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CSI Divisions 01-40 2025

Natividad Medical Center

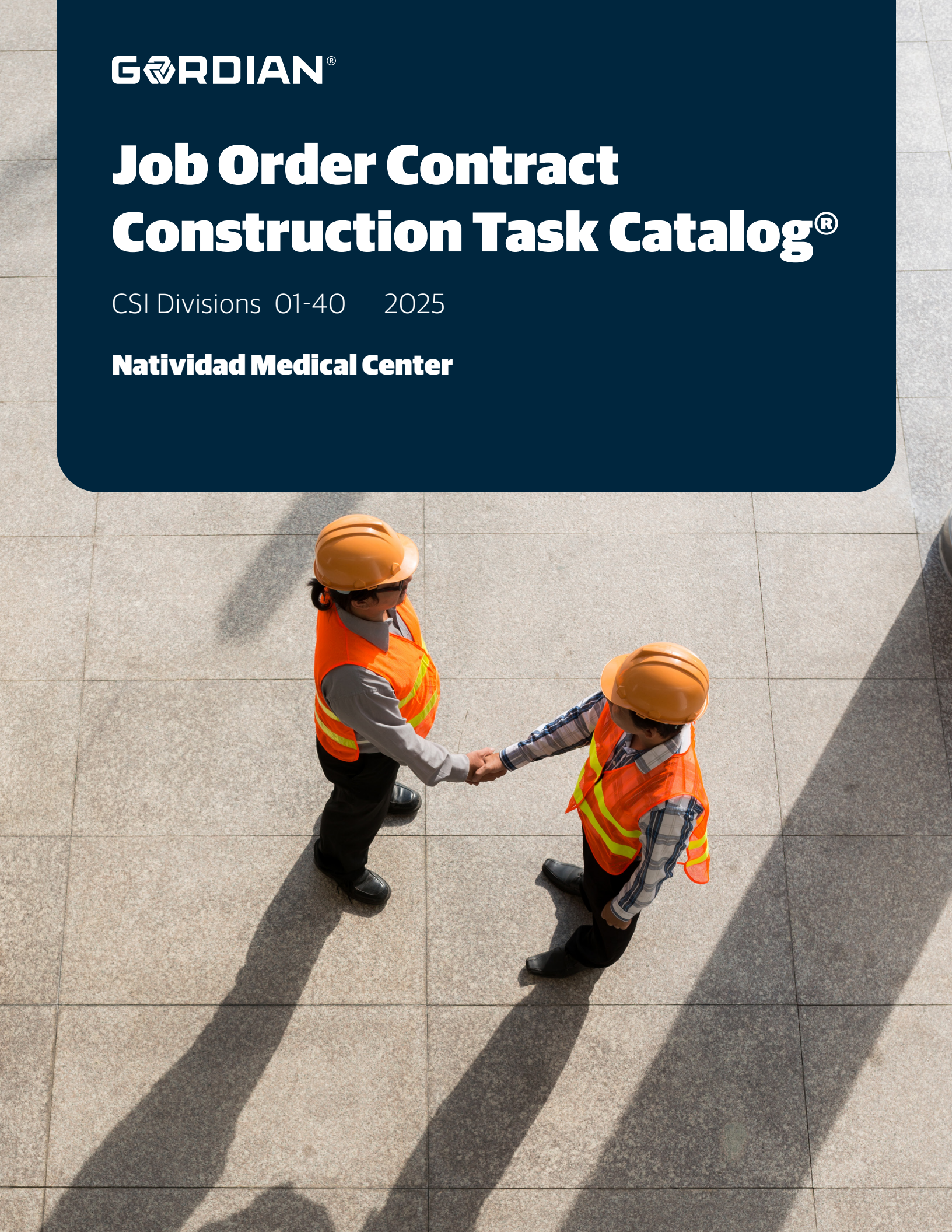

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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Natividad Medical Center**, priced locally using current labor, material and equipment costs, and published in May 2025.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Natividad Medical Center**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

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

CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

Labor Costs:

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

Equipment Costs:

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

Material Costs:

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

The Adjustment Factors Include:

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

Business Costs:

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

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

Project Related Costs:

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

Price Variations:

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

Summary:

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

Unit Price X Quantity X Adjustment Factor

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

General Rules:

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

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

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

Demolition:

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

Working Height:

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

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Field Engineering:

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

Assemblies:

☑ Assembly Tasks take precedence over individual component Tasks.

Restricted and Confined Spaces:

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

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

Or Equals:

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

Useful Information:

Unit of Measure Definitions:

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

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

Material Weights:

Earthen Material

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

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

Bulk Factors for Demolition:

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

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

Conversions:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

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1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

Standard Geometry:

Circle

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

Cylinder

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

Sphere

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

π = 3.14159

United Inch

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

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MINOR CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

01 General Requirements

01 10 Summary *(01)*

01 11 Summary Of Work *(01 10)*

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

Note: For specification publishing. Review specifications for requirements.

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

01 20 Price and Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

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

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

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

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

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

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

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

01 22 20 Wage Rates *(01 22)*

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

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental. Supervising foreman use the craft performing the operation with the supervising foreman modifier.

01 22 20 00-0002 HR Asbestos Removal Worker 96.21
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Supervising Foreman, Add *4.81*
For Apprentice, Deduct *-19.24*

01 22 20 00-0003 HR Insulator 124.88
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Supervising Foreman, Add *6.24*
For Apprentice, Deduct *-24.98*

01 22 20 00-0004 HR Boilermaker 128.50
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Supervising Foreman, Add *6.43*
For Apprentice, Deduct *-25.70*

01 22 20 00-0005 HR Brick Layer 113.33
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Supervising Foreman, Add *5.67*
For Apprentice, Deduct *-22.67*

01 22 20 00-0006 HR Carpenter 134.38
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Supervising Foreman, Add *6.72*
For Apprentice, Deduct *-26.88*

01 22 20 00-0007 HR Carpet, Linoleum 133.56
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Supervising Foreman, Add *6.68*
For Apprentice, Deduct *-26.71*

01 22 20 00-0008 HR Cement Mason 100.88
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Supervising Foreman, Add *5.04*
For Apprentice, Deduct *-20.18*

01 22 20 00-0009 HR Drywall Finisher 127.78
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Supervising Foreman, Add *6.39*
For Apprentice, Deduct *-25.56*

01 22 20 00-0010 HR Electrician, (Inside Wireman) 128.89
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Supervising Foreman, Add *6.44*
For Apprentice, Deduct *-25.78*

01 22 20 00-0011 HR Equipment Operator, Crane (Group 1-A) 135.25
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

01 22 20 00-0012 HR Equipment Operator, Crane (Group 2-A) 132.68
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Supervising Foreman, Add *6.63*

01 22 20 00-0013 HR Equipment Operator, Crane (Group 3-A) 130.15
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0014	HR	Equipment Operator, Medium (Group 3)	129.58	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.48*	
		For Apprentice, Deduct	*-25.92*	
01 22 20 00-0015	HR	Equipment Operator, Medium (Group 4)	127.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0016	HR	Equipment Operator, Medium (Group 5)	125.71	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0017	HR	Equipment Operator, Light (Group 6)	123.79	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.19*	
		For Apprentice, Deduct	*-24.76*	
01 22 20 00-0018	HR	Equipment Operator, Light (Group 7)	122.13	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0019	HR	Equipment Operator, Light (Group 8)	120.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0020	HR	Glazier	124.73	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.24*	
		For Apprentice, Deduct	*-24.95*	
01 22 20 00-0021	HR	Laborer	91.77	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022	HR	Lather	126.05	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.30*	
		For Apprentice, Deduct	*-25.21*	
01 22 20 00-0023	HR	Marble Setter	127.68	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.38*	
		For Apprentice, Deduct	*-25.54*	
01 22 20 00-0024	HR	Millwright	130.78	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.54*	
		For Apprentice, Deduct	*-26.16*	
01 22 20 00-0025	HR	Mold Removal Worker	95.85	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*4.79*	
		For Apprentice, Deduct	*-19.17*	
01 22 20 00-0026	HR	Painter,	109.82	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*5.49*	
		For Apprentice, Deduct	*-21.96*	
01 22 20 00-0027	HR	Painter, Structural Steel	114.13	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*5.71*	
		For Apprentice, Deduct	*-22.83*	
01 22 20 00-0028	HR	Paperhanger	109.82	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*5.49*	
		For Apprentice, Deduct	*-21.96*	
01 22 20 00-0029	HR	Pile Drivers	144.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*7.22*	
		For Apprentice, Deduct	*-28.86*	
01 22 20 00-0030	HR	Plasterer	121.15	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.06*	
		For Apprentice, Deduct	*-24.23*	
01 22 20 00-0031	HR	Plumber	128.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.42*	
		For Apprentice, Deduct	*-25.67*	
01 22 20 00-0032	HR	Powderman	96.23	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*4.81*	
		For Apprentice, Deduct	*-19.25*	
01 22 20 00-0033	HR	Rodman (Reinforcing)/Ornamental Steel Worker	109.97	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*5.50*	
		For Apprentice, Deduct	*-21.99*	
01 22 20 00-0034	HR	Roofer, Composite	141.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*7.07*	
		For Apprentice, Deduct	*-28.29*	
01 22 20 00-0035	HR	Roofer, Metal	150.23	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*7.51*	
		For Apprentice, Deduct	*-30.05*	
01 22 20 00-0036	HR	Roofer, Tile/Slate	137.28	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.86*	
		For Apprentice, Deduct	*-27.46*	
01 22 20 00-0037	HR	Sheet Metal Worker	137.58	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.88*	
		For Apprentice, Deduct	*-27.52*	
01 22 20 00-0038	HR	Sprinkler Installer	95.34	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*4.77*	
		For Apprentice, Deduct	*-19.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0039	HR	Steam / Pipe Fitter	128.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.42*	
		For Apprentice, Deduct	*-25.67*	
01 22 20 00-0040	HR	Stone Mason	113.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*5.67*	
		For Apprentice, Deduct	*-22.67*	
01 22 20 00-0041	HR	Iron Worker (Structural)	113.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*5.67*	
		For Apprentice, Deduct	*-22.67*	
01 22 20 00-0042	HR	Tile Layer	108.45	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*5.42*	
		For Apprentice, Deduct	*-21.69*	
01 22 20 00-0043	HR	Terrazzo Worker	120.03	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*6.00*	
		For Apprentice, Deduct	*-24.01*	
01 22 20 00-0044	HR	Truck Driver, Light (Group 1)	99.04	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*4.95*	
		For Apprentice, Deduct	*-19.81*	
01 22 20 00-0045	HR	Truck Driver, Medium (Group 2)	99.49	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0046	HR	Truck Driver, Heavy (Group 3)	99.93	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	*5.00*	
		For Apprentice, Deduct	*-19.99*	
01 22 20 00-0047	HR	Truck Driver, Heavy (Group 4)	100.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

01 22 20 00-0048 Rates For Services *(01 22 20)*

01 22 20 00-0049	HR	Watch/Guard Person, Unarmed	32.36	
01 22 20 00-0050	HR	Watch/Guard Person, Armed	45.82	
01 22 20 00-0051	HR	Senior Surveyor (Party Chief)	135.19	
01 22 20 00-0052	HR	Surveyor (Instrument person)	121.97	
01 22 20 00-0053	HR	Surveyor (Rod Person)	119.83	
01 22 20 00-0054	HR	On-Site Certified Materials Testing Technician	97.28	
01 22 20 00-0055	HR	Certified Industrial Hygienist	131.08	
01 22 20 00-0056	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera)	0.67	
		Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0057	HR	Fire Watch Laborer	91.77	
		Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		

01 22 20 00-0058 Rates For Project Management Services *(01 22 20)*

Note: Includes subcontracted rates with burden and mark-up

01 22 20 00-0059	HR	Senior Project Manager	195.84
01 22 20 00-0060	HR	Project Manager	160.00
01 22 20 00-0061	HR	Project Superintendent	129.54

01 22 20 00-0062 Rates For Architectural And Engineering Services *(01 22 20)*

Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up

01 22 20 00-0063	HR	Principal Architect	243.20
01 22 20 00-0064	HR	Senior Architect	179.20
01 22 20 00-0065	HR	Architect	140.80
01 22 20 00-0066	HR	Principal Engineer	209.92
01 22 20 00-0067	HR	Senior Engineer	174.08
01 22 20 00-0068	HR	Engineer	136.96
01 22 20 00-0069	HR	Draft Person	71.68
01 22 20 00-0070	HR	Administration	89.60

01 22 20 00-0071 Rates For Traffic Control *(01 22 20)*

01 22 20 00-0072	HR	Flagperson For Traffic Control	91.77

01 22 20 00-0073 Mobilize Equipment *(01 22 20)*

01 22 20 00-0074	HR	Escort Vehicle With Driver	103.50
01 22 20 00-0075	HR	Transport Vehicle With Driver	139.96

01 22 23 Equipment Usage *(01 22)*

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0071 for traffic control (where required), 01 71 13 00-0000

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001 Aerial Equipment *(01 22 23)*

01 22 23 00-0002 Man Lifts *(01 22 23 00-0001)*
Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform *(01 22 23 00-0003)*
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	463.48	
		For Four-Wheel Drive, Add	*104.28*	
		For Half Day Usage, Deduct	*-144.84*	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,166.18	
		For Four-Wheel Drive, Add	*262.39*	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,616.42	
		For Four-Wheel Drive, Add	*588.69*	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	680.27	
		For Four-Wheel Drive, Add	*153.06*	
		For Half Day Usage, Deduct	*-212.58*	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,622.18	
		For Four-Wheel Drive, Add	*364.99*	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,550.86	
		For Four-Wheel Drive, Add	*798.94*	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,323.16	
		For Four-Wheel Drive, Add	*297.71*	
		For Half Day Usage, Deduct	*-413.49*	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	3,206.99	
		For Four-Wheel Drive, Add	*721.57*	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	6,727.95	
		For Four-Wheel Drive, Add	*1,513.79*	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,883.83	
		For Four-Wheel Drive, Add	*423.86*	
		For Half Day Usage, Deduct	*-588.70*	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,536.13	
		For Four-Wheel Drive, Add	*1,020.63*	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	11,302.96	
		For Four-Wheel Drive, Add	*2,543.17*	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,294.98	
		For Four-Wheel Drive, Add	*516.37*	
		For Half Day Usage, Deduct	*-717.18*	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	5,853.32	
		For Four-Wheel Drive, Add	*1,317.00*	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	13,306.39	
		For Four-Wheel Drive, Add	*2,993.94*	

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

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*
Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	414.48	
		For Half Day Usage, Deduct	*-129.53*	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,039.97	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,501.95	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	527.52	
		For Half Day Usage, Deduct	*-164.85*	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,153.01	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,862.17	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	678.24	
		For Half Day Usage, Deduct	*-211.95*	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,567.49	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,504.24	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,183.15	
		For Half Day Usage, Deduct	*-369.73*	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,788.32	
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	6,780.89	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,298.48	
		For Half Day Usage, Deduct	*-718.28*	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,425.92	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	13,263.36	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*
Note: For use on paved surfaces.

01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	414.48	
		For Half Day Usage, Deduct	*-129.53*	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,039.97	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,501.95	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	414.48	
		For Half Day Usage, Deduct	*-129.53*	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,039.97	
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,501.95	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	512.45	
		For Half Day Usage, Deduct	*-160.14*	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,107.79	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform		2,750.64	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform		512.45	
		For Half Day Usage, Deduct		*-160.14*	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform		1,107.79	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform		2,750.64	

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

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

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

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift		191.65	
		For Half Day Usage, Deduct		*-59.89*	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift		383.31	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift		784.04	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift		209.08	
		For Half Day Usage, Deduct		*-65.34*	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift		418.15	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift		836.30	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift		270.06	
		For Half Day Usage, Deduct		*-84.39*	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift		540.11	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift		1,158.63	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift		348.46	
		For Half Day Usage, Deduct		*-108.89*	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift		688.21	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift		1,524.51	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift		374.59	
		For Half Day Usage, Deduct		*-117.06*	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift		731.77	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift		1,655.18	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift		487.84	
		For Half Day Usage, Deduct		*-152.45*	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift		1,210.90	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift		3,371.35	

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

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

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift		475.90	
		For Four-Wheel Drive, Add		*95.18*	
		For Half Day Usage, Deduct		*-148.72*	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift		930.64	
		For Four-Wheel Drive, Add		*186.13*	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift		2,273.73	
		For Four-Wheel Drive, Add		*454.75*	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift		486.47	
		For Four-Wheel Drive, Add		*97.29*	
		For Half Day Usage, Deduct		*-152.02*	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift		1,110.43	
		For Four-Wheel Drive, Add		*222.09*	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift		2,432.36	
		For Four-Wheel Drive, Add		*486.47*	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift		539.35	
		For Four-Wheel Drive, Add		*107.87*	
		For Half Day Usage, Deduct		*-168.55*	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift		1,237.33	
		For Four-Wheel Drive, Add		*247.47*	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift		2,749.63	
		For Four-Wheel Drive, Add		*549.93*	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift		571.08	
		For Four-Wheel Drive, Add		*114.22*	
		For Half Day Usage, Deduct		*-178.46*	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift		1,332.51	
		For Four-Wheel Drive, Add		*266.50*	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift		3,278.40	
		For Four-Wheel Drive, Add		*655.68*	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift		1,068.13	
		For Four-Wheel Drive, Add		*213.63*	
		For Half Day Usage, Deduct		*-333.79*	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift		2,347.76	
		For Four-Wheel Drive, Add		*469.55*	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift		5,774.22	
		For Four-Wheel Drive, Add		*1,154.84*	

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

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

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift		156.80	
		For Half Day Usage, Deduct		*-49.00*	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift		444.26	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift		897.23	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift		217.78	
		For Half Day Usage, Deduct		*-68.06*	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift		461.68	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift		1,567.98	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0093		DAY	36', Push-Type, Electric Single Man Personnel Lift	365.86	
			For Half Day Usage, Deduct	*-114.33*	
01 22 23 00-0094		WK	36', Push-Type, Electric Single Man Personnel Lift	888.52	
01 22 23 00-0095		MO	36', Push-Type, Electric Single Man Personnel Lift	2,595.88	
01 22 23 00-0096		DAY	40', Push-Type, Electric Single Man Personnel Lift	392.00	
			For Half Day Usage, Deduct	*-122.50*	
01 22 23 00-0097		WK	40', Push-Type, Electric Single Man Personnel Lift	975.63	
01 22 23 00-0098		MO	40', Push-Type, Electric Single Man Personnel Lift	2,935.61	
01 22 23 00-0099		DAY	15', Self-Propelled, Electric Single Man Personnel Lift	209.06	
			For Half Day Usage, Deduct	*-65.33*	
01 22 23 00-0100		WK	15', Self-Propelled, Electric Single Man Personnel Lift	418.13	
01 22 23 00-0101		MO	15', Self-Propelled, Electric Single Man Personnel Lift	836.26	
01 22 23 00-0102		DAY	20', Self-Propelled, Electric Single Man Personnel Lift	209.06	
			For Half Day Usage, Deduct	*-65.33*	
01 22 23 00-0103		WK	20', Self-Propelled, Electric Single Man Personnel Lift	418.13	
01 22 23 00-0104		MO	20', Self-Propelled, Electric Single Man Personnel Lift	869.36	

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

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

01 22 23 00-0106		DAY	29' To 33' Bucket Truck With Full-Time Operator	1,410.42	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Half Day Usage, Deduct	*-590.66*	
01 22 23 00-0107		WK	29' To 33' Bucket Truck With Full-Time Operator	5,830.21	
			For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0108		MO	29' To 33' Bucket Truck With Full-Time Operator	21,987.38	
			For Equipment Without Operator, Deduct	*-17,322.02*	
01 22 23 00-0109		DAY	38' To 41' Bucket Truck With Full-Time Operator	1,488.18	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Half Day Usage, Deduct	*-614.96*	
01 22 23 00-0110		WK	38' To 41' Bucket Truck With Full-Time Operator	6,080.14	
			For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0111		MO	38' To 41' Bucket Truck With Full-Time Operator	22,653.86	
			For Equipment Without Operator, Deduct	*-17,322.02*	
01 22 23 00-0112		DAY	45' To 48' Bucket Truck With Full-Time Operator	1,688.12	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Half Day Usage, Deduct	*-677.44*	
01 22 23 00-0113		WK	45' To 48' Bucket Truck With Full-Time Operator	6,441.15	
			For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0114		MO	45' To 48' Bucket Truck With Full-Time Operator	23,431.42	
			For Equipment Without Operator, Deduct	*-17,322.02*	
01 22 23 00-0115		DAY	62' Bucket Truck With Full-Time Operator	2,132.44	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Half Day Usage, Deduct	*-816.29*	
01 22 23 00-0116		WK	62' Bucket Truck With Full-Time Operator	7,885.19	
			For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0117		MO	62' Bucket Truck With Full-Time Operator	27,319.22	
			For Equipment Without Operator, Deduct	*-17,322.02*	
01 22 23 00-0118		DAY	85' Bucket Truck With Full-Time Operator	2,354.60	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Half Day Usage, Deduct	*-885.72*	
01 22 23 00-0119		WK	85' Bucket Truck With Full-Time Operator	8,662.75	
			For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0120		MO	85' Bucket Truck With Full-Time Operator	30,096.22	
			For Equipment Without Operator, Deduct	*-17,322.02*	
01 22 23 00-0121		Day	105' Bucket Truck With Full-Time Operator	2,465.68	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Half Day Usage, Deduct	*-920.43*	
01 22 23 00-0122		WK	105' Bucket Truck With Full-Time Operator	8,995.99	
			For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0123		MO	105' Bucket Truck With Full-Time Operator	30,362.81	
			For Equipment Without Operator, Deduct	*-17,322.02*	

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

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

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

01 22 23 00-0126		DAY	100 CFM Diesel Powered Portable Air Compressor	172.85	
			For Half Day Usage, Deduct	*-54.02*	
01 22 23 00-0127		WK	100 CFM Diesel Powered Portable Air Compressor	518.56	
01 22 23 00-0128		MO	100 CFM Diesel Powered Portable Air Compressor	1,440.44	
01 22 23 00-0129		DAY	130 CFM Diesel Powered Portable Air Compressor	207.42	
			For Half Day Usage, Deduct	*-64.82*	
01 22 23 00-0130		WK	130 CFM Diesel Powered Portable Air Compressor	610.75	
01 22 23 00-0131		MO	130 CFM Diesel Powered Portable Air Compressor	1,728.52	
01 22 23 00-0132		DAY	185 CFM Diesel Powered Portable Air Compressor	276.56	
			For Half Day Usage, Deduct	*-86.43*	
01 22 23 00-0133		WK	185 CFM Diesel Powered Portable Air Compressor	622.27	
01 22 23 00-0134		MO	185 CFM Diesel Powered Portable Air Compressor	1,371.30	
01 22 23 00-0135		DAY	375 CFM Diesel Powered Portable Air Compressor	391.80	
			For Half Day Usage, Deduct	*-122.44*	
01 22 23 00-0136		WK	375 CFM Diesel Powered Portable Air Compressor	991.02	
01 22 23 00-0137		MO	375 CFM Diesel Powered Portable Air Compressor	2,362.32	
01 22 23 00-0138		DAY	600 CFM Diesel Powered Portable Air Compressor	871.18	
			For Half Day Usage, Deduct	*-272.24*	
01 22 23 00-0139		WK	600 CFM Diesel Powered Portable Air Compressor	2,097.28	
01 22 23 00-0140		MO	600 CFM Diesel Powered Portable Air Compressor	5,227.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	1,048.64	
		For Half Day Usage, Deduct	*-327.70*	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,581.26	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	6,337.92	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	1,048.64	
		For Half Day Usage, Deduct	*-327.70*	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,581.26	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	6,337.92	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,221.49	
		For Half Day Usage, Deduct	*-381.72*	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,737.98	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	7,301.29	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,521.10	
		For Half Day Usage, Deduct	*-475.34*	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,422.48	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	9,126.61	

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

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

01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	109.47	
		For Half Day Usage, Deduct	*-34.21*	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	449.63	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,358.66	
01 22 23 00-0157	EA	Replacement Prefilter, Dual Ply Polyester Pad For Negative Air Machine	30.70	
01 22 23 00-0158	EA	First Stage Pre-Filter For Portable Negative Air Machines	13.81	
01 22 23 00-0159	EA	Second Stage Pre-Filter For Portable Negative Air Machines	28.29	
01 22 23 00-0160	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines Note: For use on monthly rental units over three months	134.97	
01 22 23 00-0161	LF	Flexible Exhaust Duct For Portable Negative Air Machines	2.48	
01 22 23 00-0162	EA	Move Negative Air Equipment And Discharge Duct	36.95	

01 22 23 00-0163 Portable Air Scrubbers *(01 22 23 00-0124)*

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

01 22 23 00-0164	DAY	Up To 1,000 CFM, Portable Air Scrubber	63.25	
		For Half Day Usage, Deduct	*-19.77*	
01 22 23 00-0165	WK	Up To 1,000 CFM, Portable Air Scrubber	262.89	
01 22 23 00-0166	MO	Up To 1,000 CFM, Portable Air Scrubber	727.71	
01 22 23 00-0167	DAY	>1,000 to 2,000 CFM, Portable Air Scrubber	80.01	
		For Half Day Usage, Deduct	*-25.00*	
01 22 23 00-0168	WK	>1,000 to 2,000 CFM, Portable Air Scrubber	331.47	
01 22 23 00-0169	MO	>1,000 to 2,000 CFM, Portable Air Scrubber	971.55	
01 22 23 00-0170	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber	102.87	
		For Half Day Usage, Deduct	*-32.15*	
01 22 23 00-0171	WK	>2,000 To 5,000 CFM, Portable Air Scrubber	438.15	
01 22 23 00-0172	MO	>2,000 To 5,000 CFM, Portable Air Scrubber	1,226.82	
01 22 23 00-0173	EA	First Stage Pre-Filter For Portable Air Scrubbers	18.38	
01 22 23 00-0174	EA	Second Stage Pre-Filter For Portable Air Scrubbers	24.48	
01 22 23 00-0175	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers	226.41	

01 22 23 00-0176 Compaction And Paving Equipment *(01 22 23)*

01 22 23 00-0177 Pavers And Rollers *(01 22 23 00-0176)*

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

01 22 23 00-0178 Pavers *(01 22 23 00-0177)*

01 22 23 00-0179	DAY	10' Wide Paving Machine With Full-Time Operator	4,592.19	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,629.43*	
01 22 23 00-0180	WK	10' Wide Paving Machine With Full-Time Operator	19,405.34	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0181	MO	10' Wide Paving Machine With Full-Time Operator	73,254.70	
		For Equipment Without Operator, Deduct	*-22,460.03*	

01 22 23 00-0182 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0177)*

01 22 23 00-0183	DAY	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,399.00	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-631.55*	
01 22 23 00-0184	WK	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,279.11	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0185	MO	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	25,435.34	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0186	DAY	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,538.86	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-675.26*	
01 22 23 00-0187	WK	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	7,319.20	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0188	MO	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	27,005.64	
		For Equipment Without Operator, Deduct	*-22,460.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0189	DAY	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,545.22	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-677.25*	
01 22 23 00-0190	WK	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	6,905.96	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0191	MO	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	27,310.80	
		For Equipment Without Operator, Deduct	*-22,460.03*	

01 22 23 00-0192 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0177)*

01 22 23 00-0193	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,456.22	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-649.44*	
01 22 23 00-0194	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,346.50	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0195	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,823.15	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0196	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,723.23	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-732.88*	
01 22 23 00-0197	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,886.89	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0198	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,526.96	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0199	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,786.80	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-752.74*	
01 22 23 00-0200	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,287.41	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0201	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	28,645.88	
		For Equipment Without Operator, Deduct	*-22,460.03*	

01 22 23 00-0202 Towed, Padfoot Rollers *(01 22 23 00-0177)*

01 22 23 00-0203	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	120.79	
		For Half Day Usage, Deduct	*-37.75*	
01 22 23 00-0204	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	349.66	
01 22 23 00-0205	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	1,029.92	
01 22 23 00-0206	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	152.58	
		For Half Day Usage, Deduct	*-47.68*	
01 22 23 00-0207	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	425.95	
01 22 23 00-0208	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	1,811.89	

01 22 23 00-0209 Static Rollers *(01 22 23 00-0177)*

01 22 23 00-0210	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,488.00	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-659.37*	
01 22 23 00-0211	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,619.88	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0212	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	26,719.55	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0213	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,627.87	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-703.08*	
01 22 23 00-0214	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	7,001.32	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0215	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	27,774.90	
		For Equipment Without Operator, Deduct	*-22,460.03*	

01 22 23 00-0216 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0177)*

01 22 23 00-0217	DAY	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,284.56	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-595.79*	
01 22 23 00-0218	WK	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,907.84	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0219	MO	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,367.28	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0220	DAY	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,379.92	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-625.59*	
01 22 23 00-0221	WK	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,193.92	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0222	MO	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,130.18	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0223	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,443.50	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-645.46*	
01 22 23 00-0224	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,384.65	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0225	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,638.78	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0226	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,526.15	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-671.29*	
01 22 23 00-0227	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,626.23	
		For Equipment Without Operator, Deduct	*-5,183.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0228	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,268.17	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0229	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,691.44	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-722.94*	
01 22 23 00-0230	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,109.40	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0231	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,546.03	
		For Equipment Without Operator, Deduct	*-22,460.03*	

01 22 23 00-0232 Steel Roadway Plates *(01 22 23 00-0176)*

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0233 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0233	EA	Placement And Removal Of Steel Roadway Plates	59.63	
01 22 23 00-0234	DAY	1" x 4' x 8' Steel Plate	44.88	
01 22 23 00-0235	WK	1" x 4' x 8' Steel Plate	105.98	
01 22 23 00-0236	MO	1" x 4' x 8' Steel Plate	139.47	
01 22 23 00-0237	DAY	1" x 4' x 10' Steel Plate	59.85	
01 22 23 00-0238	WK	1" x 4' x 10' Steel Plate	134.65	
01 22 23 00-0239	MO	1" x 4' x 10' Steel Plate	164.58	
01 22 23 00-0240	DAY	1" x 5' x 10' Steel Plate	62.34	
01 22 23 00-0241	WK	1" x 5' x 10' Steel Plate	140.89	
01 22 23 00-0242	MO	1" x 5' x 10' Steel Plate	374.04	
01 22 23 00-0243	DAY	1" x 6' x 8' Steel Plate	39.90	
01 22 23 00-0244	WK	1" x 6' x 8' Steel Plate	89.77	
01 22 23 00-0245	MO	1" x 6' x 8' Steel Plate	239.39	
01 22 23 00-0246	DAY	1" x 6' x 10' Steel Plate	74.81	
01 22 23 00-0247	WK	1" x 6' x 10' Steel Plate	98.50	
01 22 23 00-0248	MO	1" x 6' x 10' Steel Plate	263.07	
01 22 23 00-0249	DAY	1" x 6' x 12' Steel Plate	104.73	
01 22 23 00-0250	WK	1" x 6' x 12' Steel Plate	134.03	
01 22 23 00-0251	MO	1" x 6' x 12' Steel Plate	362.82	
01 22 23 00-0252	DAY	1" x 8' x 10' Steel Plate	66.08	
01 22 23 00-0253	WK	1" x 8' x 10' Steel Plate	148.37	
01 22 23 00-0254	MO	1" x 8' x 10' Steel Plate	395.24	
01 22 23 00-0255	DAY	1" x 8' x 12' Steel Plate	119.69	
01 22 23 00-0256	WK	1" x 8' x 12' Steel Plate	148.37	
01 22 23 00-0257	MO	1" x 8' x 12' Steel Plate	718.16	
01 22 23 00-0258	DAY	1" x 8' x 16' Steel Plate	159.59	
01 22 23 00-0259	WK	1" x 8' x 16' Steel Plate	359.08	
01 22 23 00-0260	MO	1" x 8' x 16' Steel Plate	957.54	
01 22 23 00-0261	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.61	1.13
01 22 23 00-0262	EA	Removal And Resetting Of Steel Roadway Plate	33.13	

01 22 23 00-0263 Street Sweepers *(01 22 23 00-0176)*

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

01 22 23 00-0264	DAY	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	1,210.65	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-564.01*	
01 22 23 00-0265	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	5,824.65	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0266	MO	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	24,567.37	
		For Equipment Without Operator, Deduct	*-21,456.52*	
01 22 23 00-0267	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	2,569.05	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-988.51*	
01 22 23 00-0268	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	11,275.21	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0269	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	44,024.31	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		For Equipment Without Operator, Deduct	*-21,456.52*	

01 22 23 00-0270 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0271 Skid-Steer Loaders *(01 22 23 00-0270)*

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

01 22 23 00-0272	DAY	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,382.98	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-617.86*	
01 22 23 00-0273	WK	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,981.66	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0274	MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	23,937.45	
		For Equipment Without Operator, Deduct	*-21,456.52*	
01 22 23 00-0275	DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,486.49	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-650.21*	
01 22 23 00-0276	WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	6,168.96	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0277	MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	24,348.20	
		For Equipment Without Operator, Deduct	*-21,456.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0278	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,516.06	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-659.45*	
01 22 23 00-0279	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	6,438.42	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0280	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	25,062.90	
		For Equipment Without Operator, Deduct	*-21,456.52*	
01 22 23 00-0281	DAY	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,631.07	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-695.39*	
01 22 23 00-0282	WK	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,816.30	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0283	MO	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	26,311.58	
		For Equipment Without Operator, Deduct	*-21,456.52*	
01 22 23 00-0284	DAY	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,828.23	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-757.00*	
01 22 23 00-0285	WK	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	7,563.87	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0286	MO	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	28,151.74	
		For Equipment Without Operator, Deduct	*-21,456.52*	
01 22 23 00-0287	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	328.60	
		For Half Day Usage, Deduct	*-102.69*	
01 22 23 00-0288	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,092.60	
01 22 23 00-0289	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,908.11	
01 22 23 00-0290	DAY	Forklift Attachment For Skid-Steer Loaders	70.65	
		For Half Day Usage, Deduct	*-22.08*	
01 22 23 00-0291	WK	Forklift Attachment For Skid-Steer Loaders	188.94	
01 22 23 00-0292	MO	Forklift Attachment For Skid-Steer Loaders	533.98	
01 22 23 00-0293	DAY	Backhoe Attachment For Skid-Steer Loaders	156.08	
		For Half Day Usage, Deduct	*-48.78*	
01 22 23 00-0294	WK	Backhoe Attachment For Skid-Steer Loaders	374.60	
01 22 23 00-0295	MO	Backhoe Attachment For Skid-Steer Loaders	931.58	
01 22 23 00-0296	DAY	Broom Attachment For Skid-Steer Loaders	154.44	
		For Half Day Usage, Deduct	*-48.26*	
01 22 23 00-0297	WK	Broom Attachment For Skid-Steer Loaders	418.96	
01 22 23 00-0298	MO	Broom Attachment For Skid-Steer Loaders	1,109.02	
01 22 23 00-0299	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	134.73	
		For Half Day Usage, Deduct	*-42.10*	
01 22 23 00-0300	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	371.32	
01 22 23 00-0301	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	1,013.73	
01 22 23 00-0302	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	37.13	
		For Half Day Usage, Deduct	*-11.60*	
01 22 23 00-0303	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	97.15	
01 22 23 00-0304	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	285.73	
01 22 23 00-0305	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	50.00	
		For Half Day Usage, Deduct	*-15.63*	
01 22 23 00-0306	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	124.29	
01 22 23 00-0307	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	371.47	
01 22 23 00-0308	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	72.85	
		For Half Day Usage, Deduct	*-22.77*	
01 22 23 00-0309	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	221.46	
01 22 23 00-0310	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	657.20	
01 22 23 00-0311	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	14.79	
		For Half Day Usage, Deduct	*-4.62*	
01 22 23 00-0312	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	34.50	
01 22 23 00-0313	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	92.01	

01 22 23 00-0314 Bulldozers *(01 22 23 00-0270)*

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

01 22 23 00-0315	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,442.65	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-645.19*	
01 22 23 00-0316	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,784.23	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0317	MO	70 HP, D3 Bulldozer With Full-Time Operator	27,209.85	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0318	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,634.18	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-705.05*	
01 22 23 00-0319	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,557.99	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0320	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	29,584.76	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0321	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,178.11	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-875.03*	
01 22 23 00-0322	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,733.71	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0323	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,096.61	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0324	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,660.75	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,025.85*	
01 22 23 00-0325	WK	200 HP, D7 Bulldozer With Full-Time Operator	11,671.95	
		For Equipment Without Operator, Deduct	*-5,183.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0326	MO	200 HP, D7 Bulldozer With Full-Time Operator	41,918.97	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0327	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,235.33	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,205.41*	
01 22 23 00-0328	WK	335 HP, D8 Bulldozer With Full-Time Operator	13,970.25	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0329	MO	335 HP, D8 Bulldozer With Full-Time Operator	48,813.87	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0330	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,557.09	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,305.96*	
01 22 23 00-0331	WK	460 HP, D9 Bulldozer With Full-Time Operator	15,249.63	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0332	MO	460 HP, D9 Bulldozer With Full-Time Operator	52,644.37	
		For Equipment Without Operator, Deduct	*-22,460.03*	

01 22 23 00-0333 Hydraulic Excavators *(01 22 23 00-0270)*

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

01 22 23 00-0334	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,398.39	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-631.36*	
01 22 23 00-0335	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	6,462.68	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0336	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	26,747.71	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0337	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,500.23	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-663.19*	
01 22 23 00-0338	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	6,911.55	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0339	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	28,543.18	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0340	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,532.38	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-673.24*	
01 22 23 00-0341	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	7,079.04	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0342	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	28,837.95	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0343	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,565.88	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-683.70*	
01 22 23 00-0344	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	7,233.13	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0345	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	29,132.73	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0346	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,592.68	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-692.08*	
01 22 23 00-0347	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,393.92	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0348	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	29,427.51	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0349	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,954.45	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-805.13*	
01 22 23 00-0350	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,834.31	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0351	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	33,413.71	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0352	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	2,008.05	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-821.88*	
01 22 23 00-0353	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	9,068.79	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0354	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	34,117.16	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0355	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,108.54	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-853.29*	
01 22 23 00-0356	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,470.76	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0357	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	35,323.07	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0358	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,222.43	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-888.88*	
01 22 23 00-0359	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	9,919.63	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0360	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	36,662.97	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0361	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,255.93	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-899.34*	
01 22 23 00-0362	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	10,053.62	
		For Equipment Without Operator, Deduct	*-5,183.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0363	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	37,064.94	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0364	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,577.50	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-999.84*	
01 22 23 00-0365	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,346.62	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0366	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	40,950.65	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0367	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,039.77	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,144.29*	
01 22 23 00-0368	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	13,182.28	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0369	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	46,444.24	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0370	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	93.79	
		For Half Day Usage, Deduct	*-29.31*	
01 22 23 00-0371	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	361.77	
01 22 23 00-0372	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,071.92	
01 22 23 00-0373	DAY	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	415.37	
		For Half Day Usage, Deduct	*-129.80*	
01 22 23 00-0374	WK	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,098.72	
01 22 23 00-0375	MO	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	3,075.07	
01 22 23 00-0376	DAY	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	643.15	
		For Half Day Usage, Deduct	*-200.98*	
01 22 23 00-0377	WK	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,641.38	
01 22 23 00-0378	MO	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	4,267.58	
01 22 23 00-0379	DAY	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	897.73	
		For Half Day Usage, Deduct	*-280.54*	
01 22 23 00-0380	WK	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	2,418.52	
01 22 23 00-0381	MO	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	6,779.89	
01 22 23 00-0382	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	187.59	
		For Half Day Usage, Deduct	*-58.62*	
01 22 23 00-0383	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	750.34	
01 22 23 00-0384	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,251.03	
01 22 23 00-0385	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	267.98	
		For Half Day Usage, Deduct	*-83.74*	
01 22 23 00-0386	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,071.92	
01 22 23 00-0387	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,215.76	
01 22 23 00-0388	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	294.78	
		For Half Day Usage, Deduct	*-92.12*	
01 22 23 00-0389	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,165.71	
01 22 23 00-0390	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,483.74	

01 22 23 00-0391 Mini-Excavators *(01 22 23 00-0270)*

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

01 22 23 00-0392	DAY	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,318.00	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-606.24*	
01 22 23 00-0393	WK	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,980.32	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0394	MO	2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator	24,215.30	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0395	DAY	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,324.70	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-608.34*	
01 22 23 00-0396	WK	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,000.42	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0397	MO	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,637.37	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0398	DAY	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,358.20	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-618.80*	
01 22 23 00-0399	WK	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,094.21	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0400	MO	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,697.66	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0401	DAY	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,371.60	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-622.99*	
01 22 23 00-0402	WK	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,141.11	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0403	MO	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,724.46	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0404	DAY	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,451.99	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-648.11*	
01 22 23 00-0405	WK	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,208.10	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0406	MO	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,501.60	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0407	DAY	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,458.69	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-650.21*	
01 22 23 00-0408	WK	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,543.08	
		For Equipment Without Operator, Deduct	*-5,183.08*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0409	MO	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,535.10	
		For Equipment Without Operator, Deduct	*-22,460.03*	

01 22 23 00-0410 Loader-Backhoes With Standard Bucket *(01 22 23 00-0270)*

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

01 22 23 00-0411	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,485.15	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-658.48*	
01 22 23 00-0412	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	6,248.34	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0413	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	24,967.00	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0414	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,533.21	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-673.49*	
01 22 23 00-0415	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,416.54	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0416	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	25,992.22	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0417	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,607.30	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-696.65*	
01 22 23 00-0418	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,600.76	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0419	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	26,520.85	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0420	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,937.69	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-799.89*	
01 22 23 00-0421	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	7,585.93	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0422	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	29,340.19	
		For Equipment Without Operator, Deduct	*-22,460.03*	

01 22 23 00-0423 Heavy-Duty Construction Loaders *(01 22 23 00-0270)*

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

01 22 23 00-0424	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,524.93	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-670.91*	
01 22 23 00-0425	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,113.79	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0426	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,244.65	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0427	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,930.61	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-797.68*	
01 22 23 00-0428	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,557.03	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0429	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,470.03	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0430	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,020.76	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-825.85*	
01 22 23 00-0431	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,797.43	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0432	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	29,071.03	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0433	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,268.67	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-903.33*	
01 22 23 00-0434	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,451.02	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0435	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	30,723.78	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0436	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,907.23	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,102.88*	
01 22 23 00-0437	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	12,650.50	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0438	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	44,847.28	
		For Equipment Without Operator, Deduct	*-22,460.03*	
01 22 23 00-0439	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,114.16	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-2,417.54*	
01 22 23 00-0440	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	24,918.21	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0441	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	76,243.60	
		For Equipment Without Operator, Deduct	*-22,460.03*	

01 22 23 00-0442 Tractors *(01 22 23 00-0270)*

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

01 22 23 00-0443	DAY	20 To 29 HP Tractor	501.41	
		For Half Day Usage, Deduct	*-156.69*	
01 22 23 00-0444	WK	20 To 29 HP Tractor	1,207.10	
01 22 23 00-0445	MO	20 To 29 HP Tractor	3,259.16	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0446	DAY	30 To 35 HP Tractor	519.54	
		For Half Day Usage, Deduct	*-162.36*	
01 22 23 00-0447	WK	30 To 35 HP Tractor	1,337.53	
01 22 23 00-0448	MO	30 To 35 HP Tractor	3,703.09	
01 22 23 00-0449	DAY	40 To 45 HP Tractor	530.59	
		For Half Day Usage, Deduct	*-165.81*	
01 22 23 00-0450	WK	40 To 45 HP Tractor	1,425.97	
01 22 23 00-0451	MO	40 To 45 HP Tractor	3,913.12	
01 22 23 00-0452	DAY	80 To 89 HP Tractor	683.14	
		For Half Day Usage, Deduct	*-213.48*	
01 22 23 00-0453	WK	80 To 89 HP Tractor	1,937.32	
01 22 23 00-0454	MO	80 To 89 HP Tractor	5,547.12	
01 22 23 00-0455	DAY	60" Rotary Mower Attachment For Tractors	214.45	
		For Half Day Usage, Deduct	*-67.02*	
01 22 23 00-0456	WK	60" Rotary Mower Attachment For Tractors	663.24	
01 22 23 00-0457	DAY	84" Rotary Mower Attachment For Tractors	234.34	
		For Half Day Usage, Deduct	*-73.23*	
01 22 23 00-0458	WK	84" Rotary Mower Attachment For Tractors	718.51	
01 22 23 00-0459	DAY	Under Deck Rotary Mower Attachment For Tractors	41.39	
		For Half Day Usage, Deduct	*-12.93*	
01 22 23 00-0460	WK	Under Deck Rotary Mower Attachment For Tractors	165.55	

01 22 23 00-0461 Shoring *(01 22 23 00-0270)*

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

01 22 23 00-0462 Aluminum Hydraulic Shoring *(01 22 23 00-0461)*

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

01 22 23 00-0463	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	116.90
01 22 23 00-0464	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	344.80
01 22 23 00-0465	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	156.82
01 22 23 00-0466	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	462.54
01 22 23 00-0467	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	290.78
01 22 23 00-0468	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	857.79
01 22 23 00-0469	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	28.87
01 22 23 00-0470	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	46.20
01 22 23 00-0471	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	76.99

01 22 23 00-0472 Trench Boxes/Trench Shields *(01 22 23 00-0270)*

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

01 22 23 00-0473	WK	4' x 6' Trench Box With Up To 48" Spreaders	260.32
01 22 23 00-0474	MO	4' x 6' Trench Box With Up To 48" Spreaders	780.97
01 22 23 00-0475	WK	6' x 6' Trench Box With Up To 48" Spreaders	293.91
01 22 23 00-0476	MO	6' x 6' Trench Box With Up To 48" Spreaders	881.74
01 22 23 00-0477	WK	8' x 6' Trench Box With Up To 48" Spreaders	310.71
01 22 23 00-0478	MO	8' x 6' Trench Box With Up To 48" Spreaders	932.12
01 22 23 00-0479	WK	4' x 8' Trench Box With Up To 48" Spreaders	285.52
01 22 23 00-0480	MO	4' x 8' Trench Box With Up To 48" Spreaders	856.54
01 22 23 00-0481	WK	6' x 8' Trench Box With Up To 48" Spreaders	335.90
01 22 23 00-0482	MO	6' x 8' Trench Box With Up To 48" Spreaders	1,007.70
01 22 23 00-0483	WK	8' x 8' Trench Box With Up To 48" Spreaders	377.89
01 22 23 00-0484	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,133.66
01 22 23 00-0485	WK	4' x 10' Trench Box With Up To 48" Spreaders	319.10
01 22 23 00-0486	MO	4' x 10' Trench Box With Up To 48" Spreaders	957.32
01 22 23 00-0487	WK	6' x 10' Trench Box With Up To 48" Spreaders	377.89
01 22 23 00-0488	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,133.66
01 22 23 00-0489	WK	8' x 10' Trench Box With Up To 48" Spreaders	461.86
01 22 23 00-0490	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,377.19
01 22 23 00-0491	WK	4' x 12' Trench Box With Up To 48" Spreaders	377.89
01 22 23 00-0492	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,133.66
01 22 23 00-0493	WK	6' x 12' Trench Box With Up To 48" Spreaders	461.86
01 22 23 00-0494	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,385.59
01 22 23 00-0495	WK	8' x 12' Trench Box With Up To 48" Spreaders	587.82
01 22 23 00-0496	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,763.48
01 22 23 00-0497	WK	4' x 14' Trench Box With Up To 48" Spreaders	419.88
01 22 23 00-0498	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,259.62
01 22 23 00-0499	WK	6' x 14' Trench Box With Up To 48" Spreaders	545.84
01 22 23 00-0500	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,637.51
01 22 23 00-0501	WK	8' x 14' Trench Box With Up To 48" Spreaders	671.80
01 22 23 00-0502	MO	8' x 14' Trench Box With Up To 48" Spreaders	2,015.40
01 22 23 00-0503	WK	4' x 16' Trench Box With Up To 48" Spreaders	461.86
01 22 23 00-0504	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,385.59
01 22 23 00-0505	WK	6' x 16' Trench Box With Up To 48" Spreaders	629.81
01 22 23 00-0506	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,889.44
01 22 23 00-0507	WK	8' x 16' Trench Box With Up To 48" Spreaders	755.78
01 22 23 00-0508	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,267.32
01 22 23 00-0509	WK	4' x 20' Trench Box With Up To 48" Spreaders	545.84
01 22 23 00-0510	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,637.51
01 22 23 00-0511	WK	6' x 20' Trench Box With Up To 48" Spreaders	755.78

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0512	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,267.32	
01 22 23 00-0513	WK	8' x 20' Trench Box With Up To 48" Spreaders	881.74	
01 22 23 00-0514	MO	8' x 20' Trench Box With Up To 48" Spreaders	2,645.21	
01 22 23 00-0515	WK	4' x 24' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0516	MO	4' x 24' Trench Box With Up To 48" Spreaders	2,267.32	
01 22 23 00-0517	WK	6' x 24' Trench Box With Up To 48" Spreaders	923.72	
01 22 23 00-0518	MO	6' x 24' Trench Box With Up To 48" Spreaders	2,771.18	
01 22 23 00-0519	WK	8' x 24' Trench Box With Up To 48" Spreaders	1,007.70	
01 22 23 00-0520	MO	8' x 24' Trench Box With Up To 48" Spreaders	3,023.10	
01 22 23 00-0521	WK	For Spreaders >48" To 84", Add	25.19	
01 22 23 00-0522	MO	For Spreaders >48" To 84", Add	75.58	
01 22 23 00-0523	WK	For Spreaders >84" To 120", Add	151.16	
01 22 23 00-0524	MO	For Spreaders >84" To 120", Add	453.46	
01 22 23 00-0525	WK	For Spreaders >120", Add	319.10	
01 22 23 00-0526	MO	For Spreaders >120", Add	957.32	
01 22 23 00-0527	WK	8' x 4' Manhole Box	396.78	
01 22 23 00-0528	MO	8' x 4' Manhole Box	1,190.35	
01 22 23 00-0529	WK	8' x 8' Manhole Box	566.83	
01 22 23 00-0530	MO	8' x 8' Manhole Box	1,700.49	

01 22 23 00-0531 Trenchers *(01 22 23 00-0270)*

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

01 22 23 00-0532	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,344.03	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-605.69*	
01 22 23 00-0533	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,156.39	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0534	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	24,772.72	
		For Equipment Without Operator, Deduct	*-21,456.52*	
01 22 23 00-0535	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,940.94	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-792.23*	
01 22 23 00-0536	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	8,168.21	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0537	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	30,299.72	
		For Equipment Without Operator, Deduct	*-21,456.52*	

01 22 23 00-0538 Heavy Equipment (Ground Protection) Mats *(01 22 23 00-0270)*

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0270 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0539	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	28.76	
		For Half Day Usage, Deduct	*-8.99*	
01 22 23 00-0540	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	68.47	
01 22 23 00-0541	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	143.78	
01 22 23 00-0542	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	30.19	
		For Half Day Usage, Deduct	*-9.43*	
01 22 23 00-0543	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	71.89	
01 22 23 00-0544	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	150.97	
01 22 23 00-0545	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	24.44	
		For Half Day Usage, Deduct	*-7.64*	
01 22 23 00-0546	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	57.51	
01 22 23 00-0547	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	122.21	
01 22 23 00-0548	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	27.32	
		For Half Day Usage, Deduct	*-8.54*	
01 22 23 00-0549	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	64.70	
01 22 23 00-0550	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	136.59	
01 22 23 00-0551	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	30.19	
		For Half Day Usage, Deduct	*-9.43*	
01 22 23 00-0552	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	71.89	
01 22 23 00-0553	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	150.97	
01 22 23 00-0554	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	33.07	
		For Half Day Usage, Deduct	*-10.33*	
01 22 23 00-0555	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	78.74	
01 22 23 00-0556	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	165.35	
01 22 23 00-0557	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	25.88	
		For Half Day Usage, Deduct	*-8.09*	
01 22 23 00-0558	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	71.89	
01 22 23 00-0559	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	129.40	
01 22 23 00-0560	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	30.19	
		For Half Day Usage, Deduct	*-9.43*	
01 22 23 00-0561	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	71.89	
01 22 23 00-0562	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	150.97	
01 22 23 00-0563	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	35.94	
		For Half Day Usage, Deduct	*-11.23*	
01 22 23 00-0564	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	79.08	
01 22 23 00-0565	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	179.72	
01 22 23 00-0566	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	38.82	
		For Half Day Usage, Deduct	*-12.13*	
01 22 23 00-0567	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	92.43	
01 22 23 00-0568	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	194.10	
01 22 23 00-0569	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	41.70	
		For Half Day Usage, Deduct	*-13.03*	
01 22 23 00-0570	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	99.28	
01 22 23 00-0571	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	208.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0572	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	43.13	
		For Half Day Usage, Deduct	*-13.48*	
01 22 23 00-0573	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	102.70	
01 22 23 00-0574	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	215.67	
01 22 23 00-0575	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.83	
		For Half Day Usage, Deduct	*-4.32*	
01 22 23 00-0576	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	34.58	
01 22 23 00-0577	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	103.74	
01 22 23 00-0578	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.53	
		For Half Day Usage, Deduct	*-5.17*	
01 22 23 00-0579	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.34	
01 22 23 00-0580	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	124.01	
01 22 23 00-0581	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.88	
		For Half Day Usage, Deduct	*-5.90*	
01 22 23 00-0582	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.21	
01 22 23 00-0583	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	141.62	
01 22 23 00-0584	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	20.13	
		For Half Day Usage, Deduct	*-6.29*	
01 22 23 00-0585	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	50.32	
01 22 23 00-0586	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	150.97	
01 22 23 00-0587	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.00	
		For Half Day Usage, Deduct	*-7.19*	
01 22 23 00-0588	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	57.51	
01 22 23 00-0589	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	172.54	
01 22 23 00-0590	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.44	
		For Half Day Usage, Deduct	*-8.26*	
01 22 23 00-0591	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	66.09	
01 22 23 00-0592	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	198.27	
01 22 23 00-0593	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	20.34	
		For Half Day Usage, Deduct	*-6.36*	
01 22 23 00-0594	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	50.85	
01 22 23 00-0595	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	152.55	
01 22 23 00-0596	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	27.54	
		For Half Day Usage, Deduct	*-8.61*	
01 22 23 00-0597	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	68.85	
01 22 23 00-0598	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	206.54	
01 22 23 00-0599	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.81	
		For Half Day Usage, Deduct	*-7.44*	
01 22 23 00-0600	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	59.52	
01 22 23 00-0601	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	178.57	
01 22 23 00-0602	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	39.71	
		For Half Day Usage, Deduct	*-12.41*	
01 22 23 00-0603	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	99.28	
01 22 23 00-0604	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	297.83	
01 22 23 00-0605	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	42.33	
		For Half Day Usage, Deduct	*-13.23*	
01 22 23 00-0606	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.82	
01 22 23 00-0607	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	317.47	

01 22 23 00-0608 Electrical Equipment *(01 22 23)*

01 22 23 00-0609 Tripod Mounted Floodlights *(01 22 23 00-0608)*

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

01 22 23 00-0610	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.05	
		For Half Day Usage, Deduct	*-20.33*	
01 22 23 00-0611	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	153.90	
01 22 23 00-0612	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	325.25	
01 22 23 00-0613	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.05	
		For Half Day Usage, Deduct	*-20.33*	
01 22 23 00-0614	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	190.39	
01 22 23 00-0615	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	563.24	
01 22 23 00-0616	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	72.98	
		For Half Day Usage, Deduct	*-22.81*	
01 22 23 00-0617	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	198.32	
01 22 23 00-0618	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	483.91	

01 22 23 00-0619 Trailer Mounted Floodlights *(01 22 23 00-0608)*

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

01 22 23 00-0620	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	182.46	
		For Half Day Usage, Deduct	*-57.02*	
01 22 23 00-0621	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	404.58	
01 22 23 00-0622	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	872.63	

01 22 23 00-0623 Generator Sets *(01 22 23 00-0608)*

01 22 23 00-0624 Portable, Gas Powered Generator Sets *(01 22 23 00-0623)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.

01 22 23 00-0625	DAY	3.6 KW Gas Powered Generator Set	51.27	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*6.41*	
		For Half Day Usage, Deduct	*-16.02*	
01 22 23 00-0626	WK	3.6 KW Gas Powered Generator Set	184.82	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*23.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0627	MO	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	512.73	
		For LP Or NG Gas, Add	*64.09*	
01 22 23 00-0628	DAY	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	72.74	
		For LP Or NG Gas, Add	*9.09*	
		For Half Day Usage, Deduct	*-22.73*	
01 22 23 00-0629	WK	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	232.52	
		For LP Or NG Gas, Add	*29.07*	
01 22 23 00-0630	MO	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	530.62	
		For LP Or NG Gas, Add	*66.33*	
01 22 23 00-0631	DAY	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	93.01	
		For LP Or NG Gas, Add	*11.63*	
		For Half Day Usage, Deduct	*-29.07*	
01 22 23 00-0632	WK	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	250.40	
		For LP Or NG Gas, Add	*31.30*	
01 22 23 00-0633	MO	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	691.59	
		For LP Or NG Gas, Add	*86.45*	
01 22 23 00-0634	DAY	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	103.74	
		For LP Or NG Gas, Add	*12.97*	
		For Half Day Usage, Deduct	*-32.42*	
01 22 23 00-0635	WK	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	280.21	
		For LP Or NG Gas, Add	*35.03*	
01 22 23 00-0636	MO	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	804.87	
		For LP Or NG Gas, Add	*100.61*	
01 22 23 00-0637	DAY	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.70 gallons per hour	189.95	
		For LP Or NG Gas, Add	*23.74*	
		For Half Day Usage, Deduct	*-59.36*	
01 22 23 00-0638	WK	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	539.61	
		For LP Or NG Gas, Add	*67.45*	
01 22 23 00-0639	MO	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	1,165.57	
		For LP Or NG Gas, Add	*145.70*	
		For >6 Months (>26 Weeks), Deduct	*-46.62*	

01 22 23 00-0640 Towable, Diesel Powered Generator Sets *(01 22 23 00-0623)*

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.

01 22 23 00-0641	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	213.44	
		For >8 To 16 Hours Usage Per Day, Add	*85.38*	
		For >16 To 24 Hours Usage Per Day, Add	*170.75*	
01 22 23 00-0642	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	558.04	
		For >40 To 80 Hours Usage Per Week, Add	*223.22*	
		For >80 Hours Usage Per Week, Add	*446.43*	
01 22 23 00-0643	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,520.31	
		For >160 To 320 Hours Usage Per Month, Add	*608.12*	
		For >320 Hours Usage Per Month, Add	*1,216.25*	
01 22 23 00-0644	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	371.13	
		For >8 To 16 Hours Usage Per Day, Add	*148.45*	
		For >16 To 24 Hours Usage Per Day, Add	*296.90*	
01 22 23 00-0645	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,101.42	
		For >40 To 80 Hours Usage Per Week, Add	*440.57*	
		For >80 Hours Usage Per Week, Add	*881.14*	
01 22 23 00-0646	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	2,274.68	
		For >160 To 320 Hours Usage Per Month, Add	*909.87*	
		For >320 Hours Usage Per Month, Add	*1,819.74*	
01 22 23 00-0647	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	407.05	
		For >8 To 16 Hours Usage Per Day, Add	*162.82*	
		For >16 To 24 Hours Usage Per Day, Add	*325.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0648	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	1,137.34	
		For >40 To 80 Hours Usage Per Week, Add	*454.94*	
		For >80 Hours Usage Per Week, Add	*909.87*	
01 22 23 00-0649	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,514.12	
		For >160 To 320 Hours Usage Per Month, Add	*1,005.65*	
		For >320 Hours Usage Per Month, Add	*2,011.30*	
01 22 23 00-0650	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	436.98	
		For >8 To 16 Hours Usage Per Day, Add	*174.79*	
		For >16 To 24 Hours Usage Per Day, Add	*349.58*	
01 22 23 00-0651	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	1,197.20	
		For >40 To 80 Hours Usage Per Week, Add	*478.88*	
		For >80 Hours Usage Per Week, Add	*957.76*	
01 22 23 00-0652	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	2,873.28	
		For >160 To 320 Hours Usage Per Month, Add	*1,149.31*	
		For >320 Hours Usage Per Month, Add	*2,298.62*	
01 22 23 00-0653	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	478.88	
		For >8 To 16 Hours Usage Per Day, Add	*191.55*	
		For >16 To 24 Hours Usage Per Day, Add	*383.10*	
01 22 23 00-0654	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	1,358.82	
		For >40 To 80 Hours Usage Per Week, Add	*543.53*	
		For >80 Hours Usage Per Week, Add	*1,087.06*	
01 22 23 00-0655	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	3,232.44	
		For >160 To 320 Hours Usage Per Month, Add	*1,292.98*	
		For >320 Hours Usage Per Month, Add	*2,585.95*	
01 22 23 00-0656	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	538.74	
		For >8 To 16 Hours Usage Per Day, Add	*215.50*	
		For >16 To 24 Hours Usage Per Day, Add	*430.99*	
01 22 23 00-0657	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	1,436.64	
		For >40 To 80 Hours Usage Per Week, Add	*574.66*	
		For >80 Hours Usage Per Week, Add	*1,149.31*	
01 22 23 00-0658	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	3,591.60	
		For >160 To 320 Hours Usage Per Month, Add	*1,436.64*	
		For >320 Hours Usage Per Month, Add	*2,873.28*	
01 22 23 00-0659	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	556.70	
		For >8 To 16 Hours Usage Per Day, Add	*222.68*	
		For >16 To 24 Hours Usage Per Day, Add	*445.36*	
01 22 23 00-0660	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,496.50	
		For >40 To 80 Hours Usage Per Week, Add	*598.60*	
		For >80 Hours Usage Per Week, Add	*1,197.20*	
01 22 23 00-0661	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	4,070.48	
		For >160 To 320 Hours Usage Per Month, Add	*1,628.19*	
		For >320 Hours Usage Per Month, Add	*3,256.38*	
01 22 23 00-0662	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	628.53	
		For >8 To 16 Hours Usage Per Day, Add	*251.41*	
		For >16 To 24 Hours Usage Per Day, Add	*502.82*	
01 22 23 00-0663	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,735.94	
		For >40 To 80 Hours Usage Per Week, Add	*694.38*	
		For >80 Hours Usage Per Week, Add	*1,388.75*	
01 22 23 00-0664	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	4,669.08	
		For >160 To 320 Hours Usage Per Month, Add	*1,867.63*	
		For >320 Hours Usage Per Month, Add	*3,735.26*	
01 22 23 00-0665	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set. Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	658.46	
		For >8 To 16 Hours Usage Per Day, Add	*263.38*	
		For >16 To 24 Hours Usage Per Day, Add	*526.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0666	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,825.73	
		For >40 To 80 Hours Usage Per Week, Add	*730.29*	
		For >80 Hours Usage Per Week, Add	*1,460.58*	
01 22 23 00-0667	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	5,147.96	
		For >160 To 320 Hours Usage Per Month, Add	*2,059.18*	
		For >320 Hours Usage Per Month, Add	*4,118.37*	
01 22 23 00-0668	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	688.39	
		For >8 To 16 Hours Usage Per Day, Add	*275.36*	
		For >16 To 24 Hours Usage Per Day, Add	*550.71*	
01 22 23 00-0669	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	1,975.38	
		For >40 To 80 Hours Usage Per Week, Add	*790.15*	
		For >80 Hours Usage Per Week, Add	*1,580.30*	
01 22 23 00-0670	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	5,387.40	
		For >160 To 320 Hours Usage Per Month, Add	*2,154.96*	
		For >320 Hours Usage Per Month, Add	*4,309.92*	
01 22 23 00-0671	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	718.32	
		For >8 To 16 Hours Usage Per Day, Add	*287.33*	
		For >16 To 24 Hours Usage Per Day, Add	*574.66*	
01 22 23 00-0672	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	2,095.10	
		For >40 To 80 Hours Usage Per Week, Add	*838.04*	
		For >80 Hours Usage Per Week, Add	*1,676.08*	
01 22 23 00-0673	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	5,626.84	
		For >160 To 320 Hours Usage Per Month, Add	*2,250.74*	
		For >320 Hours Usage Per Month, Add	*4,501.47*	
01 22 23 00-0674	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	718.32	
		For >8 To 16 Hours Usage Per Day, Add	*287.33*	
		For >16 To 24 Hours Usage Per Day, Add	*574.66*	
01 22 23 00-0675	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	2,095.10	
		For >40 To 80 Hours Usage Per Week, Add	*838.04*	
		For >80 Hours Usage Per Week, Add	*1,676.08*	
01 22 23 00-0676	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	5,626.84	
		For >160 To 320 Hours Usage Per Month, Add	*2,250.74*	
		For >320 Hours Usage Per Month, Add	*4,501.47*	
01 22 23 00-0677	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	987.69	
		For >8 To 16 Hours Usage Per Day, Add	*395.08*	
		For >16 To 24 Hours Usage Per Day, Add	*790.15*	
01 22 23 00-0678	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	2,454.26	
		For >40 To 80 Hours Usage Per Week, Add	*981.70*	
		For >80 Hours Usage Per Week, Add	*1,963.41*	
01 22 23 00-0679	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	7,183.20	
		For >160 To 320 Hours Usage Per Month, Add	*2,873.28*	
		For >320 Hours Usage Per Month, Add	*5,746.56*	
01 22 23 00-0680	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	1,047.55	
		For >8 To 16 Hours Usage Per Day, Add	*419.02*	
		For >16 To 24 Hours Usage Per Day, Add	*838.04*	
01 22 23 00-0681	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	2,514.12	
		For >40 To 80 Hours Usage Per Week, Add	*1,005.65*	
		For >80 Hours Usage Per Week, Add	*2,011.30*	
01 22 23 00-0682	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	7,422.64	
		For >160 To 320 Hours Usage Per Month, Add	*2,969.06*	
		For >320 Hours Usage Per Month, Add	*5,938.11*	
01 22 23 00-0683	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	1,107.41	
		For >8 To 16 Hours Usage Per Day, Add	*442.96*	
		For >16 To 24 Hours Usage Per Day, Add	*885.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0684	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	2,573.98	
		For >40 To 80 Hours Usage Per Week, Add	*1,029.59*	
		For >80 Hours Usage Per Week, Add	*2,059.18*	
01 22 23 00-0685	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	7,662.08	
		For >160 To 320 Hours Usage Per Month, Add	*3,064.83*	
		For >320 Hours Usage Per Month, Add	*6,129.66*	
01 22 23 00-0686	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	1,143.33	
		For >8 To 16 Hours Usage Per Day, Add	*457.33*	
		For >16 To 24 Hours Usage Per Day, Add	*914.66*	
01 22 23 00-0687	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,753.56	
		For >40 To 80 Hours Usage Per Week, Add	*1,101.42*	
		For >80 Hours Usage Per Week, Add	*2,202.85*	
01 22 23 00-0688	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	8,140.96	
		For >160 To 320 Hours Usage Per Month, Add	*3,256.38*	
		For >320 Hours Usage Per Month, Add	*6,512.77*	
01 22 23 00-0689	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	1,197.20	
		For >8 To 16 Hours Usage Per Day, Add	*478.88*	
		For >16 To 24 Hours Usage Per Day, Add	*957.76*	
01 22 23 00-0690	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	3,112.72	
		For >40 To 80 Hours Usage Per Week, Add	*1,245.09*	
		For >80 Hours Usage Per Week, Add	*2,490.18*	
01 22 23 00-0691	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	8,979.00	
		For >160 To 320 Hours Usage Per Month, Add	*3,591.60*	
		For >320 Hours Usage Per Month, Add	*7,183.20*	
01 22 23 00-0692	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	2,175.85	
		For >8 To 16 Hours Usage Per Day, Add	*870.34*	
		For >16 To 24 Hours Usage Per Day, Add	*1,740.68*	
01 22 23 00-0693	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	5,625.59	
		For >40 To 80 Hours Usage Per Week, Add	*2,250.24*	
		For >80 Hours Usage Per Week, Add	*4,500.47*	
01 22 23 00-0694	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	14,877.60	
		For >160 To 320 Hours Usage Per Month, Add	*5,951.04*	
		For >320 Hours Usage Per Month, Add	*11,902.08*	
01 22 23 00-0695	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	2,789.55	
		For >8 To 16 Hours Usage Per Day, Add	*1,115.82*	
		For >16 To 24 Hours Usage Per Day, Add	*2,231.64*	
01 22 23 00-0696	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	7,252.83	
		For >40 To 80 Hours Usage Per Week, Add	*2,901.13*	
		For >80 Hours Usage Per Week, Add	*5,802.26*	
01 22 23 00-0697	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	16,737.30	
		For >160 To 320 Hours Usage Per Month, Add	*6,694.92*	
		For >320 Hours Usage Per Month, Add	*13,389.84*	
01 22 23 00-0698	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	3,449.74	
		For >8 To 16 Hours Usage Per Day, Add	*1,379.90*	
		For >16 To 24 Hours Usage Per Day, Add	*2,759.79*	
01 22 23 00-0699	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	9,112.53	
		For >40 To 80 Hours Usage Per Week, Add	*3,645.01*	
		For >80 Hours Usage Per Week, Add	*7,290.02*	
01 22 23 00-0700	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	22,316.40	
		For >160 To 320 Hours Usage Per Month, Add	*8,926.56*	
		For >320 Hours Usage Per Month, Add	*17,853.12*	
01 22 23 00-0701	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	3,728.70	
		For >8 To 16 Hours Usage Per Day, Add	*1,491.48*	
		For >16 To 24 Hours Usage Per Day, Add	*2,982.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0702	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	8,591.81	
		For >40 To 80 Hours Usage Per Week, Add	*3,436.72*	
		For >80 Hours Usage Per Week, Add	*6,873.45*	
01 22 23 00-0703	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	25,775.44	
		For >160 To 320 Hours Usage Per Month, Add	*10,310.18*	
		For >320 Hours Usage Per Month, Add	*20,620.35*	
01 22 23 00-0704	DAY	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	4,230.82	
		For >8 To 16 Hours Usage Per Day, Add	*1,692.33*	
		For >16 To 24 Hours Usage Per Day, Add	*3,384.66*	
01 22 23 00-0705	WK	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	11,055.92	
		For >40 To 80 Hours Usage Per Week, Add	*4,422.37*	
		For >80 Hours Usage Per Week, Add	*8,844.74*	
01 22 23 00-0706	MO	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	30,285.21	
		For >160 To 320 Hours Usage Per Month, Add	*12,114.08*	
		For >320 Hours Usage Per Month, Add	*24,228.17*	
		For >6 Months (>26 Weeks), Deduct	*-1,211.41*	
01 22 23 00-0707	DAY	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	5,579.10	
		For >8 To 16 Hours Usage Per Day, Add	*2,231.64*	
		For >16 To 24 Hours Usage Per Day, Add	*4,463.28*	
01 22 23 00-0708	WK	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	16,737.30	
		For >40 To 80 Hours Usage Per Week, Add	*6,694.92*	
		For >80 Hours Usage Per Week, Add	*13,389.84*	
01 22 23 00-0709	MO	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	47,989.56	
		For >160 To 320 Hours Usage Per Month, Add	*19,195.82*	
		For >320 Hours Usage Per Month, Add	*38,391.65*	
01 22 23 00-0710	DAY	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	7,355.11	
		For >8 To 16 Hours Usage Per Day, Add	*2,942.04*	
		For >16 To 24 Hours Usage Per Day, Add	*5,884.09*	
01 22 23 00-0711	WK	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	18,392.43	
		For >40 To 80 Hours Usage Per Week, Add	*7,356.97*	
		For >80 Hours Usage Per Week, Add	*14,713.94*	
01 22 23 00-0712	MO	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	50,211.90	
		For >160 To 320 Hours Usage Per Month, Add	*20,084.76*	
		For >320 Hours Usage Per Month, Add	*40,169.52*	
		For >6 Months (>26 Weeks), Deduct	*-2,008.48*	
01 22 23 00-0713	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,009.61	
01 22 23 00-0714	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,660.07	
01 22 23 00-0715	EA	1,000 To 2,000 KW Generator Set Delivery, Set-Up, Testing And Pick-up	2,841.25	

01 22 23 00-0716 Generator Accessories *(01 22 23 00-0623)*

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

01 22 23 00-0717 Step Down Transformer *(01 22 23 00-0716)*

01 22 23 00-0718	WK	75 KVA, 480-208 Volt, Step Down Transformer	353.17	
01 22 23 00-0719	MO	75 KVA, 480-208 Volt, Step Down Transformer	987.69	
		For >6 Months (>26 Weeks), Deduct	*-39.51*	
01 22 23 00-0720	WK	150 KVA, 480-208 Volt, Step Down Transformer	566.28	
01 22 23 00-0721	MO	150 KVA, 480-208 Volt, Step Down Transformer	1,697.63	
		For >6 Months (>26 Weeks), Deduct	*-67.91*	
01 22 23 00-0722	WK	225 KVA, 480-208 Volt, Step Down Transformer	754.24	
01 22 23 00-0723	MO	225 KVA, 480-208 Volt, Step Down Transformer	2,262.71	
		For >6 Months (>26 Weeks), Deduct	*-90.51*	
01 22 23 00-0724	WK	500 KVA, 480-208 Volt, Step Down Transformer	897.90	
01 22 23 00-0725	MO	500 KVA, 480-208 Volt, Step Down Transformer	2,693.70	
		For >6 Months (>26 Weeks), Deduct	*-107.75*	
01 22 23 00-0726	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer	1,340.86	
01 22 23 00-0727	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer	4,004.63	
		For >6 Months (>26 Weeks), Deduct	*-160.19*	
01 22 23 00-0728	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer	2,178.90	
01 22 23 00-0729	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer	6,530.73	
		For >6 Months (>26 Weeks), Deduct	*-261.23*	
01 22 23 00-0730	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,514.12	
01 22 23 00-0731	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	7,542.36	
		For >6 Months (>26 Weeks), Deduct	*-301.69*	

01 22 23 00-0732 Portable Panel *(01 22 23 00-0716)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0733		WK	100 Amperes, Portable Panel	281.34	
01 22 23 00-0734		MO	100 Amperes, Portable Panel	718.32	
			For >6 Months (>26 Weeks), Deduct	*-28.73*	
01 22 23 00-0735		WK	200 Amperes, Portable Panel	336.41	
01 22 23 00-0736		MO	200 Amperes, Portable Panel	897.90	
			For >6 Months (>26 Weeks), Deduct	*-35.92*	
01 22 23 00-0737		WK	400 Amperes, Portable Panel	359.16	
01 22 23 00-0738		MO	400 Amperes, Portable Panel	1,077.48	
			For >6 Months (>26 Weeks), Deduct	*-43.10*	

01 22 23 00-0739 Portable Fusible Disconnect *(01 22 23 00-0716)*

01 22 23 00-0740		WK	100 - 200 Amperes, Portable Fusible Disconnect	125.71	
01 22 23 00-0741		MO	100 - 200 Amperes, Portable Fusible Disconnect	377.12	
			For >6 Months (>26 Weeks), Deduct	*-15.08*	
01 22 23 00-0742		WK	300 - 400 Amperes, Portable Fusible Disconnect	251.41	
01 22 23 00-0743		MO	300 - 400 Amperes, Portable Fusible Disconnect	754.24	
			For >6 Months (>26 Weeks), Deduct	*-30.17*	

01 22 23 00-0744 Portable Transfer Switch *(01 22 23 00-0716)*

01 22 23 00-0745		WK	100 Amperes, 480 Volt, Portable Transfer Switch	377.12	
01 22 23 00-0746		MO	100 Amperes, 480 Volt, Portable Transfer Switch	1,131.35	
			For >6 Months (>26 Weeks), Deduct	*-45.25*	
01 22 23 00-0747		WK	200 Amperes, 480 Volt, Portable Transfer Switch	502.82	
01 22 23 00-0748		MO	200 Amperes, 480 Volt, Portable Transfer Switch	1,508.47	
			For >6 Months (>26 Weeks), Deduct	*-60.34*	
01 22 23 00-0749		WK	400 Amperes, 480 Volt, Portable Transfer Switch	628.53	
01 22 23 00-0750		MO	400 Amperes, 480 Volt, Portable Transfer Switch	1,885.59	
			For >6 Months (>26 Weeks), Deduct	*-75.42*	

01 22 23 00-0751 Cabling For Generator Sets *(01 22 23 00-0623)*

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

01 22 23 00-0752		DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	26.34	
			For Half Day Usage, Deduct	*-8.23*	
01 22 23 00-0753		WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	46.09	
01 22 23 00-0754		MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	138.28	
01 22 23 00-0755		DAY	50', 4/0 Cable With Camlock Ends For Generator Set	13.17	
			For Half Day Usage, Deduct	*-4.12*	
01 22 23 00-0756		WK	50', 4/0 Cable With Camlock Ends For Generator Set	38.31	
01 22 23 00-0757		MO	50', 4/0 Cable With Camlock Ends For Generator Set	106.55	

01 22 23 00-0758 Resistive Load Banks For Generator Sets *(01 22 23 00-0623)*

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.

01 22 23 00-0759		DAY	100 KW A/C Resistive Load Bank	371.52	
01 22 23 00-0760		WK	100 KW A/C Resistive Load Bank	706.62	
01 22 23 00-0761		MO	100 KW A/C Resistive Load Bank	1,930.46	
01 22 23 00-0762		DAY	650 KW A/C Resistive Load Bank	691.12	
01 22 23 00-0763		WK	650 KW A/C Resistive Load Bank	1,848.23	
01 22 23 00-0764		MO	650 KW A/C Resistive Load Bank	4,712.20	

01 22 23 00-0765 Sub-Distribution Panels (Spider Box) For Generator Sets *(01 22 23 00-0623)*

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

01 22 23 00-0766		DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	64.65	
			For Half Day Usage, Deduct	*-20.20*	
01 22 23 00-0767		WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	167.61	
01 22 23 00-0768		MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	472.89	

01 22 23 00-0769 Portable Distribution Panels For Generator Sets *(01 22 23 00-0623)*

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

01 22 23 00-0770		DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	143.66	
			For Half Day Usage, Deduct	*-44.89*	
01 22 23 00-0771		WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	389.09	
01 22 23 00-0772		MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,089.45	
01 22 23 00-0773		DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	117.33	
			For Half Day Usage, Deduct	*-36.67*	
01 22 23 00-0774		WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	305.29	
01 22 23 00-0775		MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	867.97	
01 22 23 00-0776		DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	149.65	
			For Half Day Usage, Deduct	*-46.77*	
01 22 23 00-0777		WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	377.12	
01 22 23 00-0778		MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	1,023.61	

01 22 23 00-0779 Fuel Reimbursement For Generators *(01 22 23 00-0623)*

01 22 23 00-0780		EA	Fuel Reimbursement For Generators	1.00	

Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0781		**Welding Machines** *(01 22 23 00-0608)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0782		**Diesel Powered Towable Welding Machines** *(01 22 23 00-0781)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0783	DAY	250 To 299 Amperes, Diesel Powered Towable Welding Machine	138.31	
		For Half Day Usage, Deduct	*-43.22*	
01 22 23 00-0784	WK	250 To 299 Amperes, Diesel Powered Towable Welding Machine	338.10	
01 22 23 00-0785	MO	250 To 299 Amperes, Diesel Powered Towable Welding Machine	806.82	
01 22 23 00-0786	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine	184.42	
		For Half Day Usage, Deduct	*-57.63*	
01 22 23 00-0787	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine	361.15	
01 22 23 00-0788	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine	843.70	
01 22 23 00-0789	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine	192.10	
		For Half Day Usage, Deduct	*-60.03*	
01 22 23 00-0790	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine	384.20	
01 22 23 00-0791	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine	937.45	
01 22 23 00-0792		**CC/CV Inverter Welder** *(01 22 23 00-0781)* Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.		
01 22 23 00-0793	DAY	250 Amperes, CC Inverter Welder	43.03	
		For Half Day Usage, Deduct	*-13.45*	
01 22 23 00-0794	WK	250 Amperes, CC Inverter Welder	93.74	
01 22 23 00-0795	MO	250 Amperes, CC Inverter Welder	284.31	
01 22 23 00-0796	DAY	300 Amperes, CC/CV Inverter Welder	49.18	
		For Half Day Usage, Deduct	*-15.37*	
01 22 23 00-0797	WK	300 Amperes, CC/CV Inverter Welder	130.63	
01 22 23 00-0798	MO	300 Amperes, CC/CV Inverter Welder	345.78	
01 22 23 00-0799	DAY	350 Amperes, CC/CV Inverter Welder	50.71	
		For Half Day Usage, Deduct	*-15.85*	
01 22 23 00-0800	WK	350 Amperes, CC/CV Inverter Welder	133.70	
01 22 23 00-0801	MO	350 Amperes, CC/CV Inverter Welder	376.52	
01 22 23 00-0802		**MIG Welder** *(01 22 23 00-0781)* Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.		
01 22 23 00-0803	DAY	115 Volt MIG Welder	73.77	
		For Half Day Usage, Deduct	*-23.05*	
01 22 23 00-0804	WK	115 Volt MIG Welder	192.10	
01 22 23 00-0805	MO	115 Volt MIG Welder	522.51	
01 22 23 00-0806		**General Equipment** *(01 22 23)*		
01 22 23 00-0807		**Jacks And Bracing** *(01 22 23 00-0806)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0808		**Manual Hydraulic Jacks** *(01 22 23 00-0807)*		
01 22 23 00-0809	DAY	12 Ton Manual Hydraulic Bottle Jack	1.67	
		For Half Day Usage, Deduct	*-0.52*	
01 22 23 00-0810	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0811	MO	12 Ton Manual Hydraulic Bottle Jack	28.50	
01 22 23 00-0812	DAY	20 Ton Manual Hydraulic Bottle Jack	2.92	
		For Half Day Usage, Deduct	*-0.91*	
01 22 23 00-0813	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0814	MO	20 Ton Manual Hydraulic Bottle Jack	34.76	
01 22 23 00-0815	DAY	50 Ton Manual Hydraulic Bottle Jack	10.43	
		For Half Day Usage, Deduct	*-3.26*	
01 22 23 00-0816	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0817	MO	50 Ton Manual Hydraulic Bottle Jack	145.66	
01 22 23 00-0818	DAY	100 Ton Manual Hydraulic Bottle Jack	14.61	
		For Half Day Usage, Deduct	*-4.57*	
01 22 23 00-0819	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0820	MO	100 Ton Manual Hydraulic Bottle Jack	210.46	
01 22 23 00-0821		**Manual Screw Jacks** *(01 22 23 00-0807)*		
01 22 23 00-0822	DAY	10 To 20 Ton Manual Screw Jack	19.16	
		For Half Day Usage, Deduct	*-5.99*	
01 22 23 00-0823	WK	10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0824	MO	10 To 20 Ton Manual Screw Jack	152.12	
01 22 23 00-0825		**Shores/Braces** *(01 22 23 00-0807)*		
01 22 23 00-0826	MO	Up To 5' Height, Adjustable Tubular Steel Shoring	15.78	
01 22 23 00-0827	MO	Up To 10' Height, Adjustable Tubular Steel Shoring	20.28	
01 22 23 00-0828	MO	>10' To 16' Height, Adjustable Tubular Steel Shoring	27.04	
01 22 23 00-0829	MO	Up To 10' Height, Adjustable Wood Shoring	6.57	
01 22 23 00-0830	MO	>10' To 16' Height, Adjustable Wood Shoring	8.76	
01 22 23 00-0831	EA	Erect And Strip Shores To 10'	11.55	
		For >20 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-4.04*	
		For >100, Deduct	*-6.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0832	EA	Erect And Strip Shores To 13'	13.86	
		For >20 To 50, Deduct	*-2.08*	
		For >50 To 100, Deduct	*-4.85*	
		For >100, Deduct	*-7.62*	
01 22 23 00-0833	EA	Erect And Strip Shores To 16'	16.16	
		For >20 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-5.66*	
		For >100, Deduct	*-8.89*	

01 22 23 00-0834 Pressure Washers *(01 22 23 00-0806)*

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

01 22 23 00-0835	DAY	2,000 PSI Pressure Washer With Full-Time Operator	843.88	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-401.37*	
01 22 23 00-0836	WK	2,000 PSI Pressure Washer With Full-Time Operator	3,949.33	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0837	MO	2,000 PSI Pressure Washer With Full-Time Operator	16,615.81	
		For Equipment Without Operator, Deduct	*-15,906.85*	
01 22 23 00-0838	DAY	2,500 PSI Pressure Washer With Full-Time Operator	843.88	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-401.37*	
01 22 23 00-0839	WK	2,500 PSI Pressure Washer With Full-Time Operator	3,949.33	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0840	MO	2,500 PSI Pressure Washer With Full-Time Operator	16,615.81	
		For Equipment Without Operator, Deduct	*-15,906.85*	
01 22 23 00-0841	DAY	3,000 PSI Pressure Washer With Full-Time Operator	843.88	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-401.37*	
01 22 23 00-0842	WK	3,000 PSI Pressure Washer With Full-Time Operator	3,949.33	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0843	MO	3,000 PSI Pressure Washer With Full-Time Operator	16,615.81	
		For Equipment Without Operator, Deduct	*-15,906.85*	
01 22 23 00-0844	DAY	3,500 PSI Pressure Washer With Full-Time Operator	852.32	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-404.01*	
01 22 23 00-0845	WK	3,500 PSI Pressure Washer With Full-Time Operator	3,974.65	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0846	MO	3,500 PSI Pressure Washer With Full-Time Operator	16,683.33	
		For Equipment Without Operator, Deduct	*-15,906.85*	
01 22 23 00-0847	DAY	4,000 PSI Pressure Washer With Full-Time Operator	886.08	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-414.56*	
01 22 23 00-0848	WK	4,000 PSI Pressure Washer With Full-Time Operator	4,084.37	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0849	MO	4,000 PSI Pressure Washer With Full-Time Operator	17,063.13	
		For Equipment Without Operator, Deduct	*-15,906.85*	
01 22 23 00-0850	DAY	5,000 PSI Pressure Washer With Full-Time Operator	902.96	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-419.83*	
01 22 23 00-0851	WK	5,000 PSI Pressure Washer With Full-Time Operator	4,126.57	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0852	MO	5,000 PSI Pressure Washer With Full-Time Operator	17,189.73	
		For Equipment Without Operator, Deduct	*-15,906.85*	

01 22 23 00-0853 Confined Space Entry Equipment *(01 22 23 00-0806)*

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

01 22 23 00-0854	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	46.63	
		For Half Day Usage, Deduct	*-14.57*	
01 22 23 00-0855	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	139.90	
01 22 23 00-0856	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	417.47	
01 22 23 00-0857	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	66.13	
		For Half Day Usage, Deduct	*-20.67*	
01 22 23 00-0858	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	198.38	
01 22 23 00-0859	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	595.14	
01 22 23 00-0860	DAY	Confined Space Air Monitor Personnel Note: Per person day.	734.16	
		For Half Day Usage, Deduct	*-367.08*	

01 22 23 00-0861 High Volume Vacuums *(01 22 23 00-0806)*

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

01 22 23 00-0862	DAY	500 Gallon High Volume Vacuum With Full-Time Operator	1,577.22	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-678.56*	
01 22 23 00-0863	WK	500 Gallon High Volume Vacuum With Full-Time Operator	6,594.89	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0864	MO	500 Gallon High Volume Vacuum With Full-Time Operator	27,091.00	
		For >6 Months (>26 Weeks), Deduct	*-225.38*	
		For Equipment Without Operator, Deduct	*-21,456.52*	

01 22 23 00-0865 Portable Floor Drying Fans *(01 22 23 00-0806)*

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

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0866	DAY	2,250 CFM Portable Floor Drying Fan	23.87	
		For Half Day Usage, Deduct	*-7.46*	
01 22 23 00-0867	WK	2,250 CFM Portable Floor Drying Fan	110.39	
01 22 23 00-0868	MO	2,250 CFM Portable Floor Drying Fan	365.49	
		For >6 Months (>26 Weeks), Deduct	*-14.62*	

01 22 23 00-0869 Portable Dehumidifiers *(01 22 23 00-0806)*

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

01 22 23 00-0870	DAY	7.5 To 10 Gallons Per Day, Portable Dehumidifier	189.87	
		For Half Day Usage, Deduct	*-59.33*	
01 22 23 00-0871	WK	7.5 To 10 Gallons Per Day, Portable Dehumidifier	610.29	
01 22 23 00-0872	MO	7.5 To 10 Gallons Per Day, Portable Dehumidifier	1,857.99	
		For >6 Months (>26 Weeks), Deduct	*-74.32*	
01 22 23 00-0873	DAY	16 To 25 Gallons Per Day, Portable Dehumidifier	339.05	
		For Half Day Usage, Deduct	*-105.95*	
01 22 23 00-0874	WK	16 To 25 Gallons Per Day, Portable Dehumidifier	1,017.15	
01 22 23 00-0875	MO	16 To 25 Gallons Per Day, Portable Dehumidifier	2,373.35	
		For >6 Months (>26 Weeks), Deduct	*-94.93*	

01 22 23 00-0876 Portable Fume Extractors *(01 22 23 00-0806)*

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

01 22 23 00-0877	DAY	Portable Fume Extractor	29.98	
		For Half Day Usage, Deduct	*-9.37*	
01 22 23 00-0878	WK	Portable Fume Extractor	89.93	

01 22 23 00-0879 Direct Fired Space Heaters *(01 22 23 00-0806)*

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

01 22 23 00-0880	DAY	150,000 BTU/Hour Space Heater	68.00	
		For Half Day Usage, Deduct	*-21.25*	
01 22 23 00-0881	WK	150,000 BTU/Hour Space Heater	195.50	
01 22 23 00-0882	MO	150,000 BTU/Hour Space Heater	552.50	
01 22 23 00-0883	DAY	500,000 BTU/Hour Space Heater	144.50	
		For Half Day Usage, Deduct	*-45.16*	
01 22 23 00-0884	WK	500,000 BTU/Hour Space Heater	357.00	
01 22 23 00-0885	MO	500,000 BTU/Hour Space Heater	902.70	

01 22 23 00-0886 Trailer Mounted Brush Chipper *(01 22 23 00-0806)*

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

01 22 23 00-0887	DAY	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	187.47	
		For Half Day Usage, Deduct	*-58.58*	
01 22 23 00-0888	WK	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	448.30	
01 22 23 00-0889	MO	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,377.52	
01 22 23 00-0890	DAY	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	244.53	
		For Half Day Usage, Deduct	*-76.42*	
01 22 23 00-0891	WK	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	551.01	
01 22 23 00-0892	MO	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,467.18	
01 22 23 00-0893	DAY	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	456.46	
		For Half Day Usage, Deduct	*-142.64*	
01 22 23 00-0894	WK	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,027.03	
01 22 23 00-0895	MO	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	2,738.74	
01 22 23 00-0896	DAY	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	540.90	
		For Half Day Usage, Deduct	*-169.03*	
01 22 23 00-0897	WK	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,217.02	
01 22 23 00-0898	MO	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	3,245.40	

01 22 23 00-0899 Material Handling Equipment *(01 22 23)*

01 22 23 00-0900 Truck Mounted Hydraulic Cranes *(01 22 23 00-0899)*

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

01 22 23 00-0901	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,549.74	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-683.32*	
01 22 23 00-0902	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,786.51	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0903	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,450.33	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0904	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,678.99	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-723.71*	
01 22 23 00-0905	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,170.67	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0906	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,599.21	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0907	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,808.24	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-764.10*	
01 22 23 00-0908	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,554.83	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0909	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,748.09	
		For Equipment Without Operator, Deduct	*-22,998.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0910	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,980.57	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-817.95*	
01 22 23 00-0911	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,071.82	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0912	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	31,291.90	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0913	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,138.55	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-867.32*	
01 22 23 00-0914	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,141.72	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0915	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	34,498.71	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0916	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,511.93	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-984.00*	
01 22 23 00-0917	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,477.29	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0918	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	38,508.30	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0919	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,748.89	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,058.05*	
01 22 23 00-0920	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,310.23	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0921	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	41,012.86	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0922	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,935.58	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,116.39*	
01 22 23 00-0923	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,985.19	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0924	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	43,034.89	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0925	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,122.27	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,174.74*	
01 22 23 00-0926	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,660.16	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0927	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,056.92	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0928	DAY	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,244.34	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,212.88*	
01 22 23 00-0929	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,076.63	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0930	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	46,320.68	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0931	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,409.49	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,264.49*	
01 22 23 00-0932	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,694.15	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0933	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	48,158.89	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0934	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,940.85	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,430.54*	
01 22 23 00-0935	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,385.16	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0936	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	53,231.92	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0937	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,307.06	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,544.98*	
01 22 23 00-0938	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,666.88	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0939	MO	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	57,077.07	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0940	DAY	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,967.66	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,751.42*	
01 22 23 00-0941	WK	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,979.00	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0942	MO	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	64,013.44	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0943	DAY	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,427.21	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,895.03*	
01 22 23 00-0944	WK	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,587.43	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0945	MO	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	68,838.73	
		For Equipment Without Operator, Deduct	*-22,998.42*	

01 22 23 00-0946 Cable Controlled Lattice Boom, Mechanical Cranes *(01 22 23 00-0899)*

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

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0947	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,784.79	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0948	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,453.84	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0949	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	41,437.94	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0950	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,113.18	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0951	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	13,665.43	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0952	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	48,072.73	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0953	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,328.60	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0954	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	15,237.96	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0955	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	52,788.88	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0956	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,759.43	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0957	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	16,810.49	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0958	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	57,499.29	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0959	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,964.07	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0960	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	18,383.02	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0961	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	62,221.18	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0962	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,168.72	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0963	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,955.55	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0964	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	66,943.08	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0965	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,843.68	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0966	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	22,375.38	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0967	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	74,192.51	
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-0968	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	9,994.01	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0969	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	37,167.21	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0970	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	118,585.24	
		For Equipment Without Operator, Deduct	*-22,998.42*	

01 22 23 00-0971 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0899)*

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

01 22 23 00-0972	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,647.62	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-700.56*	
01 22 23 00-0973	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,560.21	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0974	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,916.12	
		For Equipment Without Operator, Deduct	*-21,456.52*	
01 22 23 00-0975	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,716.82	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-722.19*	
01 22 23 00-0976	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,715.90	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0977	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,262.08	
		For Equipment Without Operator, Deduct	*-21,456.52*	
01 22 23 00-0978	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,699.52	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-716.78*	
01 22 23 00-0979	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,793.74	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0980	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,781.02	
		For Equipment Without Operator, Deduct	*-21,456.52*	
01 22 23 00-0981	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,898.44	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-778.94*	
01 22 23 00-0982	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,312.68	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0983	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	26,991.88	
		For Equipment Without Operator, Deduct	*-21,456.52*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0984		**Straight Mast, Rough Terrain Construction Forklifts** *(01 22 23 00-0899)* Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0985	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,417.56	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*85.45*	
		For Half Day Usage, Deduct	*-628.67*	
01 22 23 00-0986	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,118.25	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*233.35*	
01 22 23 00-0987	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,126.90	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*534.08*	
01 22 23 00-0988	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,440.05	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*89.95*	
		For Half Day Usage, Deduct	*-635.70*	
01 22 23 00-0989	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,179.66	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*245.63*	
01 22 23 00-0990	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,267.44	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*562.18*	
01 22 23 00-0991	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,561.13	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*114.17*	
		For Half Day Usage, Deduct	*-673.53*	
01 22 23 00-0992	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,516.97	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*313.09*	
01 22 23 00-0993	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,045.86	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*717.87*	
01 22 23 00-0994	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,627.82	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*127.50*	
		For Half Day Usage, Deduct	*-694.38*	
01 22 23 00-0995	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,488.08	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*307.32*	
01 22 23 00-0996	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,281.63	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*765.02*	
01 22 23 00-0997		**Straight Mast, Industrial Warehouse Forklifts** *(01 22 23 00-0899)* Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0998	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,353.56	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*72.65*	
		For Half Day Usage, Deduct	*-608.67*	
01 22 23 00-0999	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,781.80	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*166.06*	
01 22 23 00-1000	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,445.79	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*397.85*	
01 22 23 00-1001	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,362.21	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*74.38*	
		For Half Day Usage, Deduct	*-611.37*	
01 22 23 00-1002	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,807.75	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*171.25*	
01 22 23 00-1003	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,506.33	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*409.96*	
01 22 23 00-1004	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,543.84	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*110.71*	
		For Half Day Usage, Deduct	*-668.13*	
01 22 23 00-1005	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,205.60	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*250.82*	
01 22 23 00-1006	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,483.67	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*605.43*	
01 22 23 00-1007	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,561.13	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*114.17*	
		For Half Day Usage, Deduct	*-673.53*	
01 22 23 00-1008	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,352.64	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*280.23*	
01 22 23 00-1009	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,002.61	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*709.22*	
01 22 23 00-1010	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,716.82	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*145.30*	
		For Half Day Usage, Deduct	*-722.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1011	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,603.46	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*330.39*	
01 22 23 00-1012	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,435.06	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*795.71*	

01 22 23 00-1013 Chain Hoists *(01 22 23 00-0899)*

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

01 22 23 00-1014	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
		For Half Day Usage, Deduct	*-3.91*	
01 22 23 00-1015	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-1016	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
01 22 23 00-1017	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
		For Half Day Usage, Deduct	*-10.96*	
01 22 23 00-1018	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-1019	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	
01 22 23 00-1020	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
		For Half Day Usage, Deduct	*-14.08*	
01 22 23 00-1021	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-1022	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
01 22 23 00-1023	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
		For Half Day Usage, Deduct	*-27.78*	
01 22 23 00-1024	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1025	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
01 22 23 00-1026	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
		For Half Day Usage, Deduct	*-28.17*	
01 22 23 00-1027	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-1028	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
01 22 23 00-1029	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
		For Half Day Usage, Deduct	*-28.95*	
01 22 23 00-1030	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1031	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	

01 22 23 00-1032 Roof Swing Hoist *(01 22 23 00-0899)*

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

01 22 23 00-1033	DAY	Up To 400 Lb., Manual Swing Roof Hoist	103.38	
		For Half Day Usage, Deduct	*-32.31*	
01 22 23 00-1034	WK	Up To 400 Lb., Manual Swing Roof Hoist	361.81	
01 22 23 00-1035	MO	Up To 400 Lb., Manual Swing Roof Hoist	1,240.50	

01 22 23 00-1036 Truck Mounted Digger Derrick *(01 22 23 00-0899)*

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

01 22 23 00-1037	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,741.29	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-743.18*	
01 22 23 00-1038	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,346.79	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-1039	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	28,436.98	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-1040	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,881.02	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-786.84*	
01 22 23 00-1041	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,765.98	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-1042	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	29,554.83	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-22,998.42*	
01 22 23 00-1043	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	2,744.48	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,056.68*	
01 22 23 00-1044	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	10,356.36	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-1045	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	36,462.50	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-22,998.42*	

01 22 23 00-1046 Pumping Equipment *(01 22 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-1047 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-1046)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1071 for larger diameter pumps.

01 22 23 00-1048	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	82.98	
		For >8 To 16 Hours Usage Per Day, Add	*33.19*	
		For >16 To 24 Hours Usage Per Day, Add	*66.38*	
01 22 23 00-1049	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	186.70	
		For >40 To 80 Hours Usage Per Week, Add	*74.68*	
		For >80 Hours Usage Per Week, Add	*149.36*	
01 22 23 00-1050	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	497.88	
		For >160 To 320 Hours Usage Per Month, Add	*199.15*	
		For >320 Hours Usage Per Month, Add	*398.30*	
		For >6 Months (>26 Weeks), Deduct	*-19.92*	
01 22 23 00-1051	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	99.58	
		For >8 To 16 Hours Usage Per Day, Add	*39.83*	
		For >16 To 24 Hours Usage Per Day, Add	*79.66*	
01 22 23 00-1052	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	224.05	
		For >40 To 80 Hours Usage Per Week, Add	*89.62*	
		For >80 Hours Usage Per Week, Add	*179.24*	
01 22 23 00-1053	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	597.46	
		For >160 To 320 Hours Usage Per Month, Add	*238.98*	
		For >320 Hours Usage Per Month, Add	*477.97*	
		For >6 Months (>26 Weeks), Deduct	*-23.90*	

01 22 23 00-1054 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-1046)*

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

01 22 23 00-1055	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	95.43	
		For >8 To 16 Hours Usage Per Day, Add	*38.17*	
		For >16 To 24 Hours Usage Per Day, Add	*76.34*	
01 22 23 00-1056	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	269.68	
		For >40 To 80 Hours Usage Per Week, Add	*107.87*	
		For >80 Hours Usage Per Week, Add	*215.74*	
01 22 23 00-1057	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	684.58	
		For >160 To 320 Hours Usage Per Month, Add	*273.83*	
		For >320 Hours Usage Per Month, Add	*547.66*	
		For >6 Months (>26 Weeks), Deduct	*-27.38*	
01 22 23 00-1058	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	116.17	
		For >8 To 16 Hours Usage Per Day, Add	*46.47*	
		For >16 To 24 Hours Usage Per Day, Add	*92.94*	
01 22 23 00-1059	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	311.18	
		For >40 To 80 Hours Usage Per Week, Add	*124.47*	
		For >80 Hours Usage Per Week, Add	*248.94*	
01 22 23 00-1060	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	881.66	
		For >160 To 320 Hours Usage Per Month, Add	*352.66*	
		For >320 Hours Usage Per Month, Add	*705.33*	
		For >6 Months (>26 Weeks), Deduct	*-35.27*	

01 22 23 00-1061 Gas Powered Portable Trash Pumps *(01 22 23 00-1046)*

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

01 22 23 00-1062	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	120.32	
		For >8 To 16 Hours Usage Per Day, Add	*48.13*	
		For >16 To 24 Hours Usage Per Day, Add	*96.26*	
01 22 23 00-1063	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	248.94	
		For >40 To 80 Hours Usage Per Week, Add	*99.58*	
		For >80 Hours Usage Per Week, Add	*199.15*	
01 22 23 00-1064	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	746.82	
		For >160 To 320 Hours Usage Per Month, Add	*298.73*	
		For >320 Hours Usage Per Month, Add	*597.46*	
		For >6 Months (>26 Weeks), Deduct	*-29.87*	
01 22 23 00-1065	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	120.32	
		For >8 To 16 Hours Usage Per Day, Add	*48.13*	
		For >16 To 24 Hours Usage Per Day, Add	*96.26*	
01 22 23 00-1066	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	321.55	
		For >40 To 80 Hours Usage Per Week, Add	*128.62*	
		For >80 Hours Usage Per Week, Add	*257.24*	
01 22 23 00-1067	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	881.66	
		For >160 To 320 Hours Usage Per Month, Add	*352.66*	
		For >320 Hours Usage Per Month, Add	*705.33*	
		For >6 Months (>26 Weeks), Deduct	*-35.27*	
01 22 23 00-1068	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	190.85	
		For >8 To 16 Hours Usage Per Day, Add	*76.34*	
		For >16 To 24 Hours Usage Per Day, Add	*152.68*	
01 22 23 00-1069	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	539.37	
		For >40 To 80 Hours Usage Per Week, Add	*215.75*	
		For >80 Hours Usage Per Week, Add	*431.50*	
01 22 23 00-1070	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,566.25	
		For >160 To 320 Hours Usage Per Month, Add	*626.50*	
		For >320 Hours Usage Per Month, Add	*1,253.00*	
		For >6 Months (>26 Weeks), Deduct	*-62.65*	

01 22 23 00-1071 Diesel Powered Portable Trash Pumps *(01 22 23 00-1046)*

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

01 22 23 00-1072	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	373.41	
		For >8 To 16 Hours Usage Per Day, Add	*149.36*	
		For >16 To 24 Hours Usage Per Day, Add	*298.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1073	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	1,016.50	
		For >40 To 80 Hours Usage Per Week, Add	*406.60*	
		For >80 Hours Usage Per Week, Add	*813.20*	
01 22 23 00-1074	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,429.06	
		For >160 To 320 Hours Usage Per Month, Add	*1,771.62*	
		For >320 Hours Usage Per Month, Add	*3,543.25*	
01 22 23 00-1075	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	570.49	
		For >8 To 16 Hours Usage Per Day, Add	*228.20*	
		For >16 To 24 Hours Usage Per Day, Add	*456.39*	
01 22 23 00-1076	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,493.64	
		For >40 To 80 Hours Usage Per Week, Add	*597.46*	
		For >80 Hours Usage Per Week, Add	*1,194.91*	
01 22 23 00-1077	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,972.67	
		For >160 To 320 Hours Usage Per Month, Add	*1,589.07*	
		For >320 Hours Usage Per Month, Add	*3,178.14*	
01 22 23 00-1078	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	775.86	
		For >8 To 16 Hours Usage Per Day, Add	*310.34*	
		For >16 To 24 Hours Usage Per Day, Add	*620.69*	
01 22 23 00-1079	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,076.57	
		For >40 To 80 Hours Usage Per Week, Add	*830.63*	
		For >80 Hours Usage Per Week, Add	*1,661.26*	
01 22 23 00-1080	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,555.51	
		For >160 To 320 Hours Usage Per Month, Add	*2,222.20*	
		For >320 Hours Usage Per Month, Add	*4,444.41*	
01 22 23 00-1081	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,004.06	
		For >8 To 16 Hours Usage Per Day, Add	*401.62*	
		For >16 To 24 Hours Usage Per Day, Add	*803.25*	
01 22 23 00-1082	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,564.08	
		For >40 To 80 Hours Usage Per Week, Add	*1,025.63*	
		For >80 Hours Usage Per Week, Add	*2,051.26*	
01 22 23 00-1083	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,530.44	
		For >160 To 320 Hours Usage Per Month, Add	*3,012.18*	
		For >320 Hours Usage Per Month, Add	*6,024.35*	

01 22 23 00-1084 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-1046)*

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

01 22 23 00-1085	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	533.15	
		For >8 To 16 Hours Usage Per Day, Add	*213.26*	
		For >16 To 24 Hours Usage Per Day, Add	*426.52*	
01 22 23 00-1086	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,213.58	
		For >40 To 80 Hours Usage Per Week, Add	*485.43*	
		For >80 Hours Usage Per Week, Add	*970.86*	
01 22 23 00-1087	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,783.89	
		For >160 To 320 Hours Usage Per Month, Add	*1,513.56*	
		For >320 Hours Usage Per Month, Add	*3,027.11*	
01 22 23 00-1088	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	653.47	
		For >8 To 16 Hours Usage Per Day, Add	*261.39*	
		For >16 To 24 Hours Usage Per Day, Add	*522.78*	
01 22 23 00-1089	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,628.48	
		For >40 To 80 Hours Usage Per Week, Add	*651.39*	
		For >80 Hours Usage Per Week, Add	*1,302.78*	
01 22 23 00-1090	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,429.06	
		For >160 To 320 Hours Usage Per Month, Add	*1,771.62*	
		For >320 Hours Usage Per Month, Add	*3,543.25*	
01 22 23 00-1091	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	788.31	
		For >8 To 16 Hours Usage Per Day, Add	*315.32*	
		For >16 To 24 Hours Usage Per Day, Add	*630.65*	
01 22 23 00-1092	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,331.74	
		For >40 To 80 Hours Usage Per Week, Add	*932.70*	
		For >80 Hours Usage Per Week, Add	*1,865.39*	
01 22 23 00-1093	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,503.56	
		For >160 To 320 Hours Usage Per Month, Add	*2,601.42*	
		For >320 Hours Usage Per Month, Add	*5,202.85*	
01 22 23 00-1094	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,186.61	
		For >8 To 16 Hours Usage Per Day, Add	*474.64*	
		For >16 To 24 Hours Usage Per Day, Add	*949.29*	
01 22 23 00-1095	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,030.84	
		For >40 To 80 Hours Usage Per Week, Add	*1,212.34*	
		For >80 Hours Usage Per Week, Add	*2,424.67*	
01 22 23 00-1096	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,899.60	
		For >160 To 320 Hours Usage Per Month, Add	*3,559.84*	
		For >320 Hours Usage Per Month, Add	*7,119.68*	

01 22 23 00-1097 3 Phase Electric Submersible Pumps *(01 22 23 00-1046)*

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

01 22 23 00-1098	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	207.45	
01 22 23 00-1099	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	518.62	
01 22 23 00-1100	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,555.88	
01 22 23 00-1101	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	273.83	
01 22 23 00-1102	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	684.58	
01 22 23 00-1103	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	2,053.76	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-1104 Suction Hose With Couplings *(01 22 23 00-1046)*

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

01 22 23 00-1105	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.43	
		For Half Day Usage, Deduct	*-2.01*	
01 22 23 00-1106	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.08	
01 22 23 00-1107	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.32	
01 22 23 00-1108	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.15	
		For Half Day Usage, Deduct	*-5.36*	
01 22 23 00-1109	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	43.96	
01 22 23 00-1110	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	134.01	
01 22 23 00-1111	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.73	
		For Half Day Usage, Deduct	*-8.04*	
01 22 23 00-1112	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.40	
01 22 23 00-1113	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	198.34	
01 22 23 00-1114	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.16	
		For Half Day Usage, Deduct	*-10.05*	
01 22 23 00-1115	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	80.41	
01 22 23 00-1116	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	235.86	
01 22 23 00-1117	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.05	
		For Half Day Usage, Deduct	*-23.45*	
01 22 23 00-1118	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	192.98	
01 22 23 00-1119	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	568.21	
01 22 23 00-1120	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	100.78	
		For Half Day Usage, Deduct	*-31.49*	
01 22 23 00-1121	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	219.78	
01 22 23 00-1122	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	659.34	

01 22 23 00-1123 Discharge Hose With Couplings *(01 22 23 00-1046)*

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

01 22 23 00-1124	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.43	
		For Half Day Usage, Deduct	*-2.01*	
01 22 23 00-1125	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.08	
01 22 23 00-1126	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.32	
01 22 23 00-1127	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.50	
		For Half Day Usage, Deduct	*-2.34*	
01 22 23 00-1128	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.23	
01 22 23 00-1129	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	56.82	
01 22 23 00-1130	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.58	
		For Half Day Usage, Deduct	*-2.68*	
01 22 23 00-1131	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.44	
01 22 23 00-1132	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.40	
01 22 23 00-1133	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.51	
		For Half Day Usage, Deduct	*-7.03*	
01 22 23 00-1134	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.89	
01 22 23 00-1135	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	166.18	
01 22 23 00-1136	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	27.87	
		For Half Day Usage, Deduct	*-8.71*	
01 22 23 00-1137	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.12	
01 22 23 00-1138	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	209.06	
01 22 23 00-1139	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.44	
		For Half Day Usage, Deduct	*-6.70*	
01 22 23 00-1140	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	53.60	
01 22 23 00-1141	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	160.82	
01 22 23 00-1142	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.68	
		For Half Day Usage, Deduct	*-17.09*	
01 22 23 00-1143	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	139.37	
01 22 23 00-1144	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	412.76	

01 22 23 00-1145 Hydraulic Submersible Pumps *(01 22 23 00-1046)*

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

01 22 23 00-1146 Hydraulic Submersible Pumps *(01 22 23 00-1145)*

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

01 22 23 00-1147	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	136.92	
		For >8 To 16 Hours Usage Per Day, Add	*54.77*	
		For >16 To 24 Hours Usage Per Day, Add	*109.54*	
01 22 23 00-1148	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	367.19	
		For >40 To 80 Hours Usage Per Week, Add	*146.88*	
		For >80 Hours Usage Per Week, Add	*293.75*	
01 22 23 00-1149	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	1,026.88	
		For >160 To 320 Hours Usage Per Month, Add	*410.75*	
		For >320 Hours Usage Per Month, Add	*821.50*	
01 22 23 00-1150	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	174.26	
		For >8 To 16 Hours Usage Per Day, Add	*69.70*	
		For >16 To 24 Hours Usage Per Day, Add	*139.41*	
01 22 23 00-1151	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	448.09	
		For >40 To 80 Hours Usage Per Week, Add	*179.24*	
		For >80 Hours Usage Per Week, Add	*358.47*	
01 22 23 00-1152	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,369.17	
		For >160 To 320 Hours Usage Per Month, Add	*547.67*	
		For >320 Hours Usage Per Month, Add	*1,095.34*	

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1153	**Hydraulic Submersible Pump Diesel Power Packs** *(01 22 23 00-1145)* Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1154	DAY 100 HP, Hydraulic Submersible Pump Diesel Power Pack	316.36	
	For >8 To 16 Hours Usage Per Day, Add	*126.54*	
	For >16 To 24 Hours Usage Per Day, Add	*253.09*	
01 22 23 00-1155	WK 100 HP, Hydraulic Submersible Pump Diesel Power Pack	943.90	
	For >40 To 80 Hours Usage Per Week, Add	*377.56*	
	For >80 Hours Usage Per Week, Add	*755.12*	
01 22 23 00-1156	MO 100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,489.40	
	For >160 To 320 Hours Usage Per Month, Add	*995.76*	
	For >320 Hours Usage Per Month, Add	*1,991.52*	
01 22 23 00-1157	**HDPE Pipe With Couplings** *(01 22 23 00-1046)* Note: Includes delivery, set-up, and removal.		
01 22 23 00-1158	DAY 4" x 50' HDPE Pipe With Couplings	18.42	
	For Half Day Usage, Deduct	*-5.76*	
01 22 23 00-1159	WK 4" x 50' HDPE Pipe With Couplings	44.21	
01 22 23 00-1160	MO 4" x 50' HDPE Pipe With Couplings	136.30	
01 22 23 00-1161	DAY 6" x 50' HDPE Pipe With Couplings	29.47	
	For Half Day Usage, Deduct	*-9.21*	
01 22 23 00-1162	WK 6" x 50' HDPE Pipe With Couplings	73.68	
01 22 23 00-1163	MO 6" x 50' HDPE Pipe With Couplings	224.71	
01 22 23 00-1164	DAY 8" x 50' HDPE Pipe With Couplings	47.89	
	For Half Day Usage, Deduct	*-14.97*	
01 22 23 00-1165	WK 8" x 50' HDPE Pipe With Couplings	125.25	
01 22 23 00-1166	MO 8" x 50' HDPE Pipe With Couplings	372.06	
01 22 23 00-1167	DAY 10" x 50' HDPE Pipe With Couplings	58.94	
	For Half Day Usage, Deduct	*-18.42*	
01 22 23 00-1168	WK 10" x 50' HDPE Pipe With Couplings	151.04	
01 22 23 00-1169	MO 10" x 50' HDPE Pipe With Couplings	460.48	
01 22 23 00-1170	DAY 12" x 20' HDPE Pipe With Couplings	44.21	
	For Half Day Usage, Deduct	*-13.82*	
01 22 23 00-1171	WK 12" x 20' HDPE Pipe With Couplings	121.57	
01 22 23 00-1172	MO 12" x 20' HDPE Pipe With Couplings	368.38	
01 22 23 00-1173	DAY 4" Elbow For HDPE Pipe, Quick Connect	44.21	
	For Half Day Usage, Deduct	*-13.82*	
01 22 23 00-1174	WK 4" Elbow For HDPE Pipe, Quick Connect	114.20	
01 22 23 00-1175	MO 4" Elbow For HDPE Pipe, Quick Connect	338.91	
01 22 23 00-1176	DAY 6" Elbow For HDPE Pipe, Quick Connect	51.57	
	For Half Day Usage, Deduct	*-16.12*	
01 22 23 00-1177	WK 6" Elbow For HDPE Pipe, Quick Connect	132.62	
01 22 23 00-1178	MO 6" Elbow For HDPE Pipe, Quick Connect	405.22	
01 22 23 00-1179	DAY 8" Elbow For HDPE Pipe, Quick Connect	58.94	
	For Half Day Usage, Deduct	*-18.42*	
01 22 23 00-1180	WK 8" Elbow For HDPE Pipe, Quick Connect	151.04	
01 22 23 00-1181	MO 8" Elbow For HDPE Pipe, Quick Connect	460.48	
01 22 23 00-1182	DAY 10" Elbow For HDPE Pipe, Quick Connect	73.68	
	For Half Day Usage, Deduct	*-23.03*	
01 22 23 00-1183	WK 10" Elbow For HDPE Pipe, Quick Connect	187.87	
01 22 23 00-1184	MO 10" Elbow For HDPE Pipe, Quick Connect	570.99	
01 22 23 00-1185	DAY 12" Elbow For HDPE Pipe, Quick Connect	73.68	
	For Half Day Usage, Deduct	*-23.03*	
01 22 23 00-1186	WK 12" Elbow For HDPE Pipe, Quick Connect	187.87	
01 22 23 00-1187	MO 12" Elbow For HDPE Pipe, Quick Connect	570.99	
01 22 23 00-1188	DAY 4" Tee For HDPE Pipe, Quick Connect	44.21	
	For Half Day Usage, Deduct	*-13.82*	
01 22 23 00-1189	WK 4" Tee For HDPE Pipe, Quick Connect	114.20	
01 22 23 00-1190	MO 4" Tee For HDPE Pipe, Quick Connect	338.91	
01 22 23 00-1191	DAY 6" Tee For HDPE Pipe, Quick Connect	58.94	
	For Half Day Usage, Deduct	*-18.42*	
01 22 23 00-1192	WK 6" Tee For HDPE Pipe, Quick Connect	151.04	
01 22 23 00-1193	MO 6" Tee For HDPE Pipe, Quick Connect	460.48	
01 22 23 00-1194	DAY 8" Tee For HDPE Pipe, Quick Connect	73.68	
	For Half Day Usage, Deduct	*-23.03*	
01 22 23 00-1195	WK 8" Tee For HDPE Pipe, Quick Connect	187.87	
01 22 23 00-1196	MO 8" Tee For HDPE Pipe, Quick Connect	570.99	
01 22 23 00-1197	DAY 10" Tee For HDPE Pipe, Quick Connect	88.41	
	For Half Day Usage, Deduct	*-27.63*	
01 22 23 00-1198	WK 10" Tee For HDPE Pipe, Quick Connect	224.71	
01 22 23 00-1199	MO 10" Tee For HDPE Pipe, Quick Connect	681.50	
01 22 23 00-1200	DAY 12" Tee For HDPE Pipe, Quick Connect	88.41	
	For Half Day Usage, Deduct	*-27.63*	
01 22 23 00-1201	WK 12" Tee For HDPE Pipe, Quick Connect	224.71	
01 22 23 00-1202	MO 12" Tee For HDPE Pipe, Quick Connect	681.50	
01 22 23 00-1203	DAY 4" Cap For HDPE Pipe, Quick Connect	7.37	
	For Half Day Usage, Deduct	*-2.30*	
01 22 23 00-1204	WK 4" Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1205	MO 4" Cap For HDPE Pipe, Quick Connect	66.31	
01 22 23 00-1206	DAY 6" Cap For HDPE Pipe, Quick Connect	7.37	
	For Half Day Usage, Deduct	*-2.30*	
01 22 23 00-1207	WK 6" Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1208	MO 6" Cap For HDPE Pipe, Quick Connect	66.31	
01 22 23 00-1209	DAY 8" Cap For HDPE Pipe, Quick Connect	7.37	
	For Half Day Usage, Deduct	*-2.30*	
01 22 23 00-1210	WK 8" Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1211	MO 8" Cap For HDPE Pipe, Quick Connect	66.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1212	DAY	10" Cap For HDPE Pipe, Quick Connect	7.37	
		For Half Day Usage, Deduct	*-2.30*	
01 22 23 00-1213	WK	10" Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1214	MO	10" Cap For HDPE Pipe, Quick Connect	66.31	
01 22 23 00-1215	DAY	12" Cap For HDPE Pipe, Quick Connect	7.37	
		For Half Day Usage, Deduct	*-2.30*	
01 22 23 00-1216	WK	12" Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1217	MO	12" Cap For HDPE Pipe, Quick Connect	66.31	
01 22 23 00-1218	DAY	4" Wye For HDPE Pipe, Quick Connect	22.10	
		For Half Day Usage, Deduct	*-6.91*	
01 22 23 00-1219	WK	4" Wye For HDPE Pipe, Quick Connect	55.26	
01 22 23 00-1220	MO	4" Wye For HDPE Pipe, Quick Connect	169.45	
01 22 23 00-1221	DAY	6" Wye For HDPE Pipe, Quick Connect	25.79	
		For Half Day Usage, Deduct	*-8.06*	
01 22 23 00-1222	WK	6" Wye For HDPE Pipe, Quick Connect	66.31	
01 22 23 00-1223	MO	6" Wye For HDPE Pipe, Quick Connect	202.61	
01 22 23 00-1224	DAY	8" Wye For HDPE Pipe, Quick Connect	44.21	
		For Half Day Usage, Deduct	*-13.82*	
01 22 23 00-1225	WK	8" Wye For HDPE Pipe, Quick Connect	114.20	
01 22 23 00-1226	MO	8" Wye For HDPE Pipe, Quick Connect	338.91	
01 22 23 00-1227	DAY	10" Wye For HDPE Pipe, Quick Connect	66.31	
		For Half Day Usage, Deduct	*-20.72*	
01 22 23 00-1228	WK	10" Wye For HDPE Pipe, Quick Connect	169.45	
01 22 23 00-1229	MO	10" Wye For HDPE Pipe, Quick Connect	515.73	
01 22 23 00-1230	DAY	12" Wye For HDPE Pipe, Quick Connect	66.31	
		For Half Day Usage, Deduct	*-20.72*	
01 22 23 00-1231	WK	12" Wye For HDPE Pipe, Quick Connect	169.45	
01 22 23 00-1232	MO	12" Wye For HDPE Pipe, Quick Connect	515.73	

01 22 23 00-1233 Temporary Building Services *(01 22 23)*

01 22 23 00-1234 Boilers *(01 22 23 00-1233)*

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

01 22 23 00-1235 Electric Boilers *(01 22 23 00-1234)*

01 22 23 00-1236	MO	40 MBH, 12 KW Electric Boiler Rental	2,871.84
01 22 23 00-1237	MO	60 MBH, 20 KW Electric Boiler Rental	3,132.95
01 22 23 00-1238	MO	95 MBH, 30 KW Electric Boiler Rental	3,263.51
01 22 23 00-1239	MO	135 MBH, 40 KW Electric Boiler Rental	3,655.06
01 22 23 00-1240	MO	165 MBH, 50 KW Electric Boiler Rental	5,090.98
01 22 23 00-1241	MO	215 MBH, 60 KW Electric Boiler Rental	5,874.23
01 22 23 00-1242	MO	365 MBH, 100 KW Electric Boiler Rental	7,701.83
01 22 23 00-1243	MO	510 MBH, 150 KW Electric Boiler Rental	9,398.85

01 22 23 00-1244 Oil/Gas Fired Boilers *(01 22 23 00-1234)*

01 22 23 00-1245	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	2,526.50
01 22 23 00-1246	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	3,284.45
01 22 23 00-1247	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	5,305.65
01 22 23 00-1248	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	7,326.85

01 22 23 00-1249 Oil Fired Boilers *(01 22 23 00-1234)*

01 22 23 00-1250	MO	250 HP Oil Fired Boiler Rental	8,065.57
01 22 23 00-1251	MO	350 HP Oil Fired Boiler Rental	10,754.10
01 22 23 00-1252	MO	500 HP Oil Fired Boiler Rental	13,442.62
01 22 23 00-1253	MO	600 HP Oil Fired Boiler Rental	14,786.89

01 22 23 00-1254 Boilers Setup *(01 22 23 00-1234)*

01 22 23 00-1255	EA	Setup Rental Boiler	8,007.46
		Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	

01 22 23 00-1256 Chillers *(01 22 23 00-1233)*

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

01 22 23 00-1257 Air-Cooled Chillers *(01 22 23 00-1256)*

01 22 23 00-1258	MO	25 Ton Air-Cooled Chiller Rental	2,542.48
		For >3 To 6 Month Rental, Deduct	*-381.37*
		For >6 Months (>26 Weeks), Deduct	*-635.62*
01 22 23 00-1259	MO	40 Ton Air-Cooled Chiller Rental	4,067.98
		For >3 To 6 Month Rental, Deduct	*-610.20*
		For >6 Months (>26 Weeks), Deduct	*-1,017.00*
01 22 23 00-1260	MO	60 Ton Air-Cooled Chiller Rental	4,975.60
		For >3 To 6 Month Rental, Deduct	*-746.34*
		For >6 Months (>26 Weeks), Deduct	*-1,243.90*
01 22 23 00-1261	MO	80 Ton Air-Cooled Chiller Rental	5,883.22
		For >3 To 6 Month Rental, Deduct	*-882.48*
		For >6 Months (>26 Weeks), Deduct	*-1,470.81*
01 22 23 00-1262	MO	100 Ton Air-Cooled Chiller Rental	6,790.84
		For >3 To 6 Month Rental, Deduct	*-1,018.63*
		For >6 Months (>26 Weeks), Deduct	*-1,697.71*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1263	MO	125 Ton Air-Cooled Chiller Rental	7,867.32	
		For >3 To 6 Month Rental, Deduct	*-1,180.10*	
		For >6 Months (>26 Weeks), Deduct	*-1,966.83*	
01 22 23 00-1264	MO	155 Ton Air-Cooled Chiller Rental	9,517.53	
		For >3 To 6 Month Rental, Deduct	*-1,427.63*	
		For >6 Months (>26 Weeks), Deduct	*-2,379.38*	
01 22 23 00-1265	MO	170 Ton Air-Cooled Chiller Rental	10,177.62	
		For >3 To 6 Month Rental, Deduct	*-1,526.64*	
		For >6 Months (>26 Weeks), Deduct	*-2,544.41*	
01 22 23 00-1266	MO	200 Ton Air-Cooled Chiller Rental	11,691.60	
		For >3 To 6 Month Rental, Deduct	*-1,753.74*	
		For >6 Months (>26 Weeks), Deduct	*-2,922.90*	
01 22 23 00-1267	MO	250 Ton Air-Cooled Chiller Rental	13,911.73	
		For >3 To 6 Month Rental, Deduct	*-2,086.76*	
		For >6 Months (>26 Weeks), Deduct	*-3,477.93*	
01 22 23 00-1268	MO	300 Ton Air-Cooled Chiller Rental	16,233.54	
		Note: Includes trailer.		
		For >3 To 6 Month Rental, Deduct	*-2,435.03*	
		For >6 Months (>26 Weeks), Deduct	*-4,058.39*	
01 22 23 00-1269	MO	400 Ton Air-Cooled Chiller Rental	21,414.46	
		Note: Includes trailer, pump and 200' of 6" hose.		
		For >3 To 6 Month Rental, Deduct	*-3,212.17*	
		For >6 Months (>26 Weeks), Deduct	*-5,353.62*	
01 22 23 00-1270	MO	500 Ton Air-Cooled Chiller Rental	26,507.11	
		Note: Includes trailer, pump and 200' of 6" hose.		
		For >3 To 6 Month Rental, Deduct	*-3,976.07*	
		For >6 Months (>26 Weeks), Deduct	*-6,626.78*	
01 22 23 00-1271	EA	Setup Air-Cooled Chiller Rental Unit	5,566.16	
		Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.		

01 22 23 00-1272 Chiller Rental Accessories *(01 22 23 00-1256)*

01 22 23 00-1273	MO	4" x 25' Flexible Water Hose For Chiller Rental	45.30	
01 22 23 00-1274	MO	6" x 25' Flexible Water Hose For Chiller Rental	56.63	

01 22 23 00-1275 Cooling Tower *(01 22 23 00-1233)*

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

01 22 23 00-1276	MO	100 Ton Cooling Tower Rental	3,688.22	
		For >3 To 6 Months Rental, Deduct	*-553.23*	
		For >6 Months (>26 Weeks), Deduct	*-922.06*	
01 22 23 00-1277	MO	200 Ton Cooling Tower Rental	6,714.00	
		For >3 To 6 Months Rental, Deduct	*-1,007.10*	
		For >6 Months (>26 Weeks), Deduct	*-1,678.50*	
01 22 23 00-1278	MO	250 Ton Cooling Tower Rental	7,603.29	
		For >3 To 6 Months Rental, Deduct	*-1,140.49*	
		For >6 Months (>26 Weeks), Deduct	*-1,900.82*	
01 22 23 00-1279	MO	300 Ton Cooling Tower Rental	8,593.92	
		For >3 To 6 Months Rental, Deduct	*-1,289.09*	
		For >6 Months (>26 Weeks), Deduct	*-2,148.48*	
01 22 23 00-1280	MO	400 Ton Cooling Tower Rental	10,742.40	
		For >3 To 6 Months Rental, Deduct	*-1,611.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,685.60*	
01 22 23 00-1281	MO	500 Ton Cooling Tower Rental	12,559.71	
		For >3 To 6 Months Rental, Deduct	*-1,883.96*	
		For >6 Months (>26 Weeks), Deduct	*-3,139.93*	
01 22 23 00-1282	MO	Setup Rental Cooling Tower	5,566.16	
		Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		

01 22 23 00-1283 Emergency Cooler/Freezer *(01 22 23 00-1233)*

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

01 22 23 00-1284	DAY	8 x 6 x 7 Emergency Cooler Rental	147.35	
		For Half Day Usage, Deduct	*-46.05*	
01 22 23 00-1285	WK	8 x 6 x 7 Emergency Cooler Rental	785.88	
01 22 23 00-1286	DAY	10 x 7 x 7 Emergency Cooler Rental	294.70	
		For Half Day Usage, Deduct	*-92.09*	
01 22 23 00-1287	WK	10 x 7 x 7 Emergency Cooler Rental	1,178.82	
01 22 23 00-1288	MO	10 x 7 x 7 Emergency Cooler Rental	2,947.05	
01 22 23 00-1289	DAY	10 x 7 x 7 Emergency Freezer Rental	343.82	
		For Half Day Usage, Deduct	*-107.44*	
01 22 23 00-1290	WK	10 x 7 x 7 Emergency Freezer Rental	1,375.29	
01 22 23 00-1291	MO	10 x 7 x 7 Emergency Freezer Rental	3,536.46	
01 22 23 00-1292	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	392.94	
		For Half Day Usage, Deduct	*-122.79*	
01 22 23 00-1293	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,571.76	
01 22 23 00-1294	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	3,929.40	

01 22 23 00-1295 Fuel Oil Tank *(01 22 23 00-1233)*

Note: Excludes delivery to job site and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.

01 22 23 00-1296	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	396.94	
01 22 23 00-1297	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	617.46	
01 22 23 00-1298	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,543.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1299	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,572.76	
01 22 23 00-1300	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,396.05	
01 22 23 00-1301	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,066.82	

01 22 23 00-1302 Portable Spot Cooling Units *(01 22 23 00-1233)*

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

01 22 23 00-1303	DAY	1 Ton Portable Spot Cooling Unit	186.19	
		For Half Day Usage, Deduct	*-58.18*	
01 22 23 00-1304	WK	1 Ton Portable Spot Cooling Unit	403.40	
01 22 23 00-1305	MO	1 Ton Portable Spot Cooling Unit	953.61	
01 22 23 00-1306	DAY	1.5 Ton Portable Spot Cooling Unit	243.47	
		For Half Day Usage, Deduct	*-76.08*	
01 22 23 00-1307	WK	1.5 Ton Portable Spot Cooling Unit	500.08	
01 22 23 00-1308	MO	1.5 Ton Portable Spot Cooling Unit	1,173.21	
01 22 23 00-1309	DAY	2 Ton Portable Spot Cooling Unit	328.21	
		For Half Day Usage, Deduct	*-102.57*	
01 22 23 00-1310	WK	2 Ton Portable Spot Cooling Unit	686.26	
01 22 23 00-1311	MO	2 Ton Portable Spot Cooling Unit	1,271.08	
01 22 23 00-1312	DAY	3 Ton Portable Spot Cooling Unit	343.73	
		For Half Day Usage, Deduct	*-107.42*	
01 22 23 00-1313	WK	3 Ton Portable Spot Cooling Unit	728.04	
01 22 23 00-1314	MO	3 Ton Portable Spot Cooling Unit	1,608.84	
01 22 23 00-1315	DAY	5 Ton Portable Spot Cooling Unit	537.08	
		For Half Day Usage, Deduct	*-167.84*	
01 22 23 00-1316	WK	5 Ton Portable Spot Cooling Unit	1,086.08	
01 22 23 00-1317	MO	5 Ton Portable Spot Cooling Unit	2,256.91	
01 22 23 00-1318	DAY	10 To 12 Ton Portable Spot Cooling Unit	701.78	
		For Half Day Usage, Deduct	*-219.31*	
01 22 23 00-1319	WK	10 To 12 Ton Portable Spot Cooling Unit	1,581.39	
01 22 23 00-1320	MO	10 To 12 Ton Portable Spot Cooling Unit	3,816.81	
01 22 23 00-1321	DAY	20 Ton Portable Spot Cooling Unit	805.61	
		For Half Day Usage, Deduct	*-251.75*	
01 22 23 00-1322	WK	20 Ton Portable Spot Cooling Unit	1,849.92	
01 22 23 00-1323	MO	20 Ton Portable Spot Cooling Unit	5,155.92	
01 22 23 00-1324	DAY	25 Ton Portable Spot Cooling Unit	1,145.76	
		For Half Day Usage, Deduct	*-358.05*	
01 22 23 00-1325	WK	25 Ton Portable Spot Cooling Unit	2,321.36	
01 22 23 00-1326	MO	25 Ton Portable Spot Cooling Unit	5,400.59	
01 22 23 00-1327	EA	Setup Rental Of Up To 5 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	265.16	
01 22 23 00-1328	EA	Setup Rental Of 10 To 15 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	610.70	
01 22 23 00-1329	EA	Setup Rental Of 20 To 25 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	886.33	

01 22 23 00-1330 Air Handling Unit (AHU) *(01 22 23 00-1233)*

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

01 22 23 00-1331 Air Handling Unit (AHU) *(01 22 23 00-1330)*

01 22 23 00-1332	MO	5,000 CFM Air Handling Unit Rental	3,154.10	
		For >6 Months (>26 Weeks), Deduct	*-126.16*	
01 22 23 00-1333	MO	10,000 CFM Air Handling Unit Rental	3,261.42	
		For >6 Months (>26 Weeks), Deduct	*-130.46*	
01 22 23 00-1334	MO	25,000 CFM Air Handling Unit Rental	5,359.59	
		For >6 Months (>26 Weeks), Deduct	*-214.38*	

01 22 23 00-1335 Air Handling Unit Setup *(01 22 23 00-1330)*

01 22 23 00-1336	EA	Setup Rental Air Handling Unit Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	1,113.40	
01 22 23 00-1337	MO	12" x 100' Flex Duct For AHU Rental Note: Includes four (4) 25' sections.	308.67	
01 22 23 00-1338	MO	20" x 100' Flex Duct For AHU Rental Note: Includes four (4) 25' sections.	373.23	

01 22 23 00-1339 Truck And Trailer Equipment *(01 22 23)*

01 22 23 00-1340 Trucks *(01 22 23 00-1339)*

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

01 22 23 00-1341 Flat Bed Trucks *(01 22 23 00-1340)*

Note: Includes hydraulic tilt bed.

01 22 23 00-1342	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,103.88	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-494.87*	
01 22 23 00-1343	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,795.41	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1344	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	19,337.64	
		For Equipment Without Operator, Deduct	*-17,322.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1345	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,235.51	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-536.00*	
01 22 23 00-1346	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,132.72	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1347	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	20,201.47	
		For Equipment Without Operator, Deduct	*-17,322.02*	
01 22 23 00-1348	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,329.96	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-565.52*	
01 22 23 00-1349	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,493.72	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1350	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	21,575.38	
		For Equipment Without Operator, Deduct	*-17,322.02*	

01 22 23 00-1351 Boom Trucks *(01 22 23 00-1340)*

01 22 23 00-1352	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	1,366.32	
		For Equipment Without Operator, Deduct	*-799.48*	
		For High Rail Equipment, Add	*198.39*	
		For Half Day Usage, Deduct	*-576.88*	
01 22 23 00-1353	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	5,473.31	
		For Equipment Without Operator, Deduct	*-3,997.39*	
		For High Rail Equipment, Add	*516.57*	
01 22 23 00-1354	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	21,065.30	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For High Rail Equipment, Add	*1,310.15*	

01 22 23 00-1355 Light Off-Road Utility Passenger Vehicles *(01 22 23 00-1340)*

01 22 23 00-1356	DAY	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	309.84	
		For Half Day Usage, Deduct	*-96.83*	
01 22 23 00-1357	WK	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	716.50	
01 22 23 00-1358	MO	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	1,549.20	
01 22 23 00-1359	DAY	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	319.52	
		For Half Day Usage, Deduct	*-99.85*	
01 22 23 00-1360	WK	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	745.55	
01 22 23 00-1361	MO	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	1,646.02	

01 22 23 00-1362 Light And Heavy Duty Trucks *(01 22 23 00-1340)*

01 22 23 00-1363	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	1,050.74	
		For Equipment Without Operator, Deduct	*-792.29*	
		For Half Day Usage, Deduct	*-476.91*	
01 22 23 00-1364	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	4,809.48	
		For Equipment Without Operator, Deduct	*-3,961.45*	
01 22 23 00-1365	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	18,943.11	
		For Equipment Without Operator, Deduct	*-17,166.28*	
01 22 23 00-1366	DAY	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	1,099.20	
		For Equipment Without Operator, Deduct	*-792.29*	
		For Half Day Usage, Deduct	*-492.05*	
01 22 23 00-1367	WK	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	4,954.86	
		For Equipment Without Operator, Deduct	*-3,961.45*	
01 22 23 00-1368	MO	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	19,266.17	
		For Equipment Without Operator, Deduct	*-17,166.28*	

01 22 23 00-1369 Rear Dump Trucks *(01 22 23 00-1340)*

01 22 23 00-1370	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,175.76	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-517.33*	
01 22 23 00-1371	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	4,991.26	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1372	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	20,364.98	
		For Equipment Without Operator, Deduct	*-17,322.02*	
01 22 23 00-1373	DAY	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,300.50	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-556.31*	
01 22 23 00-1374	WK	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	5,377.77	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1375	MO	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	20,900.77	
		For Equipment Without Operator, Deduct	*-17,322.02*	
01 22 23 00-1376	DAY	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,372.08	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-578.68*	
01 22 23 00-1377	WK	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	5,531.14	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1378	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	21,003.02	
		For Equipment Without Operator, Deduct	*-17,322.02*	
01 22 23 00-1379	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	2,220.76	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-843.89*	
01 22 23 00-1380	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	7,279.61	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1381	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	25,911.02	
		For Equipment Without Operator, Deduct	*-17,322.02*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1382		DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,362.88	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Half Day Usage, Deduct	*-888.30*	
01 22 23 00-1383		WK	18 CY Rear Dump Truck With Full-Time Truck Driver	7,607.84	
			For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1384		MO	18 CY Rear Dump Truck With Full-Time Truck Driver	26,769.92	
			For Equipment Without Operator, Deduct	*-17,322.02*	

01 22 23 00-1385 Vacuum Trucks *(01 22 23 00-1340)*

01 22 23 00-1386		DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,210.53	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Half Day Usage, Deduct	*-840.69*	
01 22 23 00-1387		WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	8,246.90	
			For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1388		MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	29,861.96	
			For Equipment Without Operator, Deduct	*-17,322.02*	

01 22 23 00-1389 Water Trucks *(01 22 23 00-1340)*

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1123 for additional discharge hose, 01 22 23 00-1410 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.

01 22 23 00-1390		DAY	2,000 Gallon Water Truck With Full-Time Driver	1,439.74	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
			For Half Day Usage, Deduct	*-599.82*	
01 22 23 00-1391		WK	2,000 Gallon Water Truck With Full-Time Driver	5,683.41	
			For Equipment Without Operator, Deduct	*-3,997.39*	
			For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1392		MO	2,000 Gallon Water Truck With Full-Time Driver	21,305.86	
			For Equipment Without Operator, Deduct	*-17,322.02*	
			For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1393		DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	1,752.76	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
			For Half Day Usage, Deduct	*-697.64*	
01 22 23 00-1394		WK	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	6,622.46	
			For Equipment Without Operator, Deduct	*-3,997.39*	
			For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1395		MO	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	23,724.62	
			For Equipment Without Operator, Deduct	*-17,322.02*	
			For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	

01 22 23 00-1396 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1340)*

01 22 23 00-1397		DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,537.70	
			For Equipment Without Operator, Deduct	*-792.29*	
			For Half Day Usage, Deduct	*-629.09*	
01 22 23 00-1398		WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	6,161.37	
			For Equipment Without Operator, Deduct	*-3,961.45*	
01 22 23 00-1399		MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	22,508.71	
			For Equipment Without Operator, Deduct	*-17,166.28*	

01 22 23 00-1400 Straight/Box Trucks *(01 22 23 00-1340)*

01 22 23 00-1401		DAY	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	929.47	
			For Equipment Without Operator, Deduct	*-799.48*	
			For Half Day Usage, Deduct	*-440.36*	
01 22 23 00-1402		WK	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	4,647.32	
			For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1403		MO	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	19,240.56	
			For Equipment Without Operator, Deduct	*-17,322.02*	

01 22 23 00-1404 Truck Mounted Accessories *(01 22 23 00-1339)*

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

01 22 23 00-1405 Truck Mounted Arrow Boards *(01 22 23 00-1404)*

01 22 23 00-1406		DAY	Truck Mounted Arrow Board	48.88	
			For Half Day Usage, Deduct	*-15.28*	
01 22 23 00-1407		WK	Truck Mounted Arrow Board	194.39	
01 22 23 00-1408		MO	Truck Mounted Arrow Board	693.14	

01 22 23 00-1409 Trailers *(01 22 23 00-1339)*

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

01 22 23 00-1410 Water Trailers With Pump *(01 22 23 00-1409)*

01 22 23 00-1411		DAY	500 To 600 Gallon Water Trailer With Pump	163.62	
			For Half Day Usage, Deduct	*-51.13*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1412	WK	500 To 600 Gallon Water Trailer With Pump	419.73	
01 22 23 00-1413	MO	500 To 600 Gallon Water Trailer With Pump	1,124.01	

01 30 Administrative Requirements *(01)*

01 35 Special Procedures *(01 30)*

01 35 13 Special Project Procedures *(01 35)*

01 35 13 19 Special Project Procedures for Healthcare Facilities *(01 35 13)*

Note: For specification publishing. Review specifications for requirements.

01 35 13 19-0001	NTE	Special Project Procedures for Healthcare Facilities Note: For specification publishing. Review specifications for requirements.	0.00

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

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

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

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0048 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0015 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.70
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.40

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

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

01 35 33 00-0001 Infection Control Consumable Materials *(01 35 33)*

01 35 33 00-0002	EA	N95 Rated Masks	4.34
01 35 33 00-0003	Pair	Black Nitrite Disposable Gloves	0.21
01 35 33 00-0004	EA	Disposable 3-Ply Face Masks (Blue)	0.65
01 35 33 00-0005	WK	Portable Hand Washing Station With 2 x Weekly Service	284.45

01 35 33 00-0006 Infection Control Procedures *(01 35 33)*

Note: Contractors entering and working on job sites may be required to take precautions to prevent the spread of infectious diseases. Those precautions will reduce the amount of productive time during a normal workday. The recommended allowances in this section are intended to provide for the loss of productive time by increasing labor costs. The estimator should be aware that one, many or none of these precautions apply to the line items in an estimate. Job site requirements and sound judgement must be applied. Labor Cost implications are based upon: Temperature checks - Once per day; Donning / Doffing Masks and Gloves - Four times per day (2 times each); Washing hands (additional over normal) - Eight times per day; Informational meetings - Once per day; Maintaining social distance - Throughout the day; Disinfecting tools or equipment - Throughout the day

01 35 33 00-0007	NTE	Infection Control Procedures Note: For specification publishing. Review specifications for requirements.	0.00

01 35 33 00-0008 Infection Prevention Inspection Reports *(01 35 33)*

01 35 33 00-0009	HR	Infection Prevention Inspection Reports	105.00

01 40 Quality Requirements *(01)*

01 41 Regulatory Requirements *(01 40)*

01 41 26 Permit Requirements *(01 41)*

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

01 42 References *(01 40)*

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

Note: For specification publishing. Review specifications for requirements.

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

01 42 16 Definitions *(01 42)*

Note: For specification publishing. Review specifications for requirements.

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

01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

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

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

Note: For specification publishing. Review specifications for requirements.

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

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 45 Quality Control *(01 40)*

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

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

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

01 45 23 00-0001 Concrete/Cement/Asphalt Testing *(01 45 23)*

01 45 23 00-0002 Concrete Testing *(01 45 23 00-0001)*

01 45 23 00-0003	EA	Concrete Cores Compression Test, ASTM C-42	148.40
01 45 23 00-0004	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	26.41
01 45 23 00-0005	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	72.55
01 45 23 00-0006	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	216.88
01 45 23 00-0007	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	79.90
01 45 23 00-0008	EA	Concrete Mix Design Review	433.77
01 45 23 00-0009	EA	Trial Concrete Batch Prepared In Laboratory	1,027.35
01 45 23 00-0010	EA	Concrete Shrinkage, ASTM C-157 Modified	799.05
01 45 23 00-0011	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	123.28
01 45 23 00-0012	EA	Concrete Slump Test, ASTM C143	57.08
01 45 23 00-0013	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	57.08

01 45 23 00-0014 Cement Testing *(01 45 23 00-0001)*

01 45 23 00-0015	EA	Cement Grab Sample (CCR Title 24) Note: Includes sealing and storing 1 year.	57.08
01 45 23 00-0016	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	91.32

01 45 23 00-0017 Asphaltic Concrete Testing *(01 45 23 00-0001)*

01 45 23 00-0018	EA	Hveem Asphaltic Concrete Stability Test, CA 366	114.15
01 45 23 00-0019	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	296.79
01 45 23 00-0020	EA	Stability Tests, Premixed, ASTM D1559	114.15
01 45 23 00-0021	EA	Stability Tests, Lab. Mixed, ASTM D1559	296.79
01 45 23 00-0022	EA	Swell Test, CA 305 Note: Includes compaction.	136.98
01 45 23 00-0023	EA	% Asphalt Extraction Test, ASTM D-2172 B	342.45
01 45 23 00-0024	EA	Maximum Theoretical Unit Weight, ASTM C2041	217.65
01 45 23 00-0025	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	45.66
01 45 23 00-0026	EA	Asphalt Unit Weight On Core Test, CA 308C	45.66
01 45 23 00-0027	HR	Nuclear Field Density Testing, 4 Hour Minimum	235.15
01 45 23 00-0028	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	117.30
01 45 23 00-0029	EA	Penetration, ASTM D5	164.90

01 45 23 00-0030 Metals Testing *(01 45 23)*

01 45 23 00-0031 Tank Tightness Testing *(01 45 23 00-0030)*

01 45 23 00-0032	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	9.09
01 45 23 00-0033	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	7.79
01 45 23 00-0034	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	2,336.43
01 45 23 00-0035	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,854.72
01 45 23 00-0036	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	3,635.61

01 45 23 00-0037 Tank Line Tightness Testing *(01 45 23 00-0030)*

01 45 23 00-0038	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	493.00
01 45 23 00-0039	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	547.43
01 45 23 00-0040	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	601.66

01 45 23 00-0041 Other Testing *(01 45 23)*

01 45 23 00-0042 Special Testing *(01 45 23 00-0041)*

01 45 23 00-0043	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	171.17
01 45 23 00-0044	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,027.00
01 45 23 00-0045	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	53.35
01 45 23 00-0046	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	221.30
01 45 23 00-0047	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	221.30
01 45 23 00-0048	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	221.30
01 45 23 00-0049	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,217.15
01 45 23 00-0050	EA	Testing And Certification Of Backflow Valves	596.20

01 45 23 00-0051 Non-destructive Field Testing Services *(01 45 23 00-0041)*

01 45 23 00-0052 Infrared Thermography *(01 45 23 00-0051)*

Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.

01 45 23 00-0053 Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0052)*

Note: For on the roof surveys.

01 45 23 00-0054	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	3,983.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0055	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.64	
		For CADD Drawings, Add	*1.33*	
01 45 23 00-0056	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.43	
		For CADD Drawings, Add	*0.89*	
01 45 23 00-0057	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.32	
		For CADD Drawings, Add	*0.66*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.83*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.83*	
01 45 23 00-0058	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.21	
		For CADD Drawings, Add	*0.44*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.55*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.55*	

01 45 23 00-0059 Building Moisture Investigation Using Infrared Thermography *(01 45 23 00-0052)*

Note: For finding moisture in walls and windows.

01 45 23 00-0060	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0061	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*3.32*	
01 45 23 00-0062	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*2.22*	
01 45 23 00-0063	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.21	
		For Digital Or Analog Recording Of All Items, Add	*1.11*	

01 45 23 00-0064 General Building Investigation Using Infrared Thermography *(01 45 23 00-0052)*

Note: For finding missing or misplaced insulation, air leakage and delamination.

01 45 23 00-0065	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	4,315.35	
01 45 23 00-0066	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*3.32*	
01 45 23 00-0067	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*2.22*	
01 45 23 00-0068	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	2.21	
		For Digital Or Analog Recording Of All Items, Add	*1.11*	

01 45 23 00-0069 Electrical /Mechanical Equipment Scanning Using Infrared Thermography *(01 45 23 00-0052)*

Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.

01 45 23 00-0070	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0071	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	230.79	
		For Digital Or Analog Recording Of All Items, Add	*34.55*	

01 45 23 00-0072 Concrete Block Wall Investigation Using Infrared Thermography *(01 45 23 00-0052)*

Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.

01 45 23 00-0073	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0074	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*1.00*	
01 45 23 00-0075	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*0.66*	

01 45 23 00-0076 Other Non-destructive Field Testing Services *(01 45 23 00-0051)*

01 45 23 00-0077	HR	ASNT Certified Level I NDT Consultant	77.78	
01 45 23 00-0078	HR	ASNT Certified Level II NDT Consultant	86.88	
01 45 23 00-0079	HR	ASNT Certified Level III NDT Consultant	102.18	
01 45 23 00-0080	HR	Certified Industrial Radiography Radiation Safety Personnel	117.00	

01 45 23 00-0081 Testing Professional Services *(01 45 23 00-0041)*

01 45 23 00-0082	HR	Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	212.32	
01 45 23 00-0083	HR	Laboratory Technician	205.47	
01 45 23 00-0084	HR	Portable Digital Reinforcement Scanner	296.79	
01 45 23 00-0085	HR	Subsurface Detection Radar System	502.26	
01 45 23 00-0086	HR	Pavement Rehabilitation Analysis Using Deflectors	570.75	

01 45 23 00-0087 Concrete Slab Moisture Testing *(01 45 23 00-0041)*

01 45 23 00-0088	EA	Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	162.73	

01 45 23 00-0089 Soils/Aggregate Testing *(01 45 23)*

01 45 23 00-0090 Field Soils Tests *(01 45 23 00-0089)*

01 45 23 00-0091	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	353.86	
01 45 23 00-0092	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	502.26	
01 45 23 00-0093	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	570.75	
01 45 23 00-0094	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	456.60	
01 45 23 00-0095	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	684.90	
01 45 23 00-0096	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,369.34	
01 45 23 00-0097	EA	Moisture Content, Field Soils Test	51.35	
01 45 23 00-0098	EA	UBC Or Swell Test, Field Soils Test	136.98	
01 45 23 00-0099	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	342.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0100	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	427.92	
01 45 23 00-0101	EA	Density And Classification Test, Field Soils Test	104.27	
01 45 23 00-0102	EA	Percolation Test, Field Soils Test	260.67	
01 45 23 00-0103	EA	Infiltration Test, Field Soils Test	521.35	
01 45 23 00-0104		Aggregate Testing *(01 45 23 00-0089)*		
01 45 23 00-0105	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	114.15	
01 45 23 00-0106	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	205.47	
01 45 23 00-0107	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	285.38	
01 45 23 00-0108	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	169.44	
01 45 23 00-0109	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	181.37	
01 45 23 00-0110	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	162.61	
01 45 23 00-0111	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	241.83	
01 45 23 00-0112	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	228.30	
01 45 23 00-0113	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	228.30	
01 45 23 00-0114	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	171.22	
01 45 23 00-0115	EA	Fine Aggregate Durability Index, CA 229	182.64	
01 45 23 00-0116	EA	Sodium And Magnesium Soundness, ASTM C88	479.27	
01 45 23 00-0117	EA	Los Angeles Rattler, ASTM C-131, CA 211	365.28	
01 45 23 00-0118	EA	Los Angeles Rattler, ASTM C-535	365.28	
01 45 23 00-0119	EA	Unit Weight Of Aggregates, ASTM C29	102.74	
01 45 23 00-0120	EA	Organic Impurities In Sand, ASTM C40	102.70	
01 45 23 00-0121	EA	Crushed Particle, ASTM California Test Method	102.70	
01 45 23 00-0122	EA	Clay Lump And Friable Particles, ASTM C142	205.40	
01 45 23 00-0123		Permeability Tests *(01 45 23 00-0089)*		
01 45 23 00-0124		In-Place Tests *(01 45 23 00-0123)*		
01 45 23 00-0125	EA	Double Ring Infiltrometer Test, ASTM D3385	1,813.72	
01 45 23 00-0126	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	85.58	
01 45 23 00-0127		Lab Tests *(01 45 23 00-0123)*		
01 45 23 00-0128	EA	Falling Head Rigid Wall Consolidometer Technique CAE	846.40	
01 45 23 00-0129	EA	Falling Head Permeability Test EPA-9100	846.40	
01 45 23 00-0130	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	483.66	
01 45 23 00-0131		Masonry/Concrete Block/Tile Testing *(01 45 23)*		
01 45 23 00-0132		Masonry Testing *(01 45 23 00-0131)*		
01 45 23 00-0133	EA	2" x 4" Cylinder Mortar Compression Test	75.34	
01 45 23 00-0134	EA	4" x 4" x 8" Grout Prisms Compression Test	75.34	
01 45 23 00-0135	EA	Masonry Cores Compression Test	148.40	
01 45 23 00-0136	EA	Composite Grouted Prism Compression Test	285.38	
01 45 23 00-0137		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0131)*		
01 45 23 00-0138	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	182.64	
01 45 23 00-0139	EA	Absorption Test, Moisture Content And Unit Weight	125.56	
01 45 23 00-0140	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	479.27	
01 45 23 00-0141	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	239.63	
01 45 29		**Testing Laboratory Services** *(01 45)* Note: For application to existing materials/site conditions or additional testing over specifications stated tests.		
01 45 29 00-0001		Soil Borings Laboratory Tests *(01 45 29)* See CSI section 02 32 13 00-0000 for soil borings.		
01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	157.19	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	50.15	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	120.92	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	846.40	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	132.70	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	36.27	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	22.53	
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	290.95	
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	101.43	
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	20.06	
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test	1,002.97	
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	202.87	
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test	250.74	
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	464.14	
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883	513.68	
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	150.45	
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test	167.16	
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	358.78	
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	76.89	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 50 Temporary Facilities and Controls (01)

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

01 51 Temporary Utilities (01 50)

01 51 13 Temporary Electricity (01 51)

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

Note: Includes all connections and removal after use.

01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,615.41
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,510.09
01 51 13 00-0004	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,590.53
01 51 13 00-0005	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,506.57

01 51 13 00-0006 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses (01 51 13)

Note: Includes mounting on wall and removal after use.

01 51 13 00-0007	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,660.03
01 51 13 00-0008	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,333.09
01 51 13 00-0009	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers	3,646.30
01 51 13 00-0010	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers	5,206.83

01 51 13 00-0011 Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards (01 51 13)

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

01 51 13 00-0012	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.18
01 51 13 00-0013	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.35

01 51 26 Temporary Lighting (01 51)

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

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light	294.89
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	109.67
01 51 26 00-0004	EA	Temporary High Bay Light	416.90

01 52 Construction Facilities (01 50)

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

01 52 13 Field Offices and Sheds (01 52)

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

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	252.05
		For Each Delivery And Removal, Two Round Trips, Add	*1,546.19*
		For Each Set-Up (Block And Level), Add	*831.92*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*
		For Knockdown, Add	*772.38*
		For Office Trailer Without Toilet, Deduct	*-50.41*
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	285.65
		For Each Delivery And Removal, Two Round Trips, Add	*1,546.19*
		For Each Set-Up (Block And Level), Add	*831.92*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*
		For Knockdown, Add	*772.38*
		For Office Trailer Without Toilet, Deduct	*-57.13*
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	386.47
		For Each Delivery And Removal, Two Round Trips, Add	*3,092.39*
		For Each Set-Up (Block And Level), Add	*1,306.68*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*
		For Knockdown, Add	*1,155.43*
		For Office Trailer Without Toilet, Deduct	*-77.29*
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	411.68
		For Each Delivery And Removal, Two Round Trips, Add	*3,092.39*
		For Each Set-Up (Block And Level), Add	*1,306.68*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*
		For Knockdown, Add	*1,155.43*
		For Office Trailer Without Toilet, Deduct	*-82.34*
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet	453.69
		For Each Delivery And Removal, Two Round Trips, Add	*3,092.39*
		For Each Set-Up (Block And Level), Add	*1,306.68*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*
		For Knockdown, Add	*1,155.43*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet	478.89	
		For Each Delivery And Removal, Two Round Trips, Add	*3,092.39*	
		For Each Set-Up (Block And Level), Add	*1,306.68*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*	
		For Knockdown, Add	*1,155.43*	
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet	389.04	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*	
		For Knockdown, Add	*1,155.43*	
		For Each Delivery And Removal, Two Round Trips, Add	*758.12*	
		For Each Set-Up (Block And Level), Add	*587.88*	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet	520.13	
		For Each Delivery And Removal, Two Round Trips, Add	*3,092.39*	
		For Each Set-Up (Block And Level), Add	*1,306.68*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*	
		For Knockdown, Add	*1,155.43*	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet	619.20	
		For Each Delivery And Removal, Two Round Trips, Add	*3,092.39*	
		For Each Set-Up (Block And Level), Add	*1,306.68*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*	
		For Knockdown, Add	*1,155.43*	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet	856.12	
		For Each Delivery And Removal, Two Round Trips, Add	*3,092.39*	
		For Each Set-Up (Block And Level), Add	*1,306.68*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*	
		For Knockdown, Add	*1,155.43*	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	1,344.25	
		For Each Delivery And Removal, Two Round Trips, Add	*4,638.58*	
		For Each Set-Up (Block And Level), Add	*2,331.18*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*	
		For Knockdown, Add	*2,317.15*	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	1,613.09	
		For Each Delivery And Removal, Two Round Trips, Add	*4,638.58*	
		For Each Set-Up (Block And Level), Add	*2,331.18*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*	
		For Knockdown, Add	*2,317.15*	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	843.31	
		For Each Delivery And Removal, Two Round Trips, Add	*4,638.58*	
		For Each Set-Up (Block And Level), Add	*2,331.18*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.53*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*324.72*	
		For Knockdown, Add	*2,317.15*	

01 52 13 00-0015 Storage Containers *(01 52 13)*

01 52 13 00-0016	MO	8' x 8' x 10' Storage Container	140.03	
		For Each Delivery And Removal, Two Round Trips, Add	*116.51*	
		For >12 Months, Deduct	*-31.51*	
01 52 13 00-0017	MO	8' x 8' x 20' Storage Container	146.40	
		For Each Delivery And Removal, Two Round Trips, Add	*128.16*	
		For >12 Months, Deduct	*-32.94*	
01 52 13 00-0018	MO	8' x 8' x 40' Storage Container	173.13	
		For Each Delivery And Removal, Two Round Trips, Add	*258.11*	
		For >12 Months, Deduct	*-38.95*	

01 52 19 Sanitary Facilities *(01 52)*

01 52 19 00-0001 Portable Toilets *(01 52 19)*

Note: Includes servicing once per week (unless task states otherwise).

01 52 19 00-0002	WK	Portable Chemical Toilet	70.86	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*47.65*	
01 52 19 00-0003	MO	Portable Chemical Toilet	212.57	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*47.65*	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	84.51	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*47.65*	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	248.00	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*47.65*	
01 52 19 00-0006	WK	Two Station Portable Handwash	56.43	
		For Each Delivery And Set-up, Add	*47.65*	
01 52 19 00-0007	MO	Two Station Portable Handwash	171.18	
		For Each Delivery And Set-up, Add	*47.65*	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer	6,253.92	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
		For Each Delivery, Set-up And Removal, Two Round Trips, Add	*1,222.79*	
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week	2,105.24	
		For One Additional Service Per Week, Add	*701.74*	
		Note: For one less service per week, UOM to be negative one (-1)		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 53 Temporary Construction *(01 50)*

01 53 16 Temporary Decking *(01 53)*

01 53 16 00-0001 Temporary Walkways And Railings *(01 53 16)*

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.50	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	38.44	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	15.79	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	28.86	

01 53 23 Temporary Ramps *(01 53)*

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access *(01 53 23)*

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	1.81	0.58

01 54 Construction Aids *(01 50)*

01 54 09 Personnel Protection Equipment *(01 54)*

01 54 09 00-0001 Personnel Protection Equipment *(01 54 09)*

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responisbility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

01 54 09 00-0002	NTE	Personnel Protection Equipment	0.00
		Note: For specification publishing. Review specifications for requirements.	

01 54 23 Temporary Scaffolding and Platforms *(01 54)*

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

Note: Additional scaffolding rental for work above the normal working height.

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

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

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month)	44.13
		For Up To 25, Add	*17.65*
		For >25 To 50, Add	*11.03*
		For >50 To 150, Add	*4.41*
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	49.62
		For Up To 25, Add	*19.85*
		For >25 To 50, Add	*12.41*
		For >50 To 150, Add	*4.96*
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month)	66.19
		For Up To 25, Add	*26.48*
		For >25 To 50, Add	*16.55*
		For >50 To 150, Add	*6.62*

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

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

01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	52.11
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	68.34
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	91.20
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	100.32
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	115.52
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories	72.97

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

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

01 54 23 00-0014	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	70.43
01 54 23 00-0015	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)	129.12
01 54 23 00-0016	LF	Aluminum Joists (LF / Month)	11.45
01 54 23 00-0017	LF	Aluminum Stringers (LF / Month)	16.42
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers (EA / Month)	20.69

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

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

01 54 23 00-0020	CCF	Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	97.28
01 54 23 00-0021	CCF	>20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	121.60

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0022	CCF	>40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	145.92	
01 54 23 00-0023	CCF	>60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	158.08	
01 54 23 00-0024	CCF	>80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	176.32	

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

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

01 54 23 00-0026	CSF	Netting for Exterior Building Scaffolding Note: Includes removal after use.	43.63	

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

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

01 54 23 00-0028	DAY	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	14.28	
01 54 23 00-0029	WK	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	57.23	
01 54 23 00-0030	MO	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	228.90	
01 54 23 00-0031	DAY	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	23.91	
01 54 23 00-0032	WK	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	95.76	
01 54 23 00-0033	MO	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	383.07	
01 54 23 00-0034	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	115.40	
01 54 23 00-0035	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	144.25	

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

01 54 23 00-0037	DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	2.15	
01 54 23 00-0038	WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	8.60	
01 54 23 00-0039	MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	25.81	
01 54 23 00-0040	EA	Initial Erection And Final Dismantling For Each Shoring Post	9.24	
		For >20 To 50, Deduct	*-1.39*	
		For >50 To 100, Deduct	*-3.23*	
		For >100, Deduct	*-5.08*	

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

Note: Includes removal after use.

01 54 23 00-0042	SF	5/16" CD Grade Plywood, Temporary Lumber	2.83	
01 54 23 00-0043	SF	1/2" CD Grade Plywood, Temporary Lumber	3.20	
01 54 23 00-0044	SF	5/8" CD Grade Plywood, Temporary Lumber	3.51	
01 54 23 00-0045	SF	3/4" CD Grade Plywood, Temporary Lumber	3.86	
01 54 23 00-0046	SF	1" CD Grade Plywood, Temporary Lumber	5.60	
01 54 23 00-0047	LF	2" x 4" Temporary Lumber	3.63	
01 54 23 00-0048	LF	2" x 6" Temporary Lumber	4.58	
01 54 23 00-0049	LF	2" x 8" Temporary Lumber	5.54	
01 54 23 00-0050	LF	2" x 10" Temporary Lumber	6.49	
01 54 23 00-0051	LF	2" x 12" Temporary Lumber	7.45	
01 54 23 00-0052	LF	3" x 8" Temporary Lumber	7.45	
01 54 23 00-0053	LF	3" x 10" Temporary Lumber	8.88	
01 54 23 00-0054	LF	3" x 12" Temporary Lumber	10.33	
01 54 23 00-0055	LF	4" x 4" Temporary Lumber	4.86	
01 54 23 00-0056	LF	4" x 6" Temporary Lumber	6.96	
01 54 23 00-0057	LF	6" x 6" Temporary Lumber	9.05	
01 54 23 00-0058	LF	6" x 8" Temporary Lumber	11.73	
01 54 23 00-0059	LF	12" x 12" Temporary Lumber	28.51	

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

Note: Includes removal after use.

01 54 23 00-0061	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	128.75	
01 54 23 00-0062	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	160.94	
01 54 23 00-0063	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	211.71	

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

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

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

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

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	3,095.78	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,250.57	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,405.36	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,560.15	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,714.94	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,869.73	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	4,024.52	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	892.71	
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	1,115.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	4,919.49	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	6,836.47	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,586.78	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	3,603.01	

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

01 55 23 Temporary Roads *(01 55)*

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

Note: As per Caltrans detail.

01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.35	
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	4.37	

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

01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	413.50	
01 55 23 00-0006	EA	Placement And Removal Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	101.78	
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	25.44	

01 55 23 00-0008 Temporary Road Ramps (Godwin) *(01 55 23)*

Note: Excludes asphalt and gravel.

01 55 23 00-0009	EA	4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	5,078.29	228.91
01 55 23 00-0010	EA	6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	6,914.32	343.37
01 55 23 00-0011	EA	8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	9,553.92	457.82
01 55 23 00-0012	EA	12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	19,827.33	572.28
01 55 23 00-0013	EA	24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)	29,096.29	686.73

01 55 26 Traffic Control *(01 55)*

01 55 26 00-0001 Temporary Pedestrian Traffic Control *(01 55 26)*

01 55 26 00-0002	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	11.21
01 55 26 00-0003	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	14.71
01 55 26 00-0004	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	8.70
01 55 26 00-0005	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	10.70
01 55 26 00-0006	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	11.68
01 55 26 00-0007	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	16.11
01 55 26 00-0008	CLF	1" Exterior Vinyl Tape (Warning Tape)	13.36
01 55 26 00-0009	CLF	2" Exterior Vinyl Tape (Warning Tape)	18.80
01 55 26 00-0010	CLF	3" Exterior Vinyl Tape (Warning Tape)	23.69
01 55 26 00-0011	CLF	4" Exterior Vinyl Tape (Warning Tape)	27.72

01 55 26 00-0012 Temporary Removable Preformed Traffic Black Line Mask *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0013	LF	6" Removable Traffic Black Line Mask	5.39
01 55 26 00-0014	LF	8" Removable Traffic Black Line Mask	6.51

01 55 26 00-0015 Temporary Preformed Traffic Line Tape *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0016	LF	4" Reflective Removable Traffic Line Tape	5.45
01 55 26 00-0017	LF	6" Reflective Removable Traffic Line Tape	7.43
01 55 26 00-0018	LF	8" Reflective Removable Traffic Line Tape	9.33

01 55 26 00-0019 Temporary Painted Traffic Lines *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0020	LF	4" Temporary Painted Traffic Lines Note: Includes removal after use	2.51
		For Not Removed, Deduct	*-1.68*
01 55 26 00-0021	LF	6" Temporary Painted Traffic Lines Note: Includes removal after use	3.30
		For Not Removed, Deduct	*-2.27*
01 55 26 00-0022	LF	8" Temporary Painted Traffic Lines Note: Includes removal after use	4.14
		For Not Removed, Deduct	*-2.91*
01 55 26 00-0023	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.44
01 55 26 00-0024	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.47

01 55 26 00-0025 Linear Delineation System, Temporary Or Permanent *(01 55 26)*

Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0026	LF	4" Linear Delineation System	11.69	
01 55 26 00-0027	LF	6" Linear Delineation System	15.83	

01 55 26 00-0028 Temporary Traffic Protection *(01 55 26)*

01 55 26 00-0029 Temporary Portable Traffic Control Device Usage *(01 55 26 00-0028)*

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0140 for delivery, placing and removal.

01 55 26 00-0030	DAY	28" Cone With Reflective Collar	0.89	
01 55 26 00-0031	WK	28" Cone With Reflective Collar	2.66	
01 55 26 00-0032	MO	28" Cone With Reflective Collar	7.99	
01 55 26 00-0033	DAY	Vertical Panel	2.68	
01 55 26 00-0034	WK	Vertical Panel	8.04	
01 55 26 00-0035	MO	Vertical Panel	24.13	
01 55 26 00-0036	DAY	Channelizer Drum	2.91	
01 55 26 00-0037	WK	Channelizer Drum	8.73	
01 55 26 00-0038	MO	Channelizer Drum	26.20	
01 55 26 00-0039	DAY	Stackable Channelizer Panel	1.38	
01 55 26 00-0040	WK	Stackable Channelizer Panel	4.13	
01 55 26 00-0041	MO	Stackable Channelizer Panel	12.39	
01 55 26 00-0042	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.91	
01 55 26 00-0043	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.72	
01 55 26 00-0044	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	17.16	
01 55 26 00-0045	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.23	
01 55 26 00-0046	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	12.68	
01 55 26 00-0047	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	38.03	
01 55 26 00-0048	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.82	
01 55 26 00-0049	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.45	
01 55 26 00-0050	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	43.34	
01 55 26 00-0051	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.81	
01 55 26 00-0052	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	26.43	
01 55 26 00-0053	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	79.28	
01 55 26 00-0054	DAY	Up To 10' Wide A Frame Barricade	4.83	
01 55 26 00-0055	WK	Up To 10' Wide A Frame Barricade	14.49	
01 55 26 00-0056	MO	Up To 10' Wide A Frame Barricade	43.48	
01 55 26 00-0057	DAY	Type A Or C Flasher	0.98	
01 55 26 00-0058	WK	Type A Or C Flasher	2.95	
01 55 26 00-0059	MO	Type A Or C Flasher	8.86	
01 55 26 00-0060	DAY	Type B Flasher (High Intensity)	5.34	
01 55 26 00-0061	WK	Type B Flasher (High Intensity)	16.02	
01 55 26 00-0062	MO	Type B Flasher (High Intensity)	48.07	

01 55 26 00-0063 Temporary Traffic Barriers Usage *(01 55 26 00-0028)*

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0140 for delivery, placing and removal.

01 55 26 00-0064	DAY	6' Long Portable Parking Curbs	2.30	
01 55 26 00-0065	WK	6' Long Portable Parking Curbs	6.90	
01 55 26 00-0066	MO	6' Long Portable Parking Curbs	20.71	
01 55 26 00-0067	DAY	6' Long Portable Speed Bumps	6.81	
01 55 26 00-0068	WK	6' Long Portable Speed Bumps	20.42	
01 55 26 00-0069	MO	6' Long Portable Speed Bumps	61.28	
01 55 26 00-0070	DAY	8' To 12.5' Concrete Traffic Barrier	16.36	
01 55 26 00-0071	WK	8' To 12.5' Concrete Traffic Barrier	49.07	
01 55 26 00-0072	MO	8' To 12.5' Concrete Traffic Barrier	147.21	
01 55 26 00-0073	DAY	>12.5' To 20' Concrete Traffic Barrier	32.71	
01 55 26 00-0074	WK	>12.5' To 20' Concrete Traffic Barrier	98.14	
01 55 26 00-0075	MO	>12.5' To 20' Concrete Traffic Barrier	294.42	
01 55 26 00-0076	DAY	6' x 32" Tall Plastic Water Barrier	19.53	
01 55 26 00-0077	WK	6' x 32" Tall Plastic Water Barrier	58.60	
01 55 26 00-0078	MO	6' x 32" Tall Plastic Water Barrier	175.80	
01 55 26 00-0079	DAY	6' x 46" Tall Plastic Water Barrier	27.89	
01 55 26 00-0080	WK	6' x 46" Tall Plastic Water Barrier	83.67	
01 55 26 00-0081	MO	6' x 46" Tall Plastic Water Barrier	251.02	
01 55 26 00-0082	DAY	Sand Filled Crash Attenuator Barrels	10.92	
01 55 26 00-0083	WK	Sand Filled Crash Attenuator Barrels	32.75	
01 55 26 00-0084	MO	Sand Filled Crash Attenuator Barrels	98.25	

01 55 26 00-0085 Temporary Portable Signs And Message Displays Usage *(01 55 26 00-0028)*

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0140 for delivery, placing and removal.

01 55 26 00-0086	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.57	
01 55 26 00-0087	WK	Mesh Or Vinyl Roll-up Sign With Stand	25.71	
01 55 26 00-0088	MO	Mesh Or Vinyl Roll-up Sign With Stand	77.14	
01 55 26 00-0089	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand	3.33	
01 55 26 00-0090	WK	18" x 18" Aluminum Construction Sign, With Portable Stand	9.98	
01 55 26 00-0091	MO	18" x 18" Aluminum Construction Sign, With Portable Stand	29.95	
01 55 26 00-0092	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand	4.58	
01 55 26 00-0093	WK	30" x 24" Aluminum Construction Sign, With Portable Stand	13.74	
01 55 26 00-0094	MO	30" x 24" Aluminum Construction Sign, With Portable Stand	41.21	
01 55 26 00-0095	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand	4.07	
01 55 26 00-0096	WK	30" x 30" Aluminum Construction Sign, With Portable Stand	12.20	
01 55 26 00-0097	MO	30" x 30" Aluminum Construction Sign, With Portable Stand	36.59	
01 55 26 00-0098	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand	5.00	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0099	WK	48" x 18" Aluminum Construction Sign, With Portable Stand	14.99	
01 55 26 00-0100	MO	48" x 18" Aluminum Construction Sign, With Portable Stand	44.98	
01 55 26 00-0101	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand	5.84	
01 55 26 00-0102	WK	48" x 24" Aluminum Construction Sign, With Portable Stand	17.51	
01 55 26 00-0103	MO	48" x 24" Aluminum Construction Sign, With Portable Stand	52.53	
01 55 26 00-0104	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand	6.68	
01 55 26 00-0105	WK	48" x 30" Aluminum Construction Sign, With Portable Stand	20.03	
01 55 26 00-0106	MO	48" x 30" Aluminum Construction Sign, With Portable Stand	60.08	
01 55 26 00-0107	DAY	48" x 36" Aluminum Construction Sign, With Portable Stand	7.52	
01 55 26 00-0108	WK	48" x 36" Aluminum Construction Sign, With Portable Stand	22.55	
01 55 26 00-0109	MO	48" x 36" Aluminum Construction Sign, With Portable Stand	67.64	
01 55 26 00-0110	DAY	48" x 48" Aluminum Construction Sign, With Portable Stand	9.19	
01 55 26 00-0111	WK	48" x 48" Aluminum Construction Sign, With Portable Stand	27.58	
01 55 26 00-0112	MO	48" x 48" Aluminum Construction Sign, With Portable Stand	82.74	
01 55 26 00-0113	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand	9.16	
01 55 26 00-0114	WK	60" x 24" Aluminum Construction Sign, With Portable Stand	27.47	
01 55 26 00-0115	MO	60" x 24" Aluminum Construction Sign, With Portable Stand	82.41	
01 55 26 00-0116	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand	10.21	
01 55 26 00-0117	WK	60" x 30" Aluminum Construction Sign, With Portable Stand	30.62	
01 55 26 00-0118	MO	60" x 30" Aluminum Construction Sign, With Portable Stand	91.85	
01 55 26 00-0119	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand	11.25	
01 55 26 00-0120	WK	60" x 36" Aluminum Construction Sign, With Portable Stand	33.76	
01 55 26 00-0121	MO	60" x 36" Aluminum Construction Sign, With Portable Stand	101.29	
01 55 26 00-0122	DAY	Aluminum Sign And Post	4.76	
01 55 26 00-0123	WK	Aluminum Sign And Post	14.28	
01 55 26 00-0124	MO	Aluminum Sign And Post	42.84	
01 55 26 00-0125	DAY	4' x 8' Construction Identification Sign, No. 2 Or 3	18.39	
01 55 26 00-0126	WK	4' x 8' Construction Identification Sign, No. 2 Or 3	55.16	
01 55 26 00-0127	MO	4' x 8' Construction Identification Sign, No. 2 Or 3	165.48	
01 55 26 00-0128	DAY	12' x 6' Interstate Construction Identification Sign, No. 1	35.17	
01 55 26 00-0129	WK	12' x 6' Interstate Construction Identification Sign, No. 1	105.50	
01 55 26 00-0130	MO	12' x 6' Interstate Construction Identification Sign, No. 1	316.50	
01 55 26 00-0131	DAY	Trailer Mounted Flashing Arrow Board	180.33	
01 55 26 00-0132	WK	Trailer Mounted Flashing Arrow Board	499.12	
01 55 26 00-0133	MO	Trailer Mounted Flashing Arrow Board	1,320.24	
01 55 26 00-0134	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	300.66	
01 55 26 00-0135	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	801.76	
01 55 26 00-0136	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,603.52	
01 55 26 00-0137	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,457.96	
01 55 26 00-0138	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,373.88	
01 55 26 00-0139	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	13,121.64	

01 55 26 00-0140 Place And Remove Temporary Traffic Protection Using Truck *(01 55 26 00-0028)*

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0039 for delivery >15 miles.

01 55 26 00-0141	EA	Placement And Removal Of Up To 250 Cones Using Truck	4.01	
01 55 26 00-0142	EA	Placement And Removal Of >250 Cones Using Truck	3.50	
01 55 26 00-0143	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck	6.61	
01 55 26 00-0144	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck	5.51	
01 55 26 00-0145	EA	Placement And Removal Of Up To 250 Barricades Using Truck	10.01	
01 55 26 00-0146	EA	Placement And Removal Of >250 Barricades Using Truck	8.01	
01 55 26 00-0147	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck	10.01	
01 55 26 00-0148	EA	Placement And Removal Of Portable Sign And Stand Using Truck	6.01	
01 55 26 00-0149	EA	Placement And Removal Of Aluminum Sign And Post Using Truck	25.03	
01 55 26 00-0150	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	75.09	
01 55 26 00-0151	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	101.78	
		For 1 Barrier, Add	*254.45*	
		For 2 Barriers, Add	*91.60*	
		For 3 Barriers, Add	*30.53*	
01 55 26 00-0152	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	152.67	
		For 1 Barrier, Add	*381.68*	
		For 2 Barriers, Add	*137.40*	
		For 3 Barriers, Add	*45.80*	
01 55 26 00-0153	EA	Placement And Removal Of Plastic Water Barrier Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	58.36	
		For 1 Barrier, Add	*127.23*	
		For 2 Barriers, Add	*45.80*	
		For 3 Barriers, Add	*15.27*	
01 55 26 00-0154	EA	Placement And Removal Of Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	76.33	
		For 1 Barrier, Add	*190.83*	
		For 2 Barriers, Add	*68.70*	
		For 3 Barriers, Add	*22.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0155		**Place And Remove Temporary Traffic Protection From Roadside (Daily)** *(01 55 26 00-0028)*		
01 55 26 00-0156	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside	2.51	
01 55 26 00-0157	EA	Placement And Removal Of >250 Cones By Hand From Roadside	2.00	
01 55 26 00-0158	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	3.34	
01 55 26 00-0159	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside	2.65	
01 55 26 00-0160	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	5.00	
01 55 26 00-0161	EA	Placement And Removal Of >250 Barricades By Hand From Roadside	4.01	
01 55 26 00-0162	EA	Placement And Removal Of Portable Sign And Stand From Roadside	2.96	
01 55 26 00-0163	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside	37.54	
01 55 26 00-0164	EA	Roadside Relocation Of Concrete Traffic Barrier	50.89	
		Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
01 55 26 00-0165		**Place And Remove Temporary Signs For Detours** *(01 55 26 00-0028)*		
01 55 26 00-0166		**Temporary Reflectorized Signs For Detours** *(01 55 26 00-0165)*		
		Note: Excludes posts.		
01 55 26 00-0167		**Temporary Aluminum Engineer Grade Stop Signs For Detours** *(01 55 26 00-0166)*		
01 55 26 00-0168	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	94.11	
		For Hi-Intensity Grade, Add	*9.53*	
		For Diamond Grade, Add	*18.10*	
01 55 26 00-0169	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	107.34	
		For Hi-Intensity Grade, Add	*12.46*	
		For Diamond Grade, Add	*23.67*	
01 55 26 00-0170	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours	115.70	
		For Hi-Intensity Grade, Add	*19.03*	
		For Diamond Grade, Add	*30.17*	
01 55 26 00-0171	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	132.20	
		For Hi-Intensity Grade, Add	*7.13*	
		For Diamond Grade, Add	*38.64*	
01 55 26 00-0172	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours	171.48	
		For Hi-Intensity Grade, Add	*20.96*	
		For Diamond Grade, Add	*65.73*	
01 55 26 00-0173		**Other Temporary Reflectorized Traffic Signs For Detours** *(01 55 26 00-0166)*		
		Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
01 55 26 00-0174		**Temporary Aluminum Engineer Grade Traffic Signs For Detours** *(01 55 26 00-0173)*		
01 55 26 00-0175	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours	63.30	
		For Hi-Intensity Grade, Add	*2.36*	
01 55 26 00-0176	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours	67.23	
		For Hi-Intensity Grade, Add	*3.54*	
01 55 26 00-0177	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours	67.23	
		For Hi-Intensity Grade, Add	*3.54*	
01 55 26 00-0178	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours	70.18	
		For Hi-Intensity Grade, Add	*4.43*	
01 55 26 00-0179	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours	73.13	
		For Hi-Intensity Grade, Add	*5.31*	
01 55 26 00-0180	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours	82.49	
		For Hi-Intensity Grade, Add	*7.08*	
01 55 26 00-0181	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours	106.09	
		For Hi-Intensity Grade, Add	*14.16*	
01 55 26 00-0182	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours	71.16	
		For Hi-Intensity Grade, Add	*4.72*	
01 55 26 00-0183	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours	82.49	
		For Hi-Intensity Grade, Add	*7.08*	
01 55 26 00-0184	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours	90.35	
		For Hi-Intensity Grade, Add	*9.44*	
01 55 26 00-0185	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours	98.22	
		For Hi-Intensity Grade, Add	*11.80*	
01 55 26 00-0186	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours	106.09	
		For Hi-Intensity Grade, Add	*14.16*	
01 55 26 00-0187	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours	94.29	
		For Hi-Intensity Grade, Add	*10.62*	
01 55 26 00-0188	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours	106.09	
		For Hi-Intensity Grade, Add	*14.16*	
01 55 26 00-0189	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours	121.36	
		For Hi-Intensity Grade, Add	*17.70*	
01 55 26 00-0190	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours	133.16	
		For Hi-Intensity Grade, Add	*21.24*	
01 55 26 00-0191	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours	182.41	
		For Hi-Intensity Grade, Add	*31.86*	
01 55 26 00-0192	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours	125.29	
		For Hi-Intensity Grade, Add	*18.88*	
01 55 26 00-0193	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours	141.02	
		For Hi-Intensity Grade, Add	*23.60*	
01 55 26 00-0194	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours	156.75	
		For Hi-Intensity Grade, Add	*28.32*	
01 55 26 00-0195	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours	186.35	
		For Hi-Intensity Grade, Add	*33.04*	
01 55 26 00-0196	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours	202.08	
		For Hi-Intensity Grade, Add	*37.76*	
01 55 26 00-0197	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours	217.81	
		For Hi-Intensity Grade, Add	*42.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0198	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours	160.69	
		For Hi-Intensity Grade, Add	*29.50*	
01 55 26 00-0199	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours	194.21	
		For Hi-Intensity Grade, Add	*35.40*	
01 55 26 00-0200	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours	213.88	
		For Hi-Intensity Grade, Add	*41.30*	
01 55 26 00-0201	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours	247.40	
		For Hi-Intensity Grade, Add	*47.20*	
01 55 26 00-0202	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours	300.58	
		For Hi-Intensity Grade, Add	*59.00*	
01 55 26 00-0203	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours	217.81	
		For Hi-Intensity Grade, Add	*42.48*	
01 55 26 00-0204	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours	255.27	
		For Hi-Intensity Grade, Add	*49.56*	
01 55 26 00-0205	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours	292.72	
		For Hi-Intensity Grade, Add	*56.64*	
01 55 26 00-0206	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours	316.32	
		For Hi-Intensity Grade, Add	*63.72*	
01 55 26 00-0207	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours	353.78	
		For Hi-Intensity Grade, Add	*70.80*	
01 55 26 00-0208	EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours	418.77	
		For Hi-Intensity Grade, Add	*86.14*	
01 55 26 00-0209	EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours	438.43	
		For Hi-Intensity Grade, Add	*92.03*	
01 55 26 00-0210	EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours	577.21	
		For Hi-Intensity Grade, Add	*127.43*	
01 55 26 00-0211	EA	Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours	296.65	
		For Hi-Intensity Grade, Add	*57.82*	
01 55 26 00-0212	EA	Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours	369.51	
		For Hi-Intensity Grade, Add	*75.52*	
01 55 26 00-0213	EA	Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours	414.83	
		For Hi-Intensity Grade, Add	*84.95*	
01 55 26 00-0214	EA	Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours	446.30	
		For Hi-Intensity Grade, Add	*94.40*	
01 55 26 00-0215	EA	Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours	498.55	
		For Hi-Intensity Grade, Add	*103.83*	
01 55 26 00-0216	EA	Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours	530.02	
		For Hi-Intensity Grade, Add	*113.27*	
01 55 26 00-0217	EA	Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours	606.81	
		For Hi-Intensity Grade, Add	*132.15*	
01 55 26 00-0218	EA	Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours	669.74	
		For Hi-Intensity Grade, Add	*151.03*	
01 55 26 00-0219	EA	Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours	701.20	
		For Hi-Intensity Grade, Add	*160.47*	
01 55 26 00-0220	EA	Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours	739.59	
		For Hi-Intensity Grade, Add	*169.91*	
01 55 26 00-0221	EA	Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours	638.27	
		For Hi-Intensity Grade, Add	*141.59*	
01 55 26 00-0222	EA	Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours	991.30	
		For Hi-Intensity Grade, Add	*245.42*	

01 55 26 00-0223 Temporary Overhead Sign Structures For Detours *(01 55 26 00-0165)*

Note: Including horizontal Z-bars.

01 55 26 00-0224	SF	From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours	22.50	
		For Over 10' High, Add	*13.00*	

01 55 26 00-0225 Temporary Sign Posts For Detours *(01 55 26 00-0165)*

Note: Excludes sign.

01 55 26 00-0226 Temporary U-Channel Sign Posts For Detours *(01 55 26 00-0225)*

Note: Excludes digging and concrete.

01 55 26 00-0227 Temporary Baked Enamel U-Channel Sign Posts For Detours *(01 55 26 00-0226)*

01 55 26 00-0228	EA	Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	83.79	
01 55 26 00-0229	EA	Temporary 6' Baked Enamel U-Channel Sign Post For Detours	108.98	
01 55 26 00-0230	EA	Temporary 7' Baked Enamel U-Channel Sign Post For Detours	130.24	
01 55 26 00-0231	EA	Temporary 8' Baked Enamel U-Channel Sign Post For Detours	152.40	
01 55 26 00-0232	EA	Temporary 10' Baked Enamel U-Channel Sign Post For Detours	184.11	
01 55 26 00-0233	EA	Temporary 12' Baked Enamel U-Channel Sign Post For Detours	195.54	

01 55 26 00-0234 Temporary Galvanized Steel U-Channel Sign Posts For Detours *(01 55 26 00-0226)*

01 55 26 00-0235	EA	Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	89.39	
01 55 26 00-0236	EA	Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	117.86	
01 55 26 00-0237	EA	Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	150.33	
01 55 26 00-0238	EA	Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	174.60	
01 55 26 00-0239	EA	Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	200.28	
01 55 26 00-0240	EA	Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	209.60	

01 55 26 00-0241 Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours *(01 55 26 00-0226)*

01 55 26 00-0242	EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	82.47	
01 55 26 00-0243	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	106.11	
01 55 26 00-0244	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	126.78	
01 55 26 00-0245	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	148.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0246	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	176.62	
01 55 26 00-0247	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	191.10	
01 55 26 00-0248		Temporary Tubular Sign Posts For Detours *(01 55 26 00-0225)*		
		Note: Excludes digging and concrete.		
01 55 26 00-0249		Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours *(01 55 26 00-0248)*		
01 55 26 00-0250	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	118.78	
01 55 26 00-0251	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	141.21	
01 55 26 00-0252	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	166.46	
01 55 26 00-0253	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	212.43	
01 55 26 00-0254	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	230.03	
01 55 26 00-0255		Temporary Square Sign Posts For Detours *(01 55 26 00-0225)*		
		Note: Excludes digging and concrete.		
01 55 26 00-0256		Temporary Galvanized Steel Square Sign Posts For Detours *(01 55 26 00-0255)*		
01 55 26 00-0257	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	90.63	
01 55 26 00-0258	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	138.90	
01 55 26 00-0259	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	163.42	
01 55 26 00-0260	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	190.62	
01 55 26 00-0261	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	232.60	
01 55 26 00-0262	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	250.31	
01 55 26 00-0263		Temporary Breakaway Sign Posts And Bases For Detours *(01 55 26 00-0165)*		
		Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0264		Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0263)*		
01 55 26 00-0265		Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0264)*		
01 55 26 00-0266	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	105.23	
01 55 26 00-0267	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	65.97	
01 55 26 00-0268		Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0264)*		
01 55 26 00-0269	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours	12.34	
01 55 26 00-0270		Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0263)*		
01 55 26 00-0271		Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0270)*		
01 55 26 00-0272	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	108.71	
01 55 26 00-0273	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	65.97	
01 55 26 00-0274		Temporary Breakaway Sign Posts, 4 Lb./LF For Detours *(01 55 26 00-0270)*		
01 55 26 00-0275	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours	14.50	
01 55 26 00-0276		Temporary Driven Sign Posts For Detours *(01 55 26 00-0263)*		
01 55 26 00-0277		Temporary Driven Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0276)*		
01 55 26 00-0278	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.18	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0279		Temporary Driven Posts, 4 Lb./LF For Detours *(01 55 26 00-0276)*		
01 55 26 00-0280	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.28	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0281		Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours *(01 55 26 00-0263)*		
01 55 26 00-0282		Temporary Omni-Directional Breakaway Systems For Signs For Detours *(01 55 26 00-0281)*		
		Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0283	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,188.76	
01 55 26 00-0284	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,266.82	
01 55 26 00-0285	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	868.47	
01 55 26 00-0286	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	760.66	
01 55 26 00-0287	EA	Temporary Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	862.49	
01 55 26 00-0288	EA	Temporary Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	820.57	
01 55 26 00-0289	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	772.49	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 55 26 00-0290 Temporary Omni-Directional Breakaway Systems For Poles For Detours *(01 55 26 00-0281)*

Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.

01 55 26 00-0291	EA	Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings	425.56	
01 55 26 00-0292	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings	446.20	
01 55 26 00-0293	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings	463.35	
01 55 26 00-0294	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	703.56	
01 55 26 00-0295	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	61.78	
01 55 26 00-0296	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	82.37	

01 55 26 00-0297 Temporary Rumble Strips *(01 55 26)*

Note: Includes removal after use.

01 55 26 00-0298	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	13.96	
01 55 26 00-0299	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	10.04	

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

Note: Includes removal after use.

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

01 56 16 00-0001 Temporary Sheeting For Protection *(01 56 16)*

Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.

01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.40	
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.51	
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.68	
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.67	
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.49	
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.60	
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.77	
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.72	
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.94	
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.52	
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.63	
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.80	
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.75	
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.51	
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.62	
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.79	
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.74	
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.58	
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.69	
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.86	
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.81	

01 56 16 00-0023 Accessories For Temporary Sheeting *(01 56 16)*

Note: Includes removal after use.

01 56 16 00-0024	EA	7' Zipper Door For Plastic Sheeting Note: Includes removal after use.	25.20	
01 56 16 00-0025	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	10.03	

01 56 16 00-0026 Magnetic Barriers For Temporary Sheeting *(01 56 16)*

01 56 16 00-0027	EA	Magnetic Dust Barrier Door System For Plastic Sheeting Note: Multi use. Excludes spring poles and magnetic strips.	26.86	
01 56 16 00-0028	EA	29" To 50", Dust Barrier Spring Pole For Door System Note: Multi use.	7.25	
01 56 16 00-0029	EA	Magnetic Strip For Door System Note: Multi use.	3.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 56 16 00-0030 Temporary Critical Barriers For Protection *(01 56 16)*

Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.

01 56 16 00-0031	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles Note: Includes removal after use.	13.74	
01 56 16 00-0032	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc. Note: Includes removal after use.	20.82	
01 56 16 00-0033	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc. Note: Includes removal after use.	27.98	
01 56 16 00-0034	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc. Note: Includes removal after use.	43.72	

01 56 16 00-0035 Temporary Stud Wall *(01 56 16)*

Note: Includes removal after use.

01 56 16 00-0036 Temporary Stud Wall With Drywall *(01 56 16 00-0035)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.

01 56 16 00-0037 Temporary Stud Wall With Drywall *(01 56 16 00-0036)*

01 56 16 00-0038	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.29	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0039	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.29	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0040	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.42	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0041	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.12	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	
01 56 16 00-0042	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.12	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	
01 56 16 00-0043	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.36	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	

01 56 16 00-0044 Temporary Stud Wall With Fire Rated Drywall *(01 56 16 00-0036)*

01 56 16 00-0045	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.43	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0046	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.47	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0047	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.40	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0048	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.35	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0049	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.40	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	
01 56 16 00-0050	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.48	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	
01 56 16 00-0051	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.34	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	
01 56 16 00-0052	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	12.22	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	

01 56 16 00-0053 Temporary Stud Wall With Oriented Strand Board (OSB) *(01 56 16 00-0035)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0054	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.11	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0055	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.15	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0056	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.29	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0057	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.37	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0058	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.74	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0059	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.84	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	
01 56 16 00-0060	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.12	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	
01 56 16 00-0061	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.27	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	

01 56 16 00-0062 Temporary Stud Wall With BC Plywood *(01 56 16 00-0035)*

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

01 56 16 00-0063	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.44	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0064	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.62	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0065	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.82	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0066	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.98	
		For Metal Studs 24" On Center, Add/Deduct	*1.04*	
01 56 16 00-0067	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.40	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	
01 56 16 00-0068	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.76	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	
01 56 16 00-0069	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.18	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	
01 56 16 00-0070	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.49	
		For Metal Studs 24" On Center, Add/Deduct	*1.16*	

01 56 16 00-0071 Temporary Stud Wall With Plastic Sheeting *(01 56 16 00-0035)*

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

01 56 16 00-0072	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.17	
		For Metal Studs 24" On Center, Add/Deduct	*0.91*	
01 56 16 00-0073	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.25	
		For Metal Studs 24" On Center, Add/Deduct	*0.91*	
01 56 16 00-0074	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.28	
		For Metal Studs 24" On Center, Add/Deduct	*0.91*	
01 56 16 00-0075	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.27	
		For Metal Studs 24" On Center, Add/Deduct	*0.91*	
01 56 16 00-0076	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.35	
		For Metal Studs 24" On Center, Add/Deduct	*0.91*	

01 56 16 00-0077 Temporary Doors *(01 56 16 00-0035)*

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

01 56 16 00-0078	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	672.25	

01 56 16 00-0079 Temporary Floor Protection *(01 56 16)*

Note: Includes removal after use.

01 56 16 00-0080	SF	1/2" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	1.97	
01 56 16 00-0081	SF	3/4" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.22	
01 56 16 00-0082	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection Note: Includes removal after use.	0.90	
01 56 16 00-0083	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection Note: Includes removal after use.	0.35	
01 56 16 00-0084	CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film Note: Includes removal after use.	28.02	
01 56 16 00-0085	LF	36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.64	
		For Seam Tape, Add Per LF	*0.27*	
01 56 16 00-0086	LF	36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.74	
		For Seam Tape, Add Per LF	*0.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0087		**Sticky Mats** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0088	EA	18" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	38.73	
		For 60 Layers Instead Of 30, Add	*25.58*	
01 56 16 00-0089	EA	18" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	44.42	
		For 60 Layers Instead Of 30, Add	*29.85*	
01 56 16 00-0090	EA	24" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	44.42	
		For 60 Layers Instead Of 30, Add	*29.85*	
01 56 16 00-0091	EA	25" x 45", 30 Layer Sticky Mat Note: Includes removal after use.	58.63	
		For 60 Layers Instead Of 30, Add	*40.51*	
01 56 16 00-0092	EA	36" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	64.32	
		For 60 Layers Instead Of 30, Add	*44.78*	
01 56 16 00-0093	EA	36" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	70.00	
		For 60 Layers Instead Of 30, Add	*49.04*	
01 56 16 00-0094	EA	36" x 60", 30 Layer Sticky Mat Note: Includes removal after use.	141.08	
		For 60 Layers Instead Of 30, Add	*102.35*	
01 56 16 00-0095	EA	36" x 72", 30 Layer Sticky Mat Note: Includes removal after use.	168.37	
01 56 16 00-0096	EA	18" x 36", 60 Layer Clean Mat With Frame	148.33	
01 56 16 00-0097	EA	24" x 36", 60 Layer Clean Mat With Frame	192.07	
01 56 16 00-0098	EA	18" x 36", 60 Layer Clean Mat Replacement Pads	106.68	
01 56 16 00-0099	EA	24" x 36", 60 Layer Clean Mat Replacement Pads	133.75	
01 56 16 00-0100		**Temporary Panel Assembly Rentals (Edge Guard)** *(01 56 16)*		
01 56 16 00-0101		**Barrier System Panels** *(01 56 16 00-0100)* Note: Panels are adjustable from 7'-8" to 10'-0" height and includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
01 56 16 00-0102	WK	4' Panel Assembly Rental (Edge Guard 4000)	84.74	
01 56 16 00-0103	MO	4' Panel Assembly Rental (Edge Guard 4000)	388.57	
01 56 16 00-0104	WK	3' Panel Assembly Rental (Edge Guard 4001)	79.89	
01 56 16 00-0105	MO	3' Panel Assembly Rental (Edge Guard 4001)	370.41	
01 56 16 00-0106	WK	2' Panel Assembly Rental (Edge Guard 4002)	62.95	
01 56 16 00-0107	MO	2' Panel Assembly Rental (Edge Guard 4002)	292.34	
01 56 16 00-0108	WK	2' Panel Assembly With HEPA Filtered Air Discharge Port Rental (Edge Guard 4002.1)	108.92	
01 56 16 00-0109	MO	2' Panel Assembly With HEPA Filtered Air Discharge Port Rental (Edge Guard 4002.1)	502.28	
01 56 16 00-0110	WK	4' Panel Assembly Rental With 44" Door (Edge Guard 4003)	168.26	
01 56 16 00-0111	MO	4' Panel Assembly Rental With 44" Door (Edge Guard 4003)	775.33	
01 56 16 00-0112	WK	Hinged Corner Assembly Rental (Edge Guard 4004)	29.05	
01 56 16 00-0113	MO	Hinged Corner Assembly Rental (Edge Guard 4004)	130.73	
01 56 16 00-0114	WK	6" Panel Assembly Rental (Edge Guard 4005)	59.41	
01 56 16 00-0115	MO	6" Panel Assembly Rental (Edge Guard 4005)	275.45	
01 56 16 00-0116	WK	12" Panel Assembly Rental (Edge Guard 4006)	44.79	
01 56 16 00-0117	MO	12" Panel Assembly Rental (Edge Guard 4006)	205.18	
01 56 16 00-0118	WK	Outside Corner Post Rental (Edge Guard 4007)	24.21	
01 56 16 00-0119	MO	Outside Corner Post Rental (Edge Guard 4007)	108.94	
01 56 16 00-0120	WK	52" Panel Assembly Rental With 48" Door (Edge Guard 4008)	459.08	
01 56 16 00-0121	MO	52" Panel Assembly Rental With 48" Door (Edge Guard 4008)	2,117.15	
01 56 16 00-0122	WK	T Post Rental (Edge Guard 4009)	24.21	
01 56 16 00-0123	MO	T Post Rental (Edge Guard 4009)	108.94	
01 56 16 00-0124	WK	36" Panel Assembly Rental With 32" Door (Edge Guard 4010)	232.24	
01 56 16 00-0125	MO	36" Panel Assembly Rental With 32" Door (Edge Guard 4010)	1,247.61	
01 56 16 00-0126		**Installation Of Barrier System Panels** *(01 56 16 00-0100)* Note: Includes removal after use.		
01 56 16 00-0127	LF	Installation Of Panel Assembly Rental (Edge Guard) Note: Includes panels and corners	74.12	

01 56 26 Temporary Fencing *(01 56)*

01 56 26 00-0001		**Temporary Fencing** *(01 56 26)* Note: Per ASTM A392-06 Standards		
01 56 26 00-0002		**Temporary Chain Link Fence** *(01 56 26 00-0001)* Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003		**Temporary Chain Link Fence, Up To 6 Months** *(01 56 26 00-0002)*		
01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	7.04	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.50*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	7.84	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.57*	
		For Each LF Shade Cloth, Add	*2.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	10.82	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.96*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	23.86	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.84*	
		For Each LF Shade Cloth, Add	*4.75*	

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

01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	7.38	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.55*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	8.21	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.62*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	11.45	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.05*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	25.75	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-2.09*	
		For >500, Deduct	*-3.13*	
		For Each LF Shade Cloth, Add	*4.75*	

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

01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	7.75	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.61*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	8.64	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.69*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	12.16	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.16*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	27.84	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-3.44*	
		For Each LF Shade Cloth, Add	*4.75*	

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

01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	8.15	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.67*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	9.06	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.75*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	12.92	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.27*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	30.12	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.78*	
		For Each LF Shade Cloth, Add	*4.75*	

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

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

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

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

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	282.45	
		For Each LF Shade Cloth, Add	*15.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	479.40	
		For Each LF Shade Cloth, Add	*39.79*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	536.94	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	611.09	
		For Each LF Shade Cloth, Add	*59.69*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	732.15	
		For Each LF Shade Cloth, Add	*79.58*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	814.75	
		For Each LF Shade Cloth, Add	*95.50*	
01 56 26 00-0032		**6' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)*		
01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	302.31	
		For Each LF Shade Cloth, Add	*25.37*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	517.56	
		For Each LF Shade Cloth, Add	*63.42*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	580.94	
		For Each LF Shade Cloth, Add	*76.10*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	672.97	
		For Each LF Shade Cloth, Add	*95.12*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	813.59	
		For Each LF Shade Cloth, Add	*126.83*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	922.79	
		For Each LF Shade Cloth, Add	*152.20*	
01 56 26 00-0039		**8' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)*		
01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	337.52	
		For Each LF Shade Cloth, Add	*35.81*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	592.88	
		For Shade Cloth, Add	*89.53*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	663.25	
		For Shade Cloth, Add	*107.43*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	759.11	
		For Shade Cloth, Add	*134.29*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	927.74	
		For Shade Cloth, Add	*179.06*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,075.99	
		For Shade Cloth, Add	*214.87*	
01 56 26 00-0046		**10' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)*		
01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	409.06	
		For Each LF Shade Cloth, Add	*47.25*	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	711.32	
		For Each LF Shade Cloth, Add	*118.13*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	797.33	
		For Each LF Shade Cloth, Add	*141.75*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	911.25	
		For Each LF Shade Cloth, Add	*177.19*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,113.95	
		For Each LF Shade Cloth, Add	*236.26*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,286.07	
		For Each LF Shade Cloth, Add	*283.51*	
01 56 26 00-0053		**Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0023)*		
01 56 26 00-0054		**4' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	293.11	
		For Each LF Shade Cloth, Add	*15.92*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	495.98	
		For Each LF Shade Cloth, Add	*39.79*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	555.88	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	632.41	
		For Each LF Shade Cloth, Add	*59.69*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	758.21	
		For Each LF Shade Cloth, Add	*79.58*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	843.17	
		For Each LF Shade Cloth, Add	*95.50*	
01 56 26 00-0061		**6' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	313.45	
		For Each LF Shade Cloth, Add	*25.37*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	534.89	
		For Each LF Shade Cloth, Add	*63.42*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	600.75	
		For Each LF Shade Cloth, Add	*76.10*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	695.26	
		For Each LF Shade Cloth, Add	*95.12*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	840.83	
		For Each LF Shade Cloth, Add	*126.83*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	952.50	
		For Each LF Shade Cloth, Add	*152.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0068		**8' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	349.77	
		For Each LF Shade Cloth, Add	*35.81*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	611.95	
		For Shade Cloth, Add	*89.53*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	685.04	
		For Shade Cloth, Add	*107.43*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	783.63	
		For Shade Cloth, Add	*134.29*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	957.71	
		For Shade Cloth, Add	*179.06*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,108.67	
		For Shade Cloth, Add	*214.87*	
01 56 26 00-0075		**10' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	424.38	
		For Each LF Shade Cloth, Add	*47.25*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	735.15	
		For Each LF Shade Cloth, Add	*118.13*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	824.57	
		For Each LF Shade Cloth, Add	*141.75*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	941.90	
		For Each LF Shade Cloth, Add	*177.19*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,151.40	
		For Each LF Shade Cloth, Add	*236.26*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,326.93	
		For Each LF Shade Cloth, Add	*283.51*	
01 56 26 00-0082		**Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0023)*		
01 56 26 00-0083		**4' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	304.30	
		For Each LF Shade Cloth, Add	*15.92*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	513.39	
		For Each LF Shade Cloth, Add	*39.79*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	575.78	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	654.79	
		For Each LF Shade Cloth, Add	*59.69*	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	785.56	
		For Each LF Shade Cloth, Add	*79.58*	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	873.01	
		For Each LF Shade Cloth, Add	*95.50*	
01 56 26 00-0090		**6' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	325.15	
		For Each LF Shade Cloth, Add	*25.37*	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	553.09	
		For Each LF Shade Cloth, Add	*63.42*	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	621.55	
		For Each LF Shade Cloth, Add	*76.10*	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	718.66	
		For Each LF Shade Cloth, Add	*95.12*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	869.43	
		For Each LF Shade Cloth, Add	*126.83*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	983.70	
		For Each LF Shade Cloth, Add	*152.20*	
01 56 26 00-0097		**8' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	362.64	
		For Each LF Shade Cloth, Add	*35.81*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	631.97	
		For Shade Cloth, Add	*89.53*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	707.92	
		For Shade Cloth, Add	*107.43*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	809.37	
		For Shade Cloth, Add	*134.29*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	989.16	
		For Shade Cloth, Add	*179.06*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,142.99	
		For Shade Cloth, Add	*214.87*	
01 56 26 00-0104		**10' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	440.47	
		For Each LF Shade Cloth, Add	*47.25*	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	760.17	
		For Each LF Shade Cloth, Add	*118.13*	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	853.17	
		For Each LF Shade Cloth, Add	*141.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	974.07	
		For Each LF Shade Cloth, Add	*177.19*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,190.73	
		For Each LF Shade Cloth, Add	*236.26*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,369.83	
		For Each LF Shade Cloth, Add	*283.51*	

01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*

01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	315.49	
		For Each LF Shade Cloth, Add	*15.92*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	530.80	
		For Each LF Shade Cloth, Add	*39.79*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	595.67	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	677.17	
		For Each LF Shade Cloth, Add	*59.69*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	812.92	
		For Each LF Shade Cloth, Add	*79.58*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	902.86	
		For Each LF Shade Cloth, Add	*95.50*	

01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	336.85	
		For Each LF Shade Cloth, Add	*25.37*	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	571.29	
		For Each LF Shade Cloth, Add	*63.42*	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	642.35	
		For Each LF Shade Cloth, Add	*76.10*	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	742.06	
		For Each LF Shade Cloth, Add	*95.12*	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	898.03	
		For Each LF Shade Cloth, Add	*126.83*	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,014.90	
		For Each LF Shade Cloth, Add	*152.20*	

01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	375.51	
		For Each LF Shade Cloth, Add	*35.81*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	651.99	
		For Shade Cloth, Add	*89.53*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	730.80	
		For Shade Cloth, Add	*107.43*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	835.11	
		For Shade Cloth, Add	*134.29*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,020.62	
		For Shade Cloth, Add	*179.06*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,177.31	
		For Shade Cloth, Add	*214.87*	

01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	456.56	
		For Each LF Shade Cloth, Add	*47.25*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	785.20	
		For Each LF Shade Cloth, Add	*118.13*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	881.77	
		For Each LF Shade Cloth, Add	*141.75*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,006.24	
		For Each LF Shade Cloth, Add	*177.19*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,230.05	
		For Each LF Shade Cloth, Add	*236.26*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,412.73	
		For Each LF Shade Cloth, Add	*283.51*	

01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*

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

01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*

01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	7.69	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	8.55	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.67*	
		For Each LF Shade Cloth, Add	*2.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	11.68	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.09*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months *(01 56 26 00-0140)*

01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.04	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.65*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.92	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.73*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	12.30	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.18*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months *(01 56 26 00-0140)*

01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.38	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.70*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.35	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.79*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	13.02	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.29*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	8.81	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.77*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	9.78	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.86*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	13.76	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.40*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*

01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	6.97	

01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels *(01 56 26 00-0001)*

Note: Excludes auguring/drilling for posts.

01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site *(01 56 26 00-0159)*

01 56 26 00-0161	LF	Relocate Temporary 4' High Chain Link Fence And Posts	3.97	
01 56 26 00-0162	LF	Relocate Temporary 6' High Chain Link Fence And Posts	5.96	
01 56 26 00-0163	LF	Relocate Temporary 8' High Chain Link Fence And Posts	8.60	
01 56 26 00-0164	LF	Relocate Temporary 10' High Chain Link Fence And Posts	10.58	

01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site *(01 56 26 00-0159)*

01 56 26 00-0166	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.92	
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.10	
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.24	

01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site *(01 56 26 00-0159)*

01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	120.08	
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	138.56	
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	170.89	
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	184.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0174		**Temporary Safety Fence** *(01 56 26)* Note: Includes removal after use.		
01 56 26 00-0175	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.58	
01 56 29		**Temporary Protective Walkways** *(01 56)*		
01 56 29 00-0001		**Temporary Sidewalk Bridge Protection** *(01 56 29)*		
01 56 29 00-0002		**Installation of Sidewalk Bridge** *(01 56 29 00-0001)* Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.		
01 56 29 00-0003	LF	Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	194.56	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	4.95	
01 56 29 00-0005		**Monthly Rental of Sidewalk Bridge** *(01 56 29 00-0001)* Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		
01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	15.49	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.32*	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	17.45	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.62*	
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	19.38	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.91*	
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	19.38	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.91*	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	21.30	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.20*	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	25.21	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.78*	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	23.28	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.49*	
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	27.15	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.07*	
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	29.05	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.36*	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	2.90	
01 56 29 00-0016		**Removal of Sidewalk Bridge** *(01 56 29 00-0001)*		
01 56 29 00-0017	LF	Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	40.50	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge	1.38	
01 56 29 00-0019		**Temporary Safety Nets** *(01 56 29)* Note: Includes removal after use.		
01 56 29 00-0020	SF	Small Mesh Debris Netting	2.90	
		Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33		**Temporary Security Barriers** *(01 56)*		
01 56 33 00-0001		**Board-up Opening With Plywood** *(01 56 33)* Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPNG	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	13.86	
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	8.86	
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	10.25	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 33 00-0005		Temporary Pedestrian Barricade *(01 56 33)* Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	14.47	
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	35.15	
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	105.44	
01 56 39		**Temporary Tree and Plant Protection** *(01 56)*		
01 56 39 00-0001		Temporary Tree Guards *(01 56 39)* Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	203.64	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	242.10	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	263.26	

01 57 Temporary Controls *(01 50)*

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

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

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

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

01 57 23 00-0001		Temporary Drain Guard *(01 57 23)* Note: Includes removal after use.		
01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	112.18	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.	110.06	
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.	140.01	
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.	137.86	
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.	169.97	

01 58 Project Identification *(01 50)*

Note: Includes removal after use.

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

01 58 13 00-0001		Project Sign *(01 58 13)*		
01 58 13 00-0002		MDO Plywood Signs *(01 58 13 00-0001)* Note: Excludes posts.		
01 58 13 00-0003		Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*		
01 58 13 00-0004		Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*		
01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	162.25	25.41
		For High-Intensity Grade, Add	*39.00*	
		For Diamond Grade, Add	*75.22*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	275.99	26.56
		For High-Intensity Grade, Add	*78.00*	
		For Diamond Grade, Add	*150.44*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	389.74	27.71
		For High-Intensity Grade, Add	*117.01*	
		For Diamond Grade, Add	*225.66*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	503.48	28.87
		For High-Intensity Grade, Add	*156.01*	
		For Diamond Grade, Add	*300.87*	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	15.78	0.92
		For High-Intensity Grade, Add	*4.88*	
		For Diamond Grade, Add	*9.40*	
01 58 13 00-0010		Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*		
01 58 13 00-0011		One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	208.87	25.41
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	248.91	26.56
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	311.38	27.71
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	370.38	28.87
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	11.62	0.92
01 58 13 00-0017		Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	213.32	25.41
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	272.90	26.56
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	335.76	27.71
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	391.27	28.87
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.27	0.92

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0023		Fabricate And Install New Posts *(01 58 13 00-0001)* Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	19.23	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	14.85	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	17.84	
01 58 13 00-0027		Owner Supplied Signs *(01 58 13 00-0001)*		
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	92.38	

01 60 Product Requirements *(01)*

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

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

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

01 66 19 00-0001		Transfer Delivered Materials Between Floors *(01 66 19)* Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor Note: Quantity equals volume of materials multiplied by number of floors traveled.	17.77	
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	11.55	
01 66 19 00-0004	CY	Transfer Delivered Material Between Floors Via Freight Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	16.82	
01 66 19 00-0005		Transfer Delivered Materials Distances Greater Than 125' *(01 66 19)* Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0006	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	7.21	
01 66 19 00-0007	CY	Transfer Delivered Material With 2 CY Cart Greater Than 125', Per CY Of Material Per 125' Note: For delivery, demo or miscellaneous moving required by owner. Includes wrapping of cart and two person for movement.	14.44	
01 66 19 00-0008		Transfer Demolition Debris Between Floors *(01 66 19)* Note: Only for use with demolition tasks.		
01 66 19 00-0009	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor Note: Quantity equals material volume times bulk factor times number of floors traveled.	17.77	
01 66 19 00-0010	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	11.55	
01 66 19 00-0011	CY	Rubbish Handling Via Freight Elevator, Per CY Of Material Per Trip	15.15	
01 66 19 00-0012		Transfer Demolition Debris Distances Greater Than 125' *(01 66 19)* Note: Only for use with demolition tasks.		
01 66 19 00-0013	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	7.21	
01 66 19 00-0014		Moving Furniture And Furnishings *(01 66 19)* Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0015	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.15	

01 70 Execution and Closeout Requirements *(01)*

01 71 Examination and Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001		Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)* Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.		
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	492.62	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,536.72	
01 71 13 00-0004		Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)* Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane	525.45	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*131.36*	
		For >60 To 100 Miles Radius, Add	*210.18*	
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane	853.86	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*213.47*	
		For >60 To 100 Miles Radius, Add	*341.54*	
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane	1,182.27	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*295.57*	
		For >60 To 100 Miles Radius, Add	*472.91*	
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane	1,904.76	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*476.19*	
		For >60 To 100 Miles Radius, Add	*761.90*	
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane	2,390.81	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*597.70*	
		For >60 To 100 Miles Radius, Add	*956.32*	
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane	2,975.37	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*743.84*	
		For >60 To 100 Miles Radius, Add	*1,190.15*	
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane	3,428.57	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*857.14*	
		For >60 To 100 Miles Radius, Add	*1,371.43*	
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane	3,835.80	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*958.95*	
		For >60 To 100 Miles Radius, Add	*1,534.32*	
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	2,036.13	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*509.03*	
		For >60 To 100 Miles Radius, Add	*814.45*	
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	3,218.40	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*804.60*	
		For >60 To 100 Miles Radius, Add	*1,287.36*	
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	4,072.25	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*1,018.06*	
		For >60 To 100 Miles Radius, Add	*1,628.90*	
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	5,057.47	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*1,264.37*	
		For >60 To 100 Miles Radius, Add	*2,022.99*	
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	6,305.43	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*1,576.36*	
		For >60 To 100 Miles Radius, Add	*2,522.17*	
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	7,356.33	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*1,839.08*	
		For >60 To 100 Miles Radius, Add	*2,942.53*	
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	10,509.04	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*2,627.26*	
		For >60 To 100 Miles Radius, Add	*4,203.62*	
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	14,410.52	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*3,602.63*	
		For >60 To 100 Miles Radius, Add	*5,764.21*	

01 71 23 Field Engineering *(01 71)*

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

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

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

01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles	1,314.98
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	3,671.65
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings)	5,274.55
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings)	7,916.54
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings)	9,905.61

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

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

01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	2.91
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	3.36
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	3.94

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

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0012	EA	3' Precast Survey Monument	207.63	
		For Owner Furnished Monument, Deduct	*-82.09*	
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover	311.10	
01 71 23 16-0014	EA	Riser Ring For Survey Monument	160.64	
01 71 23 16-0015	EA	Adjust Survey Monument Cover To Grade	246.26	

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

01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	8.00	

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

01 71 36 00-0001 Electromagnetic Survey *(01 71 36)*

Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey *(01 71 36 00-0001)*

01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,161.90	
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,742.85	
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	3,485.70	

01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys *(01 71 36 00-0001)*

01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	387.30	
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	774.60	
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	1,742.85	

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

01 74 13 Progress Cleaning *(01 74)*

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

01 74 13 00-0001 General *(01 74 13)*

01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	23.12	
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	27.07	
01 74 13 00-0004	CSF	Wet Mop, Disinfect And High Efficiency Particulate Air (HEPA) Vacuum Floors (Three Step Process) Note: For use in contained areas for Class III or IV infection control.	21.65	

01 74 16 Site Maintenance *(01 74)*

01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance *(01 74 16)*

Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.

01 74 16 00-0002 Parking Lot, Road, And Street Sweeping *(01 74 16 00-0001)*

01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	24.46	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	29.37	

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

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

01 74 19 00-0001 Debris Chutes *(01 74 19)*

Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 Steel Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	44.30	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	67.08	

01 74 19 00-0005 Plastic Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	17.53	
		For Steel Liner, Add		*3.43*
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	20.10	
		For Steel Liner, Add		*3.94*
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	22.66	
		For Steel Liner, Add		*4.45*

01 74 19 00-0009 Wood Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute Note: Includes fabrication and installation.	34.47	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0011		**Construction Dumpsters Rental** *(01 74 19)* Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA	10 CY Dumpster (1 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	534.09	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	596.85	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	617.85	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	745.13	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0016	EA	40 CY Dumpster (6 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	896.35	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	786.23	
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	857.94	
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	921.96	
01 74 19 00-0020		**Concrete Washout Service** *(01 74 19)*		
01 74 19 00-0021	MO	Rampless Concrete Washout Bin Note: Includes delivery.	531.71	
01 74 19 00-0022	MO	Ramped Concrete Washout Bin Note: Includes delivery.	638.06	
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	640.17	
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,387.04	
01 74 19 00-0025		**Debris Processing Fee** *(01 74 19)*		
01 74 19 00-0026		**Material Recycling Fees** *(01 74 19 00-0025)* Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0027	CY	Drop-Off Asphalt At Recycling Center	18.24	
01 74 19 00-0028	CY	Drop-Off Non-Reinforced Concrete At Recycling Center	24.44	
01 74 19 00-0029	CY	Drop-Off Reinforced Concrete At Recycling Center	36.66	
01 74 19 00-0030	CY	Drop-Off Brick Or Block At Recycling Center	31.77	
01 74 19 00-0031	CY	Drop-Off Dirt At Recycling Center	35.44	
01 74 19 00-0032	CY	Drop-Off Dimensional Lumber At Recycling Center	17.11	
01 74 19 00-0033		**Landfill Dump Fees** *(01 74 19 00-0025)* Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.		
01 74 19 00-0034	CY	Traditional Building Construction Materials Landfill Dump Fee	16.26	
01 74 19 00-0035	TON	Traditional Building Construction Materials, Landfill Dump Fee	70.88	
01 74 19 00-0036	CY	Trees, Stumps And Brush, Landfill Dump Fee	19.58	
01 74 19 00-0037	CY	Hazardous Materials And Rubbish Landfill Dump Fee Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	46.68	
01 74 19 00-0038	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	33.17	
01 74 19 00-0039		**Hauling** *(01 74 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0040	CYM	Hauling On Paved Roads, First 15 Miles	1.02	
01 74 19 00-0041	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.68	
01 74 19 00-0042	CYM	Hauling On Unimproved Roads, First 15 Miles	1.57	
01 74 19 00-0043	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	1.23	
01 74 23		**Final Cleaning** *(01 74)*		
01 74 23 00-0001		**Cleaning Of Glass** *(01 74 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	31.57	

01 90 Life Cycle Activities *(01)*

01 91 Commissioning *(01 90)*

01 91 13 General Commissioning Requirements *(01 91)*

01 91 13 00-0001 Commissioning Of Systems *(01 91 13)*

Note: For use with commissioning of mechanical and electrical systems.

01 91 13 00-0002	HR	Commissioning - Fire Protection Sprinkler Systems	190.69
01 91 13 00-0003	HR	Commissioning - Plumbing Systems	256.65
01 91 13 00-0004	HR	Commissioning - HVAC/Mechanical Systems	288.73
01 91 13 00-0005	HR	Commissioning - Electrical/Fire Alarms/Security Systems	257.78

END OF SECTION 01

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

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

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

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

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

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

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

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

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

02 32 13 00-0002	EA	Mobilization Of Drilling Crew	1,232.71

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

02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	37.12

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

Note: All types of soils.

02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples	96.78
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples	165.53

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

02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing Note: Includes sampling.	102.15
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes	9.73

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

02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing Note: Includes sampling.	132.14
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes	11.19

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

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

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

02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	74.15
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	86.50
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	115.34

02 32 13 00-0019 Shelby Tube Sampling *(02 32 13)*

02 32 13 00-0020	EA	Shelby Tube Sampling	55.95
02 32 13 00-0021	EA	Penetration Test	45.59

02 32 13 00-0022 Grouting *(02 32 13)*

02 32 13 00-0023	VLF	Boreholes	10.61

02 32 19 Exploratory Excavations *(02 32)*

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

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1389 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0033 for off-site disposal fee of material, 01 74 19 00-0039 for hauling excavated soil from site.

02 32 19 00-0002	EA	Hydro Excavation, Minimum Charge Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,646.35
02 32 19 00-0003	EA	600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water.	940.77
02 32 19 00-0004	EA	1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water	1,175.97
02 32 19 00-0005	EA	Move And Reset Up At Different Access/Location, Hydro Excavation	117.60
02 32 19 00-0006	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) Note: Normal soil conditions consist of silt, sand and gravel.	98.08
02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) Note: Adverse soil conditions consist of clay, glacial till and rocks.	156.88

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 40 Demolition and Structure Moving (02)

02 41 Demolition (02 40)

02 41 13 Selective Site Demolition (02 41)

02 41 13 13 Paving Removal (02 41 13)

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

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

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.79	
		For >500 To 1,000, Deduct		*-0.78*
		For >1,000 To 2,500, Deduct		*-1.40*
		For >2,500 To 5,000, Deduct		*-2.03*
		For >5,000 To 10,000, Deduct		*-2.65*
		For >10,000, Deduct		*-3.27*
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	11.68	
		For >500 To 1,000, Deduct		*-1.17*
		For >1,000 To 2,500, Deduct		*-2.10*
		For >2,500 To 5,000, Deduct		*-3.04*
		For >5,000 To 10,000, Deduct		*-3.97*
		For >10,000, Deduct		*-4.91*
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	15.58	
		For >500 To 1,000, Deduct		*-1.56*
		For >1,000 To 2,500, Deduct		*-2.80*
		For >2,500 To 5,000, Deduct		*-4.05*
		For >5,000 To 10,000, Deduct		*-5.30*
		For >10,000, Deduct		*-6.54*
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	14.87	
		For >500 To 1,000, Deduct		*-1.49*
		For >1,000 To 2,500, Deduct		*-2.68*
		For >2,500 To 5,000, Deduct		*-3.87*
		For >5,000 To 10,000, Deduct		*-5.06*
		For >10,000, Deduct		*-6.25*
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	20.99	
		For >500 To 1,000, Deduct		*-2.10*
		For >1,000 To 2,500, Deduct		*-3.78*
		For >2,500 To 5,000, Deduct		*-5.46*
		For >5,000 To 10,000, Deduct		*-7.14*
		For >10,000, Deduct		*-8.82*
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	29.74	
		For >500 To 1,000, Deduct		*-2.97*
		For >1,000 To 2,500, Deduct		*-5.35*
		For >2,500 To 5,000, Deduct		*-7.73*
		For >5,000 To 10,000, Deduct		*-10.11*
		For >10,000, Deduct		*-12.49*
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	41.98	
		For >500 To 1,000, Deduct		*-4.20*
		For >1,000 To 2,500, Deduct		*-7.56*
		For >2,500 To 5,000, Deduct		*-10.91*
		For >5,000 To 10,000, Deduct		*-14.27*
		For >10,000, Deduct		*-17.63*
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	54.90	
		For >500 To 1,000, Deduct		*-5.49*
		For >1,000 To 2,500, Deduct		*-9.88*
		For >2,500 To 5,000, Deduct		*-14.27*
		For >5,000 To 10,000, Deduct		*-18.67*
		For >10,000, Deduct		*-23.06*
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	71.37	
		For >500 To 1,000, Deduct		*-7.14*
		For >1,000 To 2,500, Deduct		*-12.85*
		For >2,500 To 5,000, Deduct		*-18.56*
		For >5,000 To 10,000, Deduct		*-24.27*
		For >10,000, Deduct		*-29.98*

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

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

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.90
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.40
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.19
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.38
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.02
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	3.98

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0018		By Machine, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*		
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	16.60	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add		*4.98*
		For Elevated Slab, Add		*8.30*
		For >500 To 1,000, Deduct		*-1.66*
		For >1,000 To 2,500, Deduct		*-2.99*
		For >2,500 To 5,000, Deduct		*-4.32*
		For >5,000 To 10,000, Deduct		*-5.64*
		For >10,000, Deduct		*-6.97*
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	22.65	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add		*6.80*
		For Elevated Slab, Add		*11.33*
		For >500 To 1,000, Deduct		*-2.27*
		For >1,000 To 2,500, Deduct		*-4.08*
		For >2,500 To 5,000, Deduct		*-5.89*
		For >5,000 To 10,000, Deduct		*-7.70*
		For >10,000, Deduct		*-9.51*
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving	31.44	
		For Elevated Slab, Add		*15.72*
		For >500 To 1,000, Deduct		*-3.14*
		For >1,000 To 2,500, Deduct		*-5.66*
		For >2,500 To 5,000, Deduct		*-8.17*
		For >5,000 To 10,000, Deduct		*-10.69*
		For >10,000, Deduct		*-13.20*
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving	41.02	
		For Elevated Slab, Add		*20.51*
		For >500 To 1,000, Deduct		*-4.10*
		For >1,000 To 2,500, Deduct		*-7.38*
		For >2,500 To 5,000, Deduct		*-10.67*
		For >5,000 To 10,000, Deduct		*-13.95*
		For >10,000, Deduct		*-17.23*
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving	57.10	
		For Elevated Slab, Add		*28.55*
		For >500 To 1,000, Deduct		*-5.71*
		For >1,000 To 2,500, Deduct		*-10.28*
		For >2,500 To 5,000, Deduct		*-14.85*
		For >5,000 To 10,000, Deduct		*-19.41*
		For >10,000, Deduct		*-23.98*
02 41 13 13-0024	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	19.09	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add		*5.73*
		For Elevated Slab, Add		*9.55*
		For >500 To 1,000, Deduct		*-1.91*
		For >1,000 To 2,500, Deduct		*-3.44*
		For >2,500 To 5,000, Deduct		*-4.96*
		For >5,000 To 10,000, Deduct		*-6.49*
		For >10,000, Deduct		*-8.02*
02 41 13 13-0025	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	24.98	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add		*7.49*
		For Elevated Slab, Add		*12.49*
		For >500 To 1,000, Deduct		*-2.50*
		For >1,000 To 2,500, Deduct		*-4.50*
		For >2,500 To 5,000, Deduct		*-6.49*
		For >5,000 To 10,000, Deduct		*-8.49*
		For >10,000, Deduct		*-10.49*
02 41 13 13-0026	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	44.61	
		For Elevated Slab, Add		*22.31*
		For >500 To 1,000, Deduct		*-4.46*
		For >1,000 To 2,500, Deduct		*-8.03*
		For >2,500 To 5,000, Deduct		*-11.60*
		For >5,000 To 10,000, Deduct		*-15.17*
		For >10,000, Deduct		*-18.74*
02 41 13 13-0027	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	58.28	
		For Elevated Slab, Add		*29.14*
		For >500 To 1,000, Deduct		*-5.83*
		For >1,000 To 2,500, Deduct		*-10.49*
		For >2,500 To 5,000, Deduct		*-15.15*
		For >5,000 To 10,000, Deduct		*-19.82*
		For >10,000, Deduct		*-24.48*
02 41 13 13-0028	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	25.34	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add		*7.60*
		For Elevated Slab, Add		*12.67*
		For >500 To 1,000, Deduct		*-2.53*
		For >1,000 To 2,500, Deduct		*-4.56*
		For >2,500 To 5,000, Deduct		*-6.59*
		For >5,000 To 10,000, Deduct		*-8.62*
		For >10,000, Deduct		*-10.64*
02 41 13 13-0029	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	32.83	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add		*9.85*
		For Elevated Slab, Add		*16.42*
		For >500 To 1,000, Deduct		*-3.28*
		For >1,000 To 2,500, Deduct		*-5.91*
		For >2,500 To 5,000, Deduct		*-8.54*
		For >5,000 To 10,000, Deduct		*-11.16*
		For >10,000, Deduct		*-13.79*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0030	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	54.43	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*16.33*	
		For Elevated Slab, Add	*27.22*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000 To 2,500, Deduct	*-9.80*	
		For >2,500 To 5,000, Deduct	*-14.15*	
		For >5,000 To 10,000, Deduct	*-18.51*	
		For >10,000, Deduct	*-22.86*	
02 41 13 13-0031	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	27.47	
		For Elevated Slab, Add	*13.74*	
		For >500 To 1,000, Deduct	*-2.75*	
		For >1,000 To 2,500, Deduct	*-4.94*	
		For >2,500 To 5,000, Deduct	*-7.14*	
		For >5,000 To 10,000, Deduct	*-9.34*	
		For >10,000, Deduct	*-11.54*	
02 41 13 13-0032	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	35.33	
		For Elevated Slab, Add	*17.67*	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000 To 2,500, Deduct	*-6.36*	
		For >2,500 To 5,000, Deduct	*-9.19*	
		For >5,000 To 10,000, Deduct	*-12.01*	
		For >10,000, Deduct	*-14.84*	
02 41 13 13-0033	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	63.17	
		For Elevated Slab, Add	*31.59*	
		For >500 To 1,000, Deduct	*-6.32*	
		For >1,000 To 2,500, Deduct	*-11.37*	
		For >2,500 To 5,000, Deduct	*-16.42*	
		For >5,000 To 10,000, Deduct	*-21.48*	
		For >10,000, Deduct	*-26.53*	
02 41 13 13-0034	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	82.43	
		For Elevated Slab, Add	*41.22*	
		For >500 To 1,000, Deduct	*-8.24*	
		For >1,000 To 2,500, Deduct	*-14.84*	
		For >2,500 To 5,000, Deduct	*-21.43*	
		For >5,000 To 10,000, Deduct	*-28.03*	
		For >10,000, Deduct	*-34.62*	
02 41 13 13-0035	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	107.78	
		For Elevated Slab, Add	*53.89*	
		For >500 To 1,000, Deduct	*-10.78*	
		For >1,000 To 2,500, Deduct	*-19.40*	
		For >2,500 To 5,000, Deduct	*-28.02*	
		For >5,000 To 10,000, Deduct	*-36.65*	
		For >10,000, Deduct	*-45.27*	
02 41 13 13-0036	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	130.79	
		For Elevated Slab, Add	*65.40*	
		For >500 To 1,000, Deduct	*-13.08*	
		For >1,000 To 2,500, Deduct	*-23.54*	
		For >2,500 To 5,000, Deduct	*-34.01*	
		For >5,000 To 10,000, Deduct	*-44.47*	
		For >10,000, Deduct	*-54.93*	

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

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

02 41 13 13-0038	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	4.23
02 41 13 13-0039	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	5.58
02 41 13 13-0040	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	7.24
02 41 13 13-0041	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving	5.29
02 41 13 13-0042	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving	7.31
02 41 13 13-0043	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving	9.37
02 41 13 13-0044	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	7.42
02 41 13 13-0045	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	10.23
02 41 13 13-0046	SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	13.11

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

02 41 13 13-0048	EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard) Note: For each location up to 5' wide, feather up to 12" each direction.	265.61	
		For >1/2" To 1" Depth Of Grinding, Add	*39.84*	
		For >1" To 1-1/2" Depth Of Grinding, Add	*66.40*	
		For Up To 5, Add	*53.12*	
		For >5 To 10, Add	*26.56*	
		For >25 To 50, Deduct	*-26.56*	
		For >50 To 250, Deduct	*-39.84*	
		For >250, Deduct	*-53.12*	
		For Sidewalks >5', Add	*26.56*	
		For Up To 12" Additional Feathering Per Side, Add	*26.56*	

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

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

Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002	SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	8.25
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	10.30
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	13.79

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		27.45

02 41 16 Structure Demolition *(02 41)*

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

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

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

02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		8.24
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		12.46
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		10.20
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		9.06

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

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

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

Note: Includes masonry partitions and concrete decks.

02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition		77.58
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-5.82*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-11.64*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-17.46*
		For Up To 500, Add		*23.27*
		For >500 To 1,000, Add		*15.52*
		For >1,000 To 2,000, Add		*7.76*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*25.60*
		For No Interior Partitions, Deduct		*-19.40*
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition		49.02
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.68*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-7.35*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-11.03*
		For Up To 500, Add		*14.71*
		For >500 To 1,000, Add		*9.80*
		For >1,000 To 2,000, Add		*4.90*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*7.35*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*12.26*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*17.16*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*16.18*
		For No Interior Partitions, Deduct		*-12.26*

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

02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition		97.36
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-7.30*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-14.60*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-21.91*
		For Up To 500, Add		*29.21*
		For >500 To 1,000, Add		*19.47*
		For >1,000 To 2,000, Add		*9.74*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*32.13*
		For No Interior Partitions, Deduct		*-24.34*
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition		64.72
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.85*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-9.71*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-14.56*
		For Up To 500, Add		*19.42*
		For >500 To 1,000, Add		*12.94*
		For >1,000 To 2,000, Add		*6.47*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*9.71*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*16.18*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*22.65*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*21.36*
		For No Interior Partitions, Deduct		*-16.18*

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

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition		82.89
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-6.22*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-12.43*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-18.65*
		For Up To 500, Add		*24.87*
		For >500 To 1,000, Add		*16.58*
		For >1,000 To 2,000, Add		*8.29*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*27.35*
		For No Interior Partitions, Deduct		*-20.72*
02 41 16 13-0015	CCF	By Machine, Reinforced Block Masonry Building Demolition		54.35
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.08*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-8.15*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-12.23*
		For Up To 500, Add		*16.31*
		For >500 To 1,000, Add		*10.87*
		For >1,000 To 2,000, Add		*5.44*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*8.15*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*13.59*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*19.02*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*17.94*
		For No Interior Partitions, Deduct		*-13.59*

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

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition		68.42
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-5.13*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-10.26*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-15.39*
		For Up To 500, Add		*20.53*
		For >500 To 1,000, Add		*13.68*
		For >1,000 To 2,000, Add		*6.84*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*22.58*
		For No Interior Partitions, Deduct		*-17.11*
02 41 16 13-0018	CCF	By Machine, Masonry Construction Building Demolition		43.98
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.30*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-6.60*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-9.90*
		For Up To 500, Add		*13.19*
		For >500 To 1,000, Add		*8.80*
		For >1,000 To 2,000, Add		*4.40*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*6.60*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*11.00*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*15.39*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*14.51*
		For No Interior Partitions, Deduct		*-11.00*

02 41 16 13-0019 Wood Frame Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0020	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition		59.46
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.46*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-8.92*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-13.38*
		For Up To 500, Add		*17.84*
		For >500 To 1,000, Add		*11.89*
		For >1,000 To 2,000, Add		*5.95*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*19.62*
		For No Interior Partitions, Deduct		*-14.87*
02 41 16 13-0021	CCF	By Machine, Wood Frame Construction Building Demolition		37.64
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-2.82*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-5.65*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-8.47*
		For Up To 500, Add		*11.29*
		For >500 To 1,000, Add		*7.53*
		For >1,000 To 2,000, Add		*3.76*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*5.65*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*12.42*
		For No Interior Partitions, Deduct		*-9.41*

02 41 16 13-0022 Sorting Of Material Debris For Recycling Prior To Hauling Off *(02 41 16 13-0006)*

Note: Per building volume.

02 41 16 13-0023	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off		10.15
		For Up To 500, Add		*3.05*
		For >500 To 1,000, Add		*2.03*
		For >1,000 To 2,000, Add		*1.02*

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

Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.

02 41 16 13-0025 Concrete Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0026	CF	Non-Reinforced Concrete Foundation Demolition		16.02
		For >135 To 405, Deduct		*-1.40*
		For >405 To 810, Deduct		*-2.80*
		For >810 To 2025, Deduct		*-4.01*
		For >2025, Deduct		*-6.41*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0027	CF	Reinforced Concrete Foundation Demolition	19.23	
		For >135 To 405, Deduct	*-1.68*	
		For >405 To 810, Deduct	*-3.37*	
		For >810 To 2025, Deduct	*-4.81*	
		For >2025, Deduct	*-7.69*	

02 41 16 13-0028 Concrete Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0029	SF	4" Thick Non-Reinforced Concrete Foundation Wall Demolition	6.87	
		For >500 To 2,000, Deduct	*-0.52*	
		For >2,000 To 6,000, Deduct	*-1.37*	
		For >6,000 To 8,000, Deduct	*-2.40*	
		For >8,000, Deduct	*-3.78*	
02 41 16 13-0030	SF	6" Thick Non-Reinforced Concrete Foundation Wall Demolition	9.16	
		For >500 To 2,000, Deduct	*-0.69*	
		For >2,000 To 6,000, Deduct	*-1.83*	
		For >6,000 To 8,000, Deduct	*-3.21*	
		For >8,000, Deduct	*-5.04*	
02 41 16 13-0031	SF	8" Thick Non-Reinforced Concrete Foundation Wall Demolition	11.44	
		For >500 To 2,000, Deduct	*-0.86*	
		For >2,000 To 6,000, Deduct	*-2.29*	
		For >6,000 To 8,000, Deduct	*-4.00*	
		For >8,000, Deduct	*-6.29*	
02 41 16 13-0032	SF	10" Thick Non-Reinforced Concrete Foundation Wall Demolition	13.73	
		For >500 To 2,000, Deduct	*-1.03*	
		For >2,000 To 6,000, Deduct	*-2.75*	
		For >6,000 To 8,000, Deduct	*-4.81*	
		For >8,000, Deduct	*-7.55*	
02 41 16 13-0033	SF	12" Thick Non-Reinforced Concrete Foundation Wall Demolition	16.02	
		For >500 To 2,000, Deduct	*-1.20*	
		For >2,000 To 6,000, Deduct	*-3.20*	
		For >6,000 To 8,000, Deduct	*-5.61*	
		For >8,000, Deduct	*-8.81*	
02 41 16 13-0034	SF	16" Thick Non-Reinforced Concrete Foundation Wall Demolition	18.31	
		For >500 To 2,000, Deduct	*-1.37*	
		For >2,000 To 6,000, Deduct	*-3.66*	
		For >6,000 To 8,000, Deduct	*-6.41*	
		For >8,000, Deduct	*-10.07*	
02 41 16 13-0035	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	8.24	
		For >500 To 2,000, Deduct	*-0.62*	
		For >2,000 To 6,000, Deduct	*-1.65*	
		For >6,000 To 8,000, Deduct	*-2.88*	
		For >8,000, Deduct	*-4.53*	
02 41 16 13-0036	SF	6" Thick Reinforced Concrete Foundation Wall Demolition	10.99	
		For >500 To 2,000, Deduct	*-0.82*	
		For >2,000 To 6,000, Deduct	*-2.20*	
		For >6,000 To 8,000, Deduct	*-3.85*	
		For >8,000, Deduct	*-6.04*	
02 41 16 13-0037	SF	8" Thick Reinforced Concrete Foundation Wall Demolition	13.73	
		For >500 To 2,000, Deduct	*-1.03*	
		For >2,000 To 6,000, Deduct	*-2.75*	
		For >6,000 To 8,000, Deduct	*-4.81*	
		For >8,000, Deduct	*-7.55*	
02 41 16 13-0038	SF	10" Thick Reinforced Concrete Foundation Wall Demolition	16.25	
		For >500 To 2,000, Deduct	*-1.22*	
		For >2,000 To 6,000, Deduct	*-3.25*	
		For >6,000 To 8,000, Deduct	*-5.69*	
		For >8,000, Deduct	*-8.94*	
02 41 16 13-0039	SF	12" Thick Reinforced Concrete Foundation Wall Demolition	19.23	
		For >500 To 2,000, Deduct	*-1.44*	
		For >2,000 To 6,000, Deduct	*-3.85*	
		For >6,000 To 8,000, Deduct	*-6.73*	
		For >8,000, Deduct	*-10.58*	
02 41 16 13-0040	SF	16" Thick Reinforced Concrete Foundation Wall Demolition	21.98	
		For >500 To 2,000, Deduct	*-1.65*	
		For >2,000 To 6,000, Deduct	*-4.40*	
		For >6,000 To 8,000, Deduct	*-7.69*	
		For >8,000, Deduct	*-12.09*	

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

02 41 16 13-0042	SF	4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.03	
		For >500 To 2,000, Deduct	*-0.38*	
		For >2,000 To 6,000, Deduct	*-1.01*	
		For >6,000 To 8,000, Deduct	*-1.76*	
		For >8,000, Deduct	*-2.77*	
02 41 16 13-0043	SF	6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.38	
		For >500 To 2,000, Deduct	*-0.40*	
		For >2,000 To 6,000, Deduct	*-1.08*	
		For >6,000 To 8,000, Deduct	*-1.88*	
		For >8,000, Deduct	*-2.96*	
02 41 16 13-0044	SF	8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.07	
		For >500 To 2,000, Deduct	*-0.46*	
		For >2,000 To 6,000, Deduct	*-1.21*	
		For >6,000 To 8,000, Deduct	*-2.12*	
		For >8,000, Deduct	*-3.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0045	SF	10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.98	
		For >500 To 2,000, Deduct	*-0.52*	
		For >2,000 To 6,000, Deduct	*-1.40*	
		For >6,000 To 8,000, Deduct	*-2.44*	
		For >8,000, Deduct	*-3.84*	
02 41 16 13-0046	SF	12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.78	
		For >500 To 2,000, Deduct	*-0.58*	
		For >2,000 To 6,000, Deduct	*-1.56*	
		For >6,000 To 8,000, Deduct	*-2.72*	
		For >8,000, Deduct	*-4.28*	
02 41 16 13-0047	SF	16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	9.73	
		For >500 To 2,000, Deduct	*-0.73*	
		For >2,000 To 6,000, Deduct	*-1.95*	
		For >6,000 To 8,000, Deduct	*-3.41*	
		For >8,000, Deduct	*-5.35*	
02 41 16 13-0048	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition	6.05	
		For >500 To 2,000, Deduct	*-0.45*	
		For >2,000 To 6,000, Deduct	*-1.21*	
		For >6,000 To 8,000, Deduct	*-2.12*	
		For >8,000, Deduct	*-3.33*	
02 41 16 13-0049	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition	6.46	
		For >500 To 2,000, Deduct	*-0.48*	
		For >2,000 To 6,000, Deduct	*-1.29*	
		For >6,000 To 8,000, Deduct	*-2.26*	
		For >8,000, Deduct	*-3.55*	
02 41 16 13-0050	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition	7.28	
		For >500 To 2,000, Deduct	*-0.55*	
		For >2,000 To 6,000, Deduct	*-1.46*	
		For >6,000 To 8,000, Deduct	*-2.55*	
		For >8,000, Deduct	*-4.00*	
02 41 16 13-0051	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition	8.38	
		For >500 To 2,000, Deduct	*-0.63*	
		For >2,000 To 6,000, Deduct	*-1.68*	
		For >6,000 To 8,000, Deduct	*-2.93*	
		For >8,000, Deduct	*-4.61*	
02 41 16 13-0052	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition	9.34	
		For >500 To 2,000, Deduct	*-0.70*	
		For >2,000 To 6,000, Deduct	*-1.87*	
		For >6,000 To 8,000, Deduct	*-3.27*	
		For >8,000, Deduct	*-5.14*	
02 41 16 13-0053	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition	11.68	
		For >500 To 2,000, Deduct	*-0.88*	
		For >2,000 To 6,000, Deduct	*-2.34*	
		For >6,000 To 8,000, Deduct	*-4.09*	
		For >8,000, Deduct	*-6.42*	

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

02 41 16 13-0055	SF	4" Thick Brick Foundation Wall Demolition	5.03	
		For >500 To 2,000, Deduct	*-0.38*	
		For >2,000 To 6,000, Deduct	*-1.01*	
		For >6,000 To 8,000, Deduct	*-1.76*	
		For >8,000, Deduct	*-2.77*	
02 41 16 13-0056	SF	6" Thick Brick Foundation Wall Demolition	5.38	
		For >500 To 2,000, Deduct	*-0.40*	
		For >2,000 To 6,000, Deduct	*-1.08*	
		For >6,000 To 8,000, Deduct	*-1.88*	
		For >8,000, Deduct	*-2.96*	
02 41 16 13-0057	SF	8" Thick Brick Foundation Wall Demolition	6.07	
		For >500 To 2,000, Deduct	*-0.46*	
		For >2,000 To 6,000, Deduct	*-1.21*	
		For >6,000 To 8,000, Deduct	*-2.12*	
		For >8,000, Deduct	*-3.34*	
02 41 16 13-0058	SF	10" Thick Brick Foundation Wall Demolition	6.98	
		For >500 To 2,000, Deduct	*-0.52*	
		For >2,000 To 6,000, Deduct	*-1.40*	
		For >6,000 To 8,000, Deduct	*-2.44*	
		For >8,000, Deduct	*-3.84*	
02 41 16 13-0059	SF	12" Thick Brick Foundation Wall Demolition	7.78	
		For >500 To 2,000, Deduct	*-0.58*	
		For >2,000 To 6,000, Deduct	*-1.56*	
		For >6,000 To 8,000, Deduct	*-2.72*	
		For >8,000, Deduct	*-4.28*	
02 41 16 13-0060	SF	16" Thick Brick Foundation Wall Demolition	9.73	
		For >500 To 2,000, Deduct	*-0.73*	
		For >2,000 To 6,000, Deduct	*-1.95*	
		For >6,000 To 8,000, Deduct	*-3.41*	
		For >8,000, Deduct	*-5.35*	

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

02 41 16 13-0062	CF	Stone Footing Or Foundation Wall Demolition	16.02	
		For >135 To 405, Deduct	*-1.40*	
		For >405 To 810, Deduct	*-2.80*	
		For >810 To 2025, Deduct	*-4.01*	
		For >2025, Deduct	*-6.41*	

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

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0064	CF	Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition Note: Includes excavation.	16.85	
		For >135 To 405, Deduct	*-1.47*	
		For >405 To 810, Deduct	*-2.95*	
		For >810 To 2025, Deduct	*-4.21*	
		For >2025, Deduct	*-6.74*	

02 41 19 Selective Demolition *(02 41)*

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

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

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

02 41 19 13-0002	EA	Saw Cut Minimum Charge Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,160.49
02 41 19 13-0003	LF	Bituminous Paving Up To 4" Depth, Saw Cut	2.58
		For Each Additional Pass (Depth To 3"), Add	*0.99*
		For >250, Deduct	*-0.24*
02 41 19 13-0004	LF	Brick Masonry Up To 4" Depth, Saw Cut	9.47
		For Each Additional Pass (Depth To 3"), Add	*3.73*
		For >250, Deduct	*-0.93*
02 41 19 13-0005	LF	Concrete Block Up To 4" Depth, Saw Cut	8.58
		For Each Additional Pass (Depth To 3"), Add	*3.38*
		For >250, Deduct	*-0.84*
02 41 19 13-0006	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	2.98
		For Each Additional Pass (Depth To 3"), Add	*1.13*
		For >250, Deduct	*-0.28*
02 41 19 13-0007	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.91
		For Each Additional Pass (Depth To 3"), Add	*1.49*
		For >250, Deduct	*-0.37*
02 41 19 13-0008	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.39
		For Each Additional Pass (Depth To 3"), Add	*2.48*
		For >250, Deduct	*-0.61*
02 41 19 13-0009	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	12.09
		For Each Additional Pass (Depth To 3"), Add	*4.77*
		For >250, Deduct	*-1.19*
02 41 19 13-0010	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	16.25
		For Each Additional Pass (Depth To 3"), Add	*6.42*
		For >250, Deduct	*-1.60*
02 41 19 13-0011	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	3.25
		For Each Additional Pass (Depth To 3"), Add	*1.17*
		For >250, Deduct	*-0.28*
02 41 19 13-0012	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut	8.62
		For Each Additional Pass (Depth To 3"), Add	*3.39*
		For >250, Deduct	*-0.84*
02 41 19 13-0013	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	8.62
		For Each Additional Pass (Depth To 3"), Add	*3.39*
		For >250, Deduct	*-0.84*
02 41 19 13-0014	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	8.62
		For Each Additional Pass (Depth To 3"), Add	*3.39*
		For >250, Deduct	*-0.84*
02 41 19 13-0015	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	8.62
		For Each Additional Pass (Depth To 3"), Add	*3.39*
		For >250, Deduct	*-0.84*

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

Note: Includes grinding edge

02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate	3.18
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	6.37
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	9.55
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	12.73
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	15.93
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	19.11
02 41 19 13-0023	EA	Torch Cutting Minimum Charge Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,044.85

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

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

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

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

02 41 19 13-0027	EA	Drill 1" Diameter Core In Up To 4" Concrete	45.76
		For Horizontal Cores, Add	*9.05*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.10*
02 41 19 13-0028	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	50.77
		For Horizontal Cores, Add	*10.05*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.10*
02 41 19 13-0029	EA	Drill 2" Diameter Core In Up To 4" Concrete	56.38
		For Horizontal Cores, Add	*11.17*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.35*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0030	EA	Drill 3" Diameter Core In Up To 4" Concrete	80.49	
		For Horizontal Cores, Add	*15.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.92*	
02 41 19 13-0031	EA	Drill 4" Diameter Core In Up To 4" Concrete	107.86	
		For Horizontal Cores, Add	*21.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.77*	
02 41 19 13-0032	EA	Drill 6" Diameter Core In Up To 4" Concrete	120.87	
		For Horizontal Cores, Add	*23.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.88*	
02 41 19 13-0033	EA	Drill 8" Diameter Core In Up To 4" Concrete	193.13	
		For Horizontal Cores, Add	*38.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.61*	
02 41 19 13-0034	EA	Drill 10" Diameter Core In Up To 4" Concrete	241.59	
		For Horizontal Cores, Add	*47.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.76*	
02 41 19 13-0035	EA	Drill 12" Diameter Core In Up To 4" Concrete	281.94	
		For Horizontal Cores, Add	*55.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.73*	
02 41 19 13-0036	EA	Drill 14" Diameter Core In Up To 4" Concrete	322.30	
		For Horizontal Cores, Add	*63.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.67*	
02 41 19 13-0037	EA	Drill 18" Diameter Core In Up To 4" Concrete	363.07	
		For Horizontal Cores, Add	*71.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.62*	

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

02 41 19 13-0039	EA	Drill 1" Diameter Core In >4" To 6" Concrete	65.42	
		For Horizontal Cores, Add	*12.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.85*	
02 41 19 13-0040	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	72.60	
		For Horizontal Cores, Add	*14.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.72*	
02 41 19 13-0041	EA	Drill 2" Diameter Core In >4" To 6" Concrete	80.58	
		For Horizontal Cores, Add	*15.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.92*	
02 41 19 13-0042	EA	Drill 3" Diameter Core In >4" To 6" Concrete	96.85	
		For Horizontal Cores, Add	*19.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.31*	
02 41 19 13-0043	EA	Drill 4" Diameter Core In >4" To 6" Concrete	121.13	
		For Horizontal Cores, Add	*23.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.88*	
02 41 19 13-0044	EA	Drill 6" Diameter Core In >4" To 6" Concrete	161.38	
		For Horizontal Cores, Add	*31.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.84*	
02 41 19 13-0045	EA	Drill 8" Diameter Core In >4" To 6" Concrete	241.83	
		For Horizontal Cores, Add	*47.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.76*	
02 41 19 13-0046	EA	Drill 10" Diameter Core In >4" To 6" Concrete	282.59	
		For Horizontal Cores, Add	*55.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.73*	
02 41 19 13-0047	EA	Drill 12" Diameter Core In >4" To 6" Concrete	323.10	
		For Horizontal Cores, Add	*63.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.67*	
02 41 19 13-0048	EA	Drill 14" Diameter Core In >4" To 6" Concrete	363.82	
		For Horizontal Cores, Add	*71.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.62*	
02 41 19 13-0049	EA	Drill 18" Diameter Core In >4" To 6" Concrete	405.15	
		For Horizontal Cores, Add	*79.80*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.59*	

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

02 41 19 13-0051	EA	Drill 1" Diameter Core In >6" To 8" Concrete	72.17	
		For Horizontal Cores, Add	*14.22*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.44*	
02 41 19 13-0052	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	80.08	
		For Horizontal Cores, Add	*15.80*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.60*	
02 41 19 13-0053	EA	Drill 2" Diameter Core In >6" To 8" Concrete	88.85	
		For Horizontal Cores, Add	*17.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.11*	
02 41 19 13-0054	EA	Drill 3" Diameter Core In >6" To 8" Concrete	105.21	
		For Horizontal Cores, Add	*20.75*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.50*	
02 41 19 13-0055	EA	Drill 4" Diameter Core In >6" To 8" Concrete	137.58	
		For Horizontal Cores, Add	*27.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.26*	
02 41 19 13-0056	EA	Drill 6" Diameter Core In >6" To 8" Concrete	193.91	
		For Horizontal Cores, Add	*38.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.61*	
02 41 19 13-0057	EA	Drill 8" Diameter Core In >6" To 8" Concrete	322.43	
		For Horizontal Cores, Add	*63.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.67*	
02 41 19 13-0058	EA	Drill 10" Diameter Core In >6" To 8" Concrete	363.41	
		For Horizontal Cores, Add	*71.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0059	EA	Drill 12" Diameter Core In >6" To 8" Concrete	404.20	
		For Horizontal Cores, Add	*79.80*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.59*	
02 41 19 13-0060	EA	Drill 14" Diameter Core In >6" To 8" Concrete	445.22	
		For Horizontal Cores, Add	*87.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*175.52*	
02 41 19 13-0061	EA	Drill 18" Diameter Core In >6" To 8" Concrete	487.15	
		For Horizontal Cores, Add	*95.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*191.52*	

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

02 41 19 13-0063	EA	Drill 1" Diameter Core In >8" To 10" Concrete	85.37	
		For Horizontal Cores, Add	*16.80*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.61*	
02 41 19 13-0064	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	94.71	
		For Horizontal Cores, Add	*18.67*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.34*	
02 41 19 13-0065	EA	Drill 2" Diameter Core In >8" To 10" Concrete	105.09	
		For Horizontal Cores, Add	*20.75*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.50*	
02 41 19 13-0066	EA	Drill 3" Diameter Core In >8" To 10" Concrete	121.56	
		For Horizontal Cores, Add	*23.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.88*	
02 41 19 13-0067	EA	Drill 4" Diameter Core In >8" To 10" Concrete	138.08	
		For Horizontal Cores, Add	*27.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.26*	
02 41 19 13-0068	EA	Drill 6" Diameter Core In >8" To 10" Concrete	194.52	
		For Horizontal Cores, Add	*38.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.61*	
02 41 19 13-0069	EA	Drill 8" Diameter Core In >8" To 10" Concrete	323.25	
		For Horizontal Cores, Add	*63.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.67*	
02 41 19 13-0070	EA	Drill 10" Diameter Core In >8" To 10" Concrete	364.50	
		For Horizontal Cores, Add	*71.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.62*	
02 41 19 13-0071	EA	Drill 12" Diameter Core In >8" To 10" Concrete	405.43	
		For Horizontal Cores, Add	*79.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.56*	
02 41 19 13-0072	EA	Drill 14" Diameter Core In >8" To 10" Concrete	446.87	
		For Horizontal Cores, Add	*87.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*175.52*	
02 41 19 13-0073	EA	Drill 18" Diameter Core In >8" To 10" Concrete	489.19	
		For Horizontal Cores, Add	*95.74*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*191.48*	

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

02 41 19 13-0075	EA	Drill 1" Diameter Core In >10" To 12" Concrete	92.13	
		For Horizontal Cores, Add	*18.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.20*	
02 41 19 13-0076	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	102.18	
		For Horizontal Cores, Add	*20.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.22*	
02 41 19 13-0077	EA	Drill 2" Diameter Core In >10" To 12" Concrete	113.35	
		For Horizontal Cores, Add	*22.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.69*	
02 41 19 13-0078	EA	Drill 3" Diameter Core In >10" To 12" Concrete	121.95	
		For Horizontal Cores, Add	*23.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.88*	
02 41 19 13-0079	EA	Drill 4" Diameter Core In >10" To 12" Concrete	162.52	
		For Horizontal Cores, Add	*31.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.84*	
02 41 19 13-0080	EA	Drill 6" Diameter Core In >10" To 12" Concrete	211.09	
		For Horizontal Cores, Add	*41.50*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*83.00*	
02 41 19 13-0081	EA	Drill 8" Diameter Core In >10" To 12" Concrete	340.05	
		For Horizontal Cores, Add	*67.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*134.06*	
02 41 19 13-0082	EA	Drill 10" Diameter Core In >10" To 12" Concrete	365.58	
		For Horizontal Cores, Add	*71.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.62*	
02 41 19 13-0083	EA	Drill 12" Diameter Core In >10" To 12" Concrete	422.82	
		For Horizontal Cores, Add	*83.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*166.00*	

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

02 41 19 13-0085	IN	Drill 1" Diameter Core In >12" Concrete	11.20	
		For Horizontal Cores, Add	*2.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.42*	
02 41 19 13-0086	IN	Drill 1-1/2" Diameter Core In >12" Concrete	12.44	
		For Horizontal Cores, Add	*2.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.92*	
02 41 19 13-0087	IN	Drill 2" Diameter Core In >12" Concrete	13.80	
		For Horizontal Cores, Add	*2.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0088	IN	Drill 3" Diameter Core In >12" Concrete	15.15	
		For Horizontal Cores, Add	*2.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.98*	
02 41 19 13-0089	IN	Drill 4" Diameter Core In >12" Concrete	20.18	
		For Horizontal Cores, Add	*3.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*7.98*	
02 41 19 13-0090	IN	Drill 6" Diameter Core In >12" Concrete	26.25	
		For Horizontal Cores, Add	*5.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.38*	
02 41 19 13-0091	IN	Drill 8" Diameter Core In >12" Concrete	42.34	
		For Horizontal Cores, Add	*8.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.77*	
02 41 19 13-0092	IN	Drill 10" Diameter Core In >12" Concrete	45.61	
		For Horizontal Cores, Add	*9.01*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.03*	
02 41 19 13-0093	IN	Drill 12" Diameter Core In >12" Concrete	52.55	
		For Horizontal Cores, Add	*10.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.76*	

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

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

02 41 19 13-0096	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	36.71	
		For Horizontal Cores, Add	*7.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.48*	
02 41 19 13-0097	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	40.72	
		For Horizontal Cores, Add	*8.04*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.08*	
02 41 19 13-0098	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	45.20	
		For Horizontal Cores, Add	*8.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.88*	
02 41 19 13-0099	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	64.53	
		For Horizontal Cores, Add	*12.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.54*	
02 41 19 13-0100	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	86.48	
		For Horizontal Cores, Add	*17.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.22*	
02 41 19 13-0101	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	96.94	
		For Horizontal Cores, Add	*19.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.31*	
02 41 19 13-0102	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	154.82	
		For Horizontal Cores, Add	*30.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.29*	
02 41 19 13-0103	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	193.71	
		For Horizontal Cores, Add	*38.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.61*	
02 41 19 13-0104	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	226.07	
		For Horizontal Cores, Add	*44.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*89.38*	
02 41 19 13-0105	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	258.46	
		For Horizontal Cores, Add	*51.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*102.14*	
02 41 19 13-0106	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	291.26	
		For Horizontal Cores, Add	*57.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.90*	

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

02 41 19 13-0108	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	52.50	
		For Horizontal Cores, Add	*10.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.68*	
02 41 19 13-0109	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	58.23	
		For Horizontal Cores, Add	*11.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.98*	
02 41 19 13-0110	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	64.62	
		For Horizontal Cores, Add	*12.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.53*	
02 41 19 13-0111	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	77.68	
		For Horizontal Cores, Add	*15.32*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.64*	
02 41 19 13-0112	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	97.20	
		For Horizontal Cores, Add	*19.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.31*	
02 41 19 13-0113	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	129.46	
		For Horizontal Cores, Add	*25.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.07*	
02 41 19 13-0114	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	193.95	
		For Horizontal Cores, Add	*38.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.61*	
02 41 19 13-0115	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	226.72	
		For Horizontal Cores, Add	*44.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*89.38*	
02 41 19 13-0116	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	259.26	
		For Horizontal Cores, Add	*51.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*102.14*	
02 41 19 13-0117	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	292.01	
		For Horizontal Cores, Add	*57.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0118	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	325.36	
		For Horizontal Cores, Add	*63.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.68*	

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

02 41 19 13-0120	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	57.96	
		For Horizontal Cores, Add	*11.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.76*	
02 41 19 13-0121	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	64.27	
		For Horizontal Cores, Add	*12.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.28*	
02 41 19 13-0122	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	71.29	
		For Horizontal Cores, Add	*14.04*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.09*	
02 41 19 13-0123	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	84.47	
		For Horizontal Cores, Add	*16.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.20*	
02 41 19 13-0124	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	110.44	
		For Horizontal Cores, Add	*21.70*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.41*	
02 41 19 13-0125	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	155.60	
		For Horizontal Cores, Add	*30.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.29*	
02 41 19 13-0126	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	258.59	
		For Horizontal Cores, Add	*51.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*102.14*	
02 41 19 13-0127	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	291.60	
		For Horizontal Cores, Add	*57.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.90*	
02 41 19 13-0128	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	324.41	
		For Horizontal Cores, Add	*63.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.68*	
02 41 19 13-0129	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	357.46	
		For Horizontal Cores, Add	*70.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*140.42*	
02 41 19 13-0130	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	391.38	
		For Horizontal Cores, Add	*76.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*153.22*	

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

02 41 19 13-0132	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	68.58	
		For Horizontal Cores, Add	*13.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.89*	
02 41 19 13-0133	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	76.04	
		For Horizontal Cores, Add	*14.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.88*	
02 41 19 13-0134	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	84.34	
		For Horizontal Cores, Add	*16.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.20*	
02 41 19 13-0135	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	97.63	
		For Horizontal Cores, Add	*19.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.31*	
02 41 19 13-0136	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	110.94	
		For Horizontal Cores, Add	*21.70*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.41*	
02 41 19 13-0137	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	156.21	
		For Horizontal Cores, Add	*30.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.29*	
02 41 19 13-0138	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	259.41	
		For Horizontal Cores, Add	*51.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*102.14*	
02 41 19 13-0139	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	292.69	
		For Horizontal Cores, Add	*57.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.90*	
02 41 19 13-0140	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	325.65	
		For Horizontal Cores, Add	*63.83*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.65*	
02 41 19 13-0141	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	359.11	
		For Horizontal Cores, Add	*70.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*140.42*	
02 41 19 13-0142	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	393.46	
		For Horizontal Cores, Add	*76.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*153.18*	

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

02 41 19 13-0144	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	74.03	
		For Horizontal Cores, Add	*14.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.96*	
02 41 19 13-0145	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	82.07	
		For Horizontal Cores, Add	*16.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.18*	
02 41 19 13-0146	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	91.01	
		For Horizontal Cores, Add	*17.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0147	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	98.02	
		For Horizontal Cores, Add	*19.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.31*	
02 41 19 13-0148	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	130.60	
		For Horizontal Cores, Add	*25.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.07*	
02 41 19 13-0149	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	169.59	
		For Horizontal Cores, Add	*33.20*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.40*	
02 41 19 13-0150	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	273.01	
		For Horizontal Cores, Add	*53.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*107.25*	
02 41 19 13-0151	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	293.77	
		For Horizontal Cores, Add	*57.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.90*	
02 41 19 13-0152	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	339.82	
		For Horizontal Cores, Add	*66.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*132.80*	

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

02 41 19 13-0154	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	8.99	
		For Horizontal Cores, Add	*1.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.54*	
02 41 19 13-0155	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	9.97	
		For Horizontal Cores, Add	*1.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.93*	
02 41 19 13-0156	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	11.07	
		For Horizontal Cores, Add	*2.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.37*	
02 41 19 13-0157	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	12.15	
		For Horizontal Cores, Add	*2.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.78*	
02 41 19 13-0158	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	16.19	
		For Horizontal Cores, Add	*3.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.38*	
02 41 19 13-0159	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	21.06	
		For Horizontal Cores, Add	*4.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.30*	
02 41 19 13-0160	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	33.95	
		For Horizontal Cores, Add	*6.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.42*	
02 41 19 13-0161	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	36.59	
		For Horizontal Cores, Add	*7.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.42*	
02 41 19 13-0162	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	42.17	
		For Horizontal Cores, Add	*8.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.61*	

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

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

02 41 19 13-0165	EA	Drill 1" Diameter Core In Up To 2" Asphalt	21.96
02 41 19 13-0166	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	27.44
02 41 19 13-0167	EA	Drill 2" Diameter Core In Up To 2" Asphalt	34.30
02 41 19 13-0168	EA	Drill 3" Diameter Core In Up To 2" Asphalt	42.56
02 41 19 13-0169	EA	Drill 4" Diameter Core In Up To 2" Asphalt	53.55
02 41 19 13-0170	EA	Drill 6" Diameter Core In Up To 2" Asphalt	67.29
02 41 19 13-0171	EA	Drill 8" Diameter Core In Up To 2" Asphalt	83.81
02 41 19 13-0172	EA	Drill 10" Diameter Core In Up To 2" Asphalt	104.37
02 41 19 13-0173	EA	Drill 12" Diameter Core In Up To 2" Asphalt	130.42

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

02 41 19 13-0175	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	27.43
02 41 19 13-0176	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	35.66
02 41 19 13-0177	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	43.89
02 41 19 13-0178	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	54.89
02 41 19 13-0179	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	68.62
02 41 19 13-0180	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	86.46
02 41 19 13-0181	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	107.10
02 41 19 13-0182	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	134.50
02 41 19 13-0183	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	167.42

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

02 41 19 13-0185	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	35.67
02 41 19 13-0186	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	45.29
02 41 19 13-0187	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	56.26
02 41 19 13-0188	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	70.01
02 41 19 13-0189	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	87.88
02 41 19 13-0190	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	109.85
02 41 19 13-0191	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	137.39
02 41 19 13-0192	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	171.66
02 41 19 13-0193	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	214.19

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0194		**>4" To 6" Thick Asphalt Core Drilling** *(02 41 19 13-0163)*		
02 41 19 13-0195	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	46.69	
02 41 19 13-0196	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	57.69	
02 41 19 13-0197	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	71.42	
02 41 19 13-0198	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	90.69	
02 41 19 13-0199	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	112.71	
02 41 19 13-0200	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	140.21	
02 41 19 13-0201	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	176.04	
02 41 19 13-0202	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	219.94	
02 41 19 13-0203	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	274.85	
02 41 19 13-0204		**Manhole Core Drilling** *(02 41 19 13-0024)*		
02 41 19 13-0205	EA	Drill 4" Diameter Core In 6" Brick Manhole	240.36	
02 41 19 13-0206	EA	Drill 5" Diameter Core In 6" Brick Manhole	274.69	
02 41 19 13-0207	EA	Drill 6" Diameter Core In 6" Brick Manhole	320.37	
02 41 19 13-0208	EA	Drill 8" Diameter Core In 6" Brick Manhole	480.43	
02 41 19 13-0209	EA	Drill 2" Diameter Core In 8" Concrete Manhole	322.05	
02 41 19 13-0210	EA	Drill 3" Diameter Core In 8" Concrete Manhole	342.94	
02 41 19 13-0211	EA	Drill 4" Diameter Core In 8" Concrete Manhole	377.53	
02 41 19 13-0212	EA	Drill 5" Diameter Core In 8" Concrete Manhole	405.08	
02 41 19 13-0213	EA	Drill 6" Diameter Core In 8" Concrete Manhole	480.43	
02 41 19 13-0214	EA	Drill 8" Diameter Core In 8" Concrete Manhole	686.19	
02 41 19 13-0215	EA	Drill 2" Diameter Core In Fiberglass Manhole	31.95	
02 41 19 13-0216	EA	Drill 3" Diameter Core In Fiberglass Manhole	36.87	
02 41 19 13-0217	EA	Drill 4" Diameter Core In Fiberglass Manhole	39.95	
02 41 19 13-0218	EA	Drill 5" Diameter Core In Fiberglass Manhole	43.59	
02 41 19 13-0219	EA	Drill 6" Diameter Core In Fiberglass Manhole	47.94	
02 41 19 13-0220	EA	Drill 8" Diameter Core In Fiberglass Manhole	53.28	
02 41 19 13-0221		**Drilling In Concrete Per Inch Of Depth** *(02 41 19 13-0024)* Note: Includes layout.		
02 41 19 13-0222	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.22	
02 41 19 13-0223	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.36	
02 41 19 13-0224	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.49	
02 41 19 13-0225	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.68	
02 41 19 13-0226	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.84	
02 41 19 13-0227	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.13	
02 41 19 13-0228	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.38	
02 41 19 13-0229	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	3.55	
02 41 19 13-0230	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	4.18	
02 41 19 13-0231	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.93	
02 41 19 13-0232	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	4.18	
02 41 19 13-0233	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.45	
02 41 19 13-0234	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	4.93	
02 41 19 13-0235	IN	2" Diameter Drilling In Concrete Per Inch Of Depth	5.74	
02 41 19 13-0236		**Drilling In Brick/Concrete Block Per Inch Of Depth** *(02 41 19 13-0024)* Note: Includes layout.		
02 41 19 13-0237	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.86	
02 41 19 13-0238	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.97	
02 41 19 13-0239	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.08	
02 41 19 13-0240	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.22	
02 41 19 13-0241	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.37	
02 41 19 13-0242	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.60	
02 41 19 13-0243	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.82	
02 41 19 13-0244	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.96	
02 41 19 13-0245	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.13	
02 41 19 13-0246	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.27	
02 41 19 13-0247	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.50	
02 41 19 13-0248	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.71	
02 41 19 13-0249	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.13	
02 41 19 13-0250	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.79	
02 41 19 13-0251		**Drilling In Wood Or Plastic Per Inch Of Depth** *(02 41 19 13-0024)* Note: Includes layout.		
02 41 19 13-0252	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.92	
02 41 19 13-0253	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.98	
02 41 19 13-0254	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.04	
02 41 19 13-0255	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.11	
02 41 19 13-0256	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.18	
02 41 19 13-0257	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.30	
02 41 19 13-0258	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.40	
02 41 19 13-0259	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.48	
02 41 19 13-0260	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.55	
02 41 19 13-0261	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.63	
02 41 19 13-0262	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.73	
02 41 19 13-0263	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.85	
02 41 19 13-0264	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.06	
02 41 19 13-0265	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0266		**Minimum Charge For Core Drilling** *(02 41 19 13-0024)*		
02 41 19 13-0267	EA	Core Drill Minimum Charge Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".	934.07	
02 41 19 13-0268		**Cutouts** *(02 41 19 13)* Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0269		**Reinforced Concrete Slab On Grade Cutouts** *(02 41 19 13-0268)*		
02 41 19 13-0270	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	52.40	
02 41 19 13-0271	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	55.58	
02 41 19 13-0272	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	58.76	
02 41 19 13-0273	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	61.93	
02 41 19 13-0274	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	63.51	
02 41 19 13-0275		**Reinforced Concrete Elevated Slab Cutouts** *(02 41 19 13-0268)* Note: Includes cutting and removing steel decking.		
02 41 19 13-0276	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	63.87	
02 41 19 13-0277	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	67.74	
02 41 19 13-0278	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	71.61	
02 41 19 13-0279	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	75.48	
02 41 19 13-0280	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	77.41	
02 41 19 13-0281		**Reinforced Concrete Wall Cutouts** *(02 41 19 13-0268)*		
02 41 19 13-0282	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	65.50	
02 41 19 13-0283	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	69.47	
02 41 19 13-0284	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	73.44	
02 41 19 13-0285	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	77.41	
02 41 19 13-0286	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	79.40	
02 41 19 13-0287		**Brick Wall Cutouts** *(02 41 19 13-0268)* Note: Excludes toothing.		
02 41 19 13-0288	SF	4" Thick Brick Wall Cutouts, <24 SF	19.84	
02 41 19 13-0289	SF	6" Thick Brick Wall Cutouts, <24 SF	32.75	
02 41 19 13-0290	SF	8" Thick Brick Wall Cutouts, <24 SF	45.61	
02 41 19 13-0291	SF	10" Thick Brick Wall Cutouts, <24 SF	55.58	
02 41 19 13-0292	SF	12" Thick Brick Wall Cutouts, <24 SF	66.50	
02 41 19 13-0293	SF	16" Thick Brick Wall Cutouts, <24 SF	78.41	
02 41 19 13-0294		**Concrete Block Wall Cutouts** *(02 41 19 13-0268)* Note: Excludes toothing.		
02 41 19 13-0295	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	32.83	
02 41 19 13-0296	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	34.77	
02 41 19 13-0297	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	36.72	
02 41 19 13-0298	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	38.71	
02 41 19 13-0299	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	39.70	
02 41 19 13-0300	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	41.68	
02 41 19 13-0301		**Limestone Cutouts** *(02 41 19 13-0268)*		
02 41 19 13-0302	SF	2" Thick Limestone Cutouts, <24 SF	55.58	
02 41 19 13-0303	SF	4" Thick Limestone Cutouts, <24 SF	67.49	
02 41 19 13-0304	SF	6" Thick Limestone Cutouts, <24 SF	71.46	
02 41 19 13-0305	SF	8" Thick Limestone Cutouts, <24 SF	75.42	
02 41 19 13-0306	SF	10" Thick Limestone Cutouts, <24 SF	79.40	
02 41 19 13-0307	SF	12" Thick Limestone Cutouts, <24 SF	83.37	
02 41 19 13-0308		**Toothing Masonry Cutouts** *(02 41 19 13-0268)* Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0309	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	19.84	
02 41 19 13-0310	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	26.80	
02 41 19 13-0311	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	11.91	
02 41 19 13-0312	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	15.88	
02 41 19 13-0313		**Minimum Charge For Cutouts** *(02 41 19 13-0268)* Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0314	EA	Cutouts Minimum Charge	396.98	
02 41 19 13-0315		**Exterior Masonry Removal** *(02 41 19 13)*		
02 41 19 13-0316		**Masonry Columns Removal (Interior And Exterior)** *(02 41 19 13-0315)*		
02 41 19 13-0317	VLF	8" x 8" Masonry Column Removal	15.50	
02 41 19 13-0318	VLF	10" x 10" Masonry Column Removal	24.22	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0319	VLF	12" x 12" Masonry Column Removal	31.03	
02 41 19 13-0320	VLF	14" x 14" Masonry Column Removal	38.84	
02 41 19 13-0321	VLF	16" x 16" Masonry Column Removal	47.72	
02 41 19 13-0322	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	26.79	

02 41 19 13-0323 Remove And Reset Precast, Stone Or Masonry Coping *(02 41 19 13-0315)*

Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 19 13-0324	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	22.04	
02 41 19 13-0325	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	32.78	
02 41 19 13-0326	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	62.33	

02 41 19 13-0327 Facade Removal *(02 41 19 13-0315)*

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

02 41 19 13-0328	SF	Stone Or Brick Veneer Facade Removal	5.90	
		For Cleaning and Storage For Reuse, Add		*8.85*

02 41 19 13-0329 Exterior Masonry Removal *(02 41 19 13-0315)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 19 13-0330	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall	5.19	
02 41 19 13-0331	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	5.85	
02 41 19 13-0332	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	7.09	
02 41 19 13-0333	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	7.74	
02 41 19 13-0334	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	8.50	
02 41 19 13-0335	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	10.63	
02 41 19 13-0336	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	6.13	
02 41 19 13-0337	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	7.02	
02 41 19 13-0338	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	8.50	
02 41 19 13-0339	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	9.29	
02 41 19 13-0340	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	10.19	
02 41 19 13-0341	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	12.76	
02 41 19 13-0342	SF	Demolish 4" Thick Brick Exterior Wall	5.19	
		For Cleaning and Storage For Reuse, Add		*7.79*
02 41 19 13-0343	SF	Demolish 6" Thick Brick Exterior Wall	5.85	
		For Cleaning and Storage For Reuse, Add		*8.78*
02 41 19 13-0344	SF	Demolish 8" Thick Brick Exterior Wall	7.09	
		For Cleaning and Storage For Reuse, Add		*10.64*
02 41 19 13-0345	SF	Demolish 10" Thick Brick Exterior Wall	7.74	
		For Cleaning and Storage For Reuse, Add		*11.61*
02 41 19 13-0346	SF	Demolish 12" Thick Brick Exterior Wall	8.50	
		For Cleaning and Storage For Reuse, Add		*12.75*
02 41 19 13-0347	SF	Demolish 16" Thick Brick Exterior Wall	10.63	
		For Cleaning and Storage For Reuse, Add		*15.95*
02 41 19 13-0348	CF	Exterior Brick, Concrete Block Or Composite Removal	15.10	
		For Cleaning and Storage For Reuse, Add		*22.65*

02 41 19 13-0349 Lintel Removal *(02 41 19 13-0315)*

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

02 41 19 13-0350	LF	Demolish Steel Lintel	14.36	
02 41 19 13-0351	LF	Demolish Concrete Or Stone Lintel	19.15	
02 41 19 13-0352	LF	Demolish Steel Shelf Angle	15.15	

02 41 19 13-0353 Reinstall Lintel *(02 41 19 13-0315)*

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

02 41 19 13-0354	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel	9.68	
02 41 19 13-0355	LF	Reinstall Existing Concrete Or Stone Lintel	19.15	
02 41 19 13-0356	LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.	51.77	
02 41 19 13-0357	LF	Reinstall Existing Steel Lintel	21.27	
02 41 19 13-0358	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	85.68	
02 41 19 13-0359	LF	Removal And Replacement Of Steel Lintel Over Window Openings	148.30	

02 41 19 13-0360 Exterior Concrete Wall Removal *(02 41 19 13)*

02 41 19 13-0361	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	7.13	
02 41 19 13-0362	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	12.94	
02 41 19 13-0363	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	16.25	
02 41 19 13-0364	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	19.17	
02 41 19 13-0365	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	22.67	

02 41 19 13-0366 Elevated Concrete Removal *(02 41 19 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0367	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced	13.30	

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

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

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

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

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

02 41 19 16-0003	SF	Scarify Concrete Floor	0.33
02 41 19 16-0004	SF	Scarify Concrete Tread And Riser	2.79
02 41 19 16-0005	SF	Scarify Concrete Wall	2.54

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

02 41 19 16-0007	SF	Removal Of Fireproofing From Concrete Or Steel	1.32

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

02 41 19 16-0009	SF	Demolish Drywall Ceiling	1.01
02 41 19 16-0010	SF	Demolish Furred Plastered Ceiling	2.36
02 41 19 16-0011	SF	Demolish Suspended Plastered Ceiling And Suspension System	1.81

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

02 41 19 16-0013	CF	Demolish Interior Reinforced Concrete Stairs	8.50
02 41 19 16-0014	CF	Demolish Exterior Reinforced Concrete Stairs	7.44

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

Note: Price includes knock down, loading, clean-up.

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

Note: Includes saw cutting, knock down, loading and clean-up.

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

02 41 19 16-0018	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall	5.51
02 41 19 16-0019	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall	5.88
02 41 19 16-0020	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall	6.62
02 41 19 16-0021	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall	8.51
02 41 19 16-0022	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall	10.63
02 41 19 16-0023	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall	6.60
02 41 19 16-0024	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall	7.05
02 41 19 16-0025	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall	7.96
02 41 19 16-0026	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall	10.20
02 41 19 16-0027	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall	12.76

02 41 19 16-0028 Demolish Brick Interior Partition/Walls *(02 41 19 16-0016)*

02 41 19 16-0029	SF	Demolish 4" Thick Brick Interior Partition/Wall	5.51
02 41 19 16-0030	SF	Demolish 8" Thick Brick Interior Partition/Wall	6.62
02 41 19 16-0031	SF	Demolish 12" Thick Brick Interior Partition/Wall	8.50
02 41 19 16-0032	SF	Demolish 16" Thick Brick Interior Partition/Wall	10.63

02 41 19 16-0033 Demolish Glass Block Interior Partition/Walls *(02 41 19 16-0016)*

02 41 19 16-0034	SF	Demolish Glass Block Interior Partition/Walls	4.72

02 41 19 16-0035 Demolish Concrete Interior Partition/Walls *(02 41 19 16-0016)*

See CSI section 02 41 16 13-0024 for concrete foundation demolition.

02 41 19 16-0036	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall	10.01
02 41 19 16-0037	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall	12.51
02 41 19 16-0038	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall	17.51
02 41 19 16-0039	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall	12.01
02 41 19 16-0040	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall	15.10
02 41 19 16-0041	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall	21.01

02 41 19 16-0042 Demolish Terra-Cotta Block Interior Partition/Walls *(02 41 19 16-0016)*

02 41 19 16-0043	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster	1.89

02 41 19 16-0044 Demolish Stud Framed Interior Partition/Walls *(02 41 19 16-0015)*

Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.

02 41 19 16-0045	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side	3.34	
		For Heights >14' To 20', Add		*0.50*
		For Heights >20', Add		*0.67*
02 41 19 16-0046	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides	3.89	
		For Heights >14' To 20', Add		*0.58*
		For Heights >20', Add		*0.78*
02 41 19 16-0047	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side	4.27	
		For Heights >14' To 20', Add		*0.64*
		For Heights >20', Add		*0.85*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0048	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides	5.94	
		For Heights >14' To 20', Add	*0.89*	
		For Heights >20', Add	*1.19*	
02 41 19 16-0049	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall	1.76	
		For Heights >14' To 20', Add	*0.26*	
		For Heights >20', Add	*0.35*	
02 41 19 16-0050	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall	2.10	
		For Heights >14' To 20', Add	*0.32*	
		For Heights >20', Add	*0.42*	

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

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

Note: Includes placement on pallets and storage on site.

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

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

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

02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use	307.64

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

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

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

02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage	2.80
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage	2.80
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage	3.87
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage	2.26
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage	1.19
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage	0.86

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

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

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

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

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

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	37.92
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	35.84
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	33.54
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	30.43
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	28.44
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	25.16
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	36.86
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	33.54
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	28.44

02 60 Contaminated Site Material Removal *(02)*

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

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

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

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

02 61 13 00-0002	CY	Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	14.58
02 61 13 00-0003	CY	Load Excavated Petroleum Contaminated Soil	8.44
02 61 13 00-0004	CY	Disposal Fees Of Petroleum Contaminated Soil	74.79

02 61 13 00-0005 Accessories For Contaminated Soil Stockpile *(02 61 13)*

See CSI section 31 25 14 23-0024 for sand bags.

02 61 13 00-0006	SF	30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.57
02 61 13 00-0007	SF	10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.93

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

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

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

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

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

02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	1,236.12	
		For Work In Restricted Working Space, Add	*370.84*	
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	81.94	
		For Work In Restricted Working Space, Add	*24.58*	
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	54.62	
		For Work In Restricted Working Space, Add	*16.39*	
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	41.03	
		For Work In Restricted Working Space, Add	*12.31*	
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	32.77	
		For Work In Restricted Working Space, Add	*9.83*	
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	27.86	
		For Work In Restricted Working Space, Add	*8.36*	
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	25.07	
		For Work In Restricted Working Space, Add	*7.52*	

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

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

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

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

02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	26.59
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	26.59
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	26.59

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

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

02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	208.77
02 65 00 00-0008	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	81.19
02 65 00 00-0009	EA	TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	195.30
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	208.77
02 65 00 00-0011	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	162.38
02 65 00 00-0012	EA	VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	440.74
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	811.90
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	97.65
02 65 00 00-0015	EA	TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	173.98
02 65 00 00-0016	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	231.97
02 65 00 00-0017	EA	Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	259.81
02 65 00 00-0018	EA	Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	34.80
02 65 00 00-0019	EA	Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	34.80
02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	34.80
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	64.95
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	371.15
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	134.27
02 65 00 00-0024	EA	pH, Lab Test	27.84
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	347.96
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	208.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0027		**Tests, Surveys And Maintenance For Underground Storage Tank** *(02 65 00 00-0001)*		
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,203.58	
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	208.57	
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	48.27	
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	339.54	
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System	165.36	
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	237.99	
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	342.98	
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank	216.49	
02 65 00 00-0036		**Tests And Sampling Labor Hours** *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank	126.57	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	131.08	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	140.38	
02 65 00 00-0040		**Remove Tank Contents** *(02 65)*		
02 65 00 00-0041		**Transfer Liquid** *(02 65 00 00-0040)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.65	
02 65 00 00-0043		**Remove And Dispose Of Liquid From Tank** *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.87	
02 65 00 00-0045	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	0.83	
02 65 00 00-0046		**Remove And Dispose Of Solids Or Sludge** *(02 65 00 00-0040)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	6.85	
02 65 00 00-0048	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	1.53	
02 65 00 00-0049		**Purge Vapors, Open And Clean Tank** *(02 65)*		
02 65 00 00-0050		**Purge Vapors** *(02 65 00 00-0049)*		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.	4.60	
02 65 00 00-0052		**High Pressure Water Wash And Rinse Of Tank Interior** *(02 65 00 00-0049)* Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	353.86	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	464.04	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	601.79	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	813.68	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,576.07	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,895.18	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,172.75	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,625.78	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,383.06	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,067.46	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	5,153.60	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	6,350.13	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	7,775.04	
02 65 00 00-0066		**Scrape Clean Tank Exterior** *(02 65 00 00-0049)*		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	259.99	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	346.21	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	453.66	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	628.22	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,391.21	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,761.57	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	2,061.35	
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,591.41	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,368.20	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,227.75	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,504.89	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,605.87	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,257.33	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0080		**Tank And Piping Removal** *(02 65)* Note: Excludes excavation.		
02 65 00 00-0081		**Removal And Disposal Of Piping** *(02 65 00 00-0080)* Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	20.70	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	27.60	
02 65 00 00-0084		**Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement** *(02 65 00 00-0080)* Note: Excludes excavation or backfill.		
02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	722.70	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	877.56	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,032.43	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,290.53	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,806.73	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,271.32	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,581.05	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,097.27	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,129.68	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,950.58	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,801.06	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,786.75	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	8,483.43	
02 65 00 00-0098		**Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary** *(02 65 00 00-0080)* Note: Includes 1 lengthwise at every 4' on-center height wise.		
02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	876.08	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,633.77	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,965.25	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,190.20	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,628.24	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,267.53	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,930.51	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,913.14	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	6,141.44	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,676.78	
02 65 00 00-0109		**Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station** *(02 65 00 00-0080)* Note: Includes disposal fee.		
02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	311.17	
		For Each Additional Mile >15 Miles, Add	*4.77*	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	421.59	
		For Each Additional Mile >15 Miles, Add	*6.02*	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	662.49	
		For Each Additional Mile >15 Miles, Add	*9.03*	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,023.90	
		For Each Additional Mile >15 Miles, Add	*10.54*	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,806.89	
		For Each Additional Mile >15 Miles, Add	*18.57*	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,867.11	
		For Each Additional Mile >15 Miles, Add	*20.07*	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,967.47	
		For Each Additional Mile >15 Miles, Add	*22.58*	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,850.86	
		For Each Additional Mile >15 Miles, Add	*30.11*	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,914.87	
		For Each Additional Mile >15 Miles, Add	*45.16*	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,577.41	
		For Each Additional Mile >15 Miles, Add	*50.18*	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,661.56	
		For Each Additional Mile >15 Miles, Add	*60.22*	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	7,910.27	
		For Each Additional Mile >15 Miles, Add	*72.26*	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	9,548.58	
		For Each Additional Mile >15 Miles, Add	*83.10*	
02 65 00 00-0123		**Other Storage Tank Removals** *(02 65 00 00-0080)* Note: Based on tank gallon size		
02 65 00 00-0124	GAL	Removal Of Cement Lining	0.62	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.22	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	1.33	
02 65 00 00-0127		**Tank Closure Report** *(02 65 00 00-0080)* Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128	EA	Prepare Tank Closure Report	3,520.58	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 65 00 00-0129 Temporary Tanks *(02 65)*

02 65 00 00-0130 Temporary Holding Tanks *(02 65 00 00-0129)*

02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,930.49	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,447.87	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,378.36	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,413.12	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,255.58	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	6,298.36	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	10,636.30	

02 65 00 00-0141 Secondary Containment Berm *(02 65 00 00-0129)*

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	2,091.37	

02 80 Facility Remediation *(02)*

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

02 81 00 00-0001 Equipment Oil Drain And Disposal *(02 81)*

02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site Note: Excludes Disposal Cost.	677.78	
02 81 00 00-0003	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	106.51	
02 81 00 00-0004	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	484.12	
02 81 00 00-0005	DRM	Disposal of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	871.42	
02 81 00 00-0006	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	116.24	

02 82 Asbestos Remediation *(02 80)*

See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	99.79	
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	63.06	
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	73.93	
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	117.42	
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	202.22	
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	245.71	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	50.01	
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	60.88	
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	82.63	
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	63.06	
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	73.93	
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	117.42	
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	202.22	
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	232.66	
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	323.99	

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

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) *(02 82 16)*

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.71	
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	2.34	
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.54	
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.75	
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	8.56	
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	9.70	

02 82 33 Removal and Disposal of Asbestos Containing Materials *(02 82)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001 **Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal** *(02 82 33)*

02 82 33 00-0002 **Pipe Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 **Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET	>10 To 25 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,253.41	
		For Work In Restricted Working Space, Add	*370.84*	
02 82 33 00-0005	LF	>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	43.00	
		For Work In Restricted Working Space, Add	*12.64*	
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	32.47	
		For Work In Restricted Working Space, Add	*9.48*	
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	24.57	
		For Work In Restricted Working Space, Add	*7.11*	
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	18.64	
		For Work In Restricted Working Space, Add	*5.33*	
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	16.32	
		For Work In Restricted Working Space, Add	*4.64*	

02 82 33 00-0010 **>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET	>10 To 25 LF, >6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,270.70	
		For Work In Restricted Working Space, Add	*370.84*	
02 82 33 00-0012	LF	>25 To 250 LF, >6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	50.20	
		For Work In Restricted Working Space, Add	*14.54*	
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	38.08	
		For Work In Restricted Working Space, Add	*10.91*	
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	28.99	
		For Work In Restricted Working Space, Add	*8.18*	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	22.16	
		For Work In Restricted Working Space, Add	*6.13*	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.51	
		For Work In Restricted Working Space, Add	*5.33*	

02 82 33 00-0017 **>12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0018	SET	Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,287.99	
		For Work In Restricted Working Space, Add	*370.84*	
02 82 33 00-0019	LF	>20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	66.93	
		For Work In Restricted Working Space, Add	*19.39*	
02 82 33 00-0020	LF	>250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	50.77	
		For Work In Restricted Working Space, Add	*14.54*	
02 82 33 00-0021	LF	>500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	38.66	
		For Work In Restricted Working Space, Add	*10.91*	
02 82 33 00-0022	LF	>2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	29.56	
		For Work In Restricted Working Space, Add	*8.18*	
02 82 33 00-0023	LF	>10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	26.02	
		For Work In Restricted Working Space, Add	*7.11*	

02 82 33 00-0024 **>18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0025	SET	Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,305.28	
		For Work In Restricted Working Space, Add	*370.84*	
02 82 33 00-0026	LF	>20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	92.03	
		For Work In Restricted Working Space, Add	*26.66*	
02 82 33 00-0027	LF	>250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	69.79	
		For Work In Restricted Working Space, Add	*19.99*	
02 82 33 00-0028	LF	>500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	53.14	
		For Work In Restricted Working Space, Add	*14.99*	
02 82 33 00-0029	LF	>2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	40.64	
		For Work In Restricted Working Space, Add	*11.24*	
02 82 33 00-0030	LF	>10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	35.76	
		For Work In Restricted Working Space, Add	*9.78*	

02 82 33 00-0031 **Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 33 00-0032	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	803.56	
		For Work In Restricted Working Space, Add	*239.51*	
02 82 33 00-0033	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	134.79	
		For Work In Restricted Working Space, Add	*39.92*	
02 82 33 00-0034	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	53.38	
		For Work In Restricted Working Space, Add	*15.50*	
02 82 33 00-0035	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	40.47	
		For Work In Restricted Working Space, Add	*11.62*	
02 82 33 00-0036	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	30.78	
		For Work In Restricted Working Space, Add	*8.72*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0037		Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0038		Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0037)*		
		Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0039	SET	Up To 20 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,246.93	
02 82 33 00-0040	SF	>20 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	42.57	
02 82 33 00-0041	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	33.62	
02 82 33 00-0042	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	25.32	
02 82 33 00-0043	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.09	
02 82 33 00-0044		Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0045		Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0044)*		
		Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0047 for areas > 1 SF see CSI section.		
02 82 33 00-0046	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal	206.45	
		Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0047		Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0044)*		
		Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0048	SET	Up To 20 SF, Fireproofing, Asbestos Abatement And Disposal	1,246.93	
02 82 33 00-0049	SF	>20 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	50.99	
02 82 33 00-0050	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	38.33	
02 82 33 00-0051	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	28.86	
02 82 33 00-0052	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	21.75	
02 82 33 00-0053		Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0044)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0054	SET	Up To 20 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,243.33	
02 82 33 00-0055	SF	>20 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	21.41	
02 82 33 00-0056	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	16.26	
02 82 33 00-0057	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.14	
02 82 33 00-0058	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.05	
02 82 33 00-0059		Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 33 00-0044)*		
02 82 33 00-0060	SET	Up To 20 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	1,250.53	
		For Additional Layer, Add	*339.93*	
02 82 33 00-0061	SF	>20 To 500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	16.51	
		For Additional Layer, Add	*4.46*	
02 82 33 00-0062	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.14	
		For Additional Layer, Add	*3.26*	
02 82 33 00-0063	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.56	
		For Additional Layer, Add	*2.55*	
02 82 33 00-0064	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.50	
		For Additional Layer, Add	*1.98*	
02 82 33 00-0065	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.95	
		For Additional Layer, Add	*1.56*	
02 82 33 00-0066	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.82	
		For Additional Layer, Add	*1.25*	
02 82 33 00-0067		Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0044)*		
02 82 33 00-0068	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	1,243.33	
02 82 33 00-0069	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	31.09	
02 82 33 00-0070	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	22.85	
02 82 33 00-0071	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	17.91	
02 82 33 00-0072	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	13.99	
02 82 33 00-0073	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.08	
02 82 33 00-0074		Stucco, Asbestos Abatement And Disposal *(02 82 33 00-0044)*		
02 82 33 00-0075	SET	Up To 20 SF, Stucco, Asbestos Abatement And Disposal	1,250.53	
02 82 33 00-0076	SF	>20 To 500 SF, Stucco, Asbestos Abatement And Disposal	27.17	
02 82 33 00-0077	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	20.41	
02 82 33 00-0078	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	15.41	
02 82 33 00-0079	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	11.62	
02 82 33 00-0080		Spray On Acoustical Ceiling, Asbestos Abatement And Disposal *(02 82 33 00-0044)*		
02 82 33 00-0081	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,250.53	
02 82 33 00-0082	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	14.03	
02 82 33 00-0083	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	10.88	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0084		SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.02	
02 82 33 00-0085		SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.07	
02 82 33 00-0086			**Flooring Material, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0087			**Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal** *(02 82 33 00-0086)*		
02 82 33 00-0088			**Floor Tile, Asbestos Abatement And Disposal** *(02 82 33 00-0087)*		
			Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0089		SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	1,239.00	
			For Each Additional Layer, Add	*185.85*	
02 82 33 00-0090		SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	8.72	
			For Each Additional Layer, Add	*1.31*	
02 82 33 00-0091		SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	7.14	
			For Each Additional Layer, Add	*1.07*	
02 82 33 00-0092		SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	5.70	
			For Each Additional Layer, Add	*0.86*	
02 82 33 00-0093		SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	3.95	
			For Each Additional Layer, Add	*0.59*	
02 82 33 00-0094			**Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal** *(02 82 33 00-0087)*		
			Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0095		SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	1,239.00	
			For Each Additional Layer, Add	*185.85*	
02 82 33 00-0096		SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	8.72	
			For Each Additional Layer, Add	*1.31*	
02 82 33 00-0097		SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	7.17	
			For Each Additional Layer, Add	*1.08*	
02 82 33 00-0098		SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	6.51	
			For Each Additional Layer, Add	*0.98*	
02 82 33 00-0099		SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.26	
			For Each Additional Layer, Add	*0.79*	
02 82 33 00-0100			**Carpet, Asbestos Abatement And Disposal** *(02 82 33 00-0087)*		
02 82 33 00-0101		SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	1,239.00	
02 82 33 00-0102		SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	6.83	
02 82 33 00-0103		SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	5.54	
02 82 33 00-0104		SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.06	
02 82 33 00-0105		SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	3.09	
02 82 33 00-0106			**Wall Or Cove Base, Asbestos Abatement And Disposal** *(02 82 33 00-0087)*		
			Note: Up to 12".		
02 82 33 00-0107		SET	Up To 50 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	415.64	
02 82 33 00-0108		LF	>50 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	5.63	
02 82 33 00-0109		LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.44	
02 82 33 00-0110		LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.20	
02 82 33 00-0111		LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.59	
02 82 33 00-0112			**Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0086)*		
			Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0113		SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal	1,243.33	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0114		SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal	3.15	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0115		SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal	2.33	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0116		SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal	1.81	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0117		SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal	1.46	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0118			**Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal** *(02 82 33 00-0086)*		
			Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0119		SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	1,264.94	
02 82 33 00-0120		SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	10.03	
02 82 33 00-0121		SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	7.39	
02 82 33 00-0122		SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.86	
02 82 33 00-0123		SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.62	
02 82 33 00-0124			**Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal** *(02 82 33 00-0086)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0125	SET	Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	1,250.52	
02 82 33 00-0126	SF	>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	11.17	
02 82 33 00-0127	SF	>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	7.35	
02 82 33 00-0128	SF	>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	5.80	
02 82 33 00-0129	SF	>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	4.78	
02 82 33 00-0130		Roofing, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0131		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0130)* Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0132		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0131)*		
02 82 33 00-0133	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,272.15	
02 82 33 00-0134	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.19	
02 82 33 00-0135	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.61	
02 82 33 00-0136	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.35	
02 82 33 00-0137	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.08	
02 82 33 00-0138	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.14	
02 82 33 00-0139		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0131)*		
02 82 33 00-0140	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,299.52	
02 82 33 00-0141	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.58	
02 82 33 00-0142	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.75	
02 82 33 00-0143	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.36	
02 82 33 00-0144	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.91	
02 82 33 00-0145	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.81	
02 82 33 00-0146		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0131)*		
02 82 33 00-0147	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,331.22	
02 82 33 00-0148	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	10.85	
02 82 33 00-0149	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.83	
02 82 33 00-0150	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.28	
02 82 33 00-0151	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.67	
02 82 33 00-0152	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.45	
02 82 33 00-0153		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0130)*		
02 82 33 00-0154		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0153)*		
02 82 33 00-0155	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,245.13	
02 82 33 00-0156	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	7.97	
		For Each Additional Layer, Add	*1.59*	
02 82 33 00-0157	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	6.39	
		For Each Additional Layer, Add	*1.28*	
02 82 33 00-0158	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.13	
		For Each Additional Layer, Add	*1.03*	
02 82 33 00-0159	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.86	
		For Each Additional Layer, Add	*0.77*	
02 82 33 00-0160	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.92	
		For Each Additional Layer, Add	*0.58*	
02 82 33 00-0161		Roof Penetration Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0130)*		
02 82 33 00-0162	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	412.76	
02 82 33 00-0163	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	3.16	
02 82 33 00-0164	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.61	
02 82 33 00-0165	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.11	
02 82 33 00-0166	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.55	
02 82 33 00-0167		Roof Curb Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0130)*		
02 82 33 00-0168	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	412.76	
02 82 33 00-0169	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	9.34	
02 82 33 00-0170	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	7.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0171	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	6.26	
02 82 33 00-0172	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.52	
02 82 33 00-0173		Asbestos-Cement Products, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0174		Interior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0173)*		
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0175	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,250.52	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0176	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	8.57	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0177	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.35	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0178	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.51	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0179	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.06	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0180		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0173)*		
02 82 33 00-0181	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,250.52	
02 82 33 00-0182	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.46	
02 82 33 00-0183	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.88	
02 82 33 00-0184	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.14	
02 82 33 00-0185	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.74	
02 82 33 00-0186		Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal *(02 82 33 00-0173)*		
02 82 33 00-0187	SET	Up To 20 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,047.39	
02 82 33 00-0188	LF	>20 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	43.87	
02 82 33 00-0189	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	33.34	
02 82 33 00-0190	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.44	
02 82 33 00-0191	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.51	
02 82 33 00-0192	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.06	
02 82 33 00-0193	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.75	
02 82 33 00-0194		Exterior Transite Siding, Asbestos Abatement And Disposal *(02 82 33 00-0173)*		
02 82 33 00-0195	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,260.54	
		Note: Single or first of multiple layers.		
02 82 33 00-0196	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	6.73	
		Note: Single or first of multiple layers.		
02 82 33 00-0197	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	5.41	
		Note: Single or first of multiple layers.		
02 82 33 00-0198	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	4.35	
		Note: Single or first of multiple layers.		
02 82 33 00-0199	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	3.30	
		Note: Single or first of multiple layers.		
02 82 33 00-0200	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.51	
		Note: Single or first of multiple layers.		
02 82 33 00-0201		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0202		Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal *(02 82 33 00-0201)*		
		Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.		
02 82 33 00-0203	SET	Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	619.50	
02 82 33 00-0204	SF	>10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	1.15	
02 82 33 00-0205	SF	>100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.75	
02 82 33 00-0206	SF	>500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.62	
02 82 33 00-0207	SF	>1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.53	
02 82 33 00-0208		Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal *(02 82 33 00-0201)*		
02 82 33 00-0209	SET	Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	829.84	
02 82 33 00-0210	SF	>10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	21.18	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0211	SF	>100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	14.49	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0212	SF	>250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	10.88	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0213	SF	>500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	8.82	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0214	SF	>2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	7.79	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0215	SF	>10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	6.77	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0216	SET	Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,040.19	
02 82 33 00-0217	SF	>10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	41.95	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0218	SF	>100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	28.32	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0219	SF	>250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	21.53	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0220	SF	>500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	17.40	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0221	SF	>2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	14.94	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0222	SF	>10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	13.55	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0223	SET	Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,253.41	
02 82 33 00-0224	SF	>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	83.67	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0225	SF	>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	56.35	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0226	SF	>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	42.76	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0227	SF	>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	34.50	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0228	SF	>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	29.59	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0229	SF	>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	26.80	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0230		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0201)*		
02 82 33 00-0231	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	841.37	
		For Work In Restricted Working Space, Add	*247.22*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0232	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	83.67	
		For Work In Restricted Working Space, Add	*24.58*	
02 82 33 00-0233	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	56.35	
		For Work In Restricted Working Space, Add	*16.39*	
02 82 33 00-0234	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	42.76	
		For Work In Restricted Working Space, Add	*12.31*	
02 82 33 00-0235	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	34.50	
		For Work In Restricted Working Space, Add	*9.83*	
02 82 33 00-0236	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	29.59	
		For Work In Restricted Working Space, Add	*8.36*	
02 82 33 00-0237	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	26.80	
		For Work In Restricted Working Space, Add	*7.52*	

02 82 33 00-0238 Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0239 30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0238)*

02 82 33 00-0240	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	419.82
02 82 33 00-0241	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	156.12
02 82 33 00-0242	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	141.28

02 82 33 00-0243 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 33 00-0238)*

02 82 33 00-0244	SET	Up To 25 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	412.40
02 82 33 00-0245	LF	>25 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	8.47
02 82 33 00-0246	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.36
02 82 33 00-0247	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.48
02 82 33 00-0248	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.72
02 82 33 00-0249	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.04
02 82 33 00-0250	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.50

02 82 33 00-0251 Grout, Asbestos Abatement And Disposal *(02 82 33 00-0238)*

Note: e.g. flue grout.

02 82 33 00-0252	SET	Up To 20 LF, Grout, Asbestos Abatement And Disposal	412.28
02 82 33 00-0253	LF	>20 To 50 LF, Grout, Asbestos Abatement And Disposal	16.24
02 82 33 00-0254	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	11.19
02 82 33 00-0255	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	9.59
02 82 33 00-0256	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	8.24
02 82 33 00-0257	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	7.10
02 82 33 00-0258	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	6.09

02 82 33 00-0259 Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0238)*

Note: e.g. rope, web cloth, flat.

02 82 33 00-0260	SET	Up To 15 LF, Gaskets, Asbestos Abatement And Disposal	412.40
02 82 33 00-0261	LF	>15 To 50 LF, Gaskets, Asbestos Abatement And Disposal	21.89
02 82 33 00-0262	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	16.43
02 82 33 00-0263	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	14.00
02 82 33 00-0264	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	12.60
02 82 33 00-0265	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.33
02 82 33 00-0266	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	10.78

02 82 33 00-0267 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal *(02 82 33 00-0238)*

Note: e.g. grid, spline, or glued on.

02 82 33 00-0268	SET	Up To 40 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal Note: Including Glue Removal	831.28
02 82 33 00-0269	SF	>40 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal Note: Including Glue Removal	17.65
02 82 33 00-0270	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	8.57
02 82 33 00-0271	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	5.82
02 82 33 00-0272	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	4.98

02 82 33 00-0273 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0238)*

Note: Includes ceiling tile, asbestos barrier paper, and furring strips.

02 82 33 00-0274	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	827.97
02 82 33 00-0275	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	17.65
02 82 33 00-0276	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	8.57
02 82 33 00-0277	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.82
02 82 33 00-0278	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.98

02 82 33 00-0279 Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0238)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0280		Non-Friable Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0279)*		
02 82 33 00-0281	SET	Up To 25 LF, Non-Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	412.28	
02 82 33 00-0282	LF	>25 To 50 LF, Non-Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	12.18	
02 82 33 00-0283	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	8.59	
02 82 33 00-0284	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	6.40	
02 82 33 00-0285	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	4.81	
02 82 33 00-0286	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.81	
02 82 33 00-0287	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.30	
02 82 33 00-0288		Wire Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0238)*		
02 82 33 00-0289		Wire Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0288)*		
02 82 33 00-0290	SET	Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	412.28	
02 82 33 00-0291	LF	>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	4.58	
02 82 33 00-0292	LF	>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	3.23	
02 82 33 00-0293	LF	>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.41	
02 82 33 00-0294	LF	>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.81	
02 82 33 00-0295	LF	>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.44	
02 82 33 00-0296	LF	>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.26	
02 82 33 00-0297		Asbestos Contaminated Paint, Asbestos Abatement And Disposal *(02 82 33 00-0238)*		
		Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0298	SET	Up To 10 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	515.77	
02 82 33 00-0299	SF	>10 To 500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	50.63	
02 82 33 00-0300	SF	>500 To 2,500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	37.97	
02 82 33 00-0301	SF	>2,500 To 10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	28.50	
02 82 33 00-0302	SF	>10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	21.39	
02 82 33 00-0303		Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0238)*		
02 82 33 00-0304	SF	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal	5.29	
02 82 33 00-0305	SF	Mastic On Walls, Asbestos Abatement And Disposal	20.67	
02 82 33 00-0306		Window Putty, Asbestos Abatement And Disposal *(02 82 33 00-0238)*		
02 82 33 00-0307	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	412.28	
02 82 33 00-0308	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	16.24	
02 82 33 00-0309	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	11.19	
02 82 33 00-0310	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	9.59	
02 82 33 00-0311	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	8.24	
02 82 33 00-0312	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal	7.10	
02 82 33 00-0313		Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0238)*		
02 82 33 00-0314	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	857.28	
02 82 33 00-0315	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	82.05	
02 82 33 00-0316	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	57.46	
02 82 33 00-0317	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	45.23	
02 82 33 00-0318	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	37.80	
02 82 33 00-0319	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	33.37	
02 82 33 00-0320	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	30.86	
02 82 33 00-0321		Other Material, Asbestos Abatement And Disposal *(02 82 33 00-0238)*		
02 82 33 00-0322	LF	Chemical Countertops, Asbestos Abatement And Disposal	28.05	
02 82 33 00-0323	EA	Chemical Fume Hood, Asbestos Abatement And Disposal	1,586.64	

02 83 Lead Remediation *(02 80)*

See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.

02 83 19 13-0001		Scrape And Sand Lead Paint *(02 83 19 13)*		
02 83 19 13-0002	SF	Hand Scrape Lead Paint From Concrete Or Masonry Surfaces	1.36	
02 83 19 13-0003	SF	Scrape Lead Paint, Repair And Sand Severely Damaged Drywall Surfaces	1.41	
02 83 19 13-0004	SF	Hand Scrape Lead Paint From Wood Surfaces	1.86	
02 83 19 13-0005	SF	Hand Scraping And Sanding Lead Paint From Metal Surfaces	1.90	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0006		**Lead Sampling And Testing** *(02 83 19 13)* Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		
02 83 19 13-0007	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	93.81	
02 83 19 13-0008	EA	X-Ray Fluorescence (XRF) Lead Testing Note: Including Technician, 3 Readings Per Surface And Lab Fee	74.96	
02 83 19 13-0009	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	71.76	
02 83 19 13-0010	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	108.72	
02 83 19 13-0011	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	152.21	
02 83 19 13-0012	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.27	
02 83 19 13-0013	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	43.49	
02 83 19 13-0014	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	54.36	
02 83 19 13-0015	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	71.76	
02 83 19 13-0016	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	108.72	
02 83 19 13-0017	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	11.96	
02 83 19 13-0018	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.31	
02 83 19 13-0019	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.92	
02 83 19 13-0020	EA	5 Day Turnaround Lead Air Samples And Lab Fee	11.96	
02 83 19 13-0021	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	16.31	
02 83 19 13-0022	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	23.92	
02 83 19 13-0023	EA	5 Day Turnaround Lead Water Test and Lab Fee	43.49	
02 83 19 13-0024	EA	24 Hour Turnaround Lead Water Test and Lab Fee	65.23	
02 83 19 13-0025	EA	8 Hour Turnaround Lead Water Test and Lab Fee	86.98	
02 83 19 13-0026	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	44.97	
02 83 19 13-0027	EA	5 Day Turnaround Lead Soil Test and Lab Fee	89.95	
02 83 19 13-0028		**Minimum Charge For Lead-Based Paint Remediation** *(02 83 19 13)*		
02 83 19 13-0029	EA	Lead-Based Paint Remediation Minimum Show Up Charge Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	1,272.73	
02 83 19 13-0030		**Chemical Stripping Of Lead Contaminated Material** *(02 83 19 13)* Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0031	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	36.00	
		For 0.025" (25 mil) Application, Add	*2.05*	
		For 0.03" (30 mil) Application, Add	*3.23*	
02 83 19 13-0032	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	53.37	
		For 0.025" (25 mil) Application, Add	*2.92*	
		For 0.03" (30 mil) Application, Add	*4.53*	
02 83 19 13-0033	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	15.46	
		For 0.025" (25 mil) Application, Add	*0.92*	
		For 0.03" (30 mil) Application, Add	*1.48*	
		For 0.125" (125 mil) Application, Add	*8.37*	
02 83 19 13-0034	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	31.55	
		For 0.025" (25 mil) Application, Add	*1.73*	
		For 0.03" (30 mil) Application, Add	*2.69*	
		For 0.125" (125 mil) Application, Add	*12.39*	
02 83 19 13-0035	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	16.82	
		For 0.025" (25 mil) Application, Add	*1.09*	
		For 0.03" (30 mil) Application, Add	*1.79*	
02 83 19 13-0036	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	47.58	
		For 0.025" (25 mil) Application, Add	*2.63*	
		For 0.03" (30 mil) Application, Add	*4.10*	
02 83 19 13-0037	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	10.38	
		For 0.025" (25 mil) Application, Add	*0.72*	
		For 0.03" (30 mil) Application, Add	*1.20*	
		For 0.125" (125 mil) Application, Add	*8.60*	
02 83 19 13-0038	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	30.09	
		For 0.025" (25 mil) Application, Add	*1.70*	
		For 0.03" (30 mil) Application, Add	*2.68*	
02 83 19 13-0039	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	38.33	
		For 0.025" (25 mil) Application, Add	*2.12*	
		For 0.03" (30 mil) Application, Add	*3.30*	
02 83 19 13-0040	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	14.30	
		For 0.025" (25 mil) Application, Add	*0.92*	
		For 0.03" (30 mil) Application, Add	*1.50*	
02 83 19 13-0041	SF	Columns, Chemical Stripping Of Lead Contaminated Material	13.75	
		For 0.025" (25 mil) Application, Add	*0.94*	
		For 0.03" (30 mil) Application, Add	*1.56*	
		For 0.125" (125 mil) Application, Add	*10.94*	
02 83 19 13-0042	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	12.12	
		For 0.025" (25 mil) Application, Add	*0.81*	
		For 0.03" (30 mil) Application, Add	*1.33*	
02 83 19 13-0043	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	14.88	
		For 0.025" (25 mil) Application, Add	*0.94*	
		For 0.03" (30 mil) Application, Add	*1.54*	
02 83 19 13-0044	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	21.93	
		For 0.025" (25 mil) Application, Add	*1.35*	
		For 0.03" (30 mil) Application, Add	*2.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0045	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	62.62	
		For 0.025" (25 mil) Application, Add	*3.53*	
		For 0.03" (30 mil) Application, Add	*5.55*	
02 83 19 13-0046	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	15.54	
		For 0.025" (25 mil) Application, Add	*0.98*	
		For 0.03" (30 mil) Application, Add	*1.59*	
02 83 19 13-0047	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material	8.56	
		For 0.025" (25 mil) Application, Add	*0.63*	
		For 0.03" (30 mil) Application, Add	*1.07*	
02 83 19 13-0048	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	32.15	
		For 0.025" (25 mil) Application, Add	*1.81*	
		For 0.03" (30 mil) Application, Add	*2.84*	
02 83 19 13-0049	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	38.33	
		For 0.025" (25 mil) Application, Add	*2.12*	
		For 0.03" (30 mil) Application, Add	*3.30*	
02 83 19 13-0050	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	20.17	
		For 0.025" (25 mil) Application, Add	*1.31*	
		For 0.03" (30 mil) Application, Add	*2.15*	
02 83 19 13-0051	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	24.84	
		For 0.025" (25 mil) Application, Add	*1.54*	
		For 0.03" (30 mil) Application, Add	*2.50*	
		For 0.125" (125 mil) Application, Add	*15.21*	
02 83 19 13-0052	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	6.94	
		For 0.025" (25 mil) Application, Add	*0.50*	
		For 0.03" (30 mil) Application, Add	*0.84*	
		For 0.125" (125 mil) Application, Add	*6.24*	
02 83 19 13-0053	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	11.13	
		For 0.025" (25 mil) Application, Add	*0.71*	
		For 0.03" (30 mil) Application, Add	*1.15*	
		For 0.125" (125 mil) Application, Add	*7.28*	
02 83 19 13-0054	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	19.92	
		For 0.025" (25 mil) Application, Add	*1.25*	
		For 0.03" (30 mil) Application, Add	*2.03*	
		For 0.125" (125 mil) Application, Add	*12.48*	
02 83 19 13-0055	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	27.29	
		For 0.025" (25 mil) Application, Add	*1.66*	
		For 0.03" (30 mil) Application, Add	*2.68*	
		For 0.125" (125 mil) Application, Add	*15.82*	
02 83 19 13-0056	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	48.92	
		For 0.025" (25 mil) Application, Add	*2.90*	
		For 0.03" (30 mil) Application, Add	*4.63*	
		For 0.125" (125 mil) Application, Add	*25.73*	
02 83 19 13-0057	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	14.61	
		For 0.025" (25 mil) Application, Add	*0.84*	
		For 0.03" (30 mil) Application, Add	*1.33*	
		For 0.125" (125 mil) Application, Add	*6.89*	
02 83 19 13-0058	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	290.44	
		For 0.025" (25 mil) Application, Add	*15.97*	
		For 0.03" (30 mil) Application, Add	*24.87*	
02 83 19 13-0059	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	20.41	
		For 0.025" (25 mil) Application, Add	*1.58*	
		For 0.03" (30 mil) Application, Add	*2.73*	
02 83 19 13-0060	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	22.33	
		For 0.025" (25 mil) Application, Add	*1.68*	
		For 0.03" (30 mil) Application, Add	*2.87*	
02 83 19 13-0061	SF	Siding, Chemical Stripping Of Lead Contaminated Material	11.63	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.40*	
		For 0.125" (125 mil) Application, Add	*10.41*	
02 83 19 13-0062	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	24.34	
		For 0.025" (25 mil) Application, Add	*1.42*	
		For 0.03" (30 mil) Application, Add	*2.25*	
		For 0.125" (125 mil) Application, Add	*12.09*	
02 83 19 13-0063	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	11.21	
		For 0.025" (25 mil) Application, Add	*0.76*	
		For 0.03" (30 mil) Application, Add	*1.27*	
		For 0.125" (125 mil) Application, Add	*8.80*	
02 83 19 13-0064	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	12.73	
		For 0.025" (25 mil) Application, Add	*0.84*	
		For 0.03" (30 mil) Application, Add	*1.38*	
		For 0.125" (125 mil) Application, Add	*9.18*	
02 83 19 13-0065	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	12.69	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.38*	
		For 0.125" (125 mil) Application, Add	*9.17*	
02 83 19 13-0066	SF	Steel Trusses, Chemical Stripping Of Lead Contaminated Material	17.97	
		For 0.025" (25 mil) Application, Add	*1.10*	
		For 0.03" (30 mil) Application, Add	*1.77*	
		For 0.125" (125 mil) Application, Add	*10.49*	
02 83 19 13-0067	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	12.69	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.38*	
		For 0.125" (125 mil) Application, Add	*9.17*	
02 83 19 13-0068	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	29.21	
		For 0.025" (25 mil) Application, Add	*1.66*	
		For 0.03" (30 mil) Application, Add	*2.62*	
02 83 19 13-0069	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	31.96	
		For 0.025" (25 mil) Application, Add	*1.80*	
		For 0.03" (30 mil) Application, Add	*2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0070	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	33.82	
		For 0.025" (25 mil) Application, Add	*1.89*	
		For 0.03" (30 mil) Application, Add	*2.96*	
02 83 19 13-0071	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	35.69	
		For 0.025" (25 mil) Application, Add	*1.98*	
		For 0.03" (30 mil) Application, Add	*3.10*	
02 83 19 13-0072	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	37.56	
		For 0.025" (25 mil) Application, Add	*2.08*	
		For 0.03" (30 mil) Application, Add	*3.24*	
02 83 19 13-0073	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	39.50	
		For 0.025" (25 mil) Application, Add	*2.18*	
		For 0.03" (30 mil) Application, Add	*3.39*	
02 83 19 13-0074	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	41.31	
		For 0.025" (25 mil) Application, Add	*2.27*	
		For 0.03" (30 mil) Application, Add	*3.52*	
02 83 19 13-0075	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	42.25	
		For 0.025" (25 mil) Application, Add	*2.31*	
		For 0.03" (30 mil) Application, Add	*3.59*	
02 83 19 13-0076	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	43.20	
		For 0.025" (25 mil) Application, Add	*2.36*	
		For 0.03" (30 mil) Application, Add	*3.67*	
02 83 19 13-0077	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	44.10	
		For 0.025" (25 mil) Application, Add	*2.41*	
		For 0.03" (30 mil) Application, Add	*3.73*	
02 83 19 13-0078	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	58.29	
		For 0.025" (25 mil) Application, Add	*3.31*	
		For 0.03" (30 mil) Application, Add	*5.22*	
		For 0.125" (125 mil) Application, Add	*26.57*	
02 83 19 13-0079	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	10.13	
		For 0.025" (25 mil) Application, Add	*0.66*	
		For 0.03" (30 mil) Application, Add	*1.08*	
		For 0.125" (125 mil) Application, Add	*7.03*	
02 83 19 13-0080	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	29.65	
		For 0.025" (25 mil) Application, Add	*1.78*	
		For 0.03" (30 mil) Application, Add	*2.86*	
		For 0.125" (125 mil) Application, Add	*16.41*	
02 83 19 13-0081	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	32.40	
		For 0.025" (25 mil) Application, Add	*1.87*	
		For 0.03" (30 mil) Application, Add	*2.96*	
		For 0.125" (125 mil) Application, Add	*15.60*	

02 83 19 13-0082 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0083	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	2.56
02 83 19 13-0084	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.49
02 83 19 13-0085	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.95
02 83 19 13-0086	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.48
02 83 19 13-0087	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	71.43
02 83 19 13-0088	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	94.75
02 83 19 13-0089	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	10.58
02 83 19 13-0090	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	5.92
02 83 19 13-0091	SF	Demolish Brick, Lead Contaminated Material	4.46
02 83 19 13-0092	SF	Demolish Concrete Block, Lead Contaminated Material	5.74
02 83 19 13-0093	SF	Demolish Tile, Lead Contaminated Material	4.33
02 83 19 13-0094	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	6.51
02 83 19 13-0095	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	5.07
02 83 19 13-0096	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	6.76
02 83 19 13-0097	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	7.40
02 83 19 13-0098	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.92
02 83 19 13-0099	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	2.41
02 83 19 13-0100	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.57
02 83 19 13-0101	SF	Demolish Concrete, Lead Contaminated Material	14.73
02 83 19 13-0102	LF	Demolish Cabinets, Lead Contaminated Material	34.32
02 83 19 13-0103	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.95
02 83 19 13-0104	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	19.01
02 83 19 13-0105	SF	Demolish Cornice, Lead Contaminated Material	2.52
02 83 19 13-0106	EA	Demolish Doors, Lead Contaminated Material	74.45
02 83 19 13-0107	LF	Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material	2.26
02 83 19 13-0108	EA	Demolish Electrical Devices, Lead Contaminated Material	22.84
02 83 19 13-0109	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	2.93
02 83 19 13-0110	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	4.88
02 83 19 13-0111	SF	Demolish Wood Floors, Lead Contaminated Material	3.51
02 83 19 13-0112	SF	Demolish Grilles, Lead Contaminated Material	4.13
02 83 19 13-0113	EA	Demolish Hinges, Lead Contaminated Material	8.31
02 83 19 13-0114	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	17.85
02 83 19 13-0115	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	7.32

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0116	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	10.67	
02 83 19 13-0117	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	16.13	
02 83 19 13-0118	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	29.75	
02 83 19 13-0119	EA	Demolish Radiators, Lead Contaminated Material	128.50	
02 83 19 13-0120	EA	Demolish Shutters, Lead Contaminated Material	50.08	
02 83 19 13-0121	SF	Demolish Siding, Lead Contaminated Material	1.99	
02 83 19 13-0122	SF	Demolish Soffit, Lead Contaminated Material	1.69	
02 83 19 13-0123	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	4.63	
02 83 19 13-0124	SF	Demolish Steel Beams, Lead Contaminated Material	5.46	
02 83 19 13-0125	SF	Demolish Trusses, Lead Contaminated Material	7.15	
02 83 19 13-0126	SF	Demolish Walls, Wood, Lead Contaminated Material	5.29	
02 83 19 13-0127	SF	Demolish Windows, Lead Contaminated Material	17.77	
02 83 19 13-0128	SF	Demolish Metal Stair, Lead Contaminated Material	8.51	
02 83 19 13-0129	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	6.26	
02 83 19 13-0130	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	10.21	
02 83 19 13-0131	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.81	
02 83 19 13-0132	SF	Demolish Plywood, Lead Contaminated Material	7.69	
02 83 19 13-0133	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	3.75	
02 83 19 13-0134	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	23.45	
02 83 19 13-0135	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	5.12	
02 83 19 13-0136	LF	Demolish Metal Guard Rails, Lead Contaminated Material	14.07	
02 83 19 13-0137	LF	Demolish Roof Metal Trim, Lead Contaminated Material	3.00	
02 83 19 13-0138	LF	Demolish Rain Gutters, Lead Contaminated Material	5.16	
02 83 19 13-0139	LF	Demolish Downspouts, Lead Contaminated Material	4.22	
02 83 19 13-0140	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material	5.21	
02 83 19 13-0141	LF	Demolish Roof Metal Flashing, Lead Contaminated Material	3.00	
02 83 19 13-0142	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material	7.51	
02 83 19 13-0143	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	7.51	
02 83 19 13-0144	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	5.39	
02 83 19 13-0145	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	4.22	
02 83 19 13-0146	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.28	
02 83 19 13-0147	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	23.45	
02 83 19 13-0148	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	16.68	
02 83 19 13-0149	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	12.50	
02 83 19 13-0150	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	9.38	
02 83 19 13-0151		Wet Sanding/Light Scraping Of Lead Contaminated Material *(02 83 19 13)* Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0152	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting	3.58	
02 83 19 13-0153		Lead Abatement Encapsulation *(02 83 19 13)* Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0154	SF	Balustrades, Lead Abatement Encapsulation	6.51	
02 83 19 13-0155	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	6.43	
02 83 19 13-0156	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	8.74	
02 83 19 13-0157	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	4.19	
02 83 19 13-0158	SF	Ornate Cabinets, Lead Abatement Encapsulation	9.41	
02 83 19 13-0159	SF	Simple Design Cabinets, Lead Abatement Encapsulation	7.67	
02 83 19 13-0160	SF	Drywall Ceilings, Lead Abatement Encapsulation	2.64	
02 83 19 13-0161	SF	Wood Ceilings, Lead Abatement Encapsulation	3.20	
02 83 19 13-0162	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.97	
02 83 19 13-0163	SF	Columns, Lead Abatement Encapsulation	5.06	
02 83 19 13-0164	SF	Doors, Lead Abatement Encapsulation	9.63	
02 83 19 13-0165	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	4.25	
02 83 19 13-0166	SF	Picket Fence (Brush), Lead Abatement Encapsulation	3.03	
02 83 19 13-0167	SF	Wood Floors (Roller), Lead Abatement Encapsulation	2.54	
02 83 19 13-0168	SF	Grilles, Vents, Lead Abatement Encapsulation	7.02	
02 83 19 13-0169	LF	Gutters And Downspouts, Lead Abatement Encapsulation	6.51	
02 83 19 13-0170	EA	Hangers, Lead Abatement Encapsulation	55.23	
02 83 19 13-0171	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	3.95	
02 83 19 13-0172	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	5.71	
02 83 19 13-0173	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	8.86	
02 83 19 13-0174	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	13.08	
02 83 19 13-0175	EA	Radiators, Lead Abatement Encapsulation	143.49	
02 83 19 13-0176	EA	Up To 6' Shutters, Lead Abatement Encapsulation	204.84	
02 83 19 13-0177	SF	Siding, Lead Abatement Encapsulation	3.61	
02 83 19 13-0178	SF	Up To 12" Soffit, Lead Abatement Encapsulation	5.06	
02 83 19 13-0179	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	4.19	
02 83 19 13-0180	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	5.47	
02 83 19 13-0181	SF	Trusses, Lead Abatement Encapsulation	5.47	
02 83 19 13-0182	SF	Drywall Walls, Lead Abatement Encapsulation	2.36	
02 83 19 13-0183	SF	Wood Walls, Lead Abatement Encapsulation	2.89	
02 83 19 13-0184	EA	Window Without Grille, Lead Abatement Encapsulation	121.65	
02 83 19 13-0185	EA	Window With Grille, Lead Abatement Encapsulation	156.34	
02 83 19 13-0186	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation	3.71	
02 83 19 13-0187	LF	Steel Lintels, Lead Abatement Encapsulation	4.27	

02 83 33 Removal and Disposal of Material Containing Lead *(02 83)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 83 33 13 Lead-Based Paint Removal and Disposal *(02 83 33)*

02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*

02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.30
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.29
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.48

02 84 Polychlorinated Biphenyl Remediation *(02 80)*

02 84 16 Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury *(02 84)*

02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)*

Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.

02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	10.39

02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)*

Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.

02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	3.31
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	4.21
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	9.96
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	20.84

02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)*

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.

02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	6.03
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.30
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	25.59
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	49.70

02 84 33 Removal and Disposal of Polychlorinated Biphenyls *(02 84)*

02 84 33 00-0001 Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers *(02 84 33)*

Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.

02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	3,900.21
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	6,121.83
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB)	1,696.65
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	7,356.13
02 84 33 00-0006	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	2,996.80
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	11,592.00

02 86 Hazardous Waste Drum Handling *(02 80)*

02 86 00 00-0001 Hazardous Waste Packaging *(02 86)*

02 86 00 00-0002 Overpacks *(02 86 00 00-0001)*

02 86 00 00-0003 Steel Salvage Drums, 16 Gauge *(02 86 00 00-0002)*

02 86 00 00-0004	EA	110 Gallon, 30" Diameter X 41" High	515.13
02 86 00 00-0005	EA	85 Gallon, 26" Diameter X 38" High	293.23
02 86 00 00-0006	EA	83 Gallon, 26" Diameter X 36" High	283.01
02 86 00 00-0007	EA	55 Gallon, DOT 17C, 18" Diameter X 34" High	177.06
02 86 00 00-0008	EA	30 Gallon, DOT 17C, 18" Diameter X 28" High	139.48
02 86 00 00-0009	EA	22 Gallon, 16" Diameter X 25" High	93.97
02 86 00 00-0010	EA	15 Gallon, DOT 17C, 14" Diameter X 24" High	84.97
02 86 00 00-0011	EA	10 Gallon, 13.8" Diameter X 15" High	74.87

02 86 00 00-0012 Polyethylene Overpacks *(02 86 00 00-0002)*

02 86 00 00-0013	EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	581.87
02 86 00 00-0014	EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	107.53
02 86 00 00-0015	EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High	526.52

02 86 00 00-0016 Composite Overpacks *(02 86 00 00-0002)*

02 86 00 00-0017	EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums	285.72
02 86 00 00-0018	EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums	392.08
02 86 00 00-0019	EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	531.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0020		DOT E-9168 Exempt Packaging *(02 86 00 00-0002)*		
02 86 00 00-0021	EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	49.55	
02 86 00 00-0022	EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	52.28	
02 86 00 00-0023	EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	51.11	
02 86 00 00-0024	EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	25.31	
02 86 00 00-0025	EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	15.31	
02 86 00 00-0026	EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	8.10	
02 86 00 00-0027	EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	10.53	
02 86 00 00-0028		Steel Drums *(02 86 00 00-0001)*		
02 86 00 00-0029		UN Rated Steel Drums *(02 86 00 00-0028)*		
02 86 00 00-0030	EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	135.52	
02 86 00 00-0031	EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	128.09	
02 86 00 00-0032	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	103.86	
02 86 00 00-0033	EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	81.85	
02 86 00 00-0034	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	94.88	
02 86 00 00-0035	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	80.65	
02 86 00 00-0036	EA	30 Gallon, 17E, Open, Steel Drum	58.51	
02 86 00 00-0037	EA	20 Gallon, 17C, Open, Steel Drum	82.23	
02 86 00 00-0038	EA	20 Gallon, 17E, Open, Steel Drum	55.35	
02 86 00 00-0039	EA	8 Gallon, 17C, Open, Steel Drum	95.94	
02 86 00 00-0040	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,598.52	
02 86 00 00-0041	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,568.59	
02 86 00 00-0042	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	1,412.93	
02 86 00 00-0043	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,508.72	
02 86 00 00-0044	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	1,472.80	
02 86 00 00-0045	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	1,445.85	
02 86 00 00-0046	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	1,302.17	
02 86 00 00-0047	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	1,140.52	
02 86 00 00-0048	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	1,113.58	
02 86 00 00-0049	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	1,092.62	
02 86 00 00-0050	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	984.86	
02 86 00 00-0051	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	927.98	
02 86 00 00-0052	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	892.06	
02 86 00 00-0053	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	853.14	
02 86 00 00-0054	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	823.21	
02 86 00 00-0055	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,559.61	
02 86 00 00-0056	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,529.67	
02 86 00 00-0057	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	1,380.00	
02 86 00 00-0058	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	1,308.15	
02 86 00 00-0059	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	1,445.85	
02 86 00 00-0060	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	1,418.91	
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	1,278.22	
02 86 00 00-0062	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	1,212.36	
02 86 00 00-0063	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	137.65	
02 86 00 00-0064	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	122.00	
02 86 00 00-0065	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	106.36	
02 86 00 00-0066	EA	55 Gallon Reconditioned Steel 17h Drum (50+)	93.85	
02 86 00 00-0067		Plastic Drums *(02 86 00 00-0001)*		
02 86 00 00-0068		Polyethylene Closed Head Drums *(02 86 00 00-0067)*		
		Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	85.08	
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	65.31	
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	59.30	
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	41.43	
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	40.64	
02 86 00 00-0074		Polyethylene Open Head Drums *(02 86 00 00-0067)*		
		Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	107.53	
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	79.07	
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	75.11	
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	55.35	
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	47.44	
02 86 00 00-0080		Fiber Drums *(02 86 00 00-0001)*		
02 86 00 00-0081		Steel Top/Fiber Bottom Drums, Hazardous *(02 86 00 00-0080)*		
		Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9)	65.15	
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24)	61.04	
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49)	55.66	
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+)	55.03	
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9)	67.05	
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24)	63.25	
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49)	58.51	
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99)	56.61	
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+)	49.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	41.75	
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	45.54	
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	53.13	
02 86 00 00-0094		Loading Hazardous Waste For Shipment *(02 86 00 00-0001)*		
02 86 00 00-0095	EA	Load Drums On Disposal Truck	12.00	
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	1,250.54	
02 86 00 00-0097		Transport Drums To Landfill *(02 86 00 00-0001)* Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098	EA	Transport Drum To Landfill Note: Includes transportation for up to 25 miles.	102.29	

02 87 Bio-Hazard Material Remediation *(02 80)*

02 87 13 Mold Remediation *(02 87)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

02 87 13 33-0001		Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)* Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002		Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)* Note: Diameter is outer size of insulation.		
02 87 13 33-0003		Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)* Note: Excludes encased fittings.		
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	832.73	
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	32.30	
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.33	
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.36	
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	13.87	
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.12	
02 87 13 33-0010		>6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*		
02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	858.66	
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	38.37	
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	29.21	
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.34	
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.18	
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.18	
02 87 13 33-0017		Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0018		Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0017)*		
02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	845.69	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	18.74	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.17	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	10.73	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.32	
02 87 13 33-0024		Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)* Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025		Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)* Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	838.49	
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	18.60	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	14.03	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.59	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	8.03	
02 87 13 33-0031		Acoustical Plaster, Mold Abatement And Disposal *(02 87 13 33-0024)* Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	838.49	
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	18.60	
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	14.03	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	10.59	
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.03	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 87 13 33-0037 Gypsum Board, Mold Abatement And Disposal *(02 87 13 33-0024)*

02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	852.90
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.21
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	4.93
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.89
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.86

02 87 13 33-0043 Fireproofing, Mold Abatement And Disposal *(02 87 13 33-0024)*

Note: Exposed surface area, includes associated overspray.

02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	845.69
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	25.66
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	19.38
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	14.65
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	11.09

02 87 13 33-0049 Flooring, Mold Abatement And Disposal *(02 87 13 33)*

Note: Includes cove base.

02 87 13 33-0050 Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0049)*

02 87 13 33-0051 Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0050)*

Note: Single layer or first of multiple layers.

02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	852.90
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.18
		For Each Additional Layer, Add	*1.55*
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.46
		For Each Additional Layer, Add	*0.87*
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.01
		For Each Additional Layer, Add	*0.50*
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.56
		For Each Additional Layer, Add	*0.39*

02 87 13 33-0057 Carpet, Mold Abatement And Disposal *(02 87 13 33-0049)*

02 87 13 33-0058 Carpet, Glue Down, Mold Abatement And Disposal *(02 87 13 33-0057)*

02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	852.90
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.14
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.23
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.17
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.67

02 87 13 33-0064 Carpet, Padded With Tack Strips, Mold Abatement And Disposal *(02 87 13 33-0057)*

02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	852.90
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	5.78
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	4.21
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	3.34
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	2.58

02 87 13 33-0070 Subflooring, Mold Abatement And Disposal *(02 87 13 33-0049)*

02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	845.69
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	7.10
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	4.56
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.75
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.76

02 87 13 33-0076 Siding, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0077 Interior Paneling, Mold Abatement And Disposal *(02 87 13 33-0076)*

Note: Includes detachment of mounted objects before removal.

02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	852.90
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	6.16
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	4.33
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.53
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1.94

02 87 13 33-0083 Exterior Siding, Mold Abatement And Disposal *(02 87 13 33-0076)*

02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	852.90
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.31	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.59	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.23	

02 87 13 33-0089 Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0090 Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33-0089)*

02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	858.66	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	30.23	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	20.73	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	15.98	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	13.13	
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.96	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.33	

02 87 13 33-0098 Other Mold Containing Materials, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0099 Wood Studs, Mold Abatement And Disposal *(02 87 13 33-0098)*

Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.

02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	426.44	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.46	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.57	
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.01	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.52	

02 87 13 33-0105 Ceiling Tile, Mold Abatement And Disposal *(02 87 13 33-0098)*

Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.

02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	852.90	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	10.59	
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	4.98	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.59	
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.53	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.46	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.04	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.65	

02 87 13 33-0114 Caulking, Mold Abatement And Disposal *(02 87 13 33-0098)*

02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	206.50	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	4.14	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	2.96	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.25	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.67	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.35	
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.16	

02 87 13 33-0122 Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0098)*

02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	22.90	
		For >25 To 50, Deduct	*-2.29*	
		For >50 To 200, Deduct	*-5.72*	
		For >200, Deduct	*-9.16*	
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	26.94	
		For >25 To 50, Deduct	*-2.69*	
		For >50 To 200, Deduct	*-6.73*	
		For >200, Deduct	*-10.77*	
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	30.65	
		For >25 To 50, Deduct	*-3.06*	
		For >50 To 200, Deduct	*-7.66*	
		For >200, Deduct	*-12.26*	
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	24.99	
		For >25 To 50, Deduct	*-2.50*	
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	31.71	
		For >25 To 50, Deduct	*-3.17*	
		For >50 To 200, Deduct	*-7.93*	
		For >200, Deduct	*-12.68*	

02 87 13 33-0128 Cabinets *(02 87 13 33-0098)*

02 87 13 33-0129	SET	Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	902.11	
02 87 13 33-0130	LF	>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	95.20	
02 87 13 33-0131	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	70.25	
02 87 13 33-0132	SET	Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	850.24	
02 87 13 33-0133	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	80.04	
02 87 13 33-0134	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	55.09	

02 87 16 Excrement Removal *(02 87)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

the total quantity for the entire project, not a particular work area.

02 87 16 13 Bird Excrement Removal *(02 87 16)*

02 87 16 13-0001 Bird Waste Removal *(02 87 16 13)*

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	824.08
		For Work In Restricted Working Space, Add	*247.22*
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	13.74
		For Work In Restricted Working Space, Add	*4.12*
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	12.49
		For Work In Restricted Working Space, Add	*3.75*
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	11.35
		For Work In Restricted Working Space, Add	*3.41*
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	10.32
		For Work In Restricted Working Space, Add	*3.10*

02 87 19 Bio-Hazard and Infectious Disease Control Remediation *(02 87)*

02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	725.40
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	689.09
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	543.83
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	628.56
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) Note: Includes a hydraulic closer and a lever style lockset standard.	1,227.76
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	250.12
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	332.43
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	356.64
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	207.76
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,469.86
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	207.76
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,106.71
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	15.44
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	339.43

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.64
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.85
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.14
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.76
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.97
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.26

02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal after use.

02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.09
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.11
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.49

02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal after use.

02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.08
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.83
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.26
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	10.19
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.10

02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.	26.66
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	3.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0037		**Plexiglass Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	22.58	
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	26.42	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	36.87	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control Note: Excludes gloves.	1,535.22	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	550.08	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	875.54	
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	162.40	
02 87 19 00-0045		**Temporary Portable And Mobile Trailers** *(02 87 19)*		
02 87 19 00-0046		**Trailer Delivery** *(02 87 19 00-0045)*		
02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	1,240.13	
02 87 19 00-0048		**Portable And Mobile Trailers, Purchase** *(02 87 19 00-0045)* Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	13,423.93	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	18,962.33	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	27,051.84	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	33,800.05	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	38,426.20	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	40,399.67	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	44,952.45	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0056		**Accessories For Portable And Mobile Trailers** *(02 87 19 00-0045)*		
02 87 19 00-0057		**Skirting** *(02 87 19 00-0056)* Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt	5.79	2.32
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt	8.53	3.82
02 87 19 00-0060		**Aluminum Modular Access Ramp** *(02 87 19 00-0056)* Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp	3,930.56	44.35
02 87 19 00-0062		**Aluminum Modular Stairs** *(02 87 19 00-0056)* Note: Excludes earthwork		
02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers	1,087.54	
02 87 19 00-0064		**Decontamination Chambers For Bio-Hazard And Infectious Disease Control** *(02 87 19)* Note: Includes removal after use.		
02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,067.82	
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,259.15	
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	656.64	
02 87 19 00-0068		**Bio-Hazard And Infectious Disease Control Cleaning, Level 2** *(02 87 19)* Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069		**Bio-Hazard And Infectious Disease Control Cleaning Mobilization** *(02 87 19 00-0068)*		
02 87 19 00-0070	EA	Bio-Hazard And Infectious Disease Control Mobilization And Set-Up Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.	427.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0071		**Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces** *(02 87 19 00-0068)* Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	31.71	
		For >25 To 50, Deduct	*-3.17*	
		For >50 To 200, Deduct	*-6.34*	
		For >200, Deduct	*-9.51*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-6.34*	
		For Level 3 Biohazard Cleaning, Add	*10.46*	
02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	37.31	
		For >25 To 50, Deduct	*-3.73*	
		For >50 To 200, Deduct	*-7.46*	
		For >200, Deduct	*-11.19*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.46*	
		For Level 3 Biohazard Cleaning, Add	*12.31*	
02 87 19 00-0074	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	42.43	
		For >25 To 50, Deduct	*-4.24*	
		For >50 To 200, Deduct	*-8.48*	
		For >200, Deduct	*-12.72*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-8.48*	
		For Level 3 Biohazard Cleaning, Add	*14.00*	
02 87 19 00-0075	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	34.59	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For >5 To 10, Deduct	*-1.73*	
		For >10 To 50, Deduct	*-3.46*	
		For >50, Deduct	*-6.91*	
		For Level 1 Biohazard Cleaning, Deduct	*-6.91*	
		For Level 3 Biohazard Cleaning, Add	*11.41*	
02 87 19 00-0076	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	43.89	
		For >25 To 50, Deduct	*-4.39*	
		For >50 To 200, Deduct	*-8.77*	
		For >200, Deduct	*-13.16*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-8.77*	
		For Level 3 Biohazard Cleaning, Add	*14.48*	
02 87 19 00-0077		**Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials** *(02 87 19 00-0068)* Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	81.97	
		For Level 1 Biohazard Cleaning, Deduct	*-16.39*	
		For Level 3 Biohazard Cleaning, Add	*27.04*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	37.62	
		For Level 1 Biohazard Cleaning, Deduct	*-7.52*	
		For Level 3 Biohazard Cleaning, Add	*12.41*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*5.00*	
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	132.05	
		For Level 1 Biohazard Cleaning, Deduct	*-26.41*	
		For Level 3 Biohazard Cleaning, Add	*43.57*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	8.14	
		For Level 1 Biohazard Cleaning, Deduct	*-1.62*	
		For Level 3 Biohazard Cleaning, Add	*2.68*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.50*	
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers	121.72	
		For Level 1 Biohazard Cleaning, Deduct	*-24.34*	
		For Level 3 Biohazard Cleaning, Add	*40.16*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up	13.00	
		For Level 1 Biohazard Cleaning, Deduct	*-2.60*	
		For Level 3 Biohazard Cleaning, Add	*4.28*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.50*	
02 87 19 00-0084		**Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork** *(02 87 19 00-0068)*		
02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.78	
		For Level 1 Biohazard Cleaning, Deduct	*-0.95*	
		For Level 3 Biohazard Cleaning, Add	*1.57*	
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	6.00	
		For Level 1 Biohazard Cleaning, Deduct	*-1.19*	
		For Level 3 Biohazard Cleaning, Add	*1.96*	
02 87 19 00-0087	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	8.04	
		For Level 1 Biohazard Cleaning, Deduct	*-1.58*	
		For Level 3 Biohazard Cleaning, Add	*2.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	11.39	
		For Level 1 Biohazard Cleaning, Deduct	*-2.23*	
		For Level 3 Biohazard Cleaning, Add	*3.68*	
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning	213.93	
		For Level 1 Biohazard Cleaning, Deduct	*-42.78*	
		For Level 3 Biohazard Cleaning, Add	*70.59*	
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	14.87	
		For Level 1 Biohazard Cleaning, Deduct	*-2.97*	
		For Level 3 Biohazard Cleaning, Add	*4.90*	
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	142.63	
		For Level 1 Biohazard Cleaning, Deduct	*-28.52*	
		For Level 3 Biohazard Cleaning, Add	*47.06*	
02 87 19 00-0092	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning	427.83	
		For Level 1 Biohazard Cleaning, Deduct	*-85.56*	
		For Level 3 Biohazard Cleaning, Add	*141.18*	
02 87 19 00-0093	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning Note: Includes removal and reinstallation.	35.67	
		For Level 1 Biohazard Cleaning, Deduct	*-7.13*	
		For Level 3 Biohazard Cleaning, Add	*11.76*	
02 87 19 00-0094	SF	Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.64	
		For Level 1 Biohazard Cleaning, Deduct	*-0.11*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	
02 87 19 00-0095	SF	Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.72	
		For Level 1 Biohazard Cleaning, Deduct	*-0.11*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	

02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	102.87
02 87 19 00-0098	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	438.15
02 87 19 00-0099	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	1,226.82
02 87 19 00-0100	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	160.68
02 87 19 00-0101	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	441.86
02 87 19 00-0102	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	1,205.08
02 87 19 00-0103	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	34.77
02 87 19 00-0104	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	95.61
02 87 19 00-0105	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	260.76
02 87 19 00-0106	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	109.47
02 87 19 00-0107	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	449.63
02 87 19 00-0108	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	1,358.66
02 87 19 00-0109	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up Note: Required if over 800 hours operation.	125.73
02 87 19 00-0110	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	342.34
02 87 19 00-0111	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	684.68
02 87 19 00-0112	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,369.37
02 87 19 00-0113	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	456.46
02 87 19 00-0114	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	912.91
02 87 19 00-0115	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,825.82
02 87 19 00-0116	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,008.89
02 87 19 00-0117	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,017.78
02 87 19 00-0118	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	4,035.55
02 87 19 00-0119	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,345.18
02 87 19 00-0120	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,690.37
02 87 19 00-0121	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	5,380.74
02 87 19 00-0122	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,681.48
02 87 19 00-0123	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	3,362.96
02 87 19 00-0124	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	6,725.92
02 87 19 00-0125	EA	Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	130.92
02 87 19 00-0126	EA	Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	261.85
02 87 19 00-0127	EA	Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	785.53
02 87 19 00-0128	EA	Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	1,571.07
02 87 19 00-0129	EA	Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	2,618.45
02 87 19 00-0130	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	74.86
02 87 19 00-0131	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	205.86
02 87 19 00-0132	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	561.44

02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck *(02 87 19)*

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0134	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	114.59	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.43*	
02 87 19 00-0135	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up Note: Each first 15 miles per trip	168.83	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.11*	
02 87 19 00-0136	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	174.75	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.18*	
02 87 19 00-0137	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	182.66	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.28*	

02 87 19 00-0138 Bio-Hazard And Infectious Disease Control Disposal *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	46.68	

02 87 19 00-0140 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters *(02 87 19)*

Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.

02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	46,694.26	
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,488.88	
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,427.28	
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846)	6.94	
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	2,038.62	
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	33,390.25	
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,163.84	
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	52,555.71	
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595)	317.30	
02 87 19 00-0150	EA	10 Lb. Sledgehammer (AKS-AA268)	95.96	

02 87 19 00-0151 Bio-Hazard And Infectious Disease Time And Material Tasks *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0152 Bio-Hazard And Infectious Disease Control Labor *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up	110.12	
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up	161.25	
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	103.65	
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up	124.63	
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	137.06	

02 87 19 00-0158 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	11.51	
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	18.61	
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	12.06	
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	129.50	
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	40.21	
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	395.08	
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	54.01	
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	98.12	
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	20.86	
02 87 19 00-0168	EA	Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	17.81	
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	2,640.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0170		**Bio-Hazard And Infectious Disease Control Expendables** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0035 for temporary walls.		
02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Clean-up	8.97	
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up	4.34	
02 87 19 00-0173	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Clean Up	87.93	
02 87 19 00-0174	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	359.84	
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up	9.21	
02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up	5.76	
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up	11.44	
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up	78.62	
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up	46.12	
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up	6.72	
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up	18.00	
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up	141.99	

02 89 Hazmat Ancillary Tasks and Support *(02 80)*

02 89 00 00-0001		**Barriers And Protection** *(02 89)* Note: Includes removal and disposal after use.		
02 89 00 00-0002		**Isolation Barriers/Infectious Control** *(02 89 00 00-0001)* See CSI section 01 56 16 00-0035 for temporary stud walls.		
02 89 00 00-0003		**Hazmat Containment Construction Plastic Sheeting** *(02 89 00 00-0001)*		
02 89 00 00-0004	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.51	
02 89 00 00-0005	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.67	
02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.88	
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.79	
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.99	
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.30	
02 89 00 00-0010		**Cleaning Surfaces** *(02 89 00 00-0001)* Note: Other surfaces outside contamination area but not contaminated by, or part of removal.		
02 89 00 00-0011	SF	Up To 100 SF, Clean Non-Asbestos Surface	2.02	
02 89 00 00-0012	SF	>100 To 500 SF, Clean Non-Asbestos Surface	1.42	
02 89 00 00-0013	SF	>500 To 1,000 SF, Clean Non-Asbestos Surface	0.93	
02 89 00 00-0014	SF	>1,000 SF, Clean Non-Asbestos Surface	0.73	
02 89 00 00-0015		**Decontamination Chambers** *(02 89)* Note: Includes removal after use.		
02 89 00 00-0016	EA	3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,082.45	
02 89 00 00-0017	EA	5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,276.71	
02 89 00 00-0018	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	668.35	
		For Dismantling And Relocation To A Different Area, Add	*437.81*	

02 90 Disaster Recovery *(02)*

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Disaster Clean-up *(02 90)*

02 90 50 00-0001		**Non-Mold Contaminated Wet Material Removal** *(02 90 50)* Note: For materials not requiring mold abatement.		
02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	27.16	
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up	6.61	
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up	0.55	
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up	0.66	
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.64	
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	1.01	
02 90 50 00-0008		**Cleaning** *(02 90 50)* Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009		**Clean Furnishings** *(02 90 50 00-0008)*		
02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up	28.40	
		For Medium Clean, Add	*11.93*	
		For Heavy Clean, Add	*36.92*	
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.58	
		For Medium Clean, Add	*0.66*	
		For Heavy Clean, Add	*2.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.84	
		For Medium Clean, Add	*1.19*	
		For Heavy Clean, Add	*3.69*	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.20	
		For Medium Clean, Add	*3.44*	
		For Heavy Clean, Add	*10.66*	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	26.51	
		For Medium Clean, Add	*11.13*	
		For Heavy Clean, Add	*34.46*	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	163.47	
		For Medium Clean, Add	*68.66*	
		For Heavy Clean, Add	*212.51*	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	33.45	
		For Medium Clean, Add	*14.05*	
		For Heavy Clean, Add	*43.49*	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	31.56	
		For Medium Clean, Add	*13.26*	
		For Heavy Clean, Add	*41.03*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.92	
		For Medium Clean, Add	*2.91*	
		For Heavy Clean, Add	*9.00*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	8.85	
		For Medium Clean, Add	*3.72*	
		For Heavy Clean, Add	*11.51*	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26	
		For Medium Clean, Add	*3.05*	
		For Heavy Clean, Add	*9.44*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.20	
		For Medium Clean, Add	*5.96*	
		For Heavy Clean, Add	*18.46*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26	
		For Medium Clean, Add	*3.05*	
		For Heavy Clean, Add	*9.44*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.62	
		For Medium Clean, Add	*5.30*	
		For Heavy Clean, Add	*16.41*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.03	
		For Medium Clean, Add	*1.27*	
		For Heavy Clean, Add	*3.94*	

02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.41	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.53*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.37	
		For Medium Clean, Add	*2.26*	
		For Heavy Clean, Add	*6.98*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.08	
		For Medium Clean, Add	*2.55*	
		For Heavy Clean, Add	*7.90*	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.43	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.56*	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.93	
		For Medium Clean, Add	*0.39*	
		For Heavy Clean, Add	*1.21*	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.83	
		For Medium Clean, Add	*0.35*	
		For Heavy Clean, Add	*1.08*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.45	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.59*	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.37	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.48*	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.49*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.29	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.38*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.19	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.25*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	66.57	
		For Medium Clean, Add	*27.96*	
		For Heavy Clean, Add	*86.54*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	83.20	
		For Medium Clean, Add	*34.94*	
		For Heavy Clean, Add	*108.16*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	99.84	
		For Medium Clean, Add	*41.93*	
		For Heavy Clean, Add	*129.79*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	116.48	
		For Medium Clean, Add	*48.92*	
		For Heavy Clean, Add	*151.42*	
02 90 50 00-0045		**Clean Window Treatments** *(02 90 50 00-0008)*		
02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up	0.73	
		For Medium Clean, Add	*0.31*	
		For Heavy Clean, Add	*0.95*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.48	
		For Medium Clean, Add	*0.62*	
		For Heavy Clean, Add	*1.92*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.71	
		For Medium Clean, Add	*0.72*	
		For Heavy Clean, Add	*2.22*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.55	
		For Medium Clean, Add	*0.65*	
		For Heavy Clean, Add	*2.02*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.78	
		For Medium Clean, Add	*0.75*	
		For Heavy Clean, Add	*2.31*	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.90	
		For Medium Clean, Add	*0.80*	
		For Heavy Clean, Add	*2.47*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.19	
		For Medium Clean, Add	*0.92*	
		For Heavy Clean, Add	*2.85*	
02 90 50 00-0053		**Clean Appliances** *(02 90 50 00-0008)*		
02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up	13.08	
		For Medium Clean, Add	*5.49*	
		For Heavy Clean, Add	*17.00*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up	30.81	
		For Medium Clean, Add	*12.94*	
		For Heavy Clean, Add	*40.05*	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up	26.63	
		For Medium Clean, Add	*11.18*	
		For Heavy Clean, Add	*34.62*	
02 90 50 00-0057		**Clean Plumbing** *(02 90 50 00-0008)*		
02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up	18.94	
		For Medium Clean, Add	*7.95*	
		For Heavy Clean, Add	*24.62*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up	19.12	
		For Medium Clean, Add	*8.03*	
		For Heavy Clean, Add	*24.86*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up	8.78	
		For Medium Clean, Add	*3.69*	
		For Heavy Clean, Add	*11.41*	
02 90 50 00-0061		**Clean HVAC** *(02 90 50 00-0008)*		
02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up	5.66	
		For Medium Clean, Add	*2.38*	
		For Heavy Clean, Add	*7.36*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	15.78	
		For Medium Clean, Add	*6.63*	
		For Heavy Clean, Add	*20.51*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	60.59	
		For Medium Clean, Add	*25.45*	
		For Heavy Clean, Add	*78.77*	
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up	5.68	
		For Medium Clean, Add	*2.39*	
		For Heavy Clean, Add	*7.38*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	39.34	
		For Medium Clean, Add	*16.52*	
		For Heavy Clean, Add	*51.14*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	35.03	
		For Medium Clean, Add	*14.71*	
		For Heavy Clean, Add	*45.54*	
02 90 50 00-0068		**Clean Electrical** *(02 90 50 00-0008)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0069	EA	Electric Fan, Light Clean For Disaster Clean-up	23.36	
		For Medium Clean, Add	*9.81*	
		For Heavy Clean, Add	*30.37*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Disaster Clean-up	25.25	
		For Medium Clean, Add	*10.61*	
		For Heavy Clean, Add	*32.83*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Disaster Clean-up	32.82	
		For Medium Clean, Add	*13.78*	
		For Heavy Clean, Add	*42.67*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Disaster Clean-up	23.04	
		For Medium Clean, Add	*9.68*	
		For Heavy Clean, Add	*29.95*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up	15.15	
		For Medium Clean, Add	*6.36*	
		For Heavy Clean, Add	*19.70*	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up	6.94	
		For Medium Clean, Add	*2.91*	
		For Heavy Clean, Add	*9.02*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up	5.37	
		For Medium Clean, Add	*2.26*	
		For Heavy Clean, Add	*6.98*	
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up	1.89	
		For Medium Clean, Add	*0.79*	
		For Heavy Clean, Add	*2.46*	

02 90 50 00-0077 Thermal Fog *(02 90 50 00-0008)*

02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	

02 90 50 00-0079 Contents Manipulation *(02 90 50)*

02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.25	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up	0.30	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up	0.50	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up	151.93	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up	201.49	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	146.80	

02 90 50 00-0086 Water Disaster Clean-up *(02 90 50)*

02 90 50 00-0087	LF	Detach Baseboard For Disaster Clean-up	0.68	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard For Disaster Clean-up	1.22	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.49	
02 90 50 00-0090	SF	Water Extraction From Floor For Disaster Clean-up	0.47	
02 90 50 00-0091	SF	Gray Water Extraction From Floor For Disaster Clean-up	0.75	
02 90 50 00-0092	SF	Black Water Extraction From Floor For Disaster Clean-up	1.19	
02 90 50 00-0093	SF	Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.37	
02 90 50 00-0094	SF	Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.44	
02 90 50 00-0095	SF	Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.66	
02 90 50 00-0096	SF	Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.97	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring For Disaster Clean-up	0.92	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.34	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.48	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring For Disaster Clean-up	1.71	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.51	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile For Disaster Clean-up	0.28	
02 90 50 00-0103	SF	Tear Out Batt Insulation For Disaster Clean-up	0.28	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board For Disaster Clean-up	0.48	
02 90 50 00-0105	SF	Apply Anti-microbial Agent For Disaster Clean-up	0.29	
02 90 50 00-0106	SF	High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.36	

02 90 50 00-0107 Board Up And Tarp Up *(02 90 50)*

02 90 50 00-0108	SF	Polyethylene Tarp On Roof For Disaster Clean-up	0.24	
02 90 50 00-0109	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up	1.52	
02 90 50 00-0110	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up	1.72	
02 90 50 00-0111	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up	1.87	
02 90 50 00-0112	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	1.90	
02 90 50 00-0113	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.10	
02 90 50 00-0114	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.25	

02 90 50 00-0115 Minimum Charges *(02 90 50)*

02 90 50 00-0116	EA	Disaster Cleaning Minimum Charge	1,447.55	
02 90 50 00-0117	EA	Disaster Water Extraction Minimum Charge	279.05	
02 90 50 00-0118	EA	Disaster Carpet Cleaning Minimum Charge	195.62	

02 90 50 00-0119 Document Restoration *(02 90 50)*

02 90 50 00-0120	EA	Book Rebinding, Each For Document Restoration	101.02	
02 90 50 00-0121	EA	Book Recasing, Each For Document Restoration	50.50	
02 90 50 00-0122	EA	Boxes-MCS, 1.2 CF For Document Restoration	9.41	
02 90 50 00-0123	EA	Boxes-MCS, 2.0 CF For Document Restoration	10.38	
02 90 50 00-0124	EA	Boxes Bankers For Document Restoration	16.14	
02 90 50 00-0125	EA	Boxes Standard Packout For Document Restoration	6.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	10.11	
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	10.11	
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration	303.05	
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	40.40	
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	4.06	
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.21	
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	130.36	
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.21	
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.21	
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.23	
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	195.37	
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.23	
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.23	
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.41	
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	260.68	
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.41	
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.41	
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.39	
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.39	
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.39	
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Document Per CF For Document Restoration	325.79	
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.52	
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Document Per CF For Document Restoration	488.83	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.52	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.52	
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	4.09	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.95	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	101.02	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	141.44	
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration	4.09	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.95	
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	4.06	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	10.11	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	40.40	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration	5.58	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.76	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.74	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.54	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.09	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	7.03	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	14.17	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration	54.65	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration	14.91	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	181.83	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	141.44	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	121.22	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration	161.63	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	303.05	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	185.91	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	40.40	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration	5.05	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	10.11	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration	135.56	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration	116.19	
02 90 50 00-0180	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration	3,195.22	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	29.05	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration	1,345.87	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration	225.04	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration	10.11	
02 90 50 00-0185	CF	Ozoning For Document Restoration	6.32	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.70	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.10	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration	32.51	

02 90 55 Emergency Clean-up *(02 90)*

02 90 55 00-0001 Emergency Clean-up *(02 90 55)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0002 Emergency Clean-up Labor *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Clean Up	62.16	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Clean Up	43.51	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Clean Up	59.83	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Clean Up	97.90	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Clean Up	81.58	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Clean Up	114.22	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up	163.17	
02 90 55 00-0010	HR	Equipment Technician For Emergency Clean Up	119.66	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Clean Up	59.57	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Clean Up	81.58	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Clean Up	38.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0014	HR	Project Accountant For Emergency Clean Up	62.16	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Clean Up	86.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Clean Up	103.86	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Clean Up	93.24	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Clean Up	67.34	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Clean Up	65.27	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Clean Up	53.87	
02 90 55 00-0021	HR	Mobilzation Support For Emergency Clean Up	33.15	

02 90 55 00-0022 Emergency Clean-up Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0023 General Emergency Clean-up Equipment *(02 90 55 00-0022)*

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	102.87	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	392.43	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,074.42	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	39.42	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	88.86	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	245.29	
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	61.32	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	156.44	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	369.19	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	337.90	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	907.34	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,528.03	
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	763.42	
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,014.92	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,431.51	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	71.73	
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	203.78	
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	700.99	
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	66.84	
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	179.32	
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	464.61	
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	106.94	
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	305.17	
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	852.92	
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	994.41	
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	2,983.22	
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	8,949.65	
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	78.25	
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	176.06	
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	469.50	
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	97.81	
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	220.08	
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	586.87	
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	73.36	
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	104.33	
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	285.28	
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	798.80	
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	127.16	
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	432.00	
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	823.25	
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	118.21	
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	325.08	
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	886.59	
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	40.76	
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	24.45	
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	65.21	
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	179.32	
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	489.06	
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	81.51	
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	224.15	
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	611.32	
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	122.26	
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,752.59	
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	34.77	
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	95.61	
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	260.76	
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	50.07	
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	137.68	
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	375.50	
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	196.82	
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	541.27	
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,476.18	
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	165.56	
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	455.30	
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,241.72	
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	19.56	
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	53.80	
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	146.72	
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	135.02	
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	371.31	
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,012.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up Note: Includes all filters.	145.70	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up	27.71	
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.03	
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up	30.60	
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	41.72	
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	114.73	
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	312.91	
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up	73.36	
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up	201.74	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up	550.19	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up	173.84	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	97.81	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	139.07	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up	208.61	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up	139.07	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up	105.96	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up	40.76	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up	1,739.09	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up	13.04	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up	35.86	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up	97.81	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	88.10	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	259.20	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	887.19	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	173.71	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	409.47	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,141.56	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	186.12	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	465.31	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,253.23	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	4.69	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up	34.77	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	250.24	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	124.22	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up	202.53	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up Note: Includes Mileage	273.37	
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	269.14	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up Note: Includes Mileage	224.14	
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	1,010.87	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	34.77	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	95.61	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	260.76	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	118.21	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	325.08	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	886.59	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up	29.70	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up	81.69	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up	222.79	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	50.54	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	125.53	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	301.59	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	50.54	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	125.53	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	317.89	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	115.74	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	309.74	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	864.01	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	34.77	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	95.61	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	260.76	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up	102.70	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up	205.41	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up	410.81	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up	205.41	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up	410.81	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up	821.62	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up	257.57	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up	515.14	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up	1,030.29	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up	342.34	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up	684.68	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up	1,369.37	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up	391.25	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up	782.50	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up	1,564.99	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up	456.46	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up	912.91	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up	1,825.82	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up	246.49	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up	677.84	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up	1,848.65	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up	74.86	
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up	205.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up	561.44	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up	40.67	

02 90 55 00-0180 Technical/Electronics Restoration Equipment *(02 90 55 00-0022)*

02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	40.76	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	112.08	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	305.66	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	785.83	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,161.04	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	5,893.73	
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	146.72	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	403.47	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,100.38	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,121.59	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,084.36	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,411.90	
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	927.15	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,549.67	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	6,953.66	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	72.01	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	198.03	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	540.09	
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	44.11	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	121.30	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	330.81	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	24.45	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	67.25	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	183.40	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	113.42	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	311.90	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	850.64	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	366.80	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,008.69	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,750.96	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,018.88	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	2,801.91	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	7,641.56	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	19.56	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	53.80	
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	146.72	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	570.57	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,569.07	
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	4,279.28	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	40.76	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	112.08	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	305.66	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	337.56	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	928.28	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,531.67	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	160.68	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	441.86	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,205.08	

02 90 55 00-0229 Drying/Dehumidification Equipment *(02 90 55 00-0022)*

02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	173.84	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	478.06	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	1,303.80	
02 90 55 00-0233	DAY	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	59.36	
02 90 55 00-0234	WK	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	163.24	
02 90 55 00-0235	MO	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	445.20	
02 90 55 00-0236	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	98.93	
02 90 55 00-0237	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	272.07	
02 90 55 00-0238	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	742.00	
02 90 55 00-0239	DAY	Injectidry System For Emergency Clean-up	215.56	
02 90 55 00-0240	WK	Injectidry System For Emergency Clean-up	592.80	
02 90 55 00-0241	MO	Injectidry System For Emergency Clean-up	1,616.72	
02 90 55 00-0242	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	139.07	
02 90 55 00-0243	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	382.45	
02 90 55 00-0244	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,043.04	
02 90 55 00-0245	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	165.56	
02 90 55 00-0246	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	455.30	
02 90 55 00-0247	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,241.72	
02 90 55 00-0248	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	192.05	
02 90 55 00-0249	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	528.14	
02 90 55 00-0250	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,440.39	
02 90 55 00-0251	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0252	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	564.57	
02 90 55 00-0253	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0254	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0255	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	564.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0256	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0257	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	231.79	
02 90 55 00-0258	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	637.42	
02 90 55 00-0259	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,738.41	
02 90 55 00-0260	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	486.75	
02 90 55 00-0261	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,338.57	
02 90 55 00-0262	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,650.65	
02 90 55 00-0263	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	834.44	
02 90 55 00-0264	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,294.70	
02 90 55 00-0265	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,258.26	
02 90 55 00-0266	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0267	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0268	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0269	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0270	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0271	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0272	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,341.72	
02 90 55 00-0273	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,689.73	
02 90 55 00-0274	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,062.89	
02 90 55 00-0275	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,668.87	
02 90 55 00-0276	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,589.39	
02 90 55 00-0277	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,516.52	
02 90 55 00-0278	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,877.48	
02 90 55 00-0279	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,163.07	
02 90 55 00-0280	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,081.09	
02 90 55 00-0281	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,016.55	
02 90 55 00-0282	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,545.52	
02 90 55 00-0283	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,124.13	
02 90 55 00-0284	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,649.00	
02 90 55 00-0285	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,284.75	
02 90 55 00-0286	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	19,867.50	
02 90 55 00-0287	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,781.45	
02 90 55 00-0288	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,648.99	
02 90 55 00-0289	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	20,860.88	
02 90 55 00-0290	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	660.83	
02 90 55 00-0291	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,817.28	
02 90 55 00-0292	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,956.23	
02 90 55 00-0293	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	915.00	
02 90 55 00-0294	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,516.24	
02 90 55 00-0295	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,862.47	
02 90 55 00-0296	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	834.44	
02 90 55 00-0297	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,294.70	
02 90 55 00-0298	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,258.26	
02 90 55 00-0299	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,112.58	
02 90 55 00-0300	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,059.60	
02 90 55 00-0301	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,344.35	
02 90 55 00-0302	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,877.48	
02 90 55 00-0303	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,163.07	
02 90 55 00-0304	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	14,081.09	
02 90 55 00-0305	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,086.09	
02 90 55 00-0306	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,736.74	
02 90 55 00-0307	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	15,645.66	
02 90 55 00-0308	DAY	25' Flex Duct For Emergency Clean-up	27.81	
02 90 55 00-0309	WK	25' Flex Duct For Emergency Clean-up	76.49	
02 90 55 00-0310	MO	25' Flex Duct For Emergency Clean-up	208.61	
02 90 55 00-0311	DAY	Hygrothermograph For Emergency Clean-up	40.76	
02 90 55 00-0312	WK	Hygrothermograph For Emergency Clean-up	112.08	
02 90 55 00-0313	MO	Hygrothermograph For Emergency Clean-up	305.66	
02 90 55 00-0314	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	9,567.86	
02 90 55 00-0315	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	26,311.62	
02 90 55 00-0316	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	71,758.97	

02 90 55 00-0317 Power Equipment *(02 90 55 00-0022)*

02 90 55 00-0318	WK	Up to 65 KVA Generator For Emergency Clean-up	1,258.72	
02 90 55 00-0319	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,130.15	
02 90 55 00-0320	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,077.59	
02 90 55 00-0321	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,582.52	
02 90 55 00-0322	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,841.25	
02 90 55 00-0323	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,289.80	
02 90 55 00-0324	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,455.52	
02 90 55 00-0325	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,972.98	
02 90 55 00-0326	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	15,007.88	
02 90 55 00-0327	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	32.53	
02 90 55 00-0328	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	155.89	
02 90 55 00-0329	EA	Electrical Distribution Panel For Emergency Clean-up	337.56	
02 90 55 00-0330	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	58.58	
02 90 55 00-0331	EA	50' Power Cord For Spider Box For Emergency Clean-up	54.22	
02 90 55 00-0332	EA	Pig Tails (Per Each) For Emergency Clean-up	4.08	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 90 55 00-0333 Freight Charges *(02 90 55 00-0022)*

02 90 55 00-0334	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.04	
02 90 55 00-0335	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0336	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0337	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.30	

02 90 55 00-0338 Emergency Clean-up Personal Protection Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0339	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.51	
02 90 55 00-0340	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.08	
02 90 55 00-0341	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.76	
02 90 55 00-0342	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	18.61	
02 90 55 00-0343	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	129.50	
02 90 55 00-0344	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.04	
02 90 55 00-0345	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	5.89	
02 90 55 00-0346	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54	
02 90 55 00-0347	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	31.64	
02 90 55 00-0348	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54	
02 90 55 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	40.21	
02 90 55 00-0350	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	44.83	
02 90 55 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.05	
02 90 55 00-0352	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	20.86	
02 90 55 00-0353	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.44	
02 90 55 00-0354	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.37	
02 90 55 00-0355	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.76	
02 90 55 00-0356	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	4.19	
02 90 55 00-0357	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.74	
02 90 55 00-0358	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.43	
02 90 55 00-0359	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.44	
02 90 55 00-0360	EA	Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	17.81	
02 90 55 00-0361	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	12.06	
02 90 55 00-0362	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	19.89	
02 90 55 00-0363	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.28	
02 90 55 00-0364	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	6.95	

02 90 55 00-0365 Emergency Clean-up Expendables *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0366 General Materials *(02 90 55 00-0365)*

02 90 55 00-0367	GAL	Adhesive Remover For Emergency Clean-up	83.44	
02 90 55 00-0368	GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	27.79	
02 90 55 00-0369	GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	35.46	
02 90 55 00-0370	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.40	
02 90 55 00-0371	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.68	
02 90 55 00-0372	EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.68	
02 90 55 00-0373	GAL	Bleach For Emergency Clean-up	8.97	
02 90 55 00-0374	EA	Small Stainless Brush For Emergency Clean-up	7.20	
02 90 55 00-0375	EA	2-1/2 Gallon Buckets For Emergency Clean-up	6.89	
02 90 55 00-0376	EA	5 Gallon Bucket For Emergency Clean-up	10.43	
02 90 55 00-0377	GAL	Carpet Defoamer For Emergency Clean-up	26.84	
02 90 55 00-0378	GAL	Carpet Pre-treat For Emergency Clean-up	26.64	
02 90 55 00-0379	GAL	Carpet Spotter For Emergency Clean-up	44.65	
02 90 55 00-0380	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0381	ROL	Carpet Masking/Shield For Emergency Clean-up	111.47	
02 90 55 00-0382	EA	Chemical Sponge For Emergency Clean-up	3.28	
02 90 55 00-0383	GAL	Clear Seal For Emergency Clean-up	112.19	
02 90 55 00-0384	GAL	Coil Cleaner For Emergency Clean-up	76.74	
02 90 55 00-0385	EA	Decontamination Chamber For Emergency Clean-up	333.47	
02 90 55 00-0386	GAL	All Purpose Degreaser For Emergency Clean-up	36.72	
02 90 55 00-0387	GAL	De-Foamer Liquid For Emergency Clean-up	48.25	
02 90 55 00-0388	EA	Deodorization Membrane For Emergency Clean-up	93.46	
02 90 55 00-0389	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	144.24	
02 90 55 00-0390	LB	Deodorizing Gel For Emergency Clean-up	33.89	
02 90 55 00-0391	GAL	Deodorizing Liquid For Emergency Clean-up	49.56	
02 90 55 00-0392	PAIL	Deodorizing Block For Emergency Clean-up	8.52	
02 90 55 00-0393	GAL	Disinfectant/Anti-microbial For Emergency Clean-up	87.93	
02 90 55 00-0394	GAL	BruClean Disinfectant For Emergency Clean-up	39.04	
02 90 55 00-0395	GAL	Dryclean For Emergency Clean-up	38.94	
02 90 55 00-0396	GAL	Duct Sealant Spray For Emergency Clean-up	58.69	
02 90 55 00-0397	GAL	Antifungal Duct Sealant For Emergency Clean-up	84.77	
02 90 55 00-0398	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	130.08	
02 90 55 00-0399	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.53	
02 90 55 00-0400	GAL	Encapsulant For Emergency Clean-up	118.10	
02 90 55 00-0401	GAL	Aftershock Fiberlocke For Emergency Clean-up	103.70	
02 90 55 00-0402	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	100.66	
02 90 55 00-0403	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	103.52	
02 90 55 00-0404	ROL	Filter Material For Emergency Clean-up	299.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0405	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	8.06	
02 90 55 00-0406	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	639.66	
02 90 55 00-0407	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	3.07	
02 90 55 00-0408	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	13.66	
02 90 55 00-0409	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	48.64	
02 90 55 00-0410	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	462.65	
02 90 55 00-0411	EA	Pleated Dehumidifier Filter For Emergency Clean-up	12.21	
02 90 55 00-0412	GAL	Floor Stripper For Emergency Clean-up	18.26	
02 90 55 00-0413	GAL	Floor Wax For Emergency Clean-up	26.08	
02 90 55 00-0414	GAL	Fogger (Thermal) For Emergency Clean-up	152.98	
02 90 55 00-0415	BOX	Furniture Blocks For Emergency Clean-up	123.22	
02 90 55 00-0416	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	16.60	
02 90 55 00-0417	GAL	Glass Cleaner For Emergency Clean-up	11.07	
02 90 55 00-0418	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	19.36	
02 90 55 00-0419	EA	Halogen Light Bulbs For Emergency Clean-up	18.62	
02 90 55 00-0420	QT	Hand Sanitizer For Emergency Clean-up	9.21	
02 90 55 00-0421	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.58	
02 90 55 00-0422	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	23.59	
02 90 55 00-0423	GAL	HVAC Coal Cleaner For Emergency Clean-up	68.77	
02 90 55 00-0424	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	165.97	
02 90 55 00-0425	EA	Utility Knives For Emergency Clean-up	14.35	
02 90 55 00-0426	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	142.37	
02 90 55 00-0427	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	150.30	
02 90 55 00-0428	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	299.26	
02 90 55 00-0429	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	432.55	
02 90 55 00-0430	GAL	Lemon Oil For Emergency Clean-up	44.50	
02 90 55 00-0431	GAL	LPS 1/Mecca Lube For Emergency Clean-up	47.39	
02 90 55 00-0432	GAL	LPS 2 For Emergency Clean-up	50.16	
02 90 55 00-0433	GAL	LPS Contact Cleaner For Emergency Clean-up	49.92	
02 90 55 00-0434	GAL	Light Lubricant Preserve For Emergency Clean-up	173.25	
02 90 55 00-0435	GAL	Heavy Lubricant Preserver For Emergency Clean-up	26.08	
02 90 55 00-0436	GAL	Machinery Cleaning Solvent For Emergency Clean-up	213.06	
02 90 55 00-0437	GAL	Metal Polishing Paste For Emergency Clean-up	32.07	
02 90 55 00-0438	GAL	MediClean® Disinfectant For Emergency Clean-up	52.71	
02 90 55 00-0439	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	64.70	
02 90 55 00-0440	EA	Mop Heads For Emergency Clean-up	7.90	
02 90 55 00-0441	EA	Nylon Scouring Pads For Emergency Clean-up	1.43	
02 90 55 00-0442	GAL	Odor Neutralizer For Emergency Clean-up	44.65	
02 90 55 00-0443	EA	Packing Paper, 25 Lb. Bundle For Emergency Clean-up	86.31	
02 90 55 00-0444	EA	Paint Brushes For Emergency Clean-up	6.52	
02 90 55 00-0445	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	201.27	
02 90 55 00-0446	EA	Putty Knives For Emergency Clean-up	5.91	
02 90 55 00-0447	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	43.92	
02 90 55 00-0448	GAL	Reodorant For Emergency Clean-up	110.85	
02 90 55 00-0449	GAL	Restoracide For Emergency Clean-up	52.00	
02 90 55 00-0450	GAL	Rust Remover For Emergency Clean-up	77.88	
02 90 55 00-0451	EA	Saltesmo Test Samples For Emergency Clean-up	7.24	
02 90 55 00-0452	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	1.90	
02 90 55 00-0453	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	34.56	
02 90 55 00-0454	EA	Small Scrub Brushes For Emergency Clean-up	16.56	
02 90 55 00-0455	GAL	Clear Soot Sealant For Emergency Clean-up	90.32	
02 90 55 00-0456	GAL	Pigmented Soot Sealant For Emergency Clean-up	243.58	
02 90 55 00-0457	ROL	Shrinkwrap Plastic For Emergency Clean-up	56.07	
02 90 55 00-0458	EA	Dry Sponges For Emergency Clean-up	5.76	
02 90 55 00-0459	EA	Spray Adhesive, Per Can For Emergency Clean-up	5.85	
02 90 55 00-0460	EA	Spray Bot./Trigger For Emergency Clean-up	5.03	
02 90 55 00-0461	GAL	Stain Remover For Emergency Clean-up	40.33	
02 90 55 00-0462	GAL	Stainless Steel Cleaner For Emergency Clean-up	11.02	
02 90 55 00-0463	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	14.46	
02 90 55 00-0464	LB	Sweeping Compound For Emergency Clean-up	0.71	
02 90 55 00-0465	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	11.44	
02 90 55 00-0466	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	10.77	
02 90 55 00-0467	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	28.69	
02 90 55 00-0468	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.32	
02 90 55 00-0469	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.73	
02 90 55 00-0470	LB	Terry Towels For Emergency Clean-up	6.72	
02 90 55 00-0471	GAL	Thermal Fog For Emergency Clean-up	90.74	
02 90 55 00-0472	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	35.60	
02 90 55 00-0473	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	86.40	
02 90 55 00-0474	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	110.85	
02 90 55 00-0475	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	141.99	
02 90 55 00-0476	EA	Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up	47.59	
02 90 55 00-0477	EA	Backpack Vacuum Bags For Emergency Clean-up	1.60	
02 90 55 00-0478	EA	Upright Vacuum Bags For Emergency Clean-up	2.14	
02 90 55 00-0479	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0480	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	46.12	
02 90 55 00-0481	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	125.24	
02 90 55 00-0482	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	170.89	
02 90 55 00-0483	LB	Wipes, Cotton Cloth For Emergency Clean-up	4.84	
02 90 55 00-0484	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	140.66	
02 90 55 00-0485	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.00	
02 90 55 00-0486	EA	Zip Wall Zippers For Emergency Clean-up	21.35	
02 90 55 00-0487	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	34.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0488	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	52.17	
02 90 55 00-0489	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	54.96	
02 90 55 00-0490	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 Note: 45 OZ volume absorption capacity per pad	89.74	

02 90 55 00-0491 Technical/Electronics Restoration Materials *(02 90 55 00-0365)*

02 90 55 00-0492	EA	Brush - Brass For Emergency Clean-up	4.89	
02 90 55 00-0493	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.56	
02 90 55 00-0494	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.30	
02 90 55 00-0495	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.11	
02 90 55 00-0496	EA	Brush - Parts For Emergency Clean-up	6.78	
02 90 55 00-0497	EA	Brush - Plastic For Emergency Clean-up	3.52	
02 90 55 00-0498	EA	Brush - Wire Grout For Emergency Clean-up	9.45	
02 90 55 00-0499	EA	Brushing Tool For Emergency Clean-up	18.23	
02 90 55 00-0500	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0501	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.39	
02 90 55 00-0502	EA	Contact Restorer, Per Can For Emergency Clean-up	29.65	
02 90 55 00-0503	EA	Contact Spray, Per Can For Emergency Clean-up	20.17	
02 90 55 00-0504	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.13	
02 90 55 00-0505	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	8.97	
02 90 55 00-0506	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.62	
02 90 55 00-0507	LB	Cotton Cleaning Cloths For Emergency Clean-up	18.34	
02 90 55 00-0508	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.29	
02 90 55 00-0509	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.80	
02 90 55 00-0510	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	14.37	
02 90 55 00-0511	GAL	Electronic Grade Detergent For Emergency Clean-up	40.51	
02 90 55 00-0512	SHT	Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0513	GAL	Isopropyl Alcohol For Emergency Clean-up	107.34	
02 90 55 00-0514	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	174.69	
02 90 55 00-0515	GAL	PC Board Detergent For Emergency Clean-up	83.75	
02 90 55 00-0516	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	137.68	
02 90 55 00-0517	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	138.71	
02 90 55 00-0518	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	148.27	
02 90 55 00-0519	LB	Wipes, Lint Free Cloths For Emergency Clean-up	7.61	
02 90 55 00-0520	EA	Wire Marker Card For Emergency Clean-up	2.28	
02 90 55 00-0521	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.53	

END OF SECTION 02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete *(03)*

03 01 30 Maintenance of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning of Cast-In-Place Concrete *(03 01 30)*

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*

Note: Includes containment and clean-up of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting	3.97
		For Up To 100, Add	*3.36*
		For >100 To 250, Add	*0.84*
		For >250 To 500, Add	*0.42*
		For >5,000 To 10,000, Deduct	*-0.08*
		For >10,000, Deduct	*-0.17*
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting	5.65
		For Up To 100, Add	*6.72*
		For >100 To 250, Add	*1.68*
		For >250 To 500, Add	*0.84*
		For >5,000 To 10,000, Deduct	*-0.17*
		For >10,000, Deduct	*-0.34*

03 01 30 71 Rehabilitation of Cast-In-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Floor Resurfacing *(03 01 30 71-0001)*

03 01 30 71-0003	SF	1/4" Interior Floor Self-leveling, Colored Cementitious Topping	5.29
03 01 30 71-0004	SF	1/2" Interior Floor Self-leveling, Colored Cementitious Topping	7.24
03 01 30 71-0005	SF	1" Interior Floor Self-leveling, Colored Cementitious Topping	13.44

03 01 30 71-0006 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0007 Decks Or Floors *(03 01 30 71-0006)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0008	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	7.25
03 01 30 71-0009	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	23.03
03 01 30 71-0010	SF	Patch Decks Or Floors With White Aluminum Oxide Grit (Non-Slip Aggregate)	0.65

03 01 30 71-0011 Verticals Or Overheads *(03 01 30 71-0006)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0012	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	10.86
03 01 30 71-0013	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	31.45
03 01 30 71-0014	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	35.44
03 01 30 71-0015	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	9.56
03 01 30 71-0016	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	16.90

03 01 30 71-0017 Circular Piers *(03 01 30 71-0006)*

03 01 30 71-0018	SF	Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	13.37
03 01 30 71-0019	SF	Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	23.00

03 01 30 71-0020 Bridge Deck Treatment *(03 01 30 71-0006)*

03 01 30 71-0021	SF	Sweep Bridge Deck	0.02
03 01 30 71-0022	SF	Clean Bridge Deck	0.02
03 01 30 71-0023	SF	Treat Bridge Deck With Methacrylate Resin Sealant	2.36

03 01 30 71-0024 Concrete Finishes *(03 01 30 71-0001)*

03 01 30 71-0025 Concrete Patching *(03 01 30 71-0024)*

03 01 30 71-0026 Walls *(03 01 30 71-0025)*

03 01 30 71-0027	BAG	Sika Top 111 Plus Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel).	182.40
		For Up To 10, Add	*65.81*
		For >10 To 25, Add	*39.49*
		For >25 To 50, Add	*26.32*
		For >50 To 75, Add	*13.16*
03 01 30 71-0028	BAG	Sika Grout 212, 50 Lb. Bag Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	125.65
		For Up To 10, Add	*41.67*
		For >10 To 25, Add	*25.00*
		For >25 To 50, Add	*16.67*
		For >50 To 75, Add	*8.33*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0029	EA	Sika Flex 1A, 10.3 Ounce Tube Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	43.45	
03 01 30 71-0030	BAG	Pea Gravel	32.57	

03 01 30 71-0031 Spall Concrete Repair *(03 01 30 71-0001)*

Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.

03 01 30 71-0032	SF	Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces	95.66	
		For Up To 100, Add	*67.64*	
		For >100 To 250, Add	*33.82*	
03 01 30 71-0033	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces	111.15	
		For Up To 100, Add	*75.15*	
		For >100 To 250, Add	*37.58*	
03 01 30 71-0034	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces	166.74	
		For Up To 100, Add	*112.73*	
		For >100 To 250, Add	*56.37*	
03 01 30 71-0035	SF	Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces	217.31	
		For Up To 100, Add	*146.55*	
		For >100 To 250, Add	*73.28*	
03 01 30 71-0036	SF	Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces	68.61	
		For Up To 100, Add	*47.35*	
		For >100 To 250, Add	*23.67*	
03 01 30 71-0037	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces	81.09	
		For Up To 100, Add	*52.61*	
		For >100 To 250, Add	*26.30*	
03 01 30 71-0038	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces	121.64	
		For Up To 100, Add	*78.91*	
		For >100 To 250, Add	*39.45*	
03 01 30 71-0039	SF	Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces	158.69	
		For Up To 100, Add	*102.59*	
		For >100 To 250, Add	*51.29*	

03 01 30 71-0040 Concrete Cleaning *(03 01 30 71-0001)*

See CSI section 09 01 90 52-0002 for pressure washing concrete.

03 01 30 71-0041	SF	Up To 10 SF, Clean Calcite/Staining On Concrete With Brush	22.53
03 01 30 71-0042	SF	>10 To 100 SF, Clean Calcite/Staining On Concrete With Brush	15.82
03 01 30 71-0043	SF	>100 To 500 SF, Clean Calcite/Staining On Concrete With Brush	11.11
03 01 30 71-0044	SF	>500 To 1,000 SF, Clean Calcite/Staining On Concrete With Brush	7.79
03 01 30 71-0045	SF	>1,000 To 2,500 SF, Clean Calcite/Staining On Concrete With Brush	5.49
03 01 30 71-0046	SF	>2,500 SF, Clean Calcite/Staining On Concrete With Brush	3.86

03 01 30 71-0047 Crack Repair For Concrete *(03 01 30 71-0001)*

03 01 30 71-0048 Non-Structural Crack Repair For Concrete *(03 01 30 71-0047)*

03 01 30 71-0049 Surface Applied, Non-Structural Crack Repair For Concrete *(03 01 30 71-0048)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.

03 01 30 71-0050	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	6.67	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0051	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	8.74	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0052	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	6.81	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0053	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	9.03	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0054	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.34	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0055	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	10.07	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0056	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	7.72	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0057	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	10.83	
		For V-Grooving Crack With Grinder, Add	*5.20*	

03 01 30 71-0058 Pressure Injected, Non-Structural Crack Repair For Concrete *(03 01 30 71-0048)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0059	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	30.75	
		For Cracks Accessible From Both Sides, Add	*6.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0060		Structural Crack Repair For Concrete *(03 01 30 71-0047)*		
03 01 30 71-0061		Surface Applied, Structural Crack Repair For Concrete *(03 01 30 71-0060)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0062	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	7.81	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0063	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	11.03	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0064	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	7.61	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0065	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	10.62	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0066	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	9.31	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0067	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	14.02	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0068		Pressure Injected, Structural Crack Repair For Concrete *(03 01 30 71-0060)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0069	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	26.67	
		For Cracks Accessible From Both Sides, Add	*6.27*	
03 01 30 71-0070	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	26.46	
		For Cracks Accessible From Both Sides, Add	*6.27*	
03 01 30 71-0071		Carbon Fiber Strengthening System *(03 01 30 71-0001)* Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0072	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	93.93	
03 01 30 71-0073	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	83.02	
03 01 30 71-0074	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	76.88	
03 01 30 71-0075	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	73.46	
03 01 30 71-0076	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	68.69	
03 01 30 71-0077		Fiber Reinforced Polymer (FRP) Strengthening System *(03 01 30 71-0001)* Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0078	SF	Composite Strengthening System - Exterior, Per Layer Note: Includes composite fabric SCH fiber, SEH fiber, epoxy saturant, primer, filler for voids, anchors, finish. TYFO Fibrwrap System by Fyfe Company	61.10	
		For Floor Surfaces, Deduct	*-9.54*	
03 01 30 71-0079	SF	Composite Strengthening Fire Resistant System - Interior, Per Layer Note: Includes composite fabric SCH fiber, SEH fiber, epoxy saturant, primer, filler for voids, anchors, finish and fire coating. TYFO Fibrwrap System by Fyfe Company	74.14	
		For Floor Surfaces, Deduct	*-11.70*	
03 01 30 72		**Strengthening Of Cast-in-Place Concrete** *(03 01 30)*		
03 01 30 72-0001		Concrete Surface Repairs *(03 01 30 72)*		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.41	

03 05 Common Work Results For Concrete *(03)*

03 05 13 Concrete Admixtures *(03 05)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 05 13 00-0001		Concrete Admixtures *(03 05 13)*		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	8.24	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	5.70	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	8.87	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	17.75	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	15.85	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	31.69	
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	6.85	
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	13.35	
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	9.51	
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	19.02	
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	6.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	15.21	
03 05 13 00-0014	CY	1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	13.52	
03 05 13 00-0015	CY	1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	20.28	
03 05 13 00-0016	CY	25 Lb./CY Steel Fibers, Concrete Admixture	40.18	
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture	101.42	
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture	38.03	
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add	20.28	
03 05 13 00-0020	CY	Chilled Water, Concrete Add	20.28	
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	39.57	
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	65.94	
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	126.61	
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	175.85	
03 05 13 00-0025	CY	XYPEX Concrete Additive C-500, C-1000 or C-2000	70.43	

03 10 Concrete Forming and Accessories *(03)*

03 11 Concrete Forming *(03 10)*

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork *(03 11 13)*

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0002 Foundation Wood Formwork *(03 11 13 00-0001)*

Note: For foundation work below or at grade.

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	9.51	
		For <1,000, Add	*1.78*	
		For Foundations >8' Below Grade, Add	*1.72*	
		For Curved Formwork, Add	*3.44*	
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	11.33	
		For <1,000, Add	*2.14*	
		For Foundations >8' Below Grade, Add	*2.07*	
		For Curved Formwork, Add	*4.15*	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	13.04	
		For <1,000, Add	*2.50*	
		For Foundations >8' Below Grade, Add	*2.44*	
		For Curved Formwork, Add	*4.88*	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	10.89	
		For <1,000, Add	*2.07*	
		For Foundations >8' Below Grade, Add	*2.01*	
		For Curved Formwork, Add	*4.02*	
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork Note: Excludes footing	15.48	
		For <1,000, Add	*2.93*	
		For Foundations >8' Below Grade, Add	*2.85*	
		For Curved Formwork, Add	*5.69*	

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	7.34	
		For Foundations >8' Below Grade, Add	*1.37*	
		For Curved Formwork, Add	*2.74*	
		For Up To 250, Add	*1.40*	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	10.52	
		For Foundations >8' Below Grade, Add	*1.91*	
		For Curved Formwork, Add	*3.82*	
		For Up To 250, Add	*1.98*	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	13.45	
		For Foundations >8' Below Grade, Add	*2.47*	
		For Curved Formwork, Add	*4.95*	
		For <1,000, Add	*2.55*	

03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	56.79
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	82.43
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	103.51
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	148.50
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	213.07
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	281.48

03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	17.32	
		For Curved Formwork, Add	*6.43*	
		For <1,000, Add	*3.30*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	20.52	
		For Curved Formwork, Add	*7.63*	
		For <1,000, Add	*3.91*	

03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	22.71	
		For Curved Formwork, Add	*8.38*	
		For <1,000, Add	*4.31*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	14.35	
		For Curved Formwork, Add	*5.34*	
		For <1,000, Add	*2.74*	

03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0026	SF	Elevated Slab Wood Formwork	13.38	
		For <1,000, Add	*2.46*	

03 11 13 00-0027 Metal Framed Formwork *(03 11 13)*

Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0028 Foundation Metal Framed Formwork *(03 11 13 00-0027)*

Note: For foundation work below or at grade.

03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	9.44	
		For <1,000, Add	*1.69*	
		For Foundations >8' Below Grade, Add	*1.58*	
		For Curved Formwork, Add	*3.17*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	10.42	
		For <1,000, Add	*1.88*	
		For Foundations >8' Below Grade, Add	*1.78*	
		For Curved Formwork, Add	*3.55*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	11.76	
		For <1,000, Add	*2.09*	
		For Foundations >8' Below Grade, Add	*1.96*	
		For Curved Formwork, Add	*3.92*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	9.94	
		For <1,000, Add	*1.76*	
		For Foundations >8' Below Grade, Add	*1.65*	
		For Curved Formwork, Add	*3.30*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	14.95	
		Note: Excludes footing.		
		For <1,000, Add	*2.71*	
		For Foundations >8' Below Grade, Add	*2.57*	
		For Curved Formwork, Add	*5.15*	

03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	6.37	
		For Foundations >8' Below Grade, Add	*1.23*	
		For Curved Formwork, Add	*2.46*	
		For <250, Add	*1.25*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	8.00	
		For Foundations >8' Below Grade, Add	*1.53*	
		For Curved Formwork, Add	*3.07*	
		For <250, Add	*1.56*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	8.87	
		For Foundations >8' Below Grade, Add	*1.69*	
		For Curved Formwork, Add	*3.39*	
		For <1,000, Add	*1.72*	

03 11 13 00-0038 Column Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0039 Square Columns *(03 11 13 00-0038)*

03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	58.31	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	70.72	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	83.17	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	99.24	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	119.69	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	143.97	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	184.89	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	228.41	

03 11 13 00-0048 Round Columns *(03 11 13 00-0038)*

03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	64.85	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	71.52	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	81.43	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	93.78	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	109.95	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	125.36	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	165.37	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	222.83	

03 11 13 00-0057 Above Grade Wall Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	9.51	
		For Curved Formwork, Add	*2.97*	
		For <1,000, Add	*1.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	11.68	
		For Curved Formwork, Add	*3.59*	
		For <1,000, Add	*1.97*	
03 11 13 00-0060		**Elevated Beam Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	9.32	
		For Curved Formwork, Add	*2.77*	
		For <1,000, Add	*1.54*	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	7.14	
		For Curved Formwork, Add	*2.18*	
		For <1,000, Add	*1.20*	
03 11 13 00-0063		**Elevated Slab Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	12.38	
		For <1,000, Add	*1.85*	
03 11 13 00-0065		**Fiber Tube Formwork** *(03 11 13)*		
		Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066		**Round Column Fiber Tube Formwork** *(03 11 13 00-0065)*		
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	22.43	
		For Plastic Lined, Add	*0.88*	
		For Columns >12' In Length, Add	*2.24*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	23.71	
		For Plastic Lined, Add	*1.04*	
		For Columns >12' In Length, Add	*2.37*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	26.36	
		For Plastic Lined, Add	*1.25*	
		For Columns >12' In Length, Add	*2.64*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	32.65	
		For Plastic Lined, Add	*2.23*	
		For Columns >12' In Length, Add	*3.27*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	36.70	
		For Plastic Lined, Add	*2.82*	
		For Columns >12' In Length, Add	*3.67*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	39.99	
		For Plastic Lined, Add	*3.51*	
		For Columns >12' In Length, Add	*4.00*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	43.07	
		For Plastic Lined, Add	*4.11*	
		For Columns >12' In Length, Add	*4.31*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	49.09	
		For Plastic Lined, Add	*5.58*	
		For Columns >12' In Length, Add	*4.91*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	51.37	
		For Plastic Lined, Add	*5.81*	
		For Columns >12' In Length, Add	*5.14*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	53.96	
		For Plastic Lined, Add	*6.13*	
		For Columns >12' In Length, Add	*5.40*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	56.19	
		For Plastic Lined, Add	*6.62*	
		For Columns >12' In Length, Add	*5.62*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	58.41	
		For Plastic Lined, Add	*7.10*	
		For Columns >12' In Length, Add	*5.84*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	60.63	
		For Plastic Lined, Add	*7.59*	
		For Columns >12' In Length, Add	*6.06*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	70.08	
		For Plastic Lined, Add	*9.76*	
		For Columns >12' In Length, Add	*7.01*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	110.45	
		For Plastic Lined, Add	*21.40*	
		For Columns >12' In Length, Add	*11.05*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	134.58	
		For Plastic Lined, Add	*28.16*	
		For Columns >12' In Length, Add	*13.46*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	242.82	
		For Plastic Lined, Add	*59.87*	
		For Columns >12' In Length, Add	*24.28*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	270.43	
		For Plastic Lined, Add	*67.56*	
		For Columns >12' In Length, Add	*27.04*	
03 11 13 00-0085		**Accessories For Formwork** *(03 11 13)*		
03 11 13 00-0086		**Keyway Forms, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.70	
03 11 13 00-0088		**Chamfer Strips, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	2.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	3.31	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	3.82	

03 11 13 00-0092 Strip Out Reglets For Concrete Formwork *(03 11 13 00-0085)*

03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	13.87	

03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*

03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	16.16	
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	19.48	
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	23.55	
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	26.61	
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	34.26	
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	74.01	

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

03 11 16 13 Concrete Form Liners *(03 11 16)*

03 11 16 13-0001 Concrete Form Liners *(03 11 16 13)*

03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	6.55	
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	8.73	
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	11.47	

03 11 23 Permanent Stair Forming *(03 11)*

03 11 23 00-0001 Stairway Wood Formwork *(03 11 23)*

03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	22.01	
		For Curved Formwork, Add	*8.48*	
		For <1,000, Add	*4.29*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	43.59	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*16.60*	
		For <1,000, Add	*8.44*	

03 11 23 00-0004 Stairway Metal Framed Formwork *(03 11 23)*

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	19.00	
		For Curved Formwork, Add	*7.03*	
		For <1,000, Add	*3.61*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	34.83	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*13.02*	
		For <1,000, Add	*6.66*	

03 15 Concrete Accessories *(03 10)*

03 15 13 Waterstops *(03 15)*

03 15 13 13 Non-Expanding Waterstops *(03 15 13)*

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.45	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	11.68	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	13.90	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	15.19	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	22.09	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	11.11	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	14.01	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	24.00	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	19.26	

03 15 13 13-0011 Rubber Waterstops *(03 15 13 13)*

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	11.53	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	13.11	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	11.75	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	15.73	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	13.41	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	16.84	

03 15 13 16 Expanding Waterstops *(03 15 13)*

03 15 13 16-0001 Bentonite Waterstops *(03 15 13 16)*

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	9.13	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	13.79	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	15.42	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	17.35	

03 15 16 Concrete Construction Joints *(03 15)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0001		**Poured Expansion Joint** *(03 15 16)*		
03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.39	0.92
		For Installation In Walls, Add	*1.55*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	7.69	0.92
		For Installation In Walls, Add	*1.73*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	3.67	0.92
		For Installation In Walls, Add	*1.55*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	8.78	0.92
		For Installation In Walls, Add	*1.73*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	5.30	0.92
		For Installation In Walls, Add	*1.73*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	9.70	0.92
		For Installation In Walls, Add	*2.81*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	3.78	0.92
		For Installation In Walls, Add	*1.55*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	4.67	0.92
		For Installation In Walls, Add	*1.55*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	12.29	0.92
		For Installation In Walls, Add	*1.73*	
03 15 16 00-0011		**Premolded Expansion Joints** *(03 15 16)*		
03 15 16 00-0012		**Asphalt Saturated Fiber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.91	1.36
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.31	1.43
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.56	1.49
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.82	1.56
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.15	1.36
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.49	1.43
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.91	1.49
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.48	1.56
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.86	1.29
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.11	1.36
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.40	1.43
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.65	1.49
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.94	1.56
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.36	1.63
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.67	1.70
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	5.22	1.76
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.42	1.43
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.89	1.49
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.71	1.63
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	8.01	2.24
03 15 16 00-0033		**Cork, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	4.76	1.43
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	5.34	1.56
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	5.79	1.63
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	7.97	1.70
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	8.48	1.76
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	9.43	2.24
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	10.85	2.24
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	11.50	2.24
03 15 16 00-0042		**Flexible Polyethylene Foam, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.15	1.43
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.29	1.49
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.46	1.56
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.98	1.63
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.23	1.43
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.38	1.49
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.52	1.56
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.85	1.63
03 15 16 00-0051		**Zip Strip, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	3.18	1.43
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	3.46	1.49
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	3.84	1.63
03 15 16 00-0055		**Sponge Rubber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	5.11	1.36
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	6.13	1.36
03 15 16 00-0058		**Asphalt Felt Control Joints Or Bond Breaker** *(03 15 16)*		
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	1.53	1.02
		>1,250, Deduct	*-0.08*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	1.44	1.02
		>1,250, Deduct	*-0.07*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0061		Keyed Cold Expansion And Control Joints *(03 15 16)*		
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes *(03 15 16 00-0061)*		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	7.62	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	7.74	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	8.02	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	8.47	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	10.40	
03 15 16 00-0068		Expansion Control Systems *(03 15 16)*		
03 15 16 00-0069		Wabo Jeene "FW" Traffic Series Expansion Control System *(03 15 16 00-0068)*		
		Note: Jeene® is a patented structural sealing joint system comprised of a neoprene profile, which is air-pressurized and bonded in place with a specially formulated epoxy adhesive. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation.		
03 15 16 00-0070	LF	1" x 1-1/4" Jeene "FW" Expansion Joint System	101.96	8.19
		Note: Jeene 25FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0071	LF	1-5/8" x 2" Jeene "FW" Expansion Joint System	125.31	9.28
		Note: Jeene 40FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0072	LF	2" x 2-1/2" Jeene "FW" Expansion Joint System	145.01	10.24
		Note: Jeene 50FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0073	LF	2-1/2" x 3-1/4" Jeene "FW" Expansion Joint System	172.17	11.33
		Note: Jeene 65FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0074	LF	3" x 3-3/4" Jeene "FW" Expansion Joint System	215.05	12.41
		Note: Jeene 75FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0075	LF	3-7/8" x 5" Jeene "FW" Expansion Joint System	253.45	13.38
		Note: Jeene 100FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0076	LF	5" x 6-1/8" Jeene "FW" Expansion Joint System	408.63	14.46
		Note: Jeene 125FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0077		Wabo ElastoFlex "EFJ" High Impact Load Expansion Joint System *(03 15 16 00-0068)*		
		Note: Wabo®ElastoFlex is a watertight continuous membrane system for joints with movements up to four inches in parking decks, loading docks, elevated roadways and other vehicle and forklift traffic. It uses mechanically fastened ethylene propylene diene monomer (EPDM) anchor blocks with molded-in steel inserts to support heavy-duty and high impact loads. The winged flap of the durable elastomeric seal is locked between the anchor block and concrete slab. An epoxy paste bedding adhesive is applied between the winged flap and concrete slab to enhance the product's watertightness. The exposed surfaces are non-metallic and skid resistant while resisting UV deterioration and most chemicals.		
03 15 16 00-0078	LF	1-1/2" ElastoFlex "EFJ" Expansion Joint System	189.58	10.85
		Note: ElastoFlex EFJ-225 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0079	LF	2-1/2" ElastoFlex "EFJ" Expansion Joint System	235.68	13.57
		Note: ElastoFlex EFJ-400 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0080	LF	3-3/4" ElastoFlex "EFJ" Expansion Joint System	295.36	16.28
		Note: ElastoFlex EFJ-600 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0081	LF	1-1/2" ElastoFlex "EFJ-C" Expansion Joint System	146.75	10.85
		Note: ElastoFlex EFJ-225C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0082	LF	2-1/2" ElastoFlex "EFJ-C" Expansion Joint System	190.35	13.57
		Note: ElastoFlex EFJ-400C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0083	LF	3-3/4" ElastoFlex "EFJ-C" Expansion Joint System	252.53	16.28
		Note: ElastoFlex EFJ-600C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0084		Emseal Seismic Colorseal Expansion Joint System *(03 15 16 00-0068)*		
		Note: For high-movement and seismic structural expansion joints, panel joints, window perimeter joints, joints around other penetrations of the building envelope such as store-fronts, curtain walls, EIFS panel joints etc, seal shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system. Seal shall combine factory-applied, 15 Shore-A hardness, low-modulus silicone, and a backing of acrylic-impregnated expanding foam into a unified binary sealant system.		
03 15 16 00-0085	LF	1" Seismic Colorseal Expansion Joint System	64.39	5.46
		Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.		
03 15 16 00-0086	LF	1-1/2" Seismic Colorseal Expansion Joint System	93.93	6.27
		Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.		
03 15 16 00-0087	LF	2" Seismic Colorseal Expansion Joint System	128.60	7.09
		Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.		
03 15 16 00-0088	LF	2-1/2" Seismic Colorseal Expansion Joint System	158.64	7.78
		Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.		
03 15 16 00-0089	LF	3" Seismic Colorseal Expansion Joint System	194.58	8.59
		Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0090	LF	3-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	238.83	9.41
03 15 16 00-0091	LF	4" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	285.64	10.24
03 15 16 00-0092	LF	4-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	327.85	10.91
03 15 16 00-0093	LF	5" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	372.10	11.74

03 15 16 00-0094 Emseal Thermaflex Watertight Expansion Joint System *(03 15 16 00-0068)*

Note: Thermaflex consists of extruded thermo-plastic Santoprene rubber sealing glands with punched flanges embedded in a high-strength, flexible, impact-absorbing elastomeric concrete nosing. The thermo-plastic Santoprene sealing glands are heat-weldable making transitions through changes in direction and plane not only practical but watertight. The elastomeric concrete is two-part polyurethane reinforced with silica sand and fiberglass.

03 15 16 00-0095	LF	1-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	108.49	8.14
03 15 16 00-0096	LF	2-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	116.56	9.49
03 15 16 00-0097	EA	Thermaflex TM Fittings Expansion Joint System Note: For direction changes, tees and crosses. Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	543.73	27.13

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001 Cast In Place Anchors *(03 15 19)*

Note: For cast in place installations. Includes nut and washer.

03 15 19 00-0002 J-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0003 1/2" And 5/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.83
		For Galvanized, Add	*3.07*
		For Stainless Steel, Add	*21.46*
		For >10 To 50, Deduct	*-0.39*
		For >50 To 100, Deduct	*-0.92*
		For >100, Deduct	*-1.85*
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.11
		For Galvanized, Add	*3.91*
		For Stainless Steel, Add	*27.34*
		For >10 To 50, Deduct	*-0.42*
		For >50 To 100, Deduct	*-1.03*
		For >100, Deduct	*-2.05*
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.75
		For Galvanized, Add	*5.38*
		For Stainless Steel, Add	*37.66*
		For >10 To 50, Deduct	*-0.45*
		For >50 To 100, Deduct	*-1.17*
		For >100, Deduct	*-2.34*
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.05
		For Galvanized, Add	*7.03*
		For Stainless Steel, Add	*49.21*
		For >10 To 50, Deduct	*-0.45*
		For >50 To 100, Deduct	*-1.25*
		For >100, Deduct	*-2.50*
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	28.58
		For Galvanized, Add	*9.39*
		For Stainless Steel, Add	*65.70*
		For >10 To 50, Deduct	*-0.49*
		For >50 To 100, Deduct	*-1.45*
		For >100, Deduct	*-2.90*
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.24
		For Galvanized, Add	*10.73*
		For Stainless Steel, Add	*75.08*
		For >10 To 50, Deduct	*-0.54*
		For >50 To 100, Deduct	*-1.62*
		For >100, Deduct	*-3.23*

03 15 19 00-0010 3/4" And 7/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.09
		For Galvanized, Add	*10.65*
		For Stainless Steel, Add	*74.55*
		For >10 To 50, Deduct	*-0.54*
		For >50 To 100, Deduct	*-1.61*
		For >100, Deduct	*-3.22*
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	36.81
		For Galvanized, Add	*12.41*
		For Stainless Steel, Add	*86.87*
		For >10 To 50, Deduct	*-0.60*
		For >50 To 100, Deduct	*-1.82*
		For >100, Deduct	*-3.64*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	45.28	
		For Galvanized, Add	*15.90*	
		For Stainless Steel, Add	*111.27*	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-2.14*	
		For >100, Deduct	*-4.29*	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	55.19	
		For Galvanized, Add	*20.04*	
		For Stainless Steel, Add	*140.25*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.03*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	42.60	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.15*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.28	
		For Galvanized, Add	*17.43*	
		For Stainless Steel, Add	*122.01*	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.83*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.44	
		For Galvanized, Add	*23.23*	
		For Stainless Steel, Add	*162.61*	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.96*	
		For >100, Deduct	*-5.92*	

03 15 19 00-0018 1" And 1-1/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	53.07	
		For Galvanized, Add	*18.83*	
		For Stainless Steel, Add	*131.78*	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.97*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	63.29	
		For Galvanized, Add	*22.66*	
		For Stainless Steel, Add	*158.59*	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-5.86*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	78.39	
		For Galvanized, Add	*28.41*	
		For Stainless Steel, Add	*198.84*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-3.58*	
		For >100, Deduct	*-7.16*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	96.39	
		For Galvanized, Add	*34.71*	
		For Stainless Steel, Add	*242.94*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-4.43*	
		For >100, Deduct	*-8.87*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.01	
		For Galvanized, Add	*23.54*	
		For Stainless Steel, Add	*164.78*	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-2.87*	
		For >100, Deduct	*-5.74*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	76.39	
		For Galvanized, Add	*28.33*	
		For Stainless Steel, Add	*198.28*	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-3.39*	
		For >100, Deduct	*-6.78*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	94.71	
		For Galvanized, Add	*35.51*	
		For Stainless Steel, Add	*248.57*	
		For >10 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-4.14*	
		For >100, Deduct	*-8.29*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	116.38	
		For Galvanized, Add	*43.38*	
		For Stainless Steel, Add	*303.66*	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-5.13*	
		For >100, Deduct	*-10.26*	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	77.59	
		For Galvanized, Add	*29.42*	
		For Stainless Steel, Add	*205.94*	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-3.35*	
		For >100, Deduct	*-6.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	92.69	
		For Galvanized, Add	*35.42*	
		For Stainless Steel, Add	*247.91*	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-3.96*	
		For >100, Deduct	*-7.91*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	115.04	
		For Galvanized, Add	*44.40*	
		For Stainless Steel, Add	*310.77*	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-4.84*	
		For >100, Deduct	*-9.69*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	141.24	
		For Galvanized, Add	*54.22*	
		For Stainless Steel, Add	*379.54*	
		For >10 To 50, Deduct	*-1.64*	
		For >50 To 100, Deduct	*-5.99*	
		For >100, Deduct	*-11.98*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	94.57	
		For Galvanized, Add	*36.78*	
		For Stainless Steel, Add	*257.43*	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-3.94*	
		For >100, Deduct	*-7.88*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	113.05	
		For Galvanized, Add	*44.26*	
		For Stainless Steel, Add	*309.82*	
		For >10 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-4.67*	
		For >100, Deduct	*-9.33*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	140.45	
		For Galvanized, Add	*55.51*	
		For Stainless Steel, Add	*388.54*	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-5.72*	
		For >100, Deduct	*-11.44*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	172.34	
		For Galvanized, Add	*67.78*	
		For Stainless Steel, Add	*474.46*	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-7.07*	
		For >100, Deduct	*-14.13*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.27	
		For Galvanized, Add	*8.14*	
		For Stainless Steel, Add	*56.98*	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.21*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.60	
		For Galvanized, Add	*10.06*	
		For Stainless Steel, Add	*70.39*	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.70*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.48	
		For Galvanized, Add	*11.53*	
		For Stainless Steel, Add	*80.71*	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.24*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.92	
		For Galvanized, Add	*11.97*	
		For Stainless Steel, Add	*83.79*	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.79*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.71	
		For Galvanized, Add	*12.57*	
		For Stainless Steel, Add	*87.96*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.79*	
		For >100, Deduct	*-5.57*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.68	
		For Galvanized, Add	*10.10*	
		For Stainless Steel, Add	*70.67*	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.71*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.94	
		For Galvanized, Add	*11.76*	
		For Stainless Steel, Add	*82.32*	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-2.13*	
		For >100, Deduct	*-4.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.95	
		For Galvanized, Add	*13.49*	
		For Stainless Steel, Add	*94.40*	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.47*	
		For >100, Deduct	*-4.94*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.58	
		For Galvanized, Add	*14.00*	
		For Stainless Steel, Add	*98.00*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.86*	
		For >100, Deduct	*-5.72*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.40	
		For Galvanized, Add	*14.71*	
		For Stainless Steel, Add	*102.97*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.43*	
		For >100, Deduct	*-6.87*	
03 15 19 00-0048		1" And 1-1/8" Diameter *(03 15 19 00-0036)*		
03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.31	
		For Galvanized, Add	*12.95*	
		For Stainless Steel, Add	*90.62*	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-2.19*	
		For >100, Deduct	*-4.38*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.09	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.53*	
		For >100, Deduct	*-5.05*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.14	
		For Galvanized, Add	*16.28*	
		For Stainless Steel, Add	*113.96*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.97*	
		For >100, Deduct	*-5.94*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.55	
		For Galvanized, Add	*17.05*	
		For Stainless Steel, Add	*119.32*	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-3.20*	
		For >100, Deduct	*-6.40*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.68	
		For Galvanized, Add	*17.85*	
		For Stainless Steel, Add	*124.95*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.59*	
		For >100, Deduct	*-7.18*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	71.35	
		For Galvanized, Add	*20.69*	
		For Stainless Steel, Add	*144.80*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-4.03*	
		For >100, Deduct	*-8.06*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	84.39	
		For Galvanized, Add	*24.21*	
		For Stainless Steel, Add	*169.47*	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-4.81*	
		For >100, Deduct	*-9.62*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.03	
		For Galvanized, Add	*17.03*	
		For Stainless Steel, Add	*119.18*	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.65*	
		For >100, Deduct	*-5.30*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.69	
		For Galvanized, Add	*19.06*	
		For Stainless Steel, Add	*133.39*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-3.11*	
		For >100, Deduct	*-6.22*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.34	
		For Galvanized, Add	*19.94*	
		For Stainless Steel, Add	*139.58*	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-3.34*	
		For >100, Deduct	*-6.69*	
03 15 19 00-0059		1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*		
03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.76	
		For Galvanized, Add	*20.59*	
		For Stainless Steel, Add	*144.13*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-3.19*	
		For >100, Deduct	*-6.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	75.17	
		For Galvanized, Add	*24.10*	
		For Stainless Steel, Add	*168.67*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.90*	
		For >100, Deduct	*-7.81*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	82.98	
		For Galvanized, Add	*27.29*	
		For Stainless Steel, Add	*191.03*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-4.20*	
		For >100, Deduct	*-8.41*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	91.61	
		For Galvanized, Add	*30.82*	
		For Stainless Steel, Add	*215.71*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-4.54*	
		For >100, Deduct	*-9.08*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	100.75	
		For Galvanized, Add	*33.52*	
		For Stainless Steel, Add	*234.61*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-5.05*	
		For >100, Deduct	*-10.10*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	110.32	
		For Galvanized, Add	*35.89*	
		For Stainless Steel, Add	*251.23*	
		For >10 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-5.65*	
		For >100, Deduct	*-11.30*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	121.80	
		For Galvanized, Add	*38.42*	
		For Stainless Steel, Add	*268.94*	
		For >10 To 50, Deduct	*-2.25*	
		For >50 To 100, Deduct	*-6.42*	
		For >100, Deduct	*-12.83*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	138.92	
		For Galvanized, Add	*42.48*	
		For Stainless Steel, Add	*297.36*	
		For >10 To 50, Deduct	*-2.70*	
		For >50 To 100, Deduct	*-7.52*	
		For >100, Deduct	*-15.04*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.06	
		For Galvanized, Add	*25.74*	
		For Stainless Steel, Add	*180.18*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-3.45*	
		For >100, Deduct	*-6.89*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	87.23	
		For Galvanized, Add	*30.13*	
		For Stainless Steel, Add	*210.88*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-4.20*	
		For >100, Deduct	*-8.41*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	96.62	
		For Galvanized, Add	*34.11*	
		For Stainless Steel, Add	*238.77*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-4.55*	
		For >100, Deduct	*-9.09*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	107.01	
		For Galvanized, Add	*38.52*	
		For Stainless Steel, Add	*269.61*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-4.92*	
		For >100, Deduct	*-9.85*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	117.53	
		For Galvanized, Add	*41.91*	
		For Stainless Steel, Add	*293.34*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-5.47*	
		For >100, Deduct	*-10.93*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	128.29	
		For Galvanized, Add	*44.88*	
		For Stainless Steel, Add	*314.13*	
		For >10 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-6.10*	
		For >100, Deduct	*-12.20*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	141.80	
		For Galvanized, Add	*48.42*	
		For Stainless Steel, Add	*338.94*	
		For >10 To 50, Deduct	*-2.25*	
		For >50 To 100, Deduct	*-6.92*	
		For >100, Deduct	*-13.83*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	160.18	
		For Galvanized, Add	*53.11*	
		For Stainless Steel, Add	*371.77*	
		For >10 To 50, Deduct	*-2.70*	
		For >50 To 100, Deduct	*-8.05*	
		For >100, Deduct	*-16.10*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0076		1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*		
03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	95.89	
		For Galvanized, Add	*35.68*	
		For Stainless Steel, Add	*249.76*	
		For >10 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-4.24*	
		For >100, Deduct	*-8.47*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.25	
		For Galvanized, Add	*37.43*	
		For Stainless Steel, Add	*261.98*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-4.71*	
		For >100, Deduct	*-9.42*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.10	
		For Galvanized, Add	*41.18*	
		For Stainless Steel, Add	*288.26*	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-5.23*	
		For >100, Deduct	*-10.47*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	123.70	
		For Galvanized, Add	*44.99*	
		For Stainless Steel, Add	*314.93*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-5.62*	
		For >100, Deduct	*-11.24*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	133.57	
		For Galvanized, Add	*48.80*	
		For Stainless Steel, Add	*341.60*	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-6.04*	
		For >100, Deduct	*-12.07*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	146.47	
		For Galvanized, Add	*52.48*	
		For Stainless Steel, Add	*367.36*	
		For >10 To 50, Deduct	*-2.08*	
		For >50 To 100, Deduct	*-6.78*	
		For >100, Deduct	*-13.55*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	162.59	
		For Galvanized, Add	*56.77*	
		For Stainless Steel, Add	*397.39*	
		For >10 To 50, Deduct	*-2.45*	
		For >50 To 100, Deduct	*-7.74*	
		For >100, Deduct	*-15.49*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	185.86	
		For Galvanized, Add	*62.96*	
		For Stainless Steel, Add	*440.69*	
		For >10 To 50, Deduct	*-3.00*	
		For >50 To 100, Deduct	*-9.14*	
		For >100, Deduct	*-18.29*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	134.35	
		For Galvanized, Add	*53.69*	
		For Stainless Steel, Add	*375.80*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-5.38*	
		For >100, Deduct	*-10.76*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.69	
		For Galvanized, Add	*54.86*	
		For Stainless Steel, Add	*383.99*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-5.74*	
		For >100, Deduct	*-11.48*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	143.21	
		For Galvanized, Add	*55.74*	
		For Stainless Steel, Add	*390.15*	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-5.96*	
		For >100, Deduct	*-11.92*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	162.46	
		For Galvanized, Add	*64.37*	
		For Stainless Steel, Add	*450.59*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-6.59*	
		For >100, Deduct	*-13.18*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	187.16	
		For Galvanized, Add	*74.31*	
		For Stainless Steel, Add	*520.17*	
		For >10 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-7.57*	
		For >100, Deduct	*-15.14*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	195.54	
		For Galvanized, Add	*75.29*	
		For Stainless Steel, Add	*527.03*	
		For >10 To 50, Deduct	*-2.25*	
		For >50 To 100, Deduct	*-8.26*	
		For >100, Deduct	*-16.52*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	216.56	
		For Galvanized, Add	*81.30*	
		For Stainless Steel, Add	*569.10*	
		For >10 To 50, Deduct	*-2.70*	
		For >50 To 100, Deduct	*-9.46*	
		For >100, Deduct	*-18.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	242.57	
		For Galvanized, Add	*87.57*	
		For Stainless Steel, Add	*612.96*	
		For >10 To 50, Deduct	*-3.37*	
		For >50 To 100, Deduct	*-11.12*	
		For >100, Deduct	*-22.24*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	195.19	
		For Galvanized, Add	*81.73*	
		For Stainless Steel, Add	*572.08*	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.26*	
		For >100, Deduct	*-14.52*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	212.67	
		For Galvanized, Add	*88.35*	
		For Stainless Steel, Add	*618.45*	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-8.01*	
		For >100, Deduct	*-16.03*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	234.11	
		For Galvanized, Add	*96.30*	
		For Stainless Steel, Add	*674.10*	
		For >10 To 50, Deduct	*-2.08*	
		For >50 To 100, Deduct	*-8.97*	
		For >100, Deduct	*-17.93*	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	253.02	
		For Galvanized, Add	*101.99*	
		For Stainless Steel, Add	*713.90*	
		For >10 To 50, Deduct	*-2.45*	
		For >50 To 100, Deduct	*-10.00*	
		For >100, Deduct	*-20.01*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	273.14	
		For Galvanized, Add	*109.59*	
		For Stainless Steel, Add	*767.13*	
		For >10 To 50, Deduct	*-2.70*	
		For >50 To 100, Deduct	*-10.88*	
		For >100, Deduct	*-21.75*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	293.99	
		For Galvanized, Add	*117.02*	
		For Stainless Steel, Add	*819.14*	
		For >10 To 50, Deduct	*-3.00*	
		For >50 To 100, Deduct	*-11.85*	
		For >100, Deduct	*-23.69*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	328.44	
		For Galvanized, Add	*125.68*	
		For Stainless Steel, Add	*879.76*	
		For >10 To 50, Deduct	*-3.85*	
		For >50 To 100, Deduct	*-13.99*	
		For >100, Deduct	*-27.98*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	353.41	
		For Galvanized, Add	*138.17*	
		For Stainless Steel, Add	*967.16*	
		For >10 To 50, Deduct	*-3.85*	
		For >50 To 100, Deduct	*-14.62*	
		For >100, Deduct	*-29.23*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	397.10	
		For Galvanized, Add	*153.59*	
		For Stainless Steel, Add	*1,075.10*	
		For >10 To 50, Deduct	*-4.50*	
		For >50 To 100, Deduct	*-16.67*	
		For >100, Deduct	*-33.34*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	394.87	
		For Galvanized, Add	*181.57*	
		For Stainless Steel, Add	*1,270.96*	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-12.25*	
		For >100, Deduct	*-24.50*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	415.53	
		For Galvanized, Add	*189.78*	
		For Stainless Steel, Add	*1,328.46*	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-13.09*	
		For >100, Deduct	*-26.17*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	453.14	
		For Galvanized, Add	*205.82*	
		For Stainless Steel, Add	*1,440.71*	
		For >10 To 50, Deduct	*-2.08*	
		For >50 To 100, Deduct	*-14.44*	
		For >100, Deduct	*-28.88*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	482.85	
		For Galvanized, Add	*216.90*	
		For Stainless Steel, Add	*1,518.30*	
		For >10 To 50, Deduct	*-2.45*	
		For >50 To 100, Deduct	*-15.75*	
		For >100, Deduct	*-31.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	511.02	
		For Galvanized, Add	*228.53*	
		For Stainless Steel, Add	*1,599.71*	
		For >10 To 50, Deduct	*-2.70*	
		For >50 To 100, Deduct	*-16.82*	
		For >100, Deduct	*-33.65*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	543.05	
		For Galvanized, Add	*241.55*	
		For Stainless Steel, Add	*1,690.85*	
		For >10 To 50, Deduct	*-3.00*	
		For >50 To 100, Deduct	*-18.07*	
		For >100, Deduct	*-36.15*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	586.84	
		For Galvanized, Add	*254.88*	
		For Stainless Steel, Add	*1,784.16*	
		For >10 To 50, Deduct	*-3.85*	
		For >50 To 100, Deduct	*-20.45*	
		For >100, Deduct	*-40.90*	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	444.81	
		For Galvanized, Add	*205.55*	
		For Stainless Steel, Add	*1,438.82*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-13.65*	
		For >100, Deduct	*-27.30*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	478.28	
		For Galvanized, Add	*219.87*	
		For Stainless Steel, Add	*1,539.09*	
		For >10 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-14.85*	
		For >100, Deduct	*-29.70*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	513.62	
		For Galvanized, Add	*234.33*	
		For Stainless Steel, Add	*1,640.31*	
		For >10 To 50, Deduct	*-2.25*	
		For >50 To 100, Deduct	*-16.21*	
		For >100, Deduct	*-32.43*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	548.67	
		For Galvanized, Add	*247.36*	
		For Stainless Steel, Add	*1,731.49*	
		For >10 To 50, Deduct	*-2.70*	
		For >50 To 100, Deduct	*-17.76*	
		For >100, Deduct	*-35.53*	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	583.12	
		For Galvanized, Add	*261.59*	
		For Stainless Steel, Add	*1,831.10*	
		For >10 To 50, Deduct	*-3.00*	
		For >50 To 100, Deduct	*-19.07*	
		For >100, Deduct	*-38.15*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	631.02	
		For Galvanized, Add	*281.79*	
		For Stainless Steel, Add	*1,972.53*	
		For >10 To 50, Deduct	*-3.37*	
		For >50 To 100, Deduct	*-20.83*	
		For >100, Deduct	*-41.67*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	684.50	
		For Galvanized, Add	*297.29*	
		For Stainless Steel, Add	*2,081.00*	
		For >10 To 50, Deduct	*-4.50*	
		For >50 To 100, Deduct	*-23.86*	
		For >100, Deduct	*-47.71*	

03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lb./LF, #3 - 0.376 Ls./LF, #4 - 0.668 Lb./LF, #5 - 1.043 Lb./LF, #6 - 1.502 Lb./LF, #7 - 2.044 Lb./LF, #8 - 2.670 Lb./LF, #9 - 3.400 Lb./LF, #10 - 4.303 Lb./LF, #11 - 5.313 Lb./LF, #14 - 7.650 Lb./LF, #18 - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.83
		For Up To 100, Add	*0.57*
		For >100 To 200, Add	*0.31*
		For >200 To 500, Add	*0.12*
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.41
		For Up To 100, Add	*0.99*
		For >100 To 200, Add	*0.53*
		For >200 To 500, Add	*0.21*
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.12
		For Up To 100, Add	*1.51*
		For >100 To 200, Add	*0.81*
		For >200 To 500, Add	*0.32*
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.94
		For Up To 100, Add	*2.14*
		For >100 To 200, Add	*1.14*
		For >200 To 500, Add	*0.45*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.45	
		For Up To 100, Add	*1.03*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.17	
		For Up To 100, Add	*1.56*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	3.02	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.50	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.65*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.14	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.49*	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.08	
		For Up To 100, Add	*2.40*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.12	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.76*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.33	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.04*	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.78	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.07*	
		For >200 To 300, Add	*1.04*	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	9.30	
		For Up To 100, Add	*4.70*	
		For >100 To 200, Add	*2.50*	
		For >200 To 300, Add	*1.25*	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	12.97	
		For Up To 100, Add	*6.64*	
		For >100 To 200, Add	*3.51*	
		For >200 To 300, Add	*1.75*	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	22.30	
		For Up To 100, Add	*11.57*	
		For >100 To 200, Add	*6.09*	
		For >200 To 300, Add	*3.04*	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.46*	
		For >100 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.52*	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.25	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.45*	
		For >200 To 400, Add	*0.69*	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.34	
		For Up To 100, Add	*3.23*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.88*	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.60	
		For Up To 100, Add	*4.05*	
		For >100 To 200, Add	*2.30*	
		For >200 To 400, Add	*1.09*	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	8.12	
		For Up To 100, Add	*4.08*	
		For >100 To 200, Add	*2.17*	
		For >200 To 300, Add	*1.09*	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	9.73	
		For Up To 100, Add	*4.95*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	13.58	
		For Up To 100, Add	*7.00*	
		For >100 To 200, Add	*3.69*	
		For >200 To 300, Add	*1.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	23.38	
		For Up To 100, Add	*12.22*	
		For >100 To 200, Add	*6.41*	
		For >200 To 300, Add	*3.21*	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.54	
		For Up To 100, Add	*1.12*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.32	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.23	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.28*	
		For >200 To 500, Add	*0.51*	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.21	
		For Up To 100, Add	*2.50*	
		For >100 To 200, Add	*1.44*	
		For >200 To 400, Add	*0.68*	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.28	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.82*	
		For >200 To 400, Add	*0.86*	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.53	
		For Up To 100, Add	*3.99*	
		For >100 To 200, Add	*2.27*	
		For >200 To 400, Add	*1.08*	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	8.03	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.15*	
		For >200 To 300, Add	*1.07*	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.62	
		For Up To 100, Add	*4.89*	
		For >100 To 200, Add	*2.59*	
		For >200 To 300, Add	*1.30*	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	13.42	
		For Up To 100, Add	*6.91*	
		For >100 To 200, Add	*3.64*	
		For >200 To 300, Add	*1.82*	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	23.11	
		For Up To 100, Add	*12.05*	
		For >100 To 200, Add	*6.33*	
		For >200 To 300, Add	*3.16*	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.86	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.02*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	2.21	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	3.07	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.06*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	3.15	
		For Up To 100, Add	*2.27*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.63*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	2.35	
		For Up To 100, Add	*1.69*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	3.27	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	4.25	
		For Up To 100, Add	*2.46*	
		For >100 To 200, Add	*1.43*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	5.31	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	6.55	
		For Up To 100, Add	*3.92*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.06*	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	8.03	
		For Up To 100, Add	*3.95*	
		For >100 To 200, Add	*2.12*	
		For >200 To 300, Add	*1.06*	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	9.59	
		For Up To 100, Add	*4.78*	
		For >100 To 200, Add	*2.55*	
		For >200 To 300, Add	*1.28*	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	13.36	
		For Up To 100, Add	*6.75*	
		For >100 To 200, Add	*3.59*	
		For >200 To 300, Add	*1.79*	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	22.90	
		For Up To 100, Add	*11.75*	
		For >100 To 200, Add	*6.21*	
		For >200 To 300, Add	*3.10*	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	3.39	
		For Up To 100, Add	*2.51*	
		For >100 To 200, Add	*1.33*	
		For >200 To 500, Add	*0.53*	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	4.42	
		For Up To 100, Add	*2.59*	
		For >100 To 200, Add	*1.50*	
		For >200 To 400, Add	*0.70*	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	5.53	
		For Up To 100, Add	*3.30*	
		For >100 To 200, Add	*1.89*	
		For >200 To 400, Add	*0.89*	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	6.82	
		For Up To 100, Add	*4.12*	
		For >100 To 200, Add	*2.36*	
		For >200 To 400, Add	*1.12*	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	8.37	
		For Up To 100, Add	*4.16*	
		For >100 To 200, Add	*2.22*	
		For >200 To 300, Add	*1.11*	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	10.02	
		For Up To 100, Add	*5.04*	
		For >100 To 200, Add	*2.68*	
		For >200 To 300, Add	*1.34*	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	13.97	
		For Up To 100, Add	*7.12*	
		For >100 To 200, Add	*3.77*	
		For >200 To 300, Add	*1.89*	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	23.98	
		For Up To 100, Add	*12.40*	
		For >100 To 200, Add	*6.53*	
		For >200 To 300, Add	*3.27*	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.65*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.61	
		For Up To 100, Add	*1.15*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.36	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.38	
		For Up To 100, Add	*2.56*	
		For >100 To 200, Add	*1.48*	
		For >200 To 400, Add	*0.70*	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.47	
		For Up To 100, Add	*3.25*	
		For >100 To 200, Add	*1.87*	
		For >200 To 400, Add	*0.88*	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.75	
		For Up To 100, Add	*4.07*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.10*	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	8.28	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.20*	
		For >200 To 300, Add	*1.10*	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	9.91	
		For Up To 100, Add	*4.97*	
		For >100 To 200, Add	*2.65*	
		For >200 To 300, Add	*1.32*	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	13.81	
		For Up To 100, Add	*7.02*	
		For >100 To 200, Add	*3.72*	
		For >200 To 300, Add	*1.86*	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	23.71	
		For Up To 100, Add	*12.23*	
		For >100 To 200, Add	*6.45*	
		For >200 To 300, Add	*3.22*	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.95*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.97	
		For Up To 100, Add	*1.45*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	1.35	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	2.02	
		For Up To 100, Add	*1.50*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.81	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	2.11	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	2.94	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	3.84	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.33*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	4.83	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	5.99	
		For Up To 100, Add	*3.72*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.01*	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	7.38	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.62*	
		For >200 To 400, Add	*1.25*	
		For Up To 100, Add	*3.76*	
		For >100 To 200, Add	*1.99*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	8.86	
		For Up To 100, Add	*5.64*	
		For >100 To 200, Add	*3.17*	
		For >200 To 400, Add	*1.52*	
		For Up To 100, Add	*4.56*	
		For >100 To 200, Add	*2.41*	
		For >200 To 300, Add	*1.20*	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	12.40	
		For Up To 100, Add	*8.00*	
		For >100 To 200, Add	*4.47*	
		For >200 To 400, Add	*2.16*	
		For Up To 100, Add	*6.47*	
		For >100 To 200, Add	*3.40*	
		For >200 To 300, Add	*1.70*	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	21.38	
		For Up To 100, Add	*13.99*	
		For >100 To 200, Add	*7.78*	
		For >200 To 400, Add	*3.76*	
		For Up To 100, Add	*11.29*	
		For >100 To 200, Add	*5.90*	
		For >200 To 300, Add	*2.95*	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	3.06	
		For Up To 100, Add	*2.38*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
		For Up To 100, Add	*1.84*	
		For >100 To 200, Add	*1.05*	
		For >200 To 400, Add	*0.50*	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	4.01	
		For Up To 100, Add	*2.45*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	5.05	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	6.26	
		For Up To 100, Add	*3.93*	
		For >100 To 200, Add	*2.22*	
		For >200 To 400, Add	*1.06*	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	7.72	
		For Up To 100, Add	*3.96*	
		For >100 To 200, Add	*2.09*	
		For >200 To 300, Add	*1.05*	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	9.29	
		For Up To 100, Add	*4.82*	
		For >100 To 200, Add	*2.54*	
		For >200 To 300, Add	*1.27*	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	13.01	
		For Up To 100, Add	*6.83*	
		For >100 To 200, Add	*3.58*	
		For >200 To 300, Add	*1.79*	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	22.46	
		For Up To 100, Add	*11.94*	
		For >100 To 200, Add	*6.23*	
		For >200 To 300, Add	*3.11*	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.61*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.44	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.17	
		For Up To 100, Add	*1.65*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.03	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.97	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.38*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.99	
		For Up To 100, Add	*3.09*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.19	
		For Up To 100, Add	*3.87*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.05*	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.63	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.07*	
		For >200 To 300, Add	*1.03*	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	9.18	
		For Up To 100, Add	*4.76*	
		For >100 To 200, Add	*2.50*	
		For >200 To 300, Add	*1.25*	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	12.85	
		For Up To 100, Add	*6.74*	
		For >100 To 200, Add	*3.53*	
		For >200 To 300, Add	*1.77*	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	22.19	
		For Up To 100, Add	*11.78*	
		For >100 To 200, Add	*6.15*	
		For >200 To 300, Add	*3.07*	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.27	
		For Up To 100, Add	*0.93*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.92	
		For Up To 100, Add	*1.43*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.97*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.97	
		For Up To 100, Add	*1.48*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.10*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.79	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.36	
		For Up To 100, Add	*1.02*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.06	
		For Up To 100, Add	*1.57*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.86	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.76	
		For Up To 100, Add	*2.29*	
		For >100 To 200, Add	*1.31*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.79*	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.88	
		For Up To 100, Add	*3.69*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.00*	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	7.25	
		For Up To 100, Add	*3.72*	
		For >100 To 200, Add	*1.97*	
		For >200 To 300, Add	*0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.71	
		For Up To 100, Add	*4.52*	
		For >100 To 200, Add	*2.38*	
		For >200 To 300, Add	*1.19*	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	12.20	
		For Up To 100, Add	*6.41*	
		For >100 To 200, Add	*3.36*	
		For >200 To 300, Add	*1.68*	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	21.09	
		For Up To 100, Add	*11.21*	
		For >100 To 200, Add	*5.84*	
		For >200 To 300, Add	*2.92*	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.98	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.93	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.37*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.96	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.84*	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.15	
		For Up To 100, Add	*3.89*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.05*	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.59	
		For Up To 100, Add	*3.92*	
		For >100 To 200, Add	*2.07*	
		For >200 To 300, Add	*1.03*	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	9.14	
		For Up To 100, Add	*4.78*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.25*	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	12.81	
		For Up To 100, Add	*6.77*	
		For >100 To 200, Add	*3.54*	
		For >200 To 300, Add	*1.77*	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	22.17	
		For Up To 100, Add	*11.85*	
		For >100 To 200, Add	*6.17*	
		For >200 To 300, Add	*3.08*	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.81	
		For Up To 100, Add	*0.61*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*1.06*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.12	
		For Up To 100, Add	*1.63*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.95	
		For Up To 100, Add	*2.31*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.89	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.36*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.90	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.08	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.16*	
		For >200 To 400, Add	*1.04*	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.50	
		For Up To 100, Add	*3.87*	
		For >100 To 200, Add	*2.04*	
		For >200 To 300, Add	*1.02*	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	9.03	
		For Up To 100, Add	*4.71*	
		For >100 To 200, Add	*2.47*	
		For >200 To 300, Add	*1.24*	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	12.65	
		For Up To 100, Add	*6.68*	
		For >100 To 200, Add	*3.49*	
		For >200 To 300, Add	*1.75*	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	21.90	
		For Up To 100, Add	*11.69*	
		For >100 To 200, Add	*6.09*	
		For >200 To 300, Add	*3.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0157		Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*		
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.20	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.82	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.53	
		For Up To 100, Add	*1.97*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.24	
		For Up To 100, Add	*0.95*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.87	
		For Up To 100, Add	*1.44*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.61	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.29	
		For Up To 100, Add	*1.00*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.96	
		For Up To 100, Add	*1.53*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.73	
		For Up To 100, Add	*2.17*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.60	
		For Up To 100, Add	*2.24*	
		For >100 To 200, Add	*1.27*	
		For >200 To 400, Add	*0.60*	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.54	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.61*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.66	
		For Up To 100, Add	*3.61*	
		For >100 To 200, Add	*2.03*	
		For >200 To 400, Add	*0.97*	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.99	
		For Up To 100, Add	*3.64*	
		For >100 To 200, Add	*1.91*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	8.41	
		For Up To 100, Add	*4.43*	
		For >100 To 200, Add	*2.32*	
		For >200 To 300, Add	*1.16*	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	11.82	
		For Up To 100, Add	*6.29*	
		For >100 To 200, Add	*3.28*	
		For >200 To 300, Add	*1.64*	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	20.49	
		For Up To 100, Add	*11.03*	
		For >100 To 200, Add	*5.72*	
		For >200 To 300, Add	*2.86*	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.85	
		For Up To 100, Add	*2.29*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.77	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.33*	
		For >200 To 400, Add	*0.64*	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.76	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.93	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.13*	
		For >200 To 400, Add	*1.03*	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	7.33	
		For Up To 100, Add	*3.85*	
		For >100 To 200, Add	*2.02*	
		For >200 To 300, Add	*1.01*	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.84	
		For Up To 100, Add	*4.69*	
		For >100 To 200, Add	*2.45*	
		For >200 To 300, Add	*1.22*	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	12.43	
		For Up To 100, Add	*6.66*	
		For >100 To 200, Add	*3.46*	
		For >200 To 300, Add	*1.73*	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	21.57	
		For Up To 100, Add	*11.67*	
		For >100 To 200, Add	*6.05*	
		For >200 To 300, Add	*3.02*	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.77	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.33	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.02	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.73	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.32*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.70	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.68*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.86	
		For Up To 100, Add	*3.76*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.01*	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	7.24	
		For Up To 100, Add	*3.79*	
		For >100 To 200, Add	*1.99*	
		For >200 To 300, Add	*0.99*	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.73	
		For Up To 100, Add	*4.62*	
		For >100 To 200, Add	*2.41*	
		For >200 To 300, Add	*1.21*	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	12.27	
		For Up To 100, Add	*6.56*	
		For >100 To 200, Add	*3.41*	
		For >200 To 300, Add	*1.71*	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	21.30	
		For Up To 100, Add	*11.51*	
		For >100 To 200, Add	*5.97*	
		For >200 To 300, Add	*2.98*	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.68	
		For Up To 100, Add	*0.51*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	1.16	
		For Up To 100, Add	*0.89*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.37*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	2.46	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	1.20	
		For Up To 100, Add	*0.93*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.42*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.73	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	1.25	
		For Up To 100, Add	*0.98*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.90	
		For Up To 100, Add	*1.51*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	3.50	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.24*	
		For >200 To 400, Add	*0.59*	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	4.45	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.59*	
		For >200 To 400, Add	*0.76*	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	5.55	
		For Up To 100, Add	*3.57*	
		For >100 To 200, Add	*2.00*	
		For >200 To 400, Add	*0.96*	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	6.86	
		For Up To 100, Add	*3.60*	
		For >100 To 200, Add	*1.89*	
		For >200 To 300, Add	*0.94*	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	8.27	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.29*	
		For >200 To 300, Add	*1.14*	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	11.63	
		For Up To 100, Add	*6.23*	
		For >100 To 200, Add	*3.24*	
		For >200 To 300, Add	*1.62*	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	20.19	
		For Up To 100, Add	*10.94*	
		For >100 To 200, Add	*5.66*	
		For >200 To 300, Add	*2.83*	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.31*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	4.67	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.68*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	5.82	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.02*	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	7.20	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*1.99*	
		For >200 To 300, Add	*0.99*	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	8.70	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.42*	
		For >200 To 300, Add	*1.21*	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	12.24	
		For Up To 100, Add	*6.60*	
		For >100 To 200, Add	*3.42*	
		For >200 To 300, Add	*1.71*	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	21.27	
		For Up To 100, Add	*11.58*	
		For >100 To 200, Add	*5.99*	
		For >200 To 300, Add	*2.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.29	
		For Up To 100, Add	*1.02*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.96	
		For Up To 100, Add	*1.57*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.75	
		For Up To 100, Add	*2.23*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.63	
		For Up To 100, Add	*2.30*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.61	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.80*	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.75	
		For Up To 100, Add	*3.72*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.00*	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	7.11	
		For Up To 100, Add	*3.75*	
		For >100 To 200, Add	*1.96*	
		For >200 To 300, Add	*0.98*	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	8.59	
		For Up To 100, Add	*4.58*	
		For >100 To 200, Add	*2.39*	
		For >200 To 300, Add	*1.19*	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	12.08	
		For Up To 100, Add	*6.50*	
		For >100 To 200, Add	*3.38*	
		For >200 To 300, Add	*1.69*	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	21.00	
		For Up To 100, Add	*11.42*	
		For >100 To 200, Add	*5.91*	
		For >200 To 300, Add	*2.95*	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	293.79

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	159.01

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	3.65
		For Up To 12" Length, Deduct	*-0.51*
		For >12" To <24" Length, Deduct	*-0.26*
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	4.40
		For Up To 12" Length, Deduct	*-0.67*
		For >12" To <24" Length, Deduct	*-0.34*
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	5.51
		For Up To 12" Length, Deduct	*-1.06*
		For >12" To <24" Length, Deduct	*-0.53*
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	6.84
		For Up To 12" Length, Deduct	*-1.53*
		For >12" To <24" Length, Deduct	*-0.76*
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	8.25
		For Up To 12" Length, Deduct	*-2.13*
		For >12" To <24" Length, Deduct	*-1.06*
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	10.44
		For Up To 12" Length, Deduct	*-2.73*
		For >12" To <24" Length, Deduct	*-1.36*
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	12.38
		For Up To 12" Length, Deduct	*-3.36*
		For >12" To <24" Length, Deduct	*-1.68*
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	15.33
		For Up To 12" Length, Deduct	*-4.40*
		For >12" To <24" Length, Deduct	*-2.20*
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	18.31
		For Up To 12" Length, Deduct	*-5.43*
		For >12" To <24" Length, Deduct	*-2.71*

03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,708.82	
		For Grade 75, Add	*141.73*	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,665.16	
		For Grade 75, Add	*141.73*	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,631.87	
		For Grade 75, Add	*141.73*	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,577.40	
		For Grade 75, Add	*141.73*	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,503.76	
		For Grade 75, Add	*141.73*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,477.40	
		For Grade 75, Add	*145.22*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,415.75	
		For Grade 75, Add	*145.22*	

03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.03	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.77	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.69	
		For Up To 100, Add	*2.08*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.75	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.05	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.83	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.08	
		For Up To 100, Add	*0.82*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.44*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*2.21*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.95	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.64*	
		For >200 To 500, Add	*0.66*	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.20	
		For Up To 100, Add	*3.24*	
		For >100 To 200, Add	*1.83*	
		For >200 To 400, Add	*0.88*	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.58	
		For Up To 100, Add	*4.16*	
		For >100 To 200, Add	*2.34*	
		For >200 To 400, Add	*1.12*	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.18	
		For Up To 100, Add	*5.23*	
		For >100 To 200, Add	*2.93*	
		For >200 To 400, Add	*1.41*	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	10.12	
		For Up To 100, Add	*5.28*	
		For >100 To 200, Add	*2.77*	
		For >200 To 300, Add	*1.39*	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	12.19	
		For Up To 100, Add	*6.43*	
		For >100 To 200, Add	*3.36*	
		For >200 To 300, Add	*1.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	17.13	
		For Up To 100, Add	*9.13*	
		For >100 To 200, Add	*4.76*	
		For >200 To 300, Add	*2.38*	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	29.70	
		For Up To 100, Add	*16.01*	
		For >100 To 200, Add	*8.31*	
		For >200 To 300, Add	*4.15*	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.07	
		For Up To 100, Add	*3.27*	
		For >100 To 200, Add	*1.70*	
		For >200 To 500, Add	*0.68*	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.36	
		For Up To 100, Add	*3.36*	
		For >100 To 200, Add	*1.90*	
		For >200 To 400, Add	*0.91*	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.79	
		For Up To 100, Add	*4.32*	
		For >100 To 200, Add	*2.43*	
		For >200 To 400, Add	*1.17*	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.45	
		For Up To 100, Add	*5.43*	
		For >100 To 200, Add	*3.04*	
		For >200 To 400, Add	*1.46*	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	10.46	
		For Up To 100, Add	*5.49*	
		For >100 To 200, Add	*2.88*	
		For >200 To 300, Add	*1.44*	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	12.62	
		For Up To 100, Add	*6.69*	
		For >100 To 200, Add	*3.49*	
		For >200 To 300, Add	*1.75*	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	17.74	
		For Up To 100, Add	*9.50*	
		For >100 To 200, Add	*4.94*	
		For >200 To 300, Add	*2.47*	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	30.78	
		For Up To 100, Add	*16.66*	
		For >100 To 200, Add	*8.63*	
		For >200 To 300, Add	*4.32*	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*2.12*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.88	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.08	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.88	
		For Up To 100, Add	*1.42*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.83	
		For Up To 100, Add	*2.17*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.96	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.65*	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.11	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.18*	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.93	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.91	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.08	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.67*	
		For >200 To 500, Add	*0.67*	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.37	
		For Up To 100, Add	*3.30*	
		For >100 To 200, Add	*1.88*	
		For >200 To 400, Add	*0.89*	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.77	
		For Up To 100, Add	*4.23*	
		For >100 To 200, Add	*2.39*	
		For >200 To 400, Add	*1.14*	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.40	
		For Up To 100, Add	*5.31*	
		For >100 To 200, Add	*2.99*	
		For >200 To 400, Add	*1.43*	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	10.37	
		For Up To 100, Add	*5.36*	
		For >100 To 200, Add	*2.82*	
		For >200 To 300, Add	*1.41*	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	12.48	
		For Up To 100, Add	*6.52*	
		For >100 To 200, Add	*3.42*	
		For >200 To 300, Add	*1.71*	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	17.52	
		For Up To 100, Add	*9.25*	
		For >100 To 200, Add	*4.84*	
		For >200 To 300, Add	*2.42*	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	30.30	
		For Up To 100, Add	*16.19*	
		For >100 To 200, Add	*8.43*	
		For >200 To 300, Add	*4.21*	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.20	
		For Up To 100, Add	*3.32*	
		For >100 To 200, Add	*1.73*	
		For >200 To 500, Add	*0.69*	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.53	
		For Up To 100, Add	*3.42*	
		For >100 To 200, Add	*1.94*	
		For >200 To 400, Add	*0.93*	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.98	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.47*	
		For >200 To 400, Add	*1.18*	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.67	
		For Up To 100, Add	*5.51*	
		For >100 To 200, Add	*3.10*	
		For >200 To 400, Add	*1.49*	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.71	
		For Up To 100, Add	*5.56*	
		For >100 To 200, Add	*2.93*	
		For >200 To 300, Add	*1.46*	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	12.91	
		For Up To 100, Add	*6.77*	
		For >100 To 200, Add	*3.55*	
		For >200 To 300, Add	*1.77*	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	18.13	
		For Up To 100, Add	*9.62*	
		For >100 To 200, Add	*5.02*	
		For >200 To 300, Add	*2.51*	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	31.38	
		For Up To 100, Add	*16.84*	
		For >100 To 200, Add	*8.75*	
		For >200 To 300, Add	*4.38*	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.96	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	3.55	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.98	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.71	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.59	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	3.63	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.40*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.67	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.75	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.96	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.85*	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.29	
		For Up To 100, Add	*4.06*	
		For >100 To 200, Add	*2.27*	
		For >200 To 400, Add	*1.09*	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.84	
		For Up To 100, Add	*5.11*	
		For >100 To 200, Add	*2.85*	
		For >200 To 400, Add	*1.38*	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.72	
		For Up To 100, Add	*5.16*	
		For >100 To 200, Add	*2.69*	
		For >200 To 300, Add	*1.35*	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	11.75	
		For Up To 100, Add	*6.30*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.64*	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	16.56	
		For Up To 100, Add	*8.96*	
		For >100 To 200, Add	*4.64*	
		For >200 To 300, Add	*2.32*	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	28.78	
		For Up To 100, Add	*15.73*	
		For >100 To 200, Add	*8.12*	
		For >200 To 300, Add	*4.06*	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.87	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.66*	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.12	
		For Up To 100, Add	*3.28*	
		For >100 To 200, Add	*1.84*	
		For >200 To 400, Add	*0.88*	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.50	
		For Up To 100, Add	*4.22*	
		For >100 To 200, Add	*2.35*	
		For >200 To 400, Add	*1.14*	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.11	
		For Up To 100, Add	*5.31*	
		For >100 To 200, Add	*2.96*	
		For >200 To 400, Add	*1.43*	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	10.06	
		For Up To 100, Add	*5.37*	
		For >100 To 200, Add	*2.80*	
		For >200 To 300, Add	*1.40*	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	12.18	
		For Up To 100, Add	*6.56*	
		For >100 To 200, Add	*3.40*	
		For >200 To 300, Add	*1.70*	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	17.17	
		For Up To 100, Add	*9.33*	
		For >100 To 200, Add	*4.83*	
		For >200 To 300, Add	*2.41*	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	29.86	
		For Up To 100, Add	*16.38*	
		For >100 To 200, Add	*8.45*	
		For >200 To 300, Add	*4.22*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0085		Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.49	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	3.47	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.96	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	3.55	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.72	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.62	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.88	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.84*	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.20	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.09*	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.73	
		For Up To 100, Add	*5.07*	
		For >100 To 200, Add	*2.82*	
		For >200 To 400, Add	*1.37*	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.59	
		For Up To 100, Add	*5.12*	
		For >100 To 200, Add	*2.67*	
		For >200 To 300, Add	*1.33*	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	11.60	
		For Up To 100, Add	*6.25*	
		For >100 To 200, Add	*3.24*	
		For >200 To 300, Add	*1.62*	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	16.36	
		For Up To 100, Add	*8.90*	
		For >100 To 200, Add	*4.60*	
		For >200 To 300, Add	*2.30*	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	28.49	
		For Up To 100, Add	*15.65*	
		For >100 To 200, Add	*8.06*	
		For >200 To 300, Add	*4.03*	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.79	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.65*	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.04	
		For Up To 100, Add	*3.25*	
		For >100 To 200, Add	*1.82*	
		For >200 To 400, Add	*0.88*	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.41	
		For Up To 100, Add	*4.19*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.00	
		For Up To 100, Add	*5.28*	
		For >100 To 200, Add	*2.93*	
		For >200 To 400, Add	*1.42*	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.93	
		For Up To 100, Add	*5.33*	
		For >100 To 200, Add	*2.77*	
		For >200 To 300, Add	*1.38*	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	12.03	
		For Up To 100, Add	*6.51*	
		For >100 To 200, Add	*3.37*	
		For >200 To 300, Add	*1.69*	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	16.97	
		For Up To 100, Add	*9.27*	
		For >100 To 200, Add	*4.79*	
		For >200 To 300, Add	*2.39*	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	29.57	
		For Up To 100, Add	*16.29*	
		For >100 To 200, Add	*8.39*	
		For >200 To 300, Add	*4.19*	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.39	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.34	
		For Up To 100, Add	*2.78*	
		For >100 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.60	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.44	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.42	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.65	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.52	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.54	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.72	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.83*	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.00	
		For Up To 100, Add	*3.96*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.07*	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.51	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.77*	
		For >200 To 400, Add	*1.34*	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.33	
		For Up To 100, Add	*5.05*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.30	
		For Up To 100, Add	*6.16*	
		For >100 To 200, Add	*3.18*	
		For >200 To 300, Add	*1.59*	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.98	
		For Up To 100, Add	*8.79*	
		For >100 To 200, Add	*4.53*	
		For >200 To 300, Add	*2.26*	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	27.89	
		For Up To 100, Add	*15.47*	
		For >100 To 200, Add	*7.94*	
		For >200 To 300, Add	*3.97*	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.66	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.88	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.78*	
		For >200 To 400, Add	*0.86*	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.21	
		For Up To 100, Add	*4.12*	
		For >100 To 200, Add	*2.28*	
		For >200 To 400, Add	*1.11*	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.78	
		For Up To 100, Add	*5.20*	
		For >100 To 200, Add	*2.87*	
		For >200 To 400, Add	*1.40*	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.67	
		For Up To 100, Add	*5.25*	
		For >100 To 200, Add	*2.72*	
		For >200 To 300, Add	*1.36*	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.73	
		For Up To 100, Add	*6.42*	
		For >100 To 200, Add	*3.31*	
		For >200 To 300, Add	*1.66*	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	16.59	
		For Up To 100, Add	*9.15*	
		For >100 To 200, Add	*4.71*	
		For >200 To 300, Add	*2.36*	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	28.97	
		For Up To 100, Add	*16.11*	
		For >100 To 200, Add	*8.27*	
		For >200 To 300, Add	*4.13*	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.33	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	3.27	
		For Up To 100, Add	*2.75*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.38	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	3.35	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.61	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.46	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.47	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.52*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.62	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.82*	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.91	
		For Up To 100, Add	*3.93*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.06*	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.40	
		For Up To 100, Add	*4.96*	
		For >100 To 200, Add	*2.74*	
		For >200 To 400, Add	*1.33*	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	9.20	
		For Up To 100, Add	*5.01*	
		For >100 To 200, Add	*2.59*	
		For >200 To 300, Add	*1.29*	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	11.16	
		For Up To 100, Add	*6.12*	
		For >100 To 200, Add	*3.16*	
		For >200 To 300, Add	*1.58*	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	15.79	
		For Up To 100, Add	*8.73*	
		For >100 To 200, Add	*4.49*	
		For >200 To 300, Add	*2.24*	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	27.59	
		For Up To 100, Add	*15.38*	
		For >100 To 200, Add	*7.88*	
		For >200 To 300, Add	*3.94*	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.78	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.85*	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.12	
		For Up To 100, Add	*4.09*	
		For >100 To 200, Add	*2.26*	
		For >200 To 400, Add	*1.10*	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.67	
		For Up To 100, Add	*5.16*	
		For >100 To 200, Add	*2.85*	
		For >200 To 400, Add	*1.39*	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	9.54	
		For Up To 100, Add	*5.21*	
		For >100 To 200, Add	*2.69*	
		For >200 To 300, Add	*1.35*	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	11.59	
		For Up To 100, Add	*6.38*	
		For >100 To 200, Add	*3.29*	
		For >200 To 300, Add	*1.64*	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	16.40	
		For Up To 100, Add	*9.10*	
		For >100 To 200, Add	*4.67*	
		For >200 To 300, Add	*2.34*	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	28.67	
		For Up To 100, Add	*16.02*	
		For >100 To 200, Add	*8.21*	
		For >200 To 300, Add	*4.10*	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.73	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.62	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.66	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.50*	
		For >200 To 500, Add	*0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.03	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.77	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.68	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.74	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.82	
		For Up To 100, Add	*1.40*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.29*	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.76	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.86	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.64*	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.08	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.85*	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.42	
		For Up To 100, Add	*4.04*	
		For >100 To 200, Add	*2.28*	
		For >200 To 400, Add	*1.09*	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.97	
		For Up To 100, Add	*5.07*	
		For >100 To 200, Add	*2.85*	
		For >200 To 400, Add	*1.37*	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.86	
		For Up To 100, Add	*5.13*	
		For >100 To 200, Add	*2.70*	
		For >200 To 300, Add	*1.35*	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.88	
		For Up To 100, Add	*6.24*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.63*	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.68	
		For Up To 100, Add	*8.86*	
		For >100 To 200, Add	*4.62*	
		For >200 To 300, Add	*2.31*	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	28.90	
		For Up To 100, Add	*15.53*	
		For >100 To 200, Add	*8.07*	
		For >200 To 300, Add	*4.03*	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.98	
		For Up To 100, Add	*3.18*	
		For >100 To 200, Add	*1.66*	
		For >200 To 500, Add	*0.66*	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.24	
		For Up To 100, Add	*3.27*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.88*	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.63	
		For Up To 100, Add	*4.20*	
		For >100 To 200, Add	*2.36*	
		For >200 To 400, Add	*1.13*	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.24	
		For Up To 100, Add	*5.28*	
		For >100 To 200, Add	*2.96*	
		For >200 To 400, Add	*1.42*	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	10.20	
		For Up To 100, Add	*5.33*	
		For >100 To 200, Add	*2.80*	
		For >200 To 300, Add	*1.40*	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	12.30	
		For Up To 100, Add	*6.50*	
		For >100 To 200, Add	*3.40*	
		For >200 To 300, Add	*1.70*	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	17.28	
		For Up To 100, Add	*9.22*	
		For >100 To 200, Add	*4.80*	
		For >200 To 300, Add	*2.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	29.98	
		For Up To 100, Add	*16.18*	
		For >100 To 200, Add	*8.39*	
		For >200 To 300, Add	*4.20*	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.80	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.71	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.79	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.77	
		For Up To 100, Add	*2.11*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.87	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.63*	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.09	
		For Up To 100, Add	*0.81*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.43*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.85	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.99	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.65*	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.25	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.83*	
		For >200 To 400, Add	*0.87*	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.61	
		For Up To 100, Add	*4.11*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.11*	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.19	
		For Up To 100, Add	*5.15*	
		For >100 To 200, Add	*2.90*	
		For >200 To 400, Add	*1.39*	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	10.11	
		For Up To 100, Add	*5.20*	
		For >100 To 200, Add	*2.75*	
		For >200 To 300, Add	*1.37*	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	12.17	
		For Up To 100, Add	*6.33*	
		For >100 To 200, Add	*3.33*	
		For >200 To 300, Add	*1.66*	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	17.07	
		For Up To 100, Add	*8.98*	
		For >100 To 200, Add	*4.70*	
		For >200 To 300, Add	*2.35*	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	29.50	
		For Up To 100, Add	*15.71*	
		For >100 To 200, Add	*8.19*	
		For >200 To 300, Add	*4.09*	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.11	
		For Up To 100, Add	*3.23*	
		For >100 To 200, Add	*1.69*	
		For >200 To 500, Add	*0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.41	
		For Up To 100, Add	*3.33*	
		For >100 To 200, Add	*1.89*	
		For >200 To 400, Add	*0.90*	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.82	
		For Up To 100, Add	*4.27*	
		For >100 To 200, Add	*2.41*	
		For >200 To 400, Add	*1.15*	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.46	
		For Up To 100, Add	*5.35*	
		For >100 To 200, Add	*3.01*	
		For >200 To 400, Add	*1.44*	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	10.45	
		For Up To 100, Add	*5.41*	
		For >100 To 200, Add	*2.85*	
		For >200 To 300, Add	*1.42*	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	12.59	
		For Up To 100, Add	*6.58*	
		For >100 To 200, Add	*3.45*	
		For >200 To 300, Add	*1.73*	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	17.67	
		For Up To 100, Add	*9.34*	
		For >100 To 200, Add	*4.88*	
		For >200 To 300, Add	*2.44*	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	30.58	
		For Up To 100, Add	*16.36*	
		For >100 To 200, Add	*8.51*	
		For >200 To 300, Add	*4.26*	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.47	
		For Up To 100, Add	*1.95*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.78*	
		For >100 To 200, Add	*1.45*	
		For >200 To 500, Add	*0.58*	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.96	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.67	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.53	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	3.54	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.72	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.61	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.66	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.84	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.83*	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	6.13	
		For Up To 100, Add	*3.94*	
		For >100 To 200, Add	*2.21*	
		For >200 To 400, Add	*1.06*	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.63	
		For Up To 100, Add	*4.95*	
		For >100 To 200, Add	*2.76*	
		For >200 To 400, Add	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	9.46	
		For Up To 100, Add	*5.01*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	11.44	
		For Up To 100, Add	*6.11*	
		For >100 To 200, Add	*3.18*	
		For >200 To 300, Add	*1.59*	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	16.11	
		For Up To 100, Add	*8.69*	
		For >100 To 200, Add	*4.51*	
		For >200 To 300, Add	*2.25*	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	27.98	
		For Up To 100, Add	*15.25*	
		For >100 To 200, Add	*7.88*	
		For >200 To 300, Add	*3.94*	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.64*	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.00	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.86*	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.34	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.29*	
		For >200 To 400, Add	*1.10*	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	7.90	
		For Up To 100, Add	*5.16*	
		For >100 To 200, Add	*2.87*	
		For >200 To 400, Add	*1.39*	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	9.80	
		For Up To 100, Add	*5.21*	
		For >100 To 200, Add	*2.72*	
		For >200 To 300, Add	*1.36*	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	11.86	
		For Up To 100, Add	*6.36*	
		For >100 To 200, Add	*3.31*	
		For >200 To 300, Add	*1.65*	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	16.71	
		For Up To 100, Add	*9.05*	
		For >100 To 200, Add	*4.69*	
		For >200 To 300, Add	*2.34*	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	29.06	
		For Up To 100, Add	*15.90*	
		For >100 To 200, Add	*8.21*	
		For >200 To 300, Add	*4.10*	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.59	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.42	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.38	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.68	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.56	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.58	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.76	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.82*	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.04	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.05*	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.52	
		For Up To 100, Add	*4.92*	
		For >100 To 200, Add	*2.74*	
		For >200 To 400, Add	*1.32*	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.33	
		For Up To 100, Add	*4.97*	
		For >100 To 200, Add	*2.59*	
		For >200 To 300, Add	*1.29*	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	11.29	
		For Up To 100, Add	*6.07*	
		For >100 To 200, Add	*3.15*	
		For >200 To 300, Add	*1.58*	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.91	
		For Up To 100, Add	*8.63*	
		For >100 To 200, Add	*4.47*	
		For >200 To 300, Add	*2.23*	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	27.69	
		For Up To 100, Add	*15.17*	
		For >100 To 200, Add	*7.82*	
		For >200 To 300, Add	*3.91*	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.63*	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.92	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.85*	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.25	
		For Up To 100, Add	*4.07*	
		For >100 To 200, Add	*2.27*	
		For >200 To 400, Add	*1.10*	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.79	
		For Up To 100, Add	*5.12*	
		For >100 To 200, Add	*2.84*	
		For >200 To 400, Add	*1.38*	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.67	
		For Up To 100, Add	*5.17*	
		For >100 To 200, Add	*2.69*	
		For >200 To 300, Add	*1.35*	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	11.71	
		For Up To 100, Add	*6.32*	
		For >100 To 200, Add	*3.28*	
		For >200 To 300, Add	*1.64*	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	16.51	
		For Up To 100, Add	*8.99*	
		For >100 To 200, Add	*4.65*	
		For >200 To 300, Add	*2.32*	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	28.77	
		For Up To 100, Add	*15.81*	
		For >100 To 200, Add	*8.15*	
		For >200 To 300, Add	*4.07*	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.23*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.32	
		For Up To 100, Add	*1.89*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.25	
		For Up To 100, Add	*2.69*	
		For >100 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.56*	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.38	
		For Up To 100, Add	*1.95*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.33	
		For Up To 100, Add	*2.77*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.61	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.46	
		For Up To 100, Add	*2.03*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.45	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.60	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.80*	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.84	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.13*	
		For >200 To 400, Add	*1.03*	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.30	
		For Up To 100, Add	*4.84*	
		For >100 To 200, Add	*2.68*	
		For >200 To 400, Add	*1.30*	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	9.07	
		For Up To 100, Add	*4.89*	
		For >100 To 200, Add	*2.54*	
		For >200 To 300, Add	*1.27*	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.99	
		For Up To 100, Add	*5.98*	
		For >100 To 200, Add	*3.09*	
		For >200 To 300, Add	*1.55*	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	15.53	
		For Up To 100, Add	*8.52*	
		For >100 To 200, Add	*4.39*	
		For >200 To 300, Add	*2.20*	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	27.09	
		For Up To 100, Add	*14.99*	
		For >100 To 200, Add	*7.70*	
		For >200 To 300, Add	*3.85*	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.57	
		For Up To 100, Add	*3.01*	
		For >100 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.76	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.84*	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	6.05	
		For Up To 100, Add	*4.00*	
		For >100 To 200, Add	*2.22*	
		For >200 To 400, Add	*1.08*	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.57	
		For Up To 100, Add	*5.04*	
		For >100 To 200, Add	*2.79*	
		For >200 To 400, Add	*1.36*	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	9.41	
		For Up To 100, Add	*5.09*	
		For >100 To 200, Add	*2.64*	
		For >200 To 300, Add	*1.32*	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	11.41	
		For Up To 100, Add	*6.23*	
		For >100 To 200, Add	*3.22*	
		For >200 To 300, Add	*1.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	16.13	
		For Up To 100, Add	*8.88*	
		For >100 To 200, Add	*4.57*	
		For >200 To 300, Add	*2.29*	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	28.17	
		For Up To 100, Add	*15.63*	
		For >100 To 200, Add	*8.03*	
		For >200 To 300, Add	*4.01*	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.86	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.21*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	3.18	
		For Up To 100, Add	*2.66*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	2.32	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.40	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.38	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.50	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.79*	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.75	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.02*	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	7.19	
		For Up To 100, Add	*4.80*	
		For >100 To 200, Add	*2.65*	
		For >200 To 400, Add	*1.29*	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	8.94	
		For Up To 100, Add	*4.85*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.26*	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	10.85	
		For Up To 100, Add	*5.93*	
		For >100 To 200, Add	*3.06*	
		For >200 To 300, Add	*1.53*	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	15.34	
		For Up To 100, Add	*8.46*	
		For >100 To 200, Add	*4.35*	
		For >200 To 300, Add	*2.18*	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	26.79	
		For Up To 100, Add	*14.90*	
		For >100 To 200, Add	*7.64*	
		For >200 To 300, Add	*3.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.50	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.66	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.83*	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.96	
		For Up To 100, Add	*3.97*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.07*	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	7.46	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.76*	
		For >200 To 400, Add	*1.34*	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	9.28	
		For Up To 100, Add	*5.06*	
		For >100 To 200, Add	*2.61*	
		For >200 To 300, Add	*1.31*	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	11.27	
		For Up To 100, Add	*6.19*	
		For >100 To 200, Add	*3.19*	
		For >200 To 300, Add	*1.59*	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	15.94	
		For Up To 100, Add	*8.82*	
		For >100 To 200, Add	*4.53*	
		For >200 To 300, Add	*2.27*	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	27.87	
		For Up To 100, Add	*15.54*	
		For >100 To 200, Add	*7.97*	
		For >200 To 300, Add	*3.98*	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.98	
		For Up To 12" Length, Deduct	*-0.71*	
		For >12" To <24" Length, Deduct	*-0.36*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.18	
		For Up To 12" Length, Deduct	*-1.08*	
		For >12" To <24" Length, Deduct	*-0.54*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	9.04	
		For Up To 12" Length, Deduct	*-1.61*	
		For >12" To <24" Length, Deduct	*-0.80*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	11.31	
		For Up To 12" Length, Deduct	*-2.14*	
		For >12" To <24" Length, Deduct	*-1.07*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	13.79	
		For Up To 12" Length, Deduct	*-2.91*	
		For >12" To <24" Length, Deduct	*-1.46*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	16.15	
		For Up To 12" Length, Deduct	*-3.58*	
		For >12" To <24" Length, Deduct	*-1.79*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	19.12	
		For Up To 12" Length, Deduct	*-4.34*	
		For >12" To <24" Length, Deduct	*-2.17*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	23.05	
		For Up To 12" Length, Deduct	*-5.26*	
		For >12" To <24" Length, Deduct	*-2.63*	

03 21 19 Stainless Steel Reinforcement Bars *(03 21)*

03 21 19 00-0001 Beams And Girders, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0002	LF	#3, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar	2.04	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.37*	
03 21 19 00-0003	LF	#4, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar	3.62	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.64*	
		For >200 To 500, Add	*0.65*	
03 21 19 00-0004	LF	#5, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar	5.51	
		For Up To 100, Add	*4.90*	
		For >100 To 200, Add	*2.50*	
		For >200 To 500, Add	*1.00*	
03 21 19 00-0005	LF	#6, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar	7.76	
		For Up To 100, Add	*6.96*	
		For >100 To 200, Add	*3.55*	
		For >200 To 500, Add	*1.42*	
03 21 19 00-0006	LF	#3, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	2.25	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 19 00-0007	LF	#4, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	4.00	
		For Up To 100, Add	*3.58*	
		For >100 To 200, Add	*1.83*	
		For >200 To 500, Add	*0.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0008	LF	#5, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	6.09	
		For Up To 100, Add	*5.48*	
		For >100 To 200, Add	*2.79*	
		For >200 To 500, Add	*1.12*	
03 21 19 00-0009	LF	#6, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	8.60	
		For Up To 100, Add	*7.80*	
		For >100 To 200, Add	*3.97*	
		For >200 To 500, Add	*1.59*	
03 21 19 00-0010	LF	#7, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	11.53	
		For Up To 100, Add	*7.99*	
		For >100 To 200, Add	*4.37*	
		For >200 To 400, Add	*2.14*	
03 21 19 00-0011	LF	#8, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	14.97	
		For Up To 100, Add	*10.46*	
		For >100 To 200, Add	*5.70*	
		For >200 To 400, Add	*2.80*	
03 21 19 00-0012	LF	#9, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	18.80	
		For Up To 100, Add	*13.20*	
		For >100 To 200, Add	*7.18*	
		For >200 To 400, Add	*3.53*	
03 21 19 00-0013	LF	#10, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	23.57	
		For Up To 100, Add	*13.35*	
		For >100 To 200, Add	*6.81*	
		For >200 To 300, Add	*3.40*	
03 21 19 00-0014	LF	#11, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	28.67	
		For Up To 100, Add	*16.32*	
		For >100 To 200, Add	*8.31*	
		For >200 To 300, Add	*4.15*	
03 21 19 00-0015	LF	#14, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	40.92	
		For Up To 100, Add	*23.41*	
		For >100 To 200, Add	*11.89*	
		For >200 To 300, Add	*5.95*	
03 21 19 00-0016	LF	#18, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	71.97	
		For Up To 100, Add	*41.37*	
		For >100 To 200, Add	*20.99*	
		For >200 To 300, Add	*10.49*	
03 21 19 00-0017	LF	#6, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	9.02	
		For Up To 100, Add	*8.22*	
		For >100 To 200, Add	*4.18*	
		For >200 To 500, Add	*1.67*	
03 21 19 00-0018	LF	#7, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	12.11	
		For Up To 100, Add	*8.43*	
		For >100 To 200, Add	*4.60*	
		For >200 To 400, Add	*2.26*	
03 21 19 00-0019	LF	#8, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	15.72	
		For Up To 100, Add	*11.02*	
		For >100 To 200, Add	*6.00*	
		For >200 To 400, Add	*2.95*	
03 21 19 00-0020	LF	#9, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	19.75	
		For Up To 100, Add	*13.91*	
		For >100 To 200, Add	*7.56*	
		For >200 To 400, Add	*3.72*	
03 21 19 00-0021	LF	#10, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	24.78	
		For Up To 100, Add	*14.08*	
		For >100 To 200, Add	*7.17*	
		For >200 To 300, Add	*3.59*	
03 21 19 00-0022	LF	#11, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	30.15	
		For Up To 100, Add	*17.21*	
		For >100 To 200, Add	*8.75*	
		For >200 To 300, Add	*4.38*	
03 21 19 00-0023	LF	#14, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	43.06	
		For Up To 100, Add	*24.69*	
		For >100 To 200, Add	*12.54*	
		For >200 To 300, Add	*6.27*	
03 21 19 00-0024	LF	#18, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	75.78	
		For Up To 100, Add	*43.66*	
		For >100 To 200, Add	*22.13*	
		For >200 To 300, Add	*11.07*	

03 21 19 00-0025 Columns, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0026	LF	#3, Grade 40, Columns, Stainless Steel Reinforcement Bar	2.07	
		For Up To 100, Add	*1.79*	
		For >100 To 200, Add	*0.92*	
		For >200 To 500, Add	*0.37*	
03 21 19 00-0027	LF	#4, Grade 40, Columns, Stainless Steel Reinforcement Bar	3.69	
		For Up To 100, Add	*3.23*	
		For >100 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.66*	
03 21 19 00-0028	LF	#5, Grade 40, Columns, Stainless Steel Reinforcement Bar	5.60	
		For Up To 100, Add	*4.94*	
		For >100 To 200, Add	*2.53*	
		For >200 To 500, Add	*1.01*	
03 21 19 00-0029	LF	#6, Grade 40, Columns, Stainless Steel Reinforcement Bar	7.89	
		For Up To 100, Add	*7.01*	
		For >100 To 200, Add	*3.58*	
		For >200 To 500, Add	*1.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0030	LF	#3, Grade 60, Columns, Stainless Steel Reinforcement Bar	2.28	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 19 00-0031	LF	#4, Grade 60, Columns, Stainless Steel Reinforcement Bar	4.07	
		For Up To 100, Add	*3.61*	
		For >100 To 200, Add	*1.84*	
		For >200 To 500, Add	*0.74*	
03 21 19 00-0032	LF	#5, Grade 60, Columns, Stainless Steel Reinforcement Bar	6.18	
		For Up To 100, Add	*5.52*	
		For >100 To 200, Add	*2.82*	
		For >200 To 500, Add	*1.13*	
03 21 19 00-0033	LF	#6, Grade 60, Columns, Stainless Steel Reinforcement Bar	8.73	
		For Up To 100, Add	*7.85*	
		For >100 To 200, Add	*4.00*	
		For >200 To 500, Add	*1.60*	
03 21 19 00-0034	LF	#7, Grade 60, Columns, Stainless Steel Reinforcement Bar	11.70	
		For Up To 100, Add	*8.05*	
		For >100 To 200, Add	*4.41*	
		For >200 To 400, Add	*2.16*	
03 21 19 00-0035	LF	#8, Grade 60, Columns, Stainless Steel Reinforcement Bar	15.16	
		For Up To 100, Add	*10.52*	
		For >100 To 200, Add	*5.75*	
		For >200 To 400, Add	*2.82*	
03 21 19 00-0036	LF	#9, Grade 60, Columns, Stainless Steel Reinforcement Bar	19.02	
		For Up To 100, Add	*13.27*	
		For >100 To 200, Add	*7.24*	
		For >200 To 400, Add	*3.56*	
03 21 19 00-0037	LF	#10, Grade 60, Columns, Stainless Steel Reinforcement Bar	23.82	
		For Up To 100, Add	*13.43*	
		For >100 To 200, Add	*6.86*	
		For >200 To 300, Add	*3.43*	
03 21 19 00-0038	LF	#11, Grade 60, Columns, Stainless Steel Reinforcement Bar	28.96	
		For Up To 100, Add	*16.40*	
		For >100 To 200, Add	*8.36*	
		For >200 To 300, Add	*4.18*	
03 21 19 00-0039	LF	#14, Grade 60, Columns, Stainless Steel Reinforcement Bar	41.31	
		For Up To 100, Add	*23.52*	
		For >100 To 200, Add	*11.97*	
		For >200 To 300, Add	*5.99*	
03 21 19 00-0040	LF	#18, Grade 60, Columns, Stainless Steel Reinforcement Bar	72.57	
		For Up To 100, Add	*41.55*	
		For >100 To 200, Add	*21.11*	
		For >200 To 300, Add	*10.55*	
03 21 19 00-0041	LF	#6, Grade 75, Columns, Stainless Steel Reinforcement Bar	9.15	
		For Up To 100, Add	*8.27*	
		For >100 To 200, Add	*4.21*	
		For >200 To 500, Add	*1.68*	
03 21 19 00-0042	LF	#7, Grade 75, Columns, Stainless Steel Reinforcement Bar	12.28	
		For Up To 100, Add	*8.49*	
		For >100 To 200, Add	*4.64*	
		For >200 To 400, Add	*2.28*	
03 21 19 00-0043	LF	#8, Grade 75, Columns, Stainless Steel Reinforcement Bar	15.91	
		For Up To 100, Add	*11.08*	
		For >100 To 200, Add	*6.05*	
		For >200 To 400, Add	*2.97*	
03 21 19 00-0044	LF	#9, Grade 75, Columns, Stainless Steel Reinforcement Bar	19.97	
		For Up To 100, Add	*13.99*	
		For >100 To 200, Add	*7.62*	
		For >200 To 400, Add	*3.75*	
03 21 19 00-0045	LF	#10, Grade 75, Columns, Stainless Steel Reinforcement Bar	25.03	
		For Up To 100, Add	*14.15*	
		For >100 To 200, Add	*7.22*	
		For >200 To 300, Add	*3.61*	
03 21 19 00-0046	LF	#11, Grade 75, Columns, Stainless Steel Reinforcement Bar	30.44	
		For Up To 100, Add	*17.29*	
		For >100 To 200, Add	*8.81*	
		For >200 To 300, Add	*4.40*	
03 21 19 00-0047	LF	#14, Grade 75, Columns, Stainless Steel Reinforcement Bar	43.45	
		For Up To 100, Add	*24.81*	
		For >100 To 200, Add	*12.61*	
		For >200 To 300, Add	*6.31*	
03 21 19 00-0048	LF	#18, Grade 75, Columns, Stainless Steel Reinforcement Bar	76.38	
		For Up To 100, Add	*43.84*	
		For >100 To 200, Add	*22.25*	
		For >200 To 300, Add	*11.13*	

03 21 19 00-0049 Footings, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0050	LF	#3, Grade 40, Footings, Stainless Steel Reinforcement Bar	1.97	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 19 00-0051	LF	#4, Grade 40, Footings, Stainless Steel Reinforcement Bar	3.52	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0052	LF	#5, Grade 40, Footings, Stainless Steel Reinforcement Bar	5.36	
		For Up To 100, Add	*4.84*	
		For >100 To 200, Add	*2.47*	
		For >200 To 500, Add	*0.99*	
03 21 19 00-0053	LF	#6, Grade 40, Footings, Stainless Steel Reinforcement Bar	7.56	
		For Up To 100, Add	*6.88*	
		For >100 To 200, Add	*3.50*	
		For >200 To 500, Add	*1.40*	
03 21 19 00-0054	LF	#3, Grade 60, Footings, Stainless Steel Reinforcement Bar	2.18	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 19 00-0055	LF	#4, Grade 60, Footings, Stainless Steel Reinforcement Bar	3.90	
		For Up To 100, Add	*3.54*	
		For >100 To 200, Add	*1.80*	
		For >200 To 500, Add	*0.72*	
03 21 19 00-0056	LF	#5, Grade 60, Footings, Stainless Steel Reinforcement Bar	5.94	
		For Up To 100, Add	*5.42*	
		For >100 To 200, Add	*2.76*	
		For >200 To 500, Add	*1.10*	
03 21 19 00-0057	LF	#6, Grade 60, Footings, Stainless Steel Reinforcement Bar	8.40	
		For Up To 100, Add	*7.72*	
		For >100 To 200, Add	*3.92*	
		For >200 To 500, Add	*1.57*	
03 21 19 00-0058	LF	#7, Grade 60, Footings, Stainless Steel Reinforcement Bar	11.29	
		For Up To 100, Add	*7.91*	
		For >100 To 200, Add	*4.31*	
		For >200 To 400, Add	*2.12*	
03 21 19 00-0059	LF	#8, Grade 60, Footings, Stainless Steel Reinforcement Bar	14.68	
		For Up To 100, Add	*10.35*	
		For >100 To 200, Add	*5.63*	
		For >200 To 400, Add	*2.77*	
03 21 19 00-0060	LF	#9, Grade 60, Footings, Stainless Steel Reinforcement Bar	18.46	
		For Up To 100, Add	*13.08*	
		For >100 To 200, Add	*7.10*	
		For >200 To 400, Add	*3.50*	
03 21 19 00-0061	LF	#10, Grade 60, Footings, Stainless Steel Reinforcement Bar	23.17	
		For Up To 100, Add	*13.23*	
		For >100 To 200, Add	*6.73*	
		For >200 To 300, Add	*3.36*	
03 21 19 00-0062	LF	#11, Grade 60, Footings, Stainless Steel Reinforcement Bar	28.23	
		For Up To 100, Add	*16.19*	
		For >100 To 200, Add	*8.22*	
		For >200 To 300, Add	*4.11*	
03 21 19 00-0063	LF	#14, Grade 60, Footings, Stainless Steel Reinforcement Bar	40.35	
		For Up To 100, Add	*23.24*	
		For >100 To 200, Add	*11.78*	
		For >200 To 300, Add	*5.89*	
03 21 19 00-0064	LF	#18, Grade 60, Footings, Stainless Steel Reinforcement Bar	71.05	
		For Up To 100, Add	*41.09*	
		For >100 To 200, Add	*20.80*	
		For >200 To 300, Add	*10.40*	
03 21 19 00-0065	LF	#6, Grade 75, Footings, Stainless Steel Reinforcement Bar	8.82	
		For Up To 100, Add	*8.14*	
		For >100 To 200, Add	*4.13*	
		For >200 To 500, Add	*1.65*	
03 21 19 00-0066	LF	#7, Grade 75, Footings, Stainless Steel Reinforcement Bar	11.87	
		For Up To 100, Add	*8.34*	
		For >100 To 200, Add	*4.54*	
		For >200 To 400, Add	*2.23*	
03 21 19 00-0067	LF	#8, Grade 75, Footings, Stainless Steel Reinforcement Bar	15.43	
		For Up To 100, Add	*10.92*	
		For >100 To 200, Add	*5.93*	
		For >200 To 400, Add	*2.92*	
03 21 19 00-0068	LF	#9, Grade 75, Footings, Stainless Steel Reinforcement Bar	19.41	
		For Up To 100, Add	*13.79*	
		For >100 To 200, Add	*7.48*	
		For >200 To 400, Add	*3.69*	
03 21 19 00-0069	LF	#10, Grade 75, Footings, Stainless Steel Reinforcement Bar	24.38	
		For Up To 100, Add	*13.96*	
		For >100 To 200, Add	*7.09*	
		For >200 To 300, Add	*3.55*	
03 21 19 00-0070	LF	#11, Grade 75, Footings, Stainless Steel Reinforcement Bar	29.71	
		For Up To 100, Add	*17.07*	
		For >100 To 200, Add	*8.66*	
		For >200 To 300, Add	*4.33*	
03 21 19 00-0071	LF	#14, Grade 75, Footings, Stainless Steel Reinforcement Bar	42.49	
		For Up To 100, Add	*24.52*	
		For >100 To 200, Add	*12.42*	
		For >200 To 300, Add	*6.21*	
03 21 19 00-0072	LF	#18, Grade 75, Footings, Stainless Steel Reinforcement Bar	74.86	
		For Up To 100, Add	*43.38*	
		For >100 To 200, Add	*21.95*	
		For >200 To 300, Add	*10.97*	

03 21 19 00-0073 Slab On Grade, Stainless Steel Reinforcement Bar *(03 21 19)*
Note: ASTM A-955.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0074	LF	#3, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	1.95	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.36*	
03 21 19 00-0075	LF	#4, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	3.48	
		For Up To 100, Add	*3.14*	
		For >100 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.64*	
03 21 19 00-0076	LF	#5, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	5.31	
		For Up To 100, Add	*4.82*	
		For >100 To 200, Add	*2.45*	
		For >200 To 500, Add	*0.98*	
03 21 19 00-0077	LF	#6, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	7.48	
		For Up To 100, Add	*6.84*	
		For >100 To 200, Add	*3.48*	
		For >200 To 500, Add	*1.39*	
03 21 19 00-0078	LF	#3, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	2.16	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 19 00-0079	LF	#4, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	3.86	
		For Up To 100, Add	*3.52*	
		For >100 To 200, Add	*1.79*	
		For >200 To 500, Add	*0.72*	
03 21 19 00-0080	LF	#5, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	5.89	
		For Up To 100, Add	*5.40*	
		For >100 To 200, Add	*2.74*	
		For >200 To 500, Add	*1.10*	
03 21 19 00-0081	LF	#6, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	8.32	
		For Up To 100, Add	*7.68*	
		For >100 To 200, Add	*3.90*	
		For >200 To 500, Add	*1.56*	
03 21 19 00-0082	LF	#7, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	11.21	
		For Up To 100, Add	*7.88*	
		For >100 To 200, Add	*4.29*	
		For >200 To 400, Add	*2.11*	
03 21 19 00-0083	LF	#8, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	14.59	
		For Up To 100, Add	*10.32*	
		For >100 To 200, Add	*5.60*	
		For >200 To 400, Add	*2.76*	
03 21 19 00-0084	LF	#9, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	18.35	
		For Up To 100, Add	*13.04*	
		For >100 To 200, Add	*7.07*	
		For >200 To 400, Add	*3.49*	
03 21 19 00-0085	LF	#10, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	23.04	
		For Up To 100, Add	*13.19*	
		For >100 To 200, Add	*6.70*	
		For >200 To 300, Add	*3.35*	
03 21 19 00-0086	LF	#11, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	28.08	
		For Up To 100, Add	*16.14*	
		For >100 To 200, Add	*8.19*	
		For >200 To 300, Add	*4.09*	
03 21 19 00-0087	LF	#14, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	40.15	
		For Up To 100, Add	*23.18*	
		For >100 To 200, Add	*11.74*	
		For >200 To 300, Add	*5.87*	
03 21 19 00-0088	LF	#18, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	70.76	
		For Up To 100, Add	*41.01*	
		For >100 To 200, Add	*20.75*	
		For >200 To 300, Add	*10.37*	
03 21 19 00-0089	LF	#6, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	8.74	
		For Up To 100, Add	*8.10*	
		For >100 To 200, Add	*4.11*	
		For >200 To 500, Add	*1.64*	
03 21 19 00-0090	LF	#7, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	11.79	
		For Up To 100, Add	*8.31*	
		For >100 To 200, Add	*4.52*	
		For >200 To 400, Add	*2.23*	
03 21 19 00-0091	LF	#8, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	15.34	
		For Up To 100, Add	*10.89*	
		For >100 To 200, Add	*5.90*	
		For >200 To 400, Add	*2.91*	
03 21 19 00-0092	LF	#9, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	19.30	
		For Up To 100, Add	*13.75*	
		For >100 To 200, Add	*7.45*	
		For >200 To 400, Add	*3.68*	
03 21 19 00-0093	LF	#10, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	24.25	
		For Up To 100, Add	*13.92*	
		For >100 To 200, Add	*7.07*	
		For >200 To 300, Add	*3.53*	
03 21 19 00-0094	LF	#11, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	29.56	
		For Up To 100, Add	*17.03*	
		For >100 To 200, Add	*8.63*	
		For >200 To 300, Add	*4.32*	
03 21 19 00-0095	LF	#14, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	42.29	
		For Up To 100, Add	*24.46*	
		For >100 To 200, Add	*12.38*	
		For >200 To 300, Add	*6.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0096	LF	#18, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	74.57	
		For Up To 100, Add	*43.29*	
		For >100 To 200, Add	*21.89*	
		For >200 To 300, Add	*10.94*	

03 21 19 00-0097 Elevated Slabs, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0098	LF	#3, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	1.91	
		For Up To 100, Add	*1.73*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 19 00-0099	LF	#4, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	3.41	
		For Up To 100, Add	*3.12*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 19 00-0100	LF	#5, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	5.21	
		For Up To 100, Add	*4.78*	
		For >100 To 200, Add	*2.43*	
		For >200 To 500, Add	*0.97*	
03 21 19 00-0101	LF	#6, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	7.35	
		For Up To 100, Add	*6.79*	
		For >100 To 200, Add	*3.44*	
		For >200 To 500, Add	*1.38*	
03 21 19 00-0102	LF	#3, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	2.12	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.39*	
03 21 19 00-0103	LF	#4, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	3.79	
		For Up To 100, Add	*3.50*	
		For >100 To 200, Add	*1.77*	
		For >200 To 500, Add	*0.71*	
03 21 19 00-0104	LF	#5, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	5.79	
		For Up To 100, Add	*5.36*	
		For >100 To 200, Add	*2.72*	
		For >200 To 500, Add	*1.09*	
03 21 19 00-0105	LF	#6, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	8.19	
		For Up To 100, Add	*7.63*	
		For >100 To 200, Add	*3.86*	
		For >200 To 500, Add	*1.55*	
03 21 19 00-0106	LF	#7, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	11.05	
		For Up To 100, Add	*7.82*	
		For >100 To 200, Add	*4.25*	
		For >200 To 400, Add	*2.09*	
03 21 19 00-0107	LF	#8, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	14.39	
		For Up To 100, Add	*10.25*	
		For >100 To 200, Add	*5.55*	
		For >200 To 400, Add	*2.74*	
03 21 19 00-0108	LF	#9, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	18.13	
		For Up To 100, Add	*12.96*	
		For >100 To 200, Add	*7.01*	
		For >200 To 400, Add	*3.47*	
03 21 19 00-0109	LF	#10, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	22.78	
		For Up To 100, Add	*13.12*	
		For >100 To 200, Add	*6.65*	
		For >200 To 300, Add	*3.33*	
03 21 19 00-0110	LF	#11, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	27.78	
		For Up To 100, Add	*16.05*	
		For >100 To 200, Add	*8.13*	
		For >200 To 300, Add	*4.06*	
03 21 19 00-0111	LF	#14, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	39.77	
		For Up To 100, Add	*23.06*	
		For >100 To 200, Add	*11.66*	
		For >200 To 300, Add	*5.83*	
03 21 19 00-0112	LF	#18, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	70.16	
		For Up To 100, Add	*40.83*	
		For >100 To 200, Add	*20.63*	
		For >200 To 300, Add	*10.31*	
03 21 19 00-0113	LF	#6, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	8.61	
		For Up To 100, Add	*8.05*	
		For >100 To 200, Add	*4.07*	
		For >200 To 500, Add	*1.63*	
03 21 19 00-0114	LF	#7, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	11.63	
		For Up To 100, Add	*8.26*	
		For >100 To 200, Add	*4.48*	
		For >200 To 400, Add	*2.21*	
03 21 19 00-0115	LF	#8, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	15.14	
		For Up To 100, Add	*10.82*	
		For >100 To 200, Add	*5.85*	
		For >200 To 400, Add	*2.89*	
03 21 19 00-0116	LF	#9, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	19.08	
		For Up To 100, Add	*13.67*	
		For >100 To 200, Add	*7.39*	
		For >200 To 400, Add	*3.66*	
03 21 19 00-0117	LF	#10, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	23.99	
		For Up To 100, Add	*13.84*	
		For >100 To 200, Add	*7.01*	
		For >200 To 300, Add	*3.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0118	LF	#11, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	29.26	
		For Up To 100, Add	*16.94*	
		For >100 To 200, Add	*8.57*	
		For >200 To 300, Add	*4.29*	
03 21 19 00-0119	LF	#14, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	41.91	
		For Up To 100, Add	*24.35*	
		For >100 To 200, Add	*12.31*	
		For >200 To 300, Add	*6.15*	
03 21 19 00-0120	LF	#18, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	73.97	
		For Up To 100, Add	*43.11*	
		For >100 To 200, Add	*21.77*	
		For >200 To 300, Add	*10.88*	

03 21 19 00-0121 Walls, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0122	LF	#3, Grade 40, Walls, Stainless Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.72*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 19 00-0123	LF	#4, Grade 40, Walls, Stainless Steel Reinforcement Bar	3.37	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.63*	
03 21 19 00-0124	LF	#5, Grade 40, Walls, Stainless Steel Reinforcement Bar	5.15	
		For Up To 100, Add	*4.76*	
		For >100 To 200, Add	*2.41*	
		For >200 To 500, Add	*0.97*	
03 21 19 00-0125	LF	#6, Grade 40, Walls, Stainless Steel Reinforcement Bar	7.28	
		For Up To 100, Add	*6.76*	
		For >100 To 200, Add	*3.43*	
		For >200 To 500, Add	*1.37*	
03 21 19 00-0126	LF	#3, Grade 60, Walls, Stainless Steel Reinforcement Bar	2.10	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 19 00-0127	LF	#4, Grade 60, Walls, Stainless Steel Reinforcement Bar	3.75	
		For Up To 100, Add	*3.48*	
		For >100 To 200, Add	*1.76*	
		For >200 To 500, Add	*0.71*	
03 21 19 00-0128	LF	#5, Grade 60, Walls, Stainless Steel Reinforcement Bar	5.73	
		For Up To 100, Add	*5.34*	
		For >100 To 200, Add	*2.70*	
		For >200 To 500, Add	*1.08*	
03 21 19 00-0129	LF	#6, Grade 60, Walls, Stainless Steel Reinforcement Bar	8.12	
		For Up To 100, Add	*7.60*	
		For >100 To 200, Add	*3.85*	
		For >200 To 500, Add	*1.54*	
03 21 19 00-0130	LF	#7, Grade 60, Walls, Stainless Steel Reinforcement Bar	10.95	
		For Up To 100, Add	*7.79*	
		For >100 To 200, Add	*4.22*	
		For >200 To 400, Add	*2.08*	
03 21 19 00-0131	LF	#8, Grade 60, Walls, Stainless Steel Reinforcement Bar	14.30	
		For Up To 100, Add	*10.22*	
		For >100 To 200, Add	*5.53*	
		For >200 To 400, Add	*2.73*	
03 21 19 00-0132	LF	#9, Grade 60, Walls, Stainless Steel Reinforcement Bar	18.02	
		For Up To 100, Add	*12.92*	
		For >100 To 200, Add	*6.99*	
		For >200 To 400, Add	*3.46*	
03 21 19 00-0133	LF	#10, Grade 60, Walls, Stainless Steel Reinforcement Bar	22.65	
		For Up To 100, Add	*13.08*	
		For >100 To 200, Add	*6.62*	
		For >200 To 300, Add	*3.31*	
03 21 19 00-0134	LF	#11, Grade 60, Walls, Stainless Steel Reinforcement Bar	27.64	
		For Up To 100, Add	*16.01*	
		For >100 To 200, Add	*8.10*	
		For >200 To 300, Add	*4.05*	
03 21 19 00-0135	LF	#14, Grade 60, Walls, Stainless Steel Reinforcement Bar	39.58	
		For Up To 100, Add	*23.00*	
		For >100 To 200, Add	*11.63*	
		For >200 To 300, Add	*5.81*	
03 21 19 00-0136	LF	#18, Grade 60, Walls, Stainless Steel Reinforcement Bar	69.86	
		For Up To 100, Add	*40.74*	
		For >100 To 200, Add	*20.57*	
		For >200 To 300, Add	*10.28*	
03 21 19 00-0137	LF	#6, Grade 75, Walls, Stainless Steel Reinforcement Bar	8.54	
		For Up To 100, Add	*8.02*	
		For >100 To 200, Add	*4.06*	
		For >200 To 500, Add	*1.62*	
03 21 19 00-0138	LF	#7, Grade 75, Walls, Stainless Steel Reinforcement Bar	11.53	
		For Up To 100, Add	*8.22*	
		For >100 To 200, Add	*4.45*	
		For >200 To 400, Add	*2.20*	
03 21 19 00-0139	LF	#8, Grade 75, Walls, Stainless Steel Reinforcement Bar	15.05	
		For Up To 100, Add	*10.78*	
		For >100 To 200, Add	*5.83*	
		For >200 To 400, Add	*2.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0140	LF	#9, Grade 75, Walls, Stainless Steel Reinforcement Bar	18.97	
		For Up To 100, Add	*13.64*	
		For >100 To 200, Add	*7.37*	
		For >200 To 400, Add	*3.65*	
03 21 19 00-0141	LF	#10, Grade 75, Walls, Stainless Steel Reinforcement Bar	23.86	
		For Up To 100, Add	*13.80*	
		For >100 To 200, Add	*6.99*	
		For >200 To 300, Add	*3.49*	
03 21 19 00-0142	LF	#11, Grade 75, Walls, Stainless Steel Reinforcement Bar	29.12	
		For Up To 100, Add	*16.90*	
		For >100 To 200, Add	*8.54*	
		For >200 To 300, Add	*4.27*	
03 21 19 00-0143	LF	#14, Grade 75, Walls, Stainless Steel Reinforcement Bar	41.72	
		For Up To 100, Add	*24.29*	
		For >100 To 200, Add	*12.27*	
		For >200 To 300, Add	*6.13*	
03 21 19 00-0144	LF	#18, Grade 75, Walls, Stainless Steel Reinforcement Bar	73.67	
		For Up To 100, Add	*43.02*	
		For >100 To 200, Add	*21.71*	
		For >200 To 300, Add	*10.85*	

03 22 Fabric and Grid Reinforcing *(03 20)*

03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.88	
		For >5 Ton, Deduct	*-0.13*	
03 22 11 00-0003	SF	6" x 6" x #8, 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.00	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.14	
		For >5 Ton, Deduct	*-0.17*	
03 22 11 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.35	
		For >5 Ton, Deduct	*-0.19*	
03 22 11 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.05	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0007	SF	4" x 4" x #8, 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.18	
		For >5 Ton, Deduct	*-0.17*	
03 22 11 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.50	
		For >5 Ton, Deduct	*-0.21*	
03 22 11 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.74	
		For >5 Ton, Deduct	*-0.24*	
03 22 11 00-0010	SF	2" x 2" x #10, 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	2.24	
		For >5 Ton, Deduct	*-0.28*	
		For Galvanized, Add	*0.56*	
		For Epoxy Coated, Add	*1.13*	
03 22 11 00-0011	SF	2" x 2" x #12, 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	1.62	
		For >5 Ton, Deduct	*-0.21*	
03 22 11 00-0012	SF	2" x 2" x #8, 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	3.01	
		For >5 Ton, Deduct	*-0.36*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.97	
		For >5 Ton, Deduct	*-0.14*	
03 22 13 00-0003	SF	6" x 6" x #8, 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.12	
		For >5 Ton, Deduct	*-0.16*	
03 22 13 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.29	
		For >5 Ton, Deduct	*-0.18*	
03 22 13 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.57	
		For >5 Ton, Deduct	*-0.21*	
03 22 13 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.18	
		For >5 Ton, Deduct	*-0.17*	
03 22 13 00-0007	SF	4" x 4" x #8, 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.35	
		For >5 Ton, Deduct	*-0.19*	
03 22 13 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.77	
		For >5 Ton, Deduct	*-0.23*	
03 22 13 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	2.08	
		For >5 Ton, Deduct	*-0.27*	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	3.43	
		For >5 Ton, Deduct	*-0.53*	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 16 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.96	
		For >5 Ton, Deduct	*-0.14*	
03 22 16 00-0003	SF	6" x 6" x #8, 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.10	
		For >5 Ton, Deduct	*-0.16*	
03 22 16 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.27	
		For >5 Ton, Deduct	*-0.18*	
03 22 16 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.54	
		For >5 Ton, Deduct	*-0.21*	
03 22 16 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.17	
		For >5 Ton, Deduct	*-0.17*	
03 22 16 00-0007	SF	4" x 4" x #8, 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.33	
		For >5 Ton, Deduct	*-0.19*	
03 22 16 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.74	
		For >5 Ton, Deduct	*-0.23*	
03 22 16 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	2.03	
		For >5 Ton, Deduct	*-0.26*	

03 30 Cast-In-Place Concrete *(03)*

03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

03 30 53 00-0001 Place Concrete Duct Bank *(03 30 53)*

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	219.23
		For 2,000 PSI Concrete, Deduct	*-9.86*
		For 2,500 PSI Concrete, Deduct	*-4.93*
		For 3,500 PSI Concrete, Add	*9.13*
		For 3,750 PSI Concrete, Add	*12.41*
		For 4,000 PSI Concrete, Add	*15.70*
		For 4,500 PSI Concrete, Add	*18.26*
		For 5,000 PSI Concrete, Add	*20.81*
		For 6,000 PSI Concrete, Add	*49.29*
		For 7,500 PSI Concrete, Add	*122.40*
		For White Cement Concrete, Add	*21.91*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*
		For Lightweight Aggregate, ASTM C330, Add	*63.89*
		For Up To 20, Add	*14.67*
		For >20 To 50, Add	*5.50*
		For >100 To 200, Deduct	*-4.38*
		For >200 To 400, Deduct	*-8.77*
		For >400, Deduct	*-13.15*

03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill *(03 30 53)*

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	265.37
		For 2,000 PSI Concrete, Deduct	*-9.86*
		For 2,500 PSI Concrete, Deduct	*-4.93*
		For 3,500 PSI Concrete, Add	*9.13*
		For 3,750 PSI Concrete, Add	*12.41*
		For 4,000 PSI Concrete, Add	*15.70*
		For 4,500 PSI Concrete, Add	*18.26*
		For 5,000 PSI Concrete, Add	*20.81*
		For 6,000 PSI Concrete, Add	*49.29*
		For 7,500 PSI Concrete, Add	*122.40*
		For White Cement Concrete, Add	*21.91*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*
		For Lightweight Aggregate, ASTM C330, Add	*63.89*

03 30 53 00-0005 Place Concrete Slurry *(03 30 53)*

03 30 53 00-0006	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY.	203.57
03 30 53 00-0007	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY. Excludes pumping equipment.	196.27

03 30 53 00-0008 Hand Mix And Place Concrete *(03 30 53)*

03 30 53 00-0009	CF	Hand Mix And Place 3,000 PSI Concrete Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.	21.32
		For Up To 25 CF, Add	*2.52*
		For 2,000 PSI Concrete, Deduct	*-0.42*
		For 2,500 PSI Concrete, Deduct	*-0.21*
		For 3,500 PSI Concrete, Add	*0.39*

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0092 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Equipment Pads *(03 31 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0002		**Small Concrete Equipment Housekeeping Pad Assemblies** *(03 31 13 00-0001)* Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0008 for >50 SF concrete pads.		
03 31 13 00-0003	SF	4" Equipment Pad With Welded Wire Reinforcement Assembly	20.67	
		For >5 To 20 Pads, Deduct	*-2.57*	
		For >20 To 50 Pads, Deduct	*-4.72*	
		For >50 Pads, Deduct	*-6.86*	
03 31 13 00-0004	SF	4" Equipment Pad With Rebar Assembly	26.76	
		For >5 To 20 Pads, Deduct	*-2.97*	
		For >20 To 50 Pads, Deduct	*-5.44*	
		For >50 Pads, Deduct	*-7.91*	
03 31 13 00-0005	SF	6" Equipment Pad With Rebar Assembly	33.42	
		For >5 To 20 Pads, Deduct	*-3.73*	
		For >20 To 50 Pads, Deduct	*-6.84*	
		For >50 Pads, Deduct	*-9.94*	
03 31 13 00-0006	SF	8" Equipment Pad With Rebar Assembly	41.72	
		For >5 To 20 Pads, Deduct	*-4.74*	
		For >20 To 50 Pads, Deduct	*-8.69*	
		For >50 Pads, Deduct	*-12.64*	
03 31 13 00-0007		**Concrete Slab Assemblies** *(03 31 13)*		
03 31 13 00-0008		**3,000 PSI Slab On Grade Concrete Slabs Assemblies** *(03 31 13 00-0007)* Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0009	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly	8.62	
		For 2,000 PSI Concrete, Deduct	*-0.24*	
		For 2,500 PSI Concrete, Deduct	*-0.12*	
		For 3,500 PSI Concrete, Add	*0.08*	
		For 4,000 PSI Concrete, Add	*0.28*	
		For 4,500 PSI Concrete, Add	*0.35*	
		For 5,000 PSI Concrete, Add	*0.40*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*3.40*	
		For >500 To 1,000, Add	*2.34*	
		For >1,000 To 2,000, Add	*1.28*	
		For >2,000 To 5,000, Add	*0.64*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000 To 35,000, Deduct	*-0.44*	
		For >35,000 To 50,000, Deduct	*-0.65*	
		For >50,000 To 70,000, Deduct	*-0.87*	
		For >70,000, Deduct	*-1.08*	
03 31 13 00-0010	SF	5" 3,000 PSI Slab On Grade Concrete Slab Assembly	9.41	
		For 2,000 PSI Concrete, Deduct	*-0.27*	
		For 2,500 PSI Concrete, Deduct	*-0.14*	
		For 3,500 PSI Concrete, Add	*0.10*	
		For 4,000 PSI Concrete, Add	*0.32*	
		For 4,500 PSI Concrete, Add	*0.40*	
		For 5,000 PSI Concrete, Add	*0.46*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*3.63*	
		For >500 To 1,000, Add	*2.51*	
		For >1,000 To 2,000, Add	*1.38*	
		For >2,000 To 5,000, Add	*0.69*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000 To 35,000, Deduct	*-0.49*	
		For >35,000 To 50,000, Deduct	*-0.72*	
		For >50,000 To 70,000, Deduct	*-0.96*	
		For >70,000, Deduct	*-1.19*	
03 31 13 00-0011	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly	10.56	
		For 2,000 PSI Concrete, Deduct	*-0.32*	
		For 2,500 PSI Concrete, Deduct	*-0.16*	
		For 3,500 PSI Concrete, Add	*0.11*	
		For 4,000 PSI Concrete, Add	*0.37*	
		For 4,500 PSI Concrete, Add	*0.46*	
		For 5,000 PSI Concrete, Add	*0.54*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*3.98*	
		For >500 To 1,000, Add	*2.75*	
		For >1,000 To 2,000, Add	*1.52*	
		For >2,000 To 5,000, Add	*0.76*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000 To 35,000, Deduct	*-0.56*	
		For >35,000 To 50,000, Deduct	*-0.82*	
		For >50,000 To 70,000, Deduct	*-1.09*	
		For >70,000, Deduct	*-1.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0012	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly	11.64	
		For 2,000 PSI Concrete, Deduct	*-0.37*	
		For 2,500 PSI Concrete, Deduct	*-0.18*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.43*	
		For 4,500 PSI Concrete, Add	*0.53*	
		For 5,000 PSI Concrete, Add	*0.62*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*4.28*	
		For >500 To 1,000, Add	*2.96*	
		For >1,000 To 2,000, Add	*1.65*	
		For >2,000 To 5,000, Add	*0.83*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000 To 35,000, Deduct	*-0.63*	
		For >35,000 To 50,000, Deduct	*-0.92*	
		For >50,000 To 70,000, Deduct	*-1.21*	
		For >70,000, Deduct	*-1.50*	
03 31 13 00-0013	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly	12.56	
		For 2,000 PSI Concrete, Deduct	*-0.40*	
		For 2,500 PSI Concrete, Deduct	*-0.20*	
		For 3,500 PSI Concrete, Add	*0.14*	
		For 4,000 PSI Concrete, Add	*0.47*	
		For 4,500 PSI Concrete, Add	*0.59*	
		For 5,000 PSI Concrete, Add	*0.68*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*4.54*	
		For >500 To 1,000, Add	*3.15*	
		For >1,000 To 2,000, Add	*1.76*	
		For >2,000 To 5,000, Add	*0.88*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000 To 35,000, Deduct	*-0.69*	
		For >35,000 To 50,000, Deduct	*-1.00*	
		For >50,000 To 70,000, Deduct	*-1.32*	
		For >70,000, Deduct	*-1.63*	
03 31 13 00-0014	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly	14.93	
		For 2,000 PSI Concrete, Deduct	*-0.51*	
		For 2,500 PSI Concrete, Deduct	*-0.26*	
		For 3,500 PSI Concrete, Add	*0.18*	
		For 4,000 PSI Concrete, Add	*0.60*	
		For 4,500 PSI Concrete, Add	*0.75*	
		For 5,000 PSI Concrete, Add	*0.86*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*5.17*	
		For >500 To 1,000, Add	*3.60*	
		For >1,000 To 2,000, Add	*2.04*	
		For >2,000 To 5,000, Add	*1.02*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000 To 35,000, Deduct	*-0.85*	
		For >35,000 To 50,000, Deduct	*-1.22*	
		For >50,000 To 70,000, Deduct	*-1.59*	
		For >70,000, Deduct	*-1.97*	
03 31 13 00-0015	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly	16.76	
		For 2,000 PSI Concrete, Deduct	*-0.59*	
		For 2,500 PSI Concrete, Deduct	*-0.29*	
		For 3,500 PSI Concrete, Add	*0.21*	
		For 4,000 PSI Concrete, Add	*0.69*	
		For 4,500 PSI Concrete, Add	*0.86*	
		For 5,000 PSI Concrete, Add	*0.99*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*5.69*	
		For >500 To 1,000, Add	*3.98*	
		For >1,000 To 2,000, Add	*2.26*	
		For >2,000 To 5,000, Add	*1.13*	
		For >10,000 To 20,000, Deduct	*-0.55*	
		For >20,000 To 35,000, Deduct	*-0.96*	
		For >35,000 To 50,000, Deduct	*-1.38*	
		For >50,000 To 70,000, Deduct	*-1.80*	
		For >70,000, Deduct	*-2.22*	

03 31 13 00-0016 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.

03 31 13 00-0017 Place Concrete By Method Indicated *(03 31 13 00-0016)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0018 Place Concrete Pile Caps *(03 31 13 00-0017)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0019	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	319.34	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*54.72*	
		For >20 To 50, Add	*20.52*	
		For >100 To 200, Deduct	*-6.39*	
		For >200 To 400, Deduct	*-12.77*	
		For >400, Deduct	*-19.16*	
03 31 13 00-0020	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	243.44	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*24.36*	
		For >20 To 50, Add	*9.13*	
		For >100 To 200, Deduct	*-4.87*	
		For >200 To 400, Deduct	*-9.74*	
		For >400, Deduct	*-14.61*	
03 31 13 00-0021	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps	255.76	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*23.20*	
		For >20 To 50, Add	*8.70*	
		For >100 To 200, Deduct	*-5.12*	
		For >200 To 400, Deduct	*-10.23*	
		For >400, Deduct	*-15.35*	

03 31 13 00-0022 Place Concrete Continuous Footings *(03 31 13 00-0017)*

03 31 13 00-0023	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	304.14	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*48.64*	
		For >20 To 50, Add	*18.24*	
		For >100 To 200, Deduct	*-6.08*	
		For >200 To 400, Deduct	*-12.17*	
		For >400, Deduct	*-18.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0024	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	236.68	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*21.65*	
		For >20 To 50, Add	*8.12*	
		For >100 To 200, Deduct	*-4.73*	
		For >200 To 400, Deduct	*-9.47*	
		For >400, Deduct	*-14.20*	
03 31 13 00-0025	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings Note: Excludes pumping equipment.	249.31	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*20.62*	
		For >20 To 50, Add	*7.73*	
		For >100 To 200, Deduct	*-4.99*	
		For >200 To 400, Deduct	*-9.97*	
		For >400, Deduct	*-14.96*	

03 31 13 00-0026 Place Concrete Spread Footings *(03 31 13 00-0017)*

03 31 13 00-0027	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	387.74	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*82.08*	
		For >20 To 50, Add	*30.78*	
		For >100 To 200, Deduct	*-7.75*	
		For >200 To 400, Deduct	*-15.51*	
		For >400, Deduct	*-23.26*	
03 31 13 00-0028	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	273.89	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*36.54*	
		For >20 To 50, Add	*13.70*	
		For >100 To 200, Deduct	*-5.48*	
		For >200 To 400, Deduct	*-10.96*	
		For >400, Deduct	*-16.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0029	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	284.76	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*34.80*	
		For >20 To 50, Add	*13.05*	
		For >100 To 200, Deduct	*-5.70*	
		For >200 To 400, Deduct	*-11.39*	
		For >400, Deduct	*-17.09*	

03 31 13 00-0030 Place Concrete Mat Foundation *(03 31 13 00-0017)*

03 31 13 00-0031	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	219.03	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*14.59*	
		For >20 To 50, Add	*5.47*	
		For >100 To 200, Deduct	*-4.38*	
		For >200 To 400, Deduct	*-8.76*	
		For >400, Deduct	*-13.14*	
03 31 13 00-0032	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	198.79	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*6.50*	
		For >20 To 50, Add	*2.44*	
		For >100 To 200, Deduct	*-3.98*	
		For >200 To 400, Deduct	*-7.95*	
		For >400, Deduct	*-11.93*	
03 31 13 00-0033	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation Note: Excludes pumping equipment.	211.30	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*5.42*	
		For >20 To 50, Add	*2.03*	
		For >100 To 200, Deduct	*-4.23*	
		For >200 To 400, Deduct	*-8.45*	
		For >400, Deduct	*-12.68*	

03 31 13 00-0034 Place Concrete Grade Beams *(03 31 13 00-0017)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0035	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	279.82	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*38.91*	
		For >20 To 50, Add	*14.59*	
		For >100 To 200, Deduct	*-5.60*	
		For >200 To 400, Deduct	*-11.19*	
		For >400, Deduct	*-16.79*	
03 31 13 00-0036	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	225.85	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*17.32*	
		For >20 To 50, Add	*6.50*	
		For >100 To 200, Deduct	*-4.52*	
		For >200 To 400, Deduct	*-9.03*	
		For >400, Deduct	*-13.55*	
03 31 13 00-0037	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams Note: Excludes pumping equipment.	239.00	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*16.50*	
		For >20 To 50, Add	*6.19*	
		For >100 To 200, Deduct	*-4.78*	
		For >200 To 400, Deduct	*-9.56*	
		For >400, Deduct	*-14.34*	

03 31 13 00-0038 Place Concrete Slab On Grade *(03 31 13 00-0017)*

03 31 13 00-0039	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	282.11	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*39.82*	
		For >20 To 50, Add	*14.93*	
		For >100 To 200, Deduct	*-5.64*	
		For >200 To 400, Deduct	*-11.28*	
		For >400, Deduct	*-16.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0040	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	258.10	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*30.22*	
		For >20 To 50, Add	*11.33*	
		For >100 To 200, Deduct	*-5.16*	
		For >200 To 400, Deduct	*-10.32*	
		For >400, Deduct	*-15.49*	
03 31 13 00-0041	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	226.87	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*17.73*	
		For >20 To 50, Add	*6.65*	
		For >100 To 200, Deduct	*-4.54*	
		For >200 To 400, Deduct	*-9.07*	
		For >400, Deduct	*-13.61*	
03 31 13 00-0042	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	216.17	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*13.45*	
		For >20 To 50, Add	*5.04*	
		For >100 To 200, Deduct	*-4.32*	
		For >200 To 400, Deduct	*-8.65*	
		For >400, Deduct	*-12.97*	
03 31 13 00-0043	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	234.70	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*14.78*	
		For >20 To 50, Add	*5.54*	
		For >100 To 200, Deduct	*-4.69*	
		For >200 To 400, Deduct	*-9.39*	
		For >400, Deduct	*-14.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0044	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	225.78	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*11.21*	
		For >20 To 50, Add	*4.20*	
		For >100 To 200, Deduct	*-4.52*	
		For >200 To 400, Deduct	*-9.03*	
		For >400, Deduct	*-13.55*	

03 31 13 00-0045 Place Concrete Stairs *(03 31 13 00-0017)*

03 31 13 00-0046	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	630.50	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*179.18*	
		For >20 To 50, Add	*67.19*	
		For >100 To 200, Deduct	*-12.61*	
		For >200 To 400, Deduct	*-25.22*	
		For >400, Deduct	*-37.83*	
03 31 13 00-0047	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	382.00	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*79.78*	
		For >20 To 50, Add	*29.92*	
		For >100 To 200, Deduct	*-7.64*	
		For >200 To 400, Deduct	*-15.28*	
		For >400, Deduct	*-22.92*	
03 31 13 00-0048	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs Note: Excludes pumping equipment.	363.98	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*66.49*	
		For >20 To 50, Add	*24.93*	
		For >100 To 200, Deduct	*-7.28*	
		For >200 To 400, Deduct	*-14.56*	
		For >400, Deduct	*-21.84*	

03 31 13 00-0049 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0016)*

See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0050 Place Elevated Concrete Beams *(03 31 13 00-0049)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0051	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	425.74	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*97.28*	
		For >20 To 50, Add	*36.48*	
		For >100 To 200, Deduct	*-8.51*	
		For >200 To 400, Deduct	*-17.03*	
		For >400, Deduct	*-25.54*	
03 31 13 00-0052	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams Note: Excludes pumping equipment.	300.87	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*41.24*	
		For >20 To 50, Add	*15.47*	
		For >100 To 200, Deduct	*-6.02*	
		For >200 To 400, Deduct	*-12.03*	
		For >400, Deduct	*-18.05*	

03 31 13 00-0053 Place Elevated Concrete Slab *(03 31 13 00-0049)*

03 31 13 00-0054	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	297.04	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*45.80*	
		For >20 To 50, Add	*17.17*	
		For >100 To 200, Deduct	*-5.94*	
		For >200 To 400, Deduct	*-11.88*	
		For >400, Deduct	*-17.82*	
03 31 13 00-0055	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	269.42	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*34.75*	
		For >20 To 50, Add	*13.03*	
		For >100 To 200, Deduct	*-5.39*	
		For >200 To 400, Deduct	*-10.78*	
		For >400, Deduct	*-16.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0056	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	246.30	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*19.42*	
		For >20 To 50, Add	*7.28*	
		For >100 To 200, Deduct	*-4.93*	
		For >200 To 400, Deduct	*-9.85*	
		For >400, Deduct	*-14.78*	
03 31 13 00-0057	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	234.59	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*14.73*	
		For >20 To 50, Add	*5.52*	
		For >100 To 200, Deduct	*-4.69*	
		For >200 To 400, Deduct	*-9.38*	
		For >400, Deduct	*-14.08*	

03 31 13 00-0058 Place Concrete Columns *(03 31 13 00-0049)*

03 31 13 00-0059	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	445.19	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*105.06*	
		For >20 To 50, Add	*39.40*	
		For >100 To 200, Deduct	*-8.90*	
		For >200 To 400, Deduct	*-17.81*	
		For >400, Deduct	*-26.71*	
03 31 13 00-0060	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	373.45	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*76.36*	
		For >20 To 50, Add	*28.64*	
		For >100 To 200, Deduct	*-7.47*	
		For >200 To 400, Deduct	*-14.94*	
		For >400, Deduct	*-22.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0061	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	322.14	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*55.84*	
		For >20 To 50, Add	*20.94*	
		For >100 To 200, Deduct	*-6.44*	
		For >200 To 400, Deduct	*-12.89*	
		For >400, Deduct	*-19.33*	
03 31 13 00-0062	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	299.28	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*46.69*	
		For >20 To 50, Add	*17.51*	
		For >100 To 200, Deduct	*-5.99*	
		For >200 To 400, Deduct	*-11.97*	
		For >400, Deduct	*-17.96*	
03 31 13 00-0063	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	309.12	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*44.54*	
		For >20 To 50, Add	*16.70*	
		For >100 To 200, Deduct	*-6.18*	
		For >200 To 400, Deduct	*-12.36*	
		For >400, Deduct	*-18.55*	
03 31 13 00-0064	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	278.70	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*32.38*	
		For >20 To 50, Add	*12.14*	
		For >100 To 200, Deduct	*-5.57*	
		For >200 To 400, Deduct	*-11.15*	
		For >400, Deduct	*-16.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0065	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	256.94	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*23.67*	
		For >20 To 50, Add	*8.88*	
		For >100 To 200, Deduct	*-5.14*	
		For >200 To 400, Deduct	*-10.28*	
		For >400, Deduct	*-15.42*	
03 31 13 00-0066	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	247.24	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*19.79*	
		For >20 To 50, Add	*7.42*	
		For >100 To 200, Deduct	*-4.94*	
		For >200 To 400, Deduct	*-9.89*	
		For >400, Deduct	*-14.83*	

03 31 13 00-0067 Place Concrete Walls *(03 31 13 00-0049)*

03 31 13 00-0068	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	428.78	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*98.49*	
		For >20 To 50, Add	*36.93*	
		For >100 To 200, Deduct	*-8.58*	
		For >200 To 400, Deduct	*-17.15*	
		For >400, Deduct	*-25.73*	
03 31 13 00-0069	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	408.36	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*90.32*	
		For >20 To 50, Add	*33.87*	
		For >100 To 200, Deduct	*-8.17*	
		For >200 To 400, Deduct	*-16.33*	
		For >400, Deduct	*-24.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0070	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	354.91	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*68.94*	
		For >20 To 50, Add	*25.85*	
		For >100 To 200, Deduct	*-7.10*	
		For >200 To 400, Deduct	*-14.20*	
		For >400, Deduct	*-21.29*	
03 31 13 00-0071	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	292.16	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*43.84*	
		For >20 To 50, Add	*16.44*	
		For >100 To 200, Deduct	*-5.84*	
		For >200 To 400, Deduct	*-11.69*	
		For >400, Deduct	*-17.53*	
03 31 13 00-0072	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	270.24	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*35.08*	
		For >20 To 50, Add	*13.15*	
		For >100 To 200, Deduct	*-5.40*	
		For >200 To 400, Deduct	*-10.81*	
		For >400, Deduct	*-16.21*	
03 31 13 00-0073	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	259.28	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*30.69*	
		For >20 To 50, Add	*11.51*	
		For >100 To 200, Deduct	*-5.19*	
		For >200 To 400, Deduct	*-10.37*	
		For >400, Deduct	*-15.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0074	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	302.15	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*41.76*	
		For >20 To 50, Add	*15.66*	
		For >100 To 200, Deduct	*-6.04*	
		For >200 To 400, Deduct	*-12.09*	
		For >400, Deduct	*-18.13*	
03 31 13 00-0075	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	281.27	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*33.40*	
		For >20 To 50, Add	*12.53*	
		For >100 To 200, Deduct	*-5.63*	
		For >200 To 400, Deduct	*-11.25*	
		For >400, Deduct	*-16.88*	
03 31 13 00-0076	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	270.84	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*29.23*	
		For >20 To 50, Add	*10.96*	
		For >100 To 200, Deduct	*-5.42*	
		For >200 To 400, Deduct	*-10.83*	
		For >400, Deduct	*-16.25*	

03 31 13 00-0077 Place Elevated Concrete Stairs *(03 31 13 00-0049)*

03 31 13 00-0078	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	680.33	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*199.11*	
		For >20 To 50, Add	*74.67*	
		For >100 To 200, Deduct	*-13.61*	
		For >200 To 400, Deduct	*-27.21*	
		For >400, Deduct	*-40.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0079	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	404.15	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*88.64*	
		For >20 To 50, Add	*33.24*	
		For >100 To 200, Deduct	*-8.08*	
		For >200 To 400, Deduct	*-16.17*	
		For >400, Deduct	*-24.25*	
03 31 13 00-0080	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs Note: Excludes pumping equipment.	382.43	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*73.87*	
		For >20 To 50, Add	*27.70*	
		For >100 To 200, Deduct	*-7.65*	
		For >200 To 400, Deduct	*-15.30*	
		For >400, Deduct	*-22.95*	

03 31 13 00-0081 Place Concrete Coping *(03 31 13 00-0049)*

03 31 13 00-0082	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	697.54	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*206.00*	
		For >20 To 50, Add	*77.25*	
		For >100 To 200, Deduct	*-13.95*	
		For >200 To 400, Deduct	*-27.90*	
		For >400, Deduct	*-41.85*	
03 31 13 00-0083	CY	Direct Chute, Place 3,000 PSI Concrete Coping	402.66	
		For 2,000 PSI Concrete, Deduct	*-9.86*	
		For 2,500 PSI Concrete, Deduct	*-4.93*	
		For 3,500 PSI Concrete, Add	*9.13*	
		For 3,750 PSI Concrete, Add	*12.41*	
		For 4,000 PSI Concrete, Add	*15.70*	
		For 4,500 PSI Concrete, Add	*18.26*	
		For 5,000 PSI Concrete, Add	*20.81*	
		For 6,000 PSI Concrete, Add	*49.29*	
		For 7,500 PSI Concrete, Add	*122.40*	
		For White Cement Concrete, Add	*21.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.73*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.26*	
		For Lightweight Aggregate, ASTM C330, Add	*63.89*	
		For Up To 20, Add	*88.04*	
		For >20 To 50, Add	*33.02*	
		For >100 To 200, Deduct	*-8.05*	
		For >200 To 400, Deduct	*-16.11*	
		For >400, Deduct	*-24.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0084	CY	Concrete Pump, Place 3,000 PSI Concrete Coping Note: Excludes pumping equipment.	531.15	
		For 2,000 PSI Concrete, Deduct	*-10.68*	
		For 2,500 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Add	*9.89*	
		For 3,750 PSI Concrete, Add	*13.45*	
		For 4,000 PSI Concrete, Add	*17.01*	
		For 4,500 PSI Concrete, Add	*19.78*	
		For 5,000 PSI Concrete, Add	*22.54*	
		For 6,000 PSI Concrete, Add	*53.40*	
		For 7,500 PSI Concrete, Add	*132.60*	
		For White Cement Concrete, Add	*23.73*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.71*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.78*	
		For Lightweight Aggregate, ASTM C330, Add	*69.22*	
		For Up To 20, Add	*133.36*	
		For >20 To 50, Add	*50.01*	
		For >100 To 200, Deduct	*-10.62*	
		For >200 To 400, Deduct	*-21.25*	
		For >400, Deduct	*-31.87*	

03 31 13 00-0085 Concrete Carts *(03 31 13 00-0016)*

Note: Used to place concrete were necessary.

03 31 13 00-0086	CY	50' Haul, Non-Motorized, Concrete Buggy	25.87	
03 31 13 00-0087	CY	150' Haul, Non-Motorized, Concrete Buggy	34.64	
03 31 13 00-0088	CY	250' Haul, Non-Motorized, Concrete Buggy	46.19	
03 31 13 00-0089	CY	50' Haul, Motorized, Concrete Buggy	11.67	
03 31 13 00-0090	CY	150' Haul, Motorized, Concrete Buggy	15.65	
03 31 13 00-0091	CY	250' Haul, Motorized, Concrete Buggy	20.86	

03 31 13 00-0092 Delivery Fee For Small Concrete Purchases (Short Load) *(03 31 13)*

03 31 13 00-0093	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	27.00	

03 31 13 00-0094 Delivery Fee For Concrete, Per Truck Load *(03 31 13)*

03 31 13 00-0095	EA	Concrete Delivery Fee, Per Truck Note: To be added to all concrete leaving concrete yard	40.00	

03 31 16 Lightweight Structural Concrete *(03 31)*

03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill *(03 31 16)*

03 31 16 00-0002	CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	321.24	

03 35 Concrete Finishing *(03 30)*

03 35 13 High-Tolerance Concrete Floor Finishing *(03 35)*

03 35 13 00-0001 Floor Finishes *(03 35 13)*

Note: Task is for final finish type and includes all required prior finishes.

03 35 13 00-0002	SF	Screed, Concrete Floor Finish	1.13	
		For Up To 100, Add	*2.26*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.28*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.11*	
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	1.35	
		For Up To 100, Add	*2.70*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.34*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.14*	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	1.49	
		For Up To 100, Add	*2.98*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.37*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.15*	
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	1.73	
		For Up To 100, Add	*3.46*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.43*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.17*	
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	1.95	
		For Up To 100, Add	*3.90*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.49*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000, Deduct	*-0.20*	

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 16 00-0001		**Shake On Floor Hardeners** *(03 35 16)*		
03 35 16 00-0002	SF	0.3 Lb./SF, Metallic, Shake On Floor Hardener	1.39	
03 35 16 00-0003	SF	0.65 Lb./SF, Metallic, Shake On Floor Hardener	2.12	
03 35 16 00-0004	SF	0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.32	
03 35 16 00-0005	SF	0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.58	
03 35 19		**Colored Concrete Finishing** *(03 35)*		
03 35 19 00-0001		Concrete Surface Treatments *(03 35 19)*		
03 35 19 00-0002	SF	Acrylic Latex Bonding Agent	0.57	
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent	3.38	
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.40	
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.42	
03 35 23		**Exposed Aggregate Concrete Finishing** *(03 35)*		
03 35 23 00-0001		Exposed Aggregate, Concrete Finish *(03 35 23)*		
03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	4.19	
03 35 26		**Grooved Concrete Surface Finishing** *(03 35)*		
03 35 26 00-0001		Ramp, Grooved Concrete Surface Finishing *(03 35 26)*		
03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	4.81	
03 35 29		**Tooled Concrete Finishing** *(03 35)*		
03 35 29 00-0001		Solid Board Concrete Finish *(03 35 29)*		
03 35 29 00-0002	SF	Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	19.02	
03 35 29 00-0003		Marblecrete Finishes *(03 35 29)*		
03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	44.26	
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	59.36	
03 35 33		**Stamped Concrete Finishing** *(03 35)*		
03 35 33 00-0001		Stamped Concrete Finishes *(03 35 33)*		
03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	4.51	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	4.09	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	3.91	
03 35 43		**Polished Concrete Finishing** *(03 35)*		
03 35 43 00-0001		Concrete Floor Polishing System *(03 35 43)*		
		Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	2.13	
		For Up To 500, Add	*4.04*	
		For >500 To 1,000, Add	*3.74*	
		For >1,000 To 2,500, Add	*2.48*	
		For >2,500 To 4,000, Add	*1.29*	
		For >8,000 To 15,000, Deduct	*-0.50*	
		For >15,000 To 25,000, Deduct	*-0.63*	
		For >25,000, Deduct	*-0.89*	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.71	
		For Up To 500, Add	*3.22*	
		For >500 To 1,000, Add	*2.99*	
		For >1,000 To 2,500, Add	*1.98*	
		For >2,500 To 4,000, Add	*1.03*	
		For >8,000 To 15,000, Deduct	*-0.40*	
		For >15,000 To 25,000, Deduct	*-0.51*	
		For >25,000, Deduct	*-0.71*	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.43	
		For Up To 500, Add	*2.68*	
		For >500 To 1,000, Add	*2.48*	
		For >1,000 To 2,500, Add	*1.64*	
		For >2,500 To 4,000, Add	*0.86*	
		For >8,000 To 15,000, Deduct	*-0.33*	
		For >15,000 To 25,000, Deduct	*-0.42*	
		For >25,000, Deduct	*-0.59*	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.33	
		For Up To 500, Add	*2.48*	
		For >500 To 1,000, Add	*2.30*	
		For >1,000 To 2,500, Add	*1.52*	
		For >2,500 To 4,000, Add	*0.79*	
		For >8,000 To 15,000, Deduct	*-0.31*	
		For >15,000 To 25,000, Deduct	*-0.39*	
		For >25,000, Deduct	*-0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.23	
		For Up To 500, Add	*2.29*	
		For >500 To 1,000, Add	*2.12*	
		For >1,000 To 2,500, Add	*1.40*	
		For >2,500 To 4,000, Add	*0.73*	
		For >8,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.23	
		For Up To 500, Add	*2.29*	
		For >500 To 1,000, Add	*2.12*	
		For >1,000 To 2,500, Add	*1.40*	
		For >2,500 To 4,000, Add	*0.73*	
		For >8,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.23	
		For Up To 500, Add	*2.29*	
		For >500 To 1,000, Add	*2.12*	
		For >1,000 To 2,500, Add	*1.40*	
		For >2,500 To 4,000, Add	*0.73*	
		For >8,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.23	
		For Up To 500, Add	*2.29*	
		For >500 To 1,000, Add	*2.12*	
		For >1,000 To 2,500, Add	*1.40*	
		For >2,500 To 4,000, Add	*0.73*	
		For >8,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.31	
		For Up To 500, Add	*0.50*	
		For >500 To 1,000, Add	*0.47*	
		For >1,000 To 2,500, Add	*0.31*	
		For >2,500 To 4,000, Add	*0.16*	
		For >8,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 25,000, Deduct	*-0.08*	
		For >25,000, Deduct	*-0.11*	
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.62	
		For Up To 500, Add	*0.62*	
		For >500 To 1,000, Add	*0.58*	
		For >1,000 To 2,500, Add	*0.38*	
		For >2,500 To 4,000, Add	*0.20*	
		For >8,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 25,000, Deduct	*-0.10*	
		For >25,000, Deduct	*-0.14*	
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	1.08	
		For Up To 500, Add	*0.91*	
		For >500 To 1,000, Add	*0.85*	
		For >1,000 To 2,500, Add	*0.56*	
		For >2,500 To 4,000, Add	*0.29*	
		For >8,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 25,000, Deduct	*-0.14*	
		For >25,000, Deduct	*-0.20*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up	0.16	
		For Up To 500, Add	*0.31*	
		For >500 To 1,000, Add	*0.29*	
		For >1,000 To 2,500, Add	*0.19*	
		For >2,500 To 4,000, Add	*0.10*	
		For >8,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 25,000, Deduct	*-0.05*	
		For >25,000, Deduct	*-0.07*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	1.73	
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.11*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.58	
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.11*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	1.10	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.05*	

03 35 83 Concrete Wall Finishing *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	2.00	
		For Up To 100, Add	*3.78*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.47*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.19*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	2.98	
		For Up To 100, Add	*5.64*	
		For >100 To 250, Add	*1.41*	
		For >250 To 500, Add	*0.71*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000, Deduct	*-0.28*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.20	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.06*	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	6.03	
		For Up To 100, Add	*11.96*	
		For >100 To 250, Add	*2.99*	
		For >250 To 500, Add	*1.50*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000, Deduct	*-0.60*	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	9.35	
		For Up To 100, Add	*18.48*	
		For >100 To 250, Add	*4.62*	
		For >250 To 500, Add	*2.31*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000, Deduct	*-0.92*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	1.14	
		For Up To 100, Add	*2.02*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	3.89	
		For Up To 100, Add	*7.52*	
		For >100 To 250, Add	*1.88*	
		For >250 To 500, Add	*0.94*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000, Deduct	*-0.38*	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	5.94	
		For Up To 100, Add	*11.62*	
		For >100 To 250, Add	*2.91*	
		For >250 To 500, Add	*1.45*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000, Deduct	*-0.58*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 4.5 Lb. of sand or abrasive media material per SF	5.91	
		For Up To 100, Add	*9.52*	
		For >100 To 250, Add	*2.38*	
		For >250 To 500, Add	*1.19*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000, Deduct	*-0.48*	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 9 Lb. of sand abrasive media material per SF	11.81	
		For Up To 100, Add	*19.04*	
		For >100 To 250, Add	*4.76*	
		For >250 To 500, Add	*2.38*	
		For >5,000 To 10,000, Deduct	*-0.48*	
		For >10,000, Deduct	*-0.95*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	3.70	
		For Up To 25, Add	*0.70*	
		For >25 To 50, Add	*0.41*	
		For >50 To 150, Add	*0.17*	
		For High Strength Shotcrete Repair, Add	*1.18*	
		For Polymer Modified Shotcrete, Add	*0.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0003	SF	1-1/2" Thick Shotcrete, Fiber Reinforced	5.10	
		For Up To 25, Add	*0.94*	
		For >25 To 50, Add	*0.54*	
		For >50 To 150, Add	*0.22*	
		For High Strength Shotcrete Repair, Add	*1.59*	
		For Polymer Modified Shotcrete, Add	*1.24*	
03 37 13 00-0004	SF	2" Thick Shotcrete, Fiber Reinforced	6.94	
		For Up To 25, Add	*1.29*	
		For >25 To 50, Add	*0.74*	
		For >50 To 150, Add	*0.30*	
		For High Strength Shotcrete Repair, Add	*2.18*	
		For Polymer Modified Shotcrete, Add	*1.69*	
03 37 13 00-0005	SF	2-1/2" Thick Shotcrete, Fiber Reinforced	8.14	
		For Up To 25, Add	*1.48*	
		For >25 To 50, Add	*0.85*	
		For >50 To 150, Add	*0.33*	
		For High Strength Shotcrete Repair, Add	*2.51*	
		For Polymer Modified Shotcrete, Add	*2.00*	
03 37 13 00-0006	SF	3" Thick Shotcrete, Fiber Reinforced	9.82	
		For Up To 25, Add	*1.79*	
		For >25 To 50, Add	*1.03*	
		For >50 To 150, Add	*0.40*	
		For High Strength Shotcrete Repair, Add	*3.04*	
		For Polymer Modified Shotcrete, Add	*2.41*	
03 37 13 00-0007	SF	4" Thick Shotcrete, Fiber Reinforced	12.37	
		For Up To 25, Add	*2.20*	
		For >25 To 50, Add	*1.26*	
		For >50 To 150, Add	*0.48*	
		For High Strength Shotcrete Repair, Add	*3.76*	
		For Polymer Modified Shotcrete, Add	*3.07*	
03 37 13 00-0008	SF	6" Thick Shotcrete, Fiber Reinforced	16.73	
		For Up To 25, Add	*2.84*	
		For >25 To 50, Add	*1.62*	
		For >50 To 150, Add	*0.59*	
		For High Strength Shotcrete Repair, Add	*4.91*	
		For Polymer Modified Shotcrete, Add	*4.24*	

03 37 13 00-0009 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0010	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.06	
		For Radius Or Irregular Surface, Add	*1.22*	
		For Up To 25, Add	*0.86*	
		For >25 To 50, Add	*0.51*	
		For >50 To 150, Add	*0.23*	
03 37 13 00-0011	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.48	
		For Radius Or Irregular Surface, Add	*2.18*	
		For Up To 25, Add	*1.57*	
		For >25 To 50, Add	*0.92*	
		For >50 To 150, Add	*0.41*	
03 37 13 00-0012	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.40	
		For Radius Or Irregular Surface, Add	*2.95*	
		For Up To 25, Add	*2.15*	
		For >25 To 50, Add	*1.26*	
		For >50 To 150, Add	*0.55*	
03 37 13 00-0013	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.89	
		For Radius Or Irregular Surface, Add	*3.54*	
		For Up To 25, Add	*2.62*	
		For >25 To 50, Add	*1.53*	
		For >50 To 150, Add	*0.66*	
03 37 13 00-0014	SF	5" Thick Gunite (Dry Mix Shotcrete), Sprayed	15.01	
		For Radius Or Irregular Surface, Add	*3.98*	
		For Up To 25, Add	*2.99*	
		For >25 To 50, Add	*1.75*	
		For >50 To 150, Add	*0.75*	
03 37 13 00-0015	SF	6" Thick Gunite (Dry Mix Shotcrete), Sprayed	16.82	
		For Radius Or Irregular Surface, Add	*4.30*	
		For Up To 25, Add	*3.29*	
		For >25 To 50, Add	*1.92*	
		For >50 To 150, Add	*0.81*	
03 37 13 00-0016	SF	8" Thick Gunite (Dry Mix Shotcrete), Sprayed	20.98	
		For Radius Or Irregular Surface, Add	*5.16*	
		For Up To 25, Add	*4.03*	
		For >25 To 50, Add	*2.34*	
		For >50 To 150, Add	*0.97*	
03 37 13 00-0017	SF	10" Thick Gunite (Dry Mix Shotcrete), Sprayed	24.62	
		For Radius Or Irregular Surface, Add	*5.80*	
		For Up To 25, Add	*4.64*	
		For >25 To 50, Add	*2.68*	
		For >50 To 150, Add	*1.09*	
03 37 13 00-0018	SF	12" Thick Gunite (Dry Mix Shotcrete), Sprayed	27.80	
		For Radius Or Irregular Surface, Add	*6.26*	
		For Up To 25, Add	*5.13*	
		For >25 To 50, Add	*2.96*	
		For >50 To 150, Add	*1.17*	

03 37 16 Pumped Concrete *(03 37)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 16 00-0001		Concrete Pumping With Boom Truck *(03 37 16)* Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0016 for concrete placement.		
03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	249.87	
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	269.35	
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	339.70	
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	383.50	
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	428.70	
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	524.42	
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	581.53	
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	719.86	
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	166.95	

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001		Water Concrete Curing *(03 39 13)*		
03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	0.37	

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001		Warm Weather Concrete Curing Blankets *(03 39 23 23)*		
03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	35.34	
03 39 23 23-0003		Cold Weather Concrete Curing Blankets *(03 39 23 23)*		
03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	183.53	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	39.34	

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001		Flat Floor Slab/Floor Plank *(03 41 16)*		
03 41 16 00-0002		Erection Costs For Using A 90 Ton Crawler Crane *(03 41 16 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	378.74	303.02
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	421.03	336.77
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	447.07	357.64
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	473.95	379.18
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	507.20	405.74
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	542.07	433.66
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	582.09	465.64
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	633.08	506.43
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	688.35	550.74
03 41 16 00-0012		Material Cost *(03 41 16 00-0001)* Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.		
03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	34.65	
		For 3,500 PSI Concrete, Add	*0.69*	
		For 4,000 PSI Concrete, Add	*1.04*	
		For 4,500 PSI Concrete, Add	*1.39*	
		For 5,000 PSI Concrete, Add	*2.08*	
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	41.58	
		For 3,500 PSI Concrete, Add	*0.83*	
		For 4,000 PSI Concrete, Add	*1.25*	
		For 4,500 PSI Concrete, Add	*1.66*	
		For 5,000 PSI Concrete, Add	*2.49*	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	50.82	
		For 3,500 PSI Concrete, Add	*1.02*	
		For 4,000 PSI Concrete, Add	*1.52*	
		For 4,500 PSI Concrete, Add	*2.03*	
		For 5,000 PSI Concrete, Add	*3.05*	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	67.45	
		For 3,500 PSI Concrete, Add	*1.35*	
		For 4,000 PSI Concrete, Add	*2.02*	
		For 4,500 PSI Concrete, Add	*2.70*	
		For 5,000 PSI Concrete, Add	*4.05*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0017		Floor Units, Combination Beam And Slab *(03 41 16)*		
03 41 16 00-0018		Erection Costs For Using 90 Ton Crawler Crane *(03 41 16 00-0017)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	465.48	372.37
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	507.35	405.93
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	560.76	448.55
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	622.66	498.09
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	699.93	559.89
03 41 16 00-0024		Erection Costs Using A 125 Ton Crawler Crane *(03 41 16 00-0017)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	585.79	468.67
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	638.48	510.75
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	705.69	564.60
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	783.60	626.90
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	880.83	704.74
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	957.72	766.13
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	1,058.54	846.83
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	1,171.58	937.33
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	1,326.07	1,060.87
03 41 16 00-0034		Material Cost *(03 41 16 00-0017)*		
		Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035		4" Slab *(03 41 16 00-0034)*		
03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,649.76	
		For 3,500 PSI Concrete, Add	*73.00*	
		For 4,000 PSI Concrete, Add	*109.49*	
		For 4,500 PSI Concrete, Add	*145.99*	
		For 5,000 PSI Concrete, Add	*218.99*	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,695.96	
		For 3,500 PSI Concrete, Add	*73.92*	
		For 4,000 PSI Concrete, Add	*110.88*	
		For 4,500 PSI Concrete, Add	*147.84*	
		For 5,000 PSI Concrete, Add	*221.76*	
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,157.96	
		For 3,500 PSI Concrete, Add	*83.16*	
		For 4,000 PSI Concrete, Add	*124.74*	
		For 4,500 PSI Concrete, Add	*166.32*	
		For 5,000 PSI Concrete, Add	*249.48*	
03 41 16 00-0039		5" Slab *(03 41 16 00-0034)*		
03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,742.16	
		For 3,500 PSI Concrete, Add	*74.84*	
		For 4,000 PSI Concrete, Add	*112.26*	
		For 4,500 PSI Concrete, Add	*149.69*	
		For 5,000 PSI Concrete, Add	*224.53*	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,880.76	
		For 3,500 PSI Concrete, Add	*77.62*	
		For 4,000 PSI Concrete, Add	*116.42*	
		For 4,500 PSI Concrete, Add	*155.23*	
		For 5,000 PSI Concrete, Add	*232.85*	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,943.35	
		For 3,500 PSI Concrete, Add	*98.87*	
		For 4,000 PSI Concrete, Add	*148.30*	
		For 4,500 PSI Concrete, Add	*197.73*	
		For 5,000 PSI Concrete, Add	*296.60*	
03 41 16 00-0043		6" Slab *(03 41 16 00-0034)*		
03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,880.76	
		For 3,500 PSI Concrete, Add	*77.62*	
		For 4,000 PSI Concrete, Add	*116.42*	
		For 4,500 PSI Concrete, Add	*155.23*	
		For 5,000 PSI Concrete, Add	*232.85*	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,619.96	
		For 3,500 PSI Concrete, Add	*92.40*	
		For 4,000 PSI Concrete, Add	*138.60*	
		For 4,500 PSI Concrete, Add	*184.80*	
		For 5,000 PSI Concrete, Add	*277.20*	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,636.35	
		For 3,500 PSI Concrete, Add	*112.73*	
		For 4,000 PSI Concrete, Add	*169.09*	
		For 4,500 PSI Concrete, Add	*225.45*	
		For 5,000 PSI Concrete, Add	*338.18*	

03 41 19 Precast Concrete Wall Panels *(03 41)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0001		**Structural Wall Panels** *(03 41 19)* Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002		**Erection Cost Using 50 Ton Hydraulic Crane** *(03 41 19 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	374.02	299.24
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	415.78	332.57
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	468.04	374.45
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	500.87	400.68
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	535.31	428.25
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	574.83	459.83
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	625.19	500.11
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	679.76	543.87
03 41 19 00-0011		**Erection Cost Using 90 Ton Crawler Crane** *(03 41 19 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	418.73	334.94
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	465.48	372.37
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	523.98	419.25
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	560.76	448.55
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	599.31	479.45
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	643.55	514.87
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	699.93	559.89
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	761.02	608.76
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	841.14	672.96
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	930.97	744.74
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,053.73	843.02
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,198.62	958.89
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	1,389.70	1,111.78
03 41 19 00-0025		**Material Cost** *(03 41 19 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	46.20	
		For 3,500 PSI Concrete, Add	*0.92*	
		For 4,000 PSI Concrete, Add	*1.39*	
		For 4,500 PSI Concrete, Add	*1.85*	
		For 5,000 PSI Concrete, Add	*2.77*	
		For White Facing, Add	*9.24*	
		For Solid White Through Thickness, Add	*9.24*	
		For Broken Rib Finish, Add	*4.62*	
		For Fluted Surface, Add	*4.62*	
		For Exposed Aggregate, Add	*9.24*	
		For Sandblasting Of Surface, Add	*4.62*	
		For 2" Polystyrene Insulation, Add	*2.19*	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	56.82	
		For 3,500 PSI Concrete, Add	*1.14*	
		For 4,000 PSI Concrete, Add	*1.70*	
		For 4,500 PSI Concrete, Add	*2.27*	
		For 5,000 PSI Concrete, Add	*3.41*	
		For White Facing, Add	*11.36*	
		For Solid White Through Thickness, Add	*11.36*	
		For Broken Rib Finish, Add	*5.68*	
		For Fluted Surface, Add	*5.68*	
		For Exposed Aggregate, Add	*11.36*	
		For Sandblasting Of Surface, Add	*5.68*	
		For 2" Polystyrene Insulation, Add	*2.19*	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	68.38	
		For 3,500 PSI Concrete, Add	*1.37*	
		For 4,000 PSI Concrete, Add	*2.05*	
		For 4,500 PSI Concrete, Add	*2.74*	
		For 5,000 PSI Concrete, Add	*4.10*	
		For White Facing, Add	*13.68*	
		For Solid White Through Thickness, Add	*13.68*	
		For Broken Rib Finish, Add	*6.84*	
		For Fluted Surface, Add	*6.84*	
		For Exposed Aggregate, Add	*13.68*	
		For Sandblasting Of Surface, Add	*6.84*	
		For 2" Polystyrene Insulation, Add	*2.19*	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	90.09	
		For 3,500 PSI Concrete, Add	*1.80*	
		For 4,000 PSI Concrete, Add	*2.70*	
		For 4,500 PSI Concrete, Add	*3.60*	
		For 5,000 PSI Concrete, Add	*5.41*	
		For White Facing, Add	*18.02*	
		For Solid White Through Thickness, Add	*18.02*	
		For Broken Rib Finish, Add	*9.01*	
		For Fluted Surface, Add	*9.01*	
		For Exposed Aggregate, Add	*18.02*	
		For Sandblasting Of Surface, Add	*9.01*	
		For 2" Polystyrene Insulation, Add	*2.19*	
03 41 19 00-0030		**Partition Panels** *(03 41 19)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0031		**Erection Costs Using 20 Ton Hydraulic Crane** *(03 41 19 00-0030)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	298.74	238.95
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	332.10	265.71
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	373.84	299.05
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	427.58	342.07
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	459.14	367.34
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	499.36	399.48
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	542.95	434.42
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	600.11	480.11
03 41 19 00-0040		**Erection Costs Using 50 Ton Hydraulic Crane** *(03 41 19 00-0030)* Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	374.02	299.24
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	415.78	332.57
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	468.04	374.45
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	535.31	428.25
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	574.83	459.83
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	625.19	500.11
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	679.76	543.87
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	751.32	601.03
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	831.55	665.25
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	941.21	752.92
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	1,070.63	856.50
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	1,241.30	993.01
03 41 19 00-0053		**Material Cost** *(03 41 19 00-0030)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	43.89	
		For 4,000 PSI Concrete, Add	*1.32*	
		For 4,500 PSI Concrete, Add	*1.76*	
		For 5,000 PSI Concrete, Add	*2.63*	
		For White Facing, Add	*8.78*	
		For Solid White Through Thickness, Add	*8.78*	
		For Broken Rib Finish, Add	*4.39*	
		For Fluted Surface, Add	*4.39*	
		For Exposed Aggregate, Add	*8.78*	
		For Sandblasting Of Surface, Add	*4.39*	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	54.05	
		For 4,000 PSI Concrete, Add	*1.62*	
		For 4,500 PSI Concrete, Add	*2.16*	
		For 5,000 PSI Concrete, Add	*3.24*	
		For White Facing, Add	*10.81*	
		For Solid White Through Thickness, Add	*10.81*	
		For Broken Rib Finish, Add	*5.41*	
		For Fluted Surface, Add	*5.41*	
		For Exposed Aggregate, Add	*10.81*	
		For Sandblasting Of Surface, Add	*5.41*	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	64.68	
		For 4,000 PSI Concrete, Add	*1.94*	
		For 4,500 PSI Concrete, Add	*2.59*	
		For 5,000 PSI Concrete, Add	*3.88*	
		For White Facing, Add	*12.94*	
		For Solid White Through Thickness, Add	*12.94*	
		For Broken Rib Finish, Add	*6.47*	
		For Fluted Surface, Add	*6.47*	
		For Exposed Aggregate, Add	*12.94*	
		For Sandblasting Of Surface, Add	*6.47*	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	85.47	
		For 4,000 PSI Concrete, Add	*2.56*	
		For 4,500 PSI Concrete, Add	*3.42*	
		For 5,000 PSI Concrete, Add	*5.13*	
		For White Facing, Add	*17.09*	
		For Solid White Through Thickness, Add	*17.09*	
		For Broken Rib Finish, Add	*8.55*	
		For Fluted Surface, Add	*8.55*	
		For Exposed Aggregate, Add	*17.09*	
		For Sandblasting Of Surface, Add	*8.55*	
03 41 19 00-0058		**Cladding Panels** *(03 41 19)*		
03 41 19 00-0059		**Erection Costs Using 50 Ton Hydraulic Crane** *(03 41 19 00-0058)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	394.70	315.70
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	441.49	353.18
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	500.87	400.68
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	535.31	428.25
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	574.83	459.83
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	625.19	500.11
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	679.76	543.87
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	751.32	601.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0068		**Erection Costs Using 90 Ton Crawler Crane** *(03 41 19 00-0058)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	441.88	353.46
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	494.28	395.41
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	560.76	448.55
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	599.31	479.45
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	643.55	514.87
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	699.93	559.89
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	761.02	608.76
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	841.14	672.96
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	930.97	744.74
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	1,053.73	843.02
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,198.62	958.89
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,389.70	1,111.78
03 41 19 00-0081		**Material Cost** *(03 41 19 00-0058)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	43.89	
		For 3,500 PSI Concrete, Add	*0.88*	
		For 4,000 PSI Concrete, Add	*1.32*	
		For 4,500 PSI Concrete, Add	*1.76*	
		For 5,000 PSI Concrete, Add	*2.63*	
		For White Facing, Add	*8.78*	
		For Solid White Through Thickness, Add	*8.78*	
		For Broken Rib Finish, Add	*4.39*	
		For Fluted Surface, Add	*4.39*	
		For Exposed Aggregate, Add	*8.78*	
		For Sandblasting Of Surface, Add	*4.39*	
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	54.05	
		For 3,500 PSI Concrete, Add	*1.08*	
		For 4,000 PSI Concrete, Add	*1.62*	
		For 4,500 PSI Concrete, Add	*2.16*	
		For 5,000 PSI Concrete, Add	*3.24*	
		For White Facing, Add	*10.81*	
		For Solid White Through Thickness, Add	*10.81*	
		For Broken Rib Finish, Add	*5.41*	
		For Fluted Surface, Add	*5.41*	
		For Exposed Aggregate, Add	*10.81*	
		For Sandblasting Of Surface, Add	*5.41*	
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	64.68	
		For 3,500 PSI Concrete, Add	*1.29*	
		For 4,000 PSI Concrete, Add	*1.94*	
		For 4,500 PSI Concrete, Add	*2.59*	
		For 5,000 PSI Concrete, Add	*3.88*	
		For White Facing, Add	*12.94*	
		For Solid White Through Thickness, Add	*12.94*	
		For Broken Rib Finish, Add	*6.47*	
		For Fluted Surface, Add	*6.47*	
		For Exposed Aggregate, Add	*12.94*	
		For Sandblasting Of Surface, Add	*6.47*	
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	85.47	
		For 3,500 PSI Concrete, Add	*1.71*	
		For 4,000 PSI Concrete, Add	*2.56*	
		For 4,500 PSI Concrete, Add	*3.42*	
		For 5,000 PSI Concrete, Add	*5.13*	
		For White Facing, Add	*17.09*	
		For Solid White Through Thickness, Add	*17.09*	
		For Broken Rib Finish, Add	*8.55*	
		For Fluted Surface, Add	*8.55*	
		For Exposed Aggregate, Add	*17.09*	
		For Sandblasting Of Surface, Add	*8.55*	
03 41 19 00-0086		**Sandwich Panel** *(03 41 19)*		
03 41 19 00-0087		**Erection Costs Using 50 Ton Hydraulic Crane** *(03 41 19 00-0086)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	394.70	315.70
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	441.49	353.18
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	500.87	400.68
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	535.31	428.25
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	574.83	459.83
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	625.19	500.11
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	679.76	543.87
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	751.32	601.03
03 41 19 00-0096		**Erection Costs Using 90 Ton Crawler Crane** *(03 41 19 00-0086)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	399.69	319.69
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	447.07	357.64
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	507.20	405.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	542.07	433.66
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	582.09	465.64
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	633.08	506.43
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	688.35	550.74
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	760.81	608.62
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	842.05	673.66
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	953.10	762.43
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,084.15	867.32
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,256.98	1,005.55

03 41 19 00-0109 Material Cost *(03 41 19 00-0086)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	60.06
		For 3,500 PSI Concrete, Add	*1.20*
		For 4,000 PSI Concrete, Add	*1.80*
		For 4,500 PSI Concrete, Add	*2.40*
		For 5,000 PSI Concrete, Add	*3.60*
		For White Facing, Add	*12.01*
		For Solid White Through Thickness, Add	*12.01*
		For Broken Rib Finish, Add	*6.01*
		For Fluted Surface, Add	*6.01*
		For Exposed Aggregate, Add	*12.01*
		For Sandblasting Of Surface, Add	*6.01*
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	70.69
		For 3,500 PSI Concrete, Add	*1.41*
		For 4,000 PSI Concrete, Add	*2.12*
		For 4,500 PSI Concrete, Add	*2.83*
		For 5,000 PSI Concrete, Add	*4.24*
		For White Facing, Add	*14.14*
		For Solid White Through Thickness, Add	*14.14*
		For Broken Rib Finish, Add	*7.07*
		For Fluted Surface, Add	*7.07*
		For Exposed Aggregate, Add	*14.14*
		For Sandblasting Of Surface, Add	*7.07*
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	82.24
		For 3,500 PSI Concrete, Add	*1.64*
		For 4,000 PSI Concrete, Add	*2.47*
		For 4,500 PSI Concrete, Add	*3.29*
		For 5,000 PSI Concrete, Add	*4.93*
		For White Facing, Add	*16.45*
		For Solid White Through Thickness, Add	*16.45*
		For Broken Rib Finish, Add	*8.22*
		For Fluted Surface, Add	*8.22*
		For Exposed Aggregate, Add	*16.45*
		For Sandblasting Of Surface, Add	*8.22*
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	103.95
		For 3,500 PSI Concrete, Add	*2.08*
		For 4,000 PSI Concrete, Add	*3.12*
		For 4,500 PSI Concrete, Add	*4.16*
		For 5,000 PSI Concrete, Add	*6.24*
		For White Facing, Add	*20.79*
		For Solid White Through Thickness, Add	*20.79*
		For Broken Rib Finish, Add	*10.40*
		For Fluted Surface, Add	*10.40*
		For Exposed Aggregate, Add	*20.79*
		For Sandblasting Of Surface, Add	*10.40*

03 41 23 Precast Concrete Stairs *(03 41)*

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	415.78	332.57
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	441.49	353.18
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	468.04	374.45
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	500.87	400.68
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	535.31	428.25
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	574.83	459.83
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	625.19	500.11
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	679.76	543.87

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	415.78	332.57
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	441.49	353.18
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	468.04	374.45
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	500.87	400.68
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	535.31	428.25
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	574.83	459.83
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	625.19	500.11
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	679.76	543.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 23 00-0019		**Material Cost** *(03 41 23)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.		
03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	925.89	
		For 3,500 PSI Concrete, Add	*120.83*	
		For 4,000 PSI Concrete, Add	*227.03*	
		For 4,500 PSI Concrete, Add	*333.69*	
		For 5,000 PSI Concrete, Add	*453.96*	
03 41 26		**Precast Concrete Structural Sections** *(03 41)*		
03 41 26 00-0001		**Precast Beams, Girder And Joists** *(03 41 26)*		
03 41 26 00-0002		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	523.98	419.25
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	560.76	448.55
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	599.31	479.45
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	643.55	514.87
03 41 26 00-0007		**Erection Costs Using A 125 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	659.42	527.49
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	705.69	564.60
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	754.21	603.37
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	809.89	647.87
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	880.83	704.74
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	957.72	766.13
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,058.54	846.83
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,171.58	937.33
03 41 26 00-0016		**Material Cost** *(03 41 26 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017		**1,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0018	LF	Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	185.15	
		For 3,500 PSI Concrete, Add	*5.05*	
		For 4,000 PSI Concrete, Add	*7.59*	
		For 4,500 PSI Concrete, Add	*10.11*	
		For 5,000 PSI Concrete, Add	*15.18*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	231.44	
		For 3,500 PSI Concrete, Add	*6.32*	
		For 4,000 PSI Concrete, Add	*9.49*	
		For 4,500 PSI Concrete, Add	*12.64*	
		For 5,000 PSI Concrete, Add	*18.98*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	277.73	
		For 3,500 PSI Concrete, Add	*7.58*	
		For 4,000 PSI Concrete, Add	*11.39*	
		For 4,500 PSI Concrete, Add	*15.16*	
		For 5,000 PSI Concrete, Add	*22.77*	
03 41 26 00-0021		**3,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0022	LF	Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	231.44	
		For 3,500 PSI Concrete, Add	*6.32*	
		For 4,000 PSI Concrete, Add	*9.49*	
		For 4,500 PSI Concrete, Add	*12.64*	
		For 5,000 PSI Concrete, Add	*18.98*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	277.73	
		For 3,500 PSI Concrete, Add	*7.58*	
		For 4,000 PSI Concrete, Add	*11.39*	
		For 4,500 PSI Concrete, Add	*15.16*	
		For 5,000 PSI Concrete, Add	*22.77*	
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	370.30	
		For 3,500 PSI Concrete, Add	*10.11*	
		For 4,000 PSI Concrete, Add	*15.18*	
		For 4,500 PSI Concrete, Add	*20.22*	
		For 5,000 PSI Concrete, Add	*30.36*	
03 41 26 00-0025		**5,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0026	LF	Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	324.01	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 4,000 PSI Concrete, Add	*13.28*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*26.57*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	370.30	
		For 3,500 PSI Concrete, Add	*10.11*	
		For 4,000 PSI Concrete, Add	*15.18*	
		For 4,500 PSI Concrete, Add	*20.22*	
		For 5,000 PSI Concrete, Add	*30.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	462.87	
		For 3,500 PSI Concrete, Add	*12.64*	
		For 4,000 PSI Concrete, Add	*18.98*	
		For 4,500 PSI Concrete, Add	*25.27*	
		For 5,000 PSI Concrete, Add	*37.96*	

03 41 26 00-0029 Precast Concrete Columns *(03 41 26)*

03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0029)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	303.26	242.57
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	322.43	257.89
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	345.54	276.46
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	370.65	296.51
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	399.69	319.69
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	433.66	346.93
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	473.95	379.18

03 41 26 00-0038 Material Cost *(03 41 26 00-0029)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.

03 41 26 00-0039 12" x 12" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY	958.30
		For 3,500 PSI Concrete, Add	*71.87*
		For 4,000 PSI Concrete, Add	*135.12*
		For 4,500 PSI Concrete, Add	*199.33*
		For 5,000 PSI Concrete, Add	*271.20*

03 41 26 00-0041 16" x 16" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY	981.97
		For 3,500 PSI Concrete, Add	*73.65*
		For 4,000 PSI Concrete, Add	*138.46*
		For 4,500 PSI Concrete, Add	*204.25*
		For 5,000 PSI Concrete, Add	*277.90*

03 41 26 00-0043 20" x 20" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY	983.86
		For 3,500 PSI Concrete, Add	*73.79*
		For 4,000 PSI Concrete, Add	*138.72*
		For 4,500 PSI Concrete, Add	*204.64*
		For 5,000 PSI Concrete, Add	*278.43*

03 41 26 00-0045 24" x 24" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY	983.86
		For 3,500 PSI Concrete, Add	*73.79*
		For 4,000 PSI Concrete, Add	*138.72*
		For 4,500 PSI Concrete, Add	*204.64*
		For 5,000 PSI Concrete, Add	*278.43*

03 41 26 00-0047 28" x 28" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY	983.86
		For 3,500 PSI Concrete, Add	*73.79*
		For 4,000 PSI Concrete, Add	*138.72*
		For 4,500 PSI Concrete, Add	*204.64*
		For 5,000 PSI Concrete, Add	*278.43*

03 41 26 00-0049 32" x 32" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY	981.97
		For 3,500 PSI Concrete, Add	*73.65*
		For 4,000 PSI Concrete, Add	*138.46*
		For 4,500 PSI Concrete, Add	*204.25*
		For 5,000 PSI Concrete, Add	*277.90*

03 41 26 00-0051 36" x 36" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY	983.86
		For 3,500 PSI Concrete, Add	*73.79*
		For 4,000 PSI Concrete, Add	*138.72*
		For 4,500 PSI Concrete, Add	*204.64*
		For 5,000 PSI Concrete, Add	*278.43*

03 41 33 Precast Structural Pretensioned Concrete *(03 41)*

03 41 33 00-0001 Slabs, Roof And Floor Members *(03 41 33)*

03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	19.50	2.48
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	24.31	2.48
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	29.14	2.60
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	33.98	2.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0006		Tee Members *(03 41 33)*		
03 41 33 00-0007		Multiple Tee, Roof And Floor *(03 41 33 00-0006)*		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	43.88	3.23
03 41 33 00-0009		Double Tee Wall Member *(03 41 33 00-0006)*		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	61.96	8.82
03 41 33 00-0011		Single Tee, Short Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	51.53	5.34
03 41 33 00-0013		Single Tee, Long Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	61.89	4.60
03 41 33 00-0015		Prestressed Concrete Items *(03 41 33)*		
03 41 33 00-0016		Prestressed Quad Tee *(03 41 33 00-0015)*		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	31.81	1.00
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	33.20	1.00
03 41 33 00-0019		Prestressed Double Tee *(03 41 33 00-0015)*		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	52.91	0.87
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	72.88	0.87
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	36.08	1.49
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	55.94	1.00
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	39.08	1.98
03 41 33 00-0025		Prestressed Single Tee *(03 41 33 00-0015)*		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	62.57	2.23
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	72.53	1.37
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	95.97	1.25
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	101.06	1.25
03 41 33 00-0030		Prestressed Double Tee Floor Members *(03 41 33 00-0015)*		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	16,187.04	357.65
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	17,625.49	397.38
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	29,492.47	447.05
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,332.11	325.23
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	8,317.07	357.65
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	10,631.77	357.65
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	11,838.75	397.38
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	15,141.35	447.05
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	27,257.90	511.13
03 41 33 00-0040		Prestressed Double Tee Roof Members *(03 41 33 00-0015)*		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	12,715.00	357.65
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	16,699.61	397.38
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	27,409.24	447.05
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	8,507.92	325.23
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	8,965.19	357.65
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	9,937.36	357.65
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	10,218.46	397.38
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	13,521.06	447.05
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	23,322.92	511.13
03 41 33 00-0050		Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab *(03 41 33)*		
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	33.62	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	35.00	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	36.62	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	37.81	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	40.39	
03 41 33 00-0056		Double And Single Tees *(03 41 33)*		
03 41 33 00-0057		Double And Single Tees With 16" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	40.61	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	39.65	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	37.45	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	40.61	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.49	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	62.28	
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	60.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	57.03	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	62.28	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	58.40	
03 41 33 00-0068		Double And Single Tees With 24" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	41.86	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	40.90	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	39.53	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	41.86	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.49	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	63.94	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	62.57	
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	60.37	
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	63.94	
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	62.16	
03 41 33 00-0079		Double And Single Tees With 32" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	44.11	
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	42.73	
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	41.35	
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	67.86	
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	65.65	
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	63.02	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001 Precast Concrete Splash Blocks *(03 48 16)*

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3"	42.82	4.15

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001 Installation Cost *(03 48 21)*

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	170.34	76.69
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	204.29	91.90

03 48 21 00-0004 Material Cost *(03 48 21)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,657.34
		For 3,500 PSI Concrete, Add	*238.64*
		For 4,000 PSI Concrete, Add	*448.39*
		For 4,500 PSI Concrete, Add	*659.05*
		For 5,000 PSI Concrete, Add	*896.60*
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,796.23
		For 3,500 PSI Concrete, Add	*247.70*
		For 4,000 PSI Concrete, Add	*465.42*
		For 4,500 PSI Concrete, Add	*684.08*
		For 5,000 PSI Concrete, Add	*930.65*
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,935.12
		For 3,500 PSI Concrete, Add	*256.77*
		For 4,000 PSI Concrete, Add	*482.45*
		For 4,500 PSI Concrete, Add	*709.11*
		For 5,000 PSI Concrete, Add	*964.69*
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,120.30
		For 3,500 PSI Concrete, Add	*268.85*
		For 4,000 PSI Concrete, Add	*505.15*
		For 4,500 PSI Concrete, Add	*742.48*
		For 5,000 PSI Concrete, Add	*1,010.09*

03 48 22 Precast Concrete Sun Screen and Trellis *(03 48)*

03 48 22 00-0001 Sun Screen Blades *(03 48 22)*

03 48 22 00-0002 Installation Cost *(03 48 22 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	85.17	38.35
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	102.33	46.01
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	127.85	57.57

03 48 22 00-0006 Material Cost *(03 48 22 00-0001)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,888.82	
		For 3,500 PSI Concrete, Add	*253.75*	
		For 4,000 PSI Concrete, Add	*476.77*	
		For 4,500 PSI Concrete, Add	*700.77*	
		For 5,000 PSI Concrete, Add	*953.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,027.71	
		For 3,500 PSI Concrete, Add	*262.81*	
		For 4,000 PSI Concrete, Add	*493.80*	
		For 4,500 PSI Concrete, Add	*725.79*	
		For 5,000 PSI Concrete, Add	*987.39*	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,212.89	
		For 3,500 PSI Concrete, Add	*274.89*	
		For 4,000 PSI Concrete, Add	*516.50*	
		For 4,500 PSI Concrete, Add	*759.16*	
		For 5,000 PSI Concrete, Add	*1,032.79*	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,398.07	
		For 3,500 PSI Concrete, Add	*286.97*	
		For 4,000 PSI Concrete, Add	*539.20*	
		For 4,500 PSI Concrete, Add	*792.53*	
		For 5,000 PSI Concrete, Add	*1,078.19*	

03 48 22 00-0011 Sun Screen/Trellis Units *(03 48 22)*

03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane *(03 48 22 00-0011)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.

03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	394.70	177.59
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	441.49	198.73
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	500.87	225.36
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	535.31	240.89

03 48 22 00-0017 Material Cost *(03 48 22 00-0011)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,490.66	
		For 3,500 PSI Concrete, Add	*293.02*	
		For 4,000 PSI Concrete, Add	*550.55*	
		For 4,500 PSI Concrete, Add	*809.22*	
		For 5,000 PSI Concrete, Add	*1,100.89*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,629.55	
		For 3,500 PSI Concrete, Add	*302.08*	
		For 4,000 PSI Concrete, Add	*567.58*	
		For 4,500 PSI Concrete, Add	*834.24*	
		For 5,000 PSI Concrete, Add	*1,134.93*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,814.73	
		For 3,500 PSI Concrete, Add	*314.16*	
		For 4,000 PSI Concrete, Add	*590.29*	
		For 4,500 PSI Concrete, Add	*867.61*	
		For 5,000 PSI Concrete, Add	*1,180.33*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	5,046.21	
		For 3,500 PSI Concrete, Add	*329.27*	
		For 4,000 PSI Concrete, Add	*618.67*	
		For 4,500 PSI Concrete, Add	*909.33*	
		For 5,000 PSI Concrete, Add	*1,237.08*	

03 48 24 Precast Minaret Segments *(03 48)*

03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane *(03 48 24)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.

03 48 24 00-0002 L - Shaped Segments *(03 48 24 00-0001)*

03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	384.08	307.26
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	430.40	344.33
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	486.65	389.31
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	519.09	415.26

03 48 24 00-0007 O - Shaped Segments *(03 48 24 00-0001)*

03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	405.93	324.81
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	455.58	364.42
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	515.96	412.72
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	552.58	442.03

03 48 24 00-0012 Platform Segment *(03 48 24 00-0001)*

03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	778.63	622.97
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	941.21	752.92
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	1,044.52	835.63
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,173.28	938.67

03 48 24 00-0017 Cap Segment *(03 48 24 00-0001)*

03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	426.12	340.86
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	475.83	380.61
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	542.09	433.60
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	578.72	462.91

03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane *(03 48 24)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0023		**L - Shaped Segments** *(03 48 24 00-0022)*		
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	388.93	311.15
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	435.84	348.68
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	492.80	394.23
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	525.65	420.51
03 48 24 00-0028		**O - Shaped Segment** *(03 48 24 00-0022)*		
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	411.05	328.91
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	461.34	369.02
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	522.48	417.94
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane	559.56	447.62
03 48 24 00-0033		**Platform Segment** *(03 48 24 00-0022)*		
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	628.49	502.78
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	760.81	608.62
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	842.05	673.66
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	953.10	762.43
03 48 24 00-0038		**Cap Segment** *(03 48 24 00-0022)*		
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	431.50	345.16
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	481.84	385.42
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	548.94	439.08
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	586.03	468.76
03 48 24 00-0043		**Material Costs** *(03 48 24)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete	11,110.30	
		Note: Including Post Tension Cost		
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete	11,110.30	
		Note: Including Post Tension Cost		
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete	11,110.30	
		Note: Including Post Tension Cost		
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete	11,110.30	
		Note: Including Post Tension Cost		
03 48 29		**Precast Accessories** *(03 48)*		
		Note: Includes installation labor, material and equipment.		
03 48 29 00-0001		**Bearing Pads For Precast Members** *(03 48 29)*		
03 48 29 00-0002		**Continuous 2" Wide Strips** *(03 48 29 00-0001)*		
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.48	
		Note: For precast members		
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	2.10	
		Note: For precast members.		
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	3.47	
		Note: For precast members		
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	4.88	
		Note: For precast members		
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips	6.33	
		Note: For precast members		
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips	9.09	
		Note: For precast members		
03 48 29 00-0009		**Bearing Pad Pipe Supports** *(03 48 29)*		
03 48 29 00-0010	LF	4" x 4" Precast Pipe Support	13.96	
03 48 46		**Precast Skylight Shells** *(03 48)*		
03 48 46 00-0001		**Installation Cost Using A 90 Ton Crawler Crane** *(03 48 46)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	560.76	252.38
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	622.66	280.21
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	699.93	314.97
03 48 46 00-0005		**Material Cost** *(03 48 46)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,648.20	
03 48 49		**Precast Landings** *(03 48)*		
03 48 49 00-0001	SF	3" Thick Precast Landing	114.22	
03 48 49 00-0002	SF	4" Thick Precast Landing	133.28	
03 48 49 00-0003	SF	5" Thick Precast Landing	151.29	
03 48 49 00-0004	SF	6" Thick Precast Landing	174.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 48 54 Precast Concrete Blocks *(03 48)*

03 48 54 00-0001 Precast Interlocking Concrete Blocks *(03 48 54)*
Note: Includes lifting loop

03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	163.06	45.78
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	194.17	51.50
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	225.29	57.23
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	304.32	62.96
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	366.19	68.67

03 50 Cast Decks and Underlayment *(03)*

03 51 Cast Roof Decks *(03 50)*

03 51 13 Cementitious Wood Fiber Decks *(03 51)*

03 51 13 00-0001 Cement Fiber Tongue And Groove Planks *(03 51 13)*

03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.27	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.43	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.64	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.23	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.89	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.64	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	7.55	

03 51 16 Gypsum Concrete Roof Decks *(03 51)*

03 51 16 00-0001 Class A Gypsum Fill Concrete Deck *(03 51 16)*

03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	12.79	0.62
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	15.86	0.73
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	18.94	0.83
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	22.05	0.93
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	25.18	1.03

03 51 16 00-0007 Form Board For Lightweight Deck *(03 51 16)*

03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.60	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.46	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	7.16	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.88	0.69
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.50	0.69
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	3.88	0.69
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	4.81	0.69

03 51 16 00-0015 Gypsum Plank *(03 51 16)*

03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	4.35	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	5.72	

03 53 Concrete Topping *(03 50)*

Note: Installed over new or existing concrete.

03 53 14 Granolithic Concrete Topping *(03 53)*

03 53 14 00-0001 Granolithic Topping Laid After *(03 53 14)*
Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.74	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	5.11	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	6.42	

03 53 19 Concrete Overlayment *(03 53)*

03 53 19 00-0001 Integral Topping Including Hard Trowel Finish *(03 53 19)*
Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.81	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.15	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.68	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.37	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	6.20	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.29	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.92	

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors *(03 54 16)*
Note: Includes primer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	2.08	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	3.62	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	5.16	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	6.70	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	8.24	
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	9.83	
		For Up To 100 SF, Add	*0.18*	
		For >100 To 250 SF, Add	*0.09*	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	12.91	
		For Up To 100 SF, Add	*0.18*	
		For >100 To 250 SF, Add	*0.09*	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	16.04	
		For Up To 100 SF, Add	*0.21*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	19.13	
		For Up To 100 SF, Add	*0.21*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	22.32	
		For Up To 100 SF, Add	*0.26*	
		For >100 To 250 SF, Add	*0.13*	

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001 Cementitious Flowable Grout *(03 61 16)*

03 61 16 00-0002	CY	Cementitious Flowable Grout	499.14

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	29.80
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	44.35

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	44.23
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	70.64

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*

03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.29
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.99
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.95

03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.37
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.47
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.95

03 62 16 Metallic Non-Shrink Grouting *(03 62)*

03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases *(03 62 16)*

03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	37.64
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	57.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints *(03 62 16)*		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.88	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.37	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.15	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.57	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.23	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.31	

03 63 Epoxy Grouting *(03 60)*

03 63 00 00-0001		Spray On Concrete Epoxy Grout *(03 63)*		
		Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout	4.33	
		For Color, Add	*1.14*	
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout	5.98	
		For Color, Add	*1.70*	
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout	7.67	
		For Color, Add	*2.27*	
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout	9.20	
		For Color, Add	*2.84*	
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout	10.73	
		For Color, Add	*3.41*	
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout	13.90	
		For Color, Add	*4.55*	

03 64 Injection Grouting *(03 60)*

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting *(03 64)*

03 64 23 00-0001		Pressure Injected Epoxy Grout *(03 64 23)*		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,377.57	
		For >4, Deduct	*-145.67*	

03 64 26 Cementitious Injection Grouting *(03 64)*

03 64 26 00-0001		Pressure Injected Cementitious Grout *(03 64 26)*		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	241.49	
		For >4, Deduct	*-62.50*	

03 80 Concrete Cutting and Boring *(03)*

03 81 Concrete Cutting *(03 80)*

03 81 13 Flat Concrete Sawing *(03 81)*

See CSI section 02 41 19 13-0001 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing *(03 81)*

See CSI section 02 41 19 13-0001 for saw cutting.

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0024 for core drilling.

END OF SECTION 03

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance of Masonry *(04)*

04 01 20 Maintenance of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	23.39	
		For Up To 10, Add	*11.37*	
		For >10 To 50, Add	*5.69*	
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	32.83	
		For Up To 10, Add	*11.37*	
		For >10 To 50, Add	*5.69*	
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	43.09	
		For Up To 10, Add	*11.37*	
		For >10 To 50, Add	*5.69*	

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	25.44	
		For Up To 10, Add	*11.37*	
		For >10 To 50, Add	*5.69*	
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	36.47	
		For Up To 10, Add	*11.37*	
		For >10 To 50, Add	*5.69*	
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	48.54	
		For Up To 10, Add	*11.37*	
		For >10 To 50, Add	*5.69*	

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	65.23	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	70.59	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	195.07	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	65.23	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	70.59	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	76.70	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	88.16	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	195.07	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	

04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	68.15	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	74.49	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	219.41	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	68.15	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	74.49	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	81.56	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	94.98	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	219.41	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	

04 01 20 41-0030 Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.

04 01 20 41-0031 304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*

04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.00	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.96	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.92	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.88	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.85	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.81	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.00	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.96	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.92	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.88	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.85	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.77	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.00	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.92	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	15.36	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	

04 01 20 41-0047 316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*

04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.00	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.96	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.92	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.88	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.85	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.81	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.00	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.96	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.92	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.88	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.85	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.77	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.00	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.92	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	15.36	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	

04 01 20 41-0063 Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.

04 01 20 41-0064 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.74	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.08	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.15	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.29	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.54	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.76	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.86	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.00	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.61	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.70	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.44	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.06	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.60	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.49	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.17	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.40	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.85	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.23	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.56	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.86	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.05	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.19	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.41	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.51	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.94	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.56	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.08	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.73	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.27	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.26	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.33	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.66	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.88	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.03	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.13	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.44	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.93	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.11	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.60	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.24	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.66	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.96	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.15	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.28	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.60	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	5.14	
		For Up To 10, Add	*3.41*	
		For >10 To 50, Add	*1.71*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.28	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.72	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.80	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.98	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.29	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.55	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.69	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.86	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.50	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.61	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.53	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.31	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.99	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.34	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.25	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.04	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.51	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.93	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.35	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.73	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.97	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.13	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.41	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.53	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.04	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.73	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.38	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.20	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.62	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.74	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	25.58	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.54	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.78	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.95	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.09	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.47	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.09	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.29	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.89	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.16	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.69	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.06	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.30	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.47	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.86	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
		For Metal Stud Clip, Add	*2.63*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	5.57	
		For Up To 10, Add	*3.41*	
		For >10 To 50, Add	*1.71*	

04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.

04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)

(04 01 20 41-0158)

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.40	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.44	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	

04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)

(04 01 20 41-0158)

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.69	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.76	
		For Up To 10, Add	*6.82*	
		For >10 To 50, Add	*3.41*	
04 01 20 41-0165		Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166		304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	54.51	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0168		316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	55.86	
		For Up To 10, Add	*45.49*	
		For >10 To 50, Add	*22.75*	
04 01 20 41-0170		Unit Masonry Stabilization *(04 01 20 41)*		
04 01 20 41-0171		Repair Bulging Or Loose Masonry *(04 01 20 41-0170)*		
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry	90.81	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry	97.43	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51		**Unit Masonry Maintenance** *(04 01 20)*		
04 01 20 51-0001		Repair Masonry *(04 01 20 51)*		
		Note: Includes mortar for repair.		
04 01 20 51-0002	SF	Patch And Repair Terra Cotta Walls Or Coping	21.52	
		Note: Including Replacement Of Damaged Material		
04 01 20 51-0003	SF	Patch And Repair Terra Cotta Floors	20.03	
		Note: Including Replacement Of Damaged Material		
04 01 20 51-0004	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4"	5.21	
04 01 20 51-0005	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	8.63	
04 01 20 51-0006	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	36.14	
		For Cracks Accessible From Both Sides, Add	*7.34*	
04 01 20 51-0007	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	31.85	
		For Cracks Accessible From Both Sides, Add	*7.34*	
04 01 20 51-0008	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	8.54	
		For V-Grooving Crack With Grinder, Add	*6.09*	
04 01 20 51-0009	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	11.54	
		For V-Grooving Crack With Grinder, Add	*5.78*	
04 01 20 51-0010		Grind Unit Masonry *(04 01 20 51)*		
04 01 20 51-0011	SF	Grind Smooth Masonry Wall	4.27	
04 01 20 52		**Unit Masonry Cleaning** *(04 01 20)*		
		See CSI section 09 01 90 52-0002 for cleaning of unit masonry surfaces.		
04 01 20 91		**Unit Masonry Restoration** *(04 01 20)*		
04 01 20 91-0001		Cut And Repoint Masonry *(04 01 20 91)*		
		Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		
04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick	11.32	
		For Common Bond, Add	*0.43*	
		For Flemish Bond, Add	*1.49*	
		For English Bond, Add	*2.45*	
		For Oversized Or Larger Than Standard, Deduct	*-1.70*	
		For >250 To 1,000, Deduct	*-0.53*	
		For >1,000, Deduct	*-1.10*	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick	7.90	
		For Common Bond, Add	*0.29*	
		For Flemish Bond, Add	*1.01*	
		For English Bond, Add	*1.66*	
		For Oversized Or Larger Than Standard, Deduct	*-1.19*	
		For >250 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block	5.89	
		For Common Bond, Add	*0.21*	
		For Oversized Or Larger Than Standard, Deduct	*-0.88*	
		For >250 To 1,000, Deduct	*-0.26*	
		For >1,000, Deduct	*-0.56*	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block	4.23	
		For Common Bond, Add	*0.14*	
		For Oversized Or Larger Than Standard, Deduct	*-0.63*	
		For >250 To 1,000, Deduct	*-0.18*	
		For >1,000, Deduct	*-0.39*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	3.48	

04 01 50 Maintenance of Refractory Masonry *(04 01)*

04 01 50 52 Refractory Masonry Cleaning *(04 01 50)*

04 01 50 52-0001 Chimney Cleaning *(04 01 50 52)*

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	7.40	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	14.78	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	22.18	

04 05 Common Work Results for Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar *(04 05 13 26)*

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	8.01	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	7.39	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	7.58	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	8.30	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix	8.75	

04 05 13 26-0007 Mortar Admixture *(04 05 13 26)*

04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar	0.45	
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.08	

04 05 13 26-0010 Color Admixtures For Mortar *(04 05 13 26)*

Note: Costs are based on CF of mortar.

04 05 13 26-0011	CF	Buff Colored Admixture	2.85	
04 05 13 26-0012	CF	Brown Colored Admixture	3.23	
04 05 13 26-0013	CF	Black Colored Admixture	4.00	
04 05 13 26-0014	CF	Red Colored Admixture	8.75	

04 05 13 26-0015 Portland Cement *(04 05 13 26)*

04 05 13 26-0016	CF	Normal Portland Cement (Type I)	15.16	
04 05 13 26-0017	CF	Modified Portland Cement (Type II)	7.56	
04 05 13 26-0018	CF	High Early Strength Portland Cement (Type III)	8.03	
04 05 13 26-0019	CF	White Non-Staining Portland Cement (Type I)	16.80	

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Excludes reinforcement.

04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	4.92	
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	5.36	
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	5.97	
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	6.68	

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF)	3.84	
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF)	5.57	
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF)	7.95	
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF)	9.76	
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF)	11.53	

04 05 16 26-0012 Grout Cavity Walls, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF)	4.51	
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF)	6.35	
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF)	7.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF)	10.82	

04 05 16 26-0017 Grout Frames, Grout Fill *(04 05 16 26)*

04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	7.13	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	6.10	

04 05 16 26-0020 Sand Filled Walls *(04 05 16 26)*

04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)*
Note: Per SF of face area filled.

04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF)	3.66	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF)	5.05	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF)	6.20	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)	8.23	

04 05 19 Masonry Anchorage and Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001 Continuous Joint Reinforcing *(04 05 19 13)*

04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	64.65	
		For Hot-Dipped Galvanized, Add		*10.06*
		For Stainless Steel, Add		*40.24*
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	68.72	
		For Hot-Dipped Galvanized, Add		*10.57*
		For Stainless Steel, Add		*42.28*
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	74.19	
		For Hot-Dipped Galvanized, Add		*11.14*
		For Stainless Steel, Add		*44.56*
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.68	
		For Hot-Dipped Galvanized, Add		*11.79*
		For Stainless Steel, Add		*47.16*
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.28	
		For Hot-Dipped Galvanized, Add		*12.42*
		For Stainless Steel, Add		*49.68*
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.97	
		For Hot-Dipped Galvanized, Add		*12.73*
		For Stainless Steel, Add		*50.92*
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.09	
		For Hot-Dipped Galvanized, Add		*13.08*
		For Stainless Steel, Add		*52.32*
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.46	
		For Hot-Dipped Galvanized, Add		*17.98*
		For Stainless Steel, Add		*71.92*
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.66	
		For Hot-Dipped Galvanized, Add		*27.80*
		For Stainless Steel, Add		*111.18*

04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	75.82	
		For Hot-Dipped Galvanized, Add		*15.64*
		For Stainless Steel, Add		*62.56*
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.00	
		For Hot-Dipped Galvanized, Add		*16.21*
		For Stainless Steel, Add		*64.84*
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.59	
		For Hot-Dipped Galvanized, Add		*16.84*
		For Stainless Steel, Add		*67.36*
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.95	
		For Hot-Dipped Galvanized, Add		*17.43*
		For Stainless Steel, Add		*69.70*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	99.53	
		For Hot-Dipped Galvanized, Add	*18.05*	
		For Stainless Steel, Add	*72.18*	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.27	
		For Hot-Dipped Galvanized, Add	*18.39*	
		For Stainless Steel, Add	*73.54*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.33	
		For Hot-Dipped Galvanized, Add	*18.69*	
		For Stainless Steel, Add	*74.76*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.30	
		For Hot-Dipped Galvanized, Add	*25.40*	
		For Stainless Steel, Add	*101.60*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	162.11	
		For Hot-Dipped Galvanized, Add	*40.53*	
		For Stainless Steel, Add	*162.10*	

04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	86.64	
		For Hot-Dipped Galvanized, Add	*21.05*	
		For Stainless Steel, Add	*84.20*	
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	92.38	
		For Hot-Dipped Galvanized, Add	*22.21*	
		For Stainless Steel, Add	*88.82*	
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.11	
		For Hot-Dipped Galvanized, Add	*23.36*	
		For Stainless Steel, Add	*93.44*	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.59	
		For Hot-Dipped Galvanized, Add	*24.75*	
		For Stainless Steel, Add	*98.98*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.05	
		For Hot-Dipped Galvanized, Add	*26.12*	
		For Stainless Steel, Add	*104.48*	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.23	
		For Hot-Dipped Galvanized, Add	*26.86*	
		For Stainless Steel, Add	*107.42*	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.35	
		For Hot-Dipped Galvanized, Add	*27.49*	
		For Stainless Steel, Add	*109.96*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	134.02	
		For Hot-Dipped Galvanized, Add	*28.76*	
		For Stainless Steel, Add	*115.02*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	176.61	
		For Hot-Dipped Galvanized, Add	*47.77*	
		For Stainless Steel, Add	*191.06*	

04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	90.36	
		For Hot-Dipped Galvanized, Add	*22.91*	
		For Stainless Steel, Add	*91.64*	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.39	
		For Hot-Dipped Galvanized, Add	*23.41*	
		For Stainless Steel, Add	*93.62*	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	99.86	
		For Hot-Dipped Galvanized, Add	*23.98*	
		For Stainless Steel, Add	*95.92*	
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.35	
		For Hot-Dipped Galvanized, Add	*24.63*	
		For Stainless Steel, Add	*98.50*	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	113.96	
		For Hot-Dipped Galvanized, Add	*25.26*	
		For Stainless Steel, Add	*101.02*	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.65	
		For Hot-Dipped Galvanized, Add	*25.57*	
		For Stainless Steel, Add	*102.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.76	
		For Hot-Dipped Galvanized, Add	*25.92*	
		For Stainless Steel, Add	*103.66*	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	138.15	
		For Hot-Dipped Galvanized, Add	*30.82*	
		For Stainless Steel, Add	*123.28*	

04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.51	
		For Hot-Dipped Galvanized, Add	*28.49*	
		For Stainless Steel, Add	*113.94*	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.69	
		For Hot-Dipped Galvanized, Add	*29.06*	
		For Stainless Steel, Add	*116.22*	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.28	
		For Hot-Dipped Galvanized, Add	*29.69*	
		For Stainless Steel, Add	*118.76*	
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.65	
		For Hot-Dipped Galvanized, Add	*30.28*	
		For Stainless Steel, Add	*121.10*	
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.23	
		For Hot-Dipped Galvanized, Add	*30.89*	
		For Stainless Steel, Add	*123.56*	
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.96	
		For Hot-Dipped Galvanized, Add	*31.23*	
		For Stainless Steel, Add	*124.92*	
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.01	
		For Hot-Dipped Galvanized, Add	*31.54*	
		For Stainless Steel, Add	*126.14*	
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.99	
		For Hot-Dipped Galvanized, Add	*38.25*	
		For Stainless Steel, Add	*152.98*	
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	187.81	
		For Hot-Dipped Galvanized, Add	*53.38*	
		For Stainless Steel, Add	*213.50*	

04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.31	
		For Hot-Dipped Galvanized, Add	*33.89*	
		For Stainless Steel, Add	*135.54*	
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.06	
		For Hot-Dipped Galvanized, Add	*35.05*	
		For Stainless Steel, Add	*140.18*	
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.80	
		For Hot-Dipped Galvanized, Add	*36.21*	
		For Stainless Steel, Add	*144.82*	
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.27	
		For Hot-Dipped Galvanized, Add	*37.59*	
		For Stainless Steel, Add	*150.34*	
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	140.73	
		For Hot-Dipped Galvanized, Add	*38.96*	
		For Stainless Steel, Add	*155.84*	
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	147.91	
		For Hot-Dipped Galvanized, Add	*39.70*	
		For Stainless Steel, Add	*158.78*	
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.02	
		For Hot-Dipped Galvanized, Add	*40.33*	
		For Stainless Steel, Add	*161.30*	
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	159.69	
		For Hot-Dipped Galvanized, Add	*41.59*	
		For Stainless Steel, Add	*166.36*	
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	202.30	
		For Hot-Dipped Galvanized, Add	*60.61*	
		For Stainless Steel, Add	*242.44*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.04	
		For Hot-Dipped Galvanized, Add	*35.75*	
		For Stainless Steel, Add	*143.00*	
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	120.07	
		For Hot-Dipped Galvanized, Add	*36.25*	
		For Stainless Steel, Add	*144.98*	
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.54	
		For Hot-Dipped Galvanized, Add	*36.82*	
		For Stainless Steel, Add	*147.28*	
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.03	
		For Hot-Dipped Galvanized, Add	*37.47*	
		For Stainless Steel, Add	*149.86*	
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.64	
		For Hot-Dipped Galvanized, Add	*38.10*	
		For Stainless Steel, Add	*152.38*	
04 05 19 13-0069	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	145.33	
		For Hot-Dipped Galvanized, Add	*38.41*	
		For Stainless Steel, Add	*153.62*	
04 05 19 13-0070	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.44	
		For Hot-Dipped Galvanized, Add	*38.76*	
		For Stainless Steel, Add	*155.02*	
04 05 19 13-0071	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.83	
		For Hot-Dipped Galvanized, Add	*43.66*	
		For Stainless Steel, Add	*174.64*	
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	188.02	
		For Hot-Dipped Galvanized, Add	*53.48*	
		For Stainless Steel, Add	*213.90*	

04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.19	
		For Hot-Dipped Galvanized, Add	*41.33*	
		For Stainless Steel, Add	*165.30*	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	131.37	
		For Hot-Dipped Galvanized, Add	*41.90*	
		For Stainless Steel, Add	*167.58*	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.96	
		For Hot-Dipped Galvanized, Add	*42.53*	
		For Stainless Steel, Add	*170.12*	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	143.33	
		For Hot-Dipped Galvanized, Add	*43.12*	
		For Stainless Steel, Add	*172.46*	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.91	
		For Hot-Dipped Galvanized, Add	*43.73*	
		For Stainless Steel, Add	*174.92*	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	156.64	
		For Hot-Dipped Galvanized, Add	*44.07*	
		For Stainless Steel, Add	*176.28*	
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	160.69	
		For Hot-Dipped Galvanized, Add	*44.38*	
		For Stainless Steel, Add	*177.50*	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	178.67	
		For Hot-Dipped Galvanized, Add	*51.09*	
		For Stainless Steel, Add	*204.34*	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	213.49	
		For Hot-Dipped Galvanized, Add	*66.22*	
		For Stainless Steel, Add	*264.86*	

04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.99	
		For Hot-Dipped Galvanized, Add	*46.73*	
		For Stainless Steel, Add	*186.90*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0085		CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	143.74	
			For Hot-Dipped Galvanized, Add	*47.89*	
			For Stainless Steel, Add	*191.54*	
04 05 19 13-0086		CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.48	
			For Hot-Dipped Galvanized, Add	*49.05*	
			For Stainless Steel, Add	*196.18*	
04 05 19 13-0087		CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.95	
			For Hot-Dipped Galvanized, Add	*50.43*	
			For Stainless Steel, Add	*201.70*	
04 05 19 13-0088		CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	166.42	
			For Hot-Dipped Galvanized, Add	*51.81*	
			For Stainless Steel, Add	*207.22*	
04 05 19 13-0089		CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	173.59	
			For Hot-Dipped Galvanized, Add	*52.54*	
			For Stainless Steel, Add	*210.14*	
04 05 19 13-0090		CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	177.71	
			For Hot-Dipped Galvanized, Add	*53.17*	
			For Stainless Steel, Add	*212.68*	
04 05 19 13-0091		CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	185.37	
			For Hot-Dipped Galvanized, Add	*54.43*	
			For Stainless Steel, Add	*217.72*	
04 05 19 13-0092		CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	227.98	
			For Hot-Dipped Galvanized, Add	*73.45*	
			For Stainless Steel, Add	*293.80*	

04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0095		CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	92.03	
			For Hot-Dipped Galvanized, Add	*17.11*	
			For Stainless Steel, Add	*68.42*	
04 05 19 13-0096		CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	101.58	
			For Hot-Dipped Galvanized, Add	*18.68*	
			For Stainless Steel, Add	*74.70*	
04 05 19 13-0097		CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	110.78	
			For Hot-Dipped Galvanized, Add	*20.06*	
			For Stainless Steel, Add	*80.24*	
04 05 19 13-0098		CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	118.81	
			For Hot-Dipped Galvanized, Add	*20.87*	
			For Stainless Steel, Add	*83.46*	
04 05 19 13-0099		CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	123.51	
			For Hot-Dipped Galvanized, Add	*21.61*	
			For Stainless Steel, Add	*86.42*	
04 05 19 13-0100		CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	132.58	
			For Hot-Dipped Galvanized, Add	*23.25*	
			For Stainless Steel, Add	*93.00*	
04 05 19 13-0101		CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	140.43	
			For Hot-Dipped Galvanized, Add	*24.61*	
			For Stainless Steel, Add	*98.44*	

04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0103		CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	105.93	
			For Hot-Dipped Galvanized, Add	*24.06*	
			For Stainless Steel, Add	*96.22*	
04 05 19 13-0104		CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	115.51	
			For Hot-Dipped Galvanized, Add	*25.64*	
			For Stainless Steel, Add	*102.56*	
04 05 19 13-0105		CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	124.56	
			For Hot-Dipped Galvanized, Add	*26.95*	
			For Stainless Steel, Add	*107.80*	
04 05 19 13-0106		CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	132.74	
			For Hot-Dipped Galvanized, Add	*27.83*	
			For Stainless Steel, Add	*111.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	137.40	
		For Hot-Dipped Galvanized, Add	*28.55*	
		For Stainless Steel, Add	*114.20*	
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	146.48	
		For Hot-Dipped Galvanized, Add	*30.20*	
		For Stainless Steel, Add	*120.80*	
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	154.51	
		For Hot-Dipped Galvanized, Add	*31.65*	
		For Stainless Steel, Add	*126.60*	

04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0111	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	112.68	
		For Hot-Dipped Galvanized, Add	*27.43*	
		For Stainless Steel, Add	*109.72*	
04 05 19 13-0112	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	123.86	
		For Hot-Dipped Galvanized, Add	*29.82*	
		For Stainless Steel, Add	*119.26*	
04 05 19 13-0113	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	134.98	
		For Hot-Dipped Galvanized, Add	*32.16*	
		For Stainless Steel, Add	*128.64*	
04 05 19 13-0114	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	143.89	
		For Hot-Dipped Galvanized, Add	*33.41*	
		For Stainless Steel, Add	*133.62*	
04 05 19 13-0115	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	149.39	
		For Hot-Dipped Galvanized, Add	*34.55*	
		For Stainless Steel, Add	*138.18*	
04 05 19 13-0116	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	160.04	
		For Hot-Dipped Galvanized, Add	*36.98*	
		For Stainless Steel, Add	*147.92*	
04 05 19 13-0117	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	169.95	
		For Hot-Dipped Galvanized, Add	*39.37*	
		For Stainless Steel, Add	*157.48*	

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0120	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	129.44	
		For Hot-Dipped Galvanized, Add	*35.81*	
		For Stainless Steel, Add	*143.24*	
04 05 19 13-0121	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	138.04	
		For Hot-Dipped Galvanized, Add	*36.91*	
		For Stainless Steel, Add	*147.62*	
04 05 19 13-0122	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	146.69	
		For Hot-Dipped Galvanized, Add	*38.02*	
		For Stainless Steel, Add	*152.06*	
04 05 19 13-0123	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	158.79	
		For Hot-Dipped Galvanized, Add	*39.25*	
		For Stainless Steel, Add	*156.98*	
04 05 19 13-0124	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	167.04	
		For Hot-Dipped Galvanized, Add	*40.48*	
		For Stainless Steel, Add	*161.92*	
04 05 19 13-0125	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	175.93	
		For Hot-Dipped Galvanized, Add	*42.36*	
		For Stainless Steel, Add	*169.44*	

04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0127	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	151.23	
		For Hot-Dipped Galvanized, Add	*46.71*	
		For Stainless Steel, Add	*186.82*	
04 05 19 13-0128	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	159.86	
		For Hot-Dipped Galvanized, Add	*47.82*	
		For Stainless Steel, Add	*191.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0129	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	168.78	
		For Hot-Dipped Galvanized, Add	*49.06*	
		For Stainless Steel, Add	*196.24*	
04 05 19 13-0130	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	180.61	
		For Hot-Dipped Galvanized, Add	*50.16*	
		For Stainless Steel, Add	*200.62*	
04 05 19 13-0131	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	188.89	
		For Hot-Dipped Galvanized, Add	*51.41*	
		For Stainless Steel, Add	*205.62*	
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.51	
		For Hot-Dipped Galvanized, Add	*52.65*	
		For Stainless Steel, Add	*210.60*	

04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	152.83	
		For Hot-Dipped Galvanized, Add	*47.51*	
		For Stainless Steel, Add	*190.02*	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	162.66	
		For Hot-Dipped Galvanized, Add	*49.22*	
		For Stainless Steel, Add	*196.86*	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	172.48	
		For Hot-Dipped Galvanized, Add	*50.91*	
		For Stainless Steel, Add	*203.64*	
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	186.22	
		For Hot-Dipped Galvanized, Add	*52.96*	
		For Stainless Steel, Add	*211.84*	
04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.07	
		For Hot-Dipped Galvanized, Add	*55.00*	
		For Stainless Steel, Add	*219.98*	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	205.23	
		For Hot-Dipped Galvanized, Add	*57.01*	
		For Stainless Steel, Add	*228.04*	

04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	139.92	
		For Hot-Dipped Galvanized, Add	*37.85*	
		For Stainless Steel, Add	*151.38*	
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	148.50	
		For Hot-Dipped Galvanized, Add	*38.92*	
		For Stainless Steel, Add	*155.68*	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	160.30	
		For Hot-Dipped Galvanized, Add	*40.00*	
		For Stainless Steel, Add	*160.00*	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	168.64	
		For Hot-Dipped Galvanized, Add	*41.28*	
		For Stainless Steel, Add	*165.12*	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	176.24	
		For Hot-Dipped Galvanized, Add	*42.52*	
		For Stainless Steel, Add	*170.06*	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	184.78	
		For Hot-Dipped Galvanized, Add	*45.00*	
		For Stainless Steel, Add	*179.98*	

04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	161.74	
		For Hot-Dipped Galvanized, Add	*48.76*	
		For Stainless Steel, Add	*195.02*	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	170.35	
		For Hot-Dipped Galvanized, Add	*49.85*	
		For Stainless Steel, Add	*199.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	182.46	
		For Hot-Dipped Galvanized, Add	*51.08*	
		For Stainless Steel, Add	*204.32*	
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	190.43	
		For Hot-Dipped Galvanized, Add	*52.18*	
		For Stainless Steel, Add	*208.70*	
04 05 19 13-0153	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	198.05	
		For Hot-Dipped Galvanized, Add	*53.42*	
		For Stainless Steel, Add	*213.68*	
04 05 19 13-0154	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	206.87	
		For Hot-Dipped Galvanized, Add	*56.04*	
		For Stainless Steel, Add	*224.16*	

04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0156	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	163.28	
		For Hot-Dipped Galvanized, Add	*49.53*	
		For Stainless Steel, Add	*198.10*	
04 05 19 13-0157	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	173.13	
		For Hot-Dipped Galvanized, Add	*51.24*	
		For Stainless Steel, Add	*204.94*	
04 05 19 13-0158	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	186.22	
		For Hot-Dipped Galvanized, Add	*52.96*	
		For Stainless Steel, Add	*211.84*	
04 05 19 13-0159	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	196.07	
		For Hot-Dipped Galvanized, Add	*55.00*	
		For Stainless Steel, Add	*219.98*	
04 05 19 13-0160	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	205.23	
		For Hot-Dipped Galvanized, Add	*57.01*	
		For Stainless Steel, Add	*228.04*	
04 05 19 13-0161	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	214.61	
		For Hot-Dipped Galvanized, Add	*59.91*	
		For Stainless Steel, Add	*239.64*	

04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0164	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	132.74	
		For Hot-Dipped Galvanized, Add	*34.26*	
		For Stainless Steel, Add	*137.02*	
		For Seismic Hook And Eye, Add	*14.73*	
04 05 19 13-0165	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	140.95	
		For Hot-Dipped Galvanized, Add	*35.15*	
		For Stainless Steel, Add	*140.58*	
		For Seismic Hook And Eye, Add	*15.11*	
04 05 19 13-0166	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	152.51	
		For Hot-Dipped Galvanized, Add	*36.11*	
		For Stainless Steel, Add	*144.42*	
		For Seismic Hook And Eye, Add	*15.53*	
04 05 19 13-0167	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	160.32	
		For Hot-Dipped Galvanized, Add	*37.12*	
		For Stainless Steel, Add	*148.48*	
		For Seismic Hook And Eye, Add	*15.96*	
04 05 19 13-0168	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	167.58	
		For Hot-Dipped Galvanized, Add	*38.19*	
		For Stainless Steel, Add	*152.74*	
		For Seismic Hook And Eye, Add	*16.42*	
04 05 19 13-0169	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	173.07	
		For Hot-Dipped Galvanized, Add	*39.14*	
		For Stainless Steel, Add	*156.56*	
		For Seismic Hook And Eye, Add	*16.83*	

04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0171		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	153.20	
			For Hot-Dipped Galvanized, Add	*44.49*	
			For Stainless Steel, Add	*177.94*	
			For Seismic Hook And Eye, Add	*19.13*	
04 05 19 13-0172		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	161.02	
			For Hot-Dipped Galvanized, Add	*45.18*	
			For Stainless Steel, Add	*180.72*	
			For Seismic Hook And Eye, Add	*19.43*	
04 05 19 13-0173		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	172.63	
			For Hot-Dipped Galvanized, Add	*46.17*	
			For Stainless Steel, Add	*184.66*	
			For Seismic Hook And Eye, Add	*19.85*	
04 05 19 13-0174		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	180.32	
			For Hot-Dipped Galvanized, Add	*47.12*	
			For Stainless Steel, Add	*188.48*	
			For Seismic Hook And Eye, Add	*20.26*	
04 05 19 13-0175		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	187.36	
			For Hot-Dipped Galvanized, Add	*48.08*	
			For Stainless Steel, Add	*192.30*	
			For Seismic Hook And Eye, Add	*20.67*	
04 05 19 13-0176		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	195.07	
			For Hot-Dipped Galvanized, Add	*50.14*	
			For Stainless Steel, Add	*200.56*	
			For Seismic Hook And Eye, Add	*21.56*	

04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0178		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	154.71	
			For Hot-Dipped Galvanized, Add	*45.24*	
			For Stainless Steel, Add	*180.96*	
			For Seismic Hook And Eye, Add	*19.45*	
04 05 19 13-0179		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	164.41	
			For Hot-Dipped Galvanized, Add	*46.88*	
			For Stainless Steel, Add	*187.50*	
			For Seismic Hook And Eye, Add	*20.16*	
04 05 19 13-0180		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	177.28	
			For Hot-Dipped Galvanized, Add	*48.49*	
			For Stainless Steel, Add	*193.96*	
			For Seismic Hook And Eye, Add	*20.85*	
04 05 19 13-0181		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	186.95	
			For Hot-Dipped Galvanized, Add	*50.44*	
			For Stainless Steel, Add	*201.74*	
			For Seismic Hook And Eye, Add	*21.69*	
04 05 19 13-0182		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	195.96	
			For Hot-Dipped Galvanized, Add	*52.38*	
			For Stainless Steel, Add	*209.50*	
			For Seismic Hook And Eye, Add	*22.52*	
04 05 19 13-0183		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	203.39	
			For Hot-Dipped Galvanized, Add	*54.30*	
			For Stainless Steel, Add	*217.20*	
			For Seismic Hook And Eye, Add	*23.35*	

04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0186		CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	143.24	
			For Hot-Dipped Galvanized, Add	*36.29*	
			For Stainless Steel, Add	*145.16*	
			For Seismic Hook And Eye, Add	*15.60*	
04 05 19 13-0187		CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	154.63	
			For Hot-Dipped Galvanized, Add	*37.17*	
			For Stainless Steel, Add	*148.66*	
			For Seismic Hook And Eye, Add	*15.98*	
04 05 19 13-0188		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	162.17	
			For Hot-Dipped Galvanized, Add	*38.05*	
			For Stainless Steel, Add	*152.18*	
			For Seismic Hook And Eye, Add	*16.36*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0189		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	169.55	
			For Hot-Dipped Galvanized, Add	*39.17*	
			For Stainless Steel, Add	*156.68*	
			For Seismic Hook And Eye, Add	*16.84*	
04 05 19 13-0190		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	175.16	
			For Hot-Dipped Galvanized, Add	*40.19*	
			For Stainless Steel, Add	*160.74*	
			For Seismic Hook And Eye, Add	*17.28*	

04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0192		CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	162.96	
			For Hot-Dipped Galvanized, Add	*46.15*	
			For Stainless Steel, Add	*184.60*	
			For Seismic Hook And Eye, Add	*19.84*	
04 05 19 13-0193		CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	174.51	
			For Hot-Dipped Galvanized, Add	*47.11*	
			For Stainless Steel, Add	*188.42*	
			For Seismic Hook And Eye, Add	*20.26*	
04 05 19 13-0194		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	182.32	
			For Hot-Dipped Galvanized, Add	*48.12*	
			For Stainless Steel, Add	*192.48*	
			For Seismic Hook And Eye, Add	*20.69*	
04 05 19 13-0195		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	189.09	
			For Hot-Dipped Galvanized, Add	*48.94*	
			For Stainless Steel, Add	*195.76*	
			For Seismic Hook And Eye, Add	*21.04*	
04 05 19 13-0196		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	194.89	
			For Hot-Dipped Galvanized, Add	*50.05*	
			For Stainless Steel, Add	*200.20*	
			For Seismic Hook And Eye, Add	*21.52*	

04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0198		CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	164.99	
			For Hot-Dipped Galvanized, Add	*47.17*	
			For Stainless Steel, Add	*188.66*	
			For Seismic Hook And Eye, Add	*20.28*	
04 05 19 13-0199		CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	177.90	
			For Hot-Dipped Galvanized, Add	*48.80*	
			For Stainless Steel, Add	*195.20*	
			For Seismic Hook And Eye, Add	*20.98*	
04 05 19 13-0200		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	186.95	
			For Hot-Dipped Galvanized, Add	*50.44*	
			For Stainless Steel, Add	*201.74*	
			For Seismic Hook And Eye, Add	*21.69*	
04 05 19 13-0201		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	195.96	
			For Hot-Dipped Galvanized, Add	*52.38*	
			For Stainless Steel, Add	*209.50*	
			For Seismic Hook And Eye, Add	*22.52*	
04 05 19 13-0202		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	203.39	
			For Hot-Dipped Galvanized, Add	*54.30*	
			For Stainless Steel, Add	*217.20*	
			For Seismic Hook And Eye, Add	*23.35*	

04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0206		CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	73.07	
			For Hot-Dipped Galvanized, Add	*14.27*	
			For Stainless Steel, Add	*57.08*	
04 05 19 13-0207		CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	76.43	
			For Hot-Dipped Galvanized, Add	*14.43*	
			For Stainless Steel, Add	*57.70*	
04 05 19 13-0208		CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	81.90	
			For Hot-Dipped Galvanized, Add	*15.00*	
			For Stainless Steel, Add	*59.98*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0209		CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	88.56	
			For Hot-Dipped Galvanized, Add	*15.73*	
			For Stainless Steel, Add	*62.92*	
04 05 19 13-0210		CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.57	
			For Hot-Dipped Galvanized, Add	*16.57*	
			For Stainless Steel, Add	*66.26*	
04 05 19 13-0211		CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	102.53	
			For Hot-Dipped Galvanized, Add	*17.01*	
			For Stainless Steel, Add	*68.04*	
04 05 19 13-0212		CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.69	
			For Hot-Dipped Galvanized, Add	*17.66*	
			For Stainless Steel, Add	*70.64*	
04 05 19 13-0213		CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.12	
			For Hot-Dipped Galvanized, Add	*24.81*	
			For Stainless Steel, Add	*99.24*	
04 05 19 13-0214		CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.51	
			For Hot-Dipped Galvanized, Add	*26.23*	
			For Stainless Steel, Add	*104.90*	
04 05 19 13-0215		CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	177.52	
			For Hot-Dipped Galvanized, Add	*45.37*	
			For Stainless Steel, Add	*181.46*	

04 05 19 13-0216 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0217		CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	84.11	
			For Hot-Dipped Galvanized, Add	*19.79*	
			For Stainless Steel, Add	*79.14*	
04 05 19 13-0218		CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.70	
			For Hot-Dipped Galvanized, Add	*20.06*	
			For Stainless Steel, Add	*80.24*	
04 05 19 13-0219		CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.17	
			For Hot-Dipped Galvanized, Add	*20.63*	
			For Stainless Steel, Add	*82.52*	
04 05 19 13-0220		CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.81	
			For Hot-Dipped Galvanized, Add	*21.36*	
			For Stainless Steel, Add	*85.42*	
04 05 19 13-0221		CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.66	
			For Hot-Dipped Galvanized, Add	*22.11*	
			For Stainless Steel, Add	*88.44*	
04 05 19 13-0222		CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.77	
			For Hot-Dipped Galvanized, Add	*22.64*	
			For Stainless Steel, Add	*90.54*	
04 05 19 13-0223		CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.75	
			For Hot-Dipped Galvanized, Add	*23.19*	
			For Stainless Steel, Add	*92.76*	
04 05 19 13-0224		CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.97	
			For Hot-Dipped Galvanized, Add	*32.24*	
			For Stainless Steel, Add	*128.94*	
04 05 19 13-0225		CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	148.37	
			For Hot-Dipped Galvanized, Add	*33.66*	
			For Stainless Steel, Add	*134.62*	
04 05 19 13-0226		CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	208.21	
			For Hot-Dipped Galvanized, Add	*63.58*	
			For Stainless Steel, Add	*254.30*	

04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0228		CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.00	
			For Hot-Dipped Galvanized, Add	*28.23*	
			For Stainless Steel, Add	*112.92*	
04 05 19 13-0229		CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.14	
			For Hot-Dipped Galvanized, Add	*28.59*	
			For Stainless Steel, Add	*114.34*	
04 05 19 13-0230		CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.65	
			For Hot-Dipped Galvanized, Add	*29.63*	
			For Stainless Steel, Add	*118.52*	
04 05 19 13-0231		CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.23	
			For Hot-Dipped Galvanized, Add	*31.07*	
			For Stainless Steel, Add	*124.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.51	
		For Hot-Dipped Galvanized, Add	*32.85*	
		For Stainless Steel, Add	*131.40*	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.86	
		For Hot-Dipped Galvanized, Add	*33.67*	
		For Stainless Steel, Add	*134.68*	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.14	
		For Hot-Dipped Galvanized, Add	*34.89*	
		For Stainless Steel, Add	*139.54*	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.45	
		For Hot-Dipped Galvanized, Add	*48.97*	
		For Stainless Steel, Add	*195.88*	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	184.57	
		For Hot-Dipped Galvanized, Add	*51.75*	
		For Stainless Steel, Add	*206.98*	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	265.72	
		For Hot-Dipped Galvanized, Add	*89.47*	
		For Stainless Steel, Add	*357.86*	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	90.36	
		For Hot-Dipped Galvanized, Add	*22.91*	
		For Stainless Steel, Add	*91.64*	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	94.39	
		For Hot-Dipped Galvanized, Add	*23.41*	
		For Stainless Steel, Add	*93.62*	
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.86	
		For Hot-Dipped Galvanized, Add	*23.98*	
		For Stainless Steel, Add	*95.92*	
04 05 19 13-0242	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.35	
		For Hot-Dipped Galvanized, Add	*24.63*	
		For Stainless Steel, Add	*98.50*	
04 05 19 13-0243	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.96	
		For Hot-Dipped Galvanized, Add	*25.26*	
		For Stainless Steel, Add	*101.02*	
04 05 19 13-0244	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.65	
		For Hot-Dipped Galvanized, Add	*25.57*	
		For Stainless Steel, Add	*102.26*	
04 05 19 13-0245	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.76	
		For Hot-Dipped Galvanized, Add	*25.92*	
		For Stainless Steel, Add	*103.66*	
04 05 19 13-0246	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	138.15	
		For Hot-Dipped Galvanized, Add	*30.82*	
		For Stainless Steel, Add	*123.28*	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0248	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.51	
		For Hot-Dipped Galvanized, Add	*28.49*	
		For Stainless Steel, Add	*113.94*	
04 05 19 13-0249	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.69	
		For Hot-Dipped Galvanized, Add	*29.06*	
		For Stainless Steel, Add	*116.22*	
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.28	
		For Hot-Dipped Galvanized, Add	*29.69*	
		For Stainless Steel, Add	*118.76*	
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.65	
		For Hot-Dipped Galvanized, Add	*30.28*	
		For Stainless Steel, Add	*121.10*	
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.23	
		For Hot-Dipped Galvanized, Add	*30.89*	
		For Stainless Steel, Add	*123.56*	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.96	
		For Hot-Dipped Galvanized, Add	*31.23*	
		For Stainless Steel, Add	*124.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.01	
		For Hot-Dipped Galvanized, Add	*31.54*	
		For Stainless Steel, Add	*126.14*	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.99	
		For Hot-Dipped Galvanized, Add	*38.25*	
		For Stainless Steel, Add	*152.98*	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	187.81	
		For Hot-Dipped Galvanized, Add	*53.38*	
		For Stainless Steel, Add	*213.50*	

04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	112.31	
		For Hot-Dipped Galvanized, Add	*33.89*	
		For Stainless Steel, Add	*135.54*	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.06	
		For Hot-Dipped Galvanized, Add	*35.05*	
		For Stainless Steel, Add	*140.18*	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.80	
		For Hot-Dipped Galvanized, Add	*36.21*	
		For Stainless Steel, Add	*144.82*	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.27	
		For Hot-Dipped Galvanized, Add	*37.59*	
		For Stainless Steel, Add	*150.34*	
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.73	
		For Hot-Dipped Galvanized, Add	*38.96*	
		For Stainless Steel, Add	*155.84*	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.91	
		For Hot-Dipped Galvanized, Add	*39.70*	
		For Stainless Steel, Add	*158.78*	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.02	
		For Hot-Dipped Galvanized, Add	*40.33*	
		For Stainless Steel, Add	*161.30*	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	159.69	
		For Hot-Dipped Galvanized, Add	*41.59*	
		For Stainless Steel, Add	*166.36*	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	202.30	
		For Hot-Dipped Galvanized, Add	*60.61*	
		For Stainless Steel, Add	*242.44*	

04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.04	
		For Hot-Dipped Galvanized, Add	*35.75*	
		For Stainless Steel, Add	*143.00*	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.07	
		For Hot-Dipped Galvanized, Add	*36.25*	
		For Stainless Steel, Add	*144.98*	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.54	
		For Hot-Dipped Galvanized, Add	*36.82*	
		For Stainless Steel, Add	*147.28*	
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.03	
		For Hot-Dipped Galvanized, Add	*37.47*	
		For Stainless Steel, Add	*149.86*	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	139.64	
		For Hot-Dipped Galvanized, Add	*38.10*	
		For Stainless Steel, Add	*152.38*	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.33	
		For Hot-Dipped Galvanized, Add	*38.41*	
		For Stainless Steel, Add	*153.62*	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.44	
		For Hot-Dipped Galvanized, Add	*38.76*	
		For Stainless Steel, Add	*155.02*	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	163.83	
		For Hot-Dipped Galvanized, Add	*43.66*	
		For Stainless Steel, Add	*174.64*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0276		CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	188.02	
			For Hot-Dipped Galvanized, Add	*53.48*	
			For Stainless Steel, Add	*213.90*	

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0278		CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.19	
			For Hot-Dipped Galvanized, Add	*41.33*	
			For Stainless Steel, Add	*165.30*	
04 05 19 13-0279		CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.37	
			For Hot-Dipped Galvanized, Add	*41.90*	
			For Stainless Steel, Add	*167.58*	
04 05 19 13-0280		CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.96	
			For Hot-Dipped Galvanized, Add	*42.53*	
			For Stainless Steel, Add	*170.12*	
04 05 19 13-0281		CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.33	
			For Hot-Dipped Galvanized, Add	*43.12*	
			For Stainless Steel, Add	*172.46*	
04 05 19 13-0282		CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.91	
			For Hot-Dipped Galvanized, Add	*43.73*	
			For Stainless Steel, Add	*174.92*	
04 05 19 13-0283		CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.64	
			For Hot-Dipped Galvanized, Add	*44.07*	
			For Stainless Steel, Add	*176.28*	
04 05 19 13-0284		CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	160.69	
			For Hot-Dipped Galvanized, Add	*44.38*	
			For Stainless Steel, Add	*177.50*	
04 05 19 13-0285		CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	178.67	
			For Hot-Dipped Galvanized, Add	*51.09*	
			For Stainless Steel, Add	*204.34*	
04 05 19 13-0286		CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	213.49	
			For Hot-Dipped Galvanized, Add	*66.22*	
			For Stainless Steel, Add	*264.86*	

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0288		CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	137.99	
			For Hot-Dipped Galvanized, Add	*46.73*	
			For Stainless Steel, Add	*186.90*	
04 05 19 13-0289		CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.74	
			For Hot-Dipped Galvanized, Add	*47.89*	
			For Stainless Steel, Add	*191.54*	
04 05 19 13-0290		CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.48	
			For Hot-Dipped Galvanized, Add	*49.05*	
			For Stainless Steel, Add	*196.18*	
04 05 19 13-0291		CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.95	
			For Hot-Dipped Galvanized, Add	*50.43*	
			For Stainless Steel, Add	*201.70*	
04 05 19 13-0292		CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	166.42	
			For Hot-Dipped Galvanized, Add	*51.81*	
			For Stainless Steel, Add	*207.22*	
04 05 19 13-0293		CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	173.59	
			For Hot-Dipped Galvanized, Add	*52.54*	
			For Stainless Steel, Add	*210.14*	
04 05 19 13-0294		CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	177.71	
			For Hot-Dipped Galvanized, Add	*53.17*	
			For Stainless Steel, Add	*212.68*	
04 05 19 13-0295		CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	185.37	
			For Hot-Dipped Galvanized, Add	*54.43*	
			For Stainless Steel, Add	*217.72*	
04 05 19 13-0296		CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	227.98	
			For Hot-Dipped Galvanized, Add	*73.45*	
			For Stainless Steel, Add	*293.80*	

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	102.54	
		For Hot-Dipped Galvanized, Add	*22.36*	
		For Stainless Steel, Add	*89.44*	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	111.10	
		For Hot-Dipped Galvanized, Add	*23.44*	
		For Stainless Steel, Add	*93.74*	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	120.28	
		For Hot-Dipped Galvanized, Add	*24.81*	
		For Stainless Steel, Add	*99.24*	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	128.58	
		For Hot-Dipped Galvanized, Add	*25.75*	
		For Stainless Steel, Add	*103.00*	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	133.37	
		For Hot-Dipped Galvanized, Add	*26.54*	
		For Stainless Steel, Add	*106.14*	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	142.94	
		For Hot-Dipped Galvanized, Add	*28.43*	
		For Stainless Steel, Add	*113.72*	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	151.86	
		For Hot-Dipped Galvanized, Add	*30.33*	
		For Stainless Steel, Add	*121.30*	

04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	116.47	
		For Hot-Dipped Galvanized, Add	*29.33*	
		For Stainless Steel, Add	*117.30*	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	125.06	
		For Hot-Dipped Galvanized, Add	*30.42*	
		For Stainless Steel, Add	*121.66*	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	134.17	
		For Hot-Dipped Galvanized, Add	*31.76*	
		For Stainless Steel, Add	*127.02*	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	142.51	
		For Hot-Dipped Galvanized, Add	*32.72*	
		For Stainless Steel, Add	*130.86*	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	147.20	
		For Hot-Dipped Galvanized, Add	*33.45*	
		For Stainless Steel, Add	*133.80*	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	156.81	
		For Hot-Dipped Galvanized, Add	*35.37*	
		For Stainless Steel, Add	*141.46*	
04 05 19 13-0313	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	165.79	
		For Hot-Dipped Galvanized, Add	*37.29*	
		For Stainless Steel, Add	*149.16*	

04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0315	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	129.38	
		For Hot-Dipped Galvanized, Add	*35.78*	
		For Stainless Steel, Add	*143.12*	
04 05 19 13-0316	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	139.18	
		For Hot-Dipped Galvanized, Add	*37.48*	
		For Stainless Steel, Add	*149.90*	
04 05 19 13-0317	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	150.26	
		For Hot-Dipped Galvanized, Add	*39.80*	
		For Stainless Steel, Add	*159.20*	
04 05 19 13-0318	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	159.21	
		For Hot-Dipped Galvanized, Add	*41.07*	
		For Stainless Steel, Add	*164.26*	
04 05 19 13-0319	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	164.96	
		For Hot-Dipped Galvanized, Add	*42.33*	
		For Stainless Steel, Add	*169.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0320	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	176.44	
		For Hot-Dipped Galvanized, Add	*45.18*	
		For Stainless Steel, Add	*180.72*	
04 05 19 13-0321	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	186.28	
		For Hot-Dipped Galvanized, Add	*47.54*	
		For Stainless Steel, Add	*190.14*	

04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0324	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	145.96	
		For Hot-Dipped Galvanized, Add	*44.07*	
		For Stainless Steel, Add	*176.28*	
04 05 19 13-0325	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	152.98	
		For Hot-Dipped Galvanized, Add	*44.38*	
		For Stainless Steel, Add	*177.50*	
04 05 19 13-0326	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	161.57	
		For Hot-Dipped Galvanized, Add	*45.46*	
		For Stainless Steel, Add	*181.82*	
04 05 19 13-0327	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	174.08	
		For Hot-Dipped Galvanized, Add	*46.89*	
		For Stainless Steel, Add	*187.56*	
04 05 19 13-0328	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	183.25	
		For Hot-Dipped Galvanized, Add	*48.59*	
		For Stainless Steel, Add	*194.34*	
04 05 19 13-0329	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	192.51	
		For Hot-Dipped Galvanized, Add	*50.65*	
		For Stainless Steel, Add	*202.60*	

04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0331	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	167.50	
		For Hot-Dipped Galvanized, Add	*54.84*	
		For Stainless Steel, Add	*219.36*	
04 05 19 13-0332	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	174.83	
		For Hot-Dipped Galvanized, Add	*55.30*	
		For Stainless Steel, Add	*221.20*	
04 05 19 13-0333	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	183.42	
		For Hot-Dipped Galvanized, Add	*56.38*	
		For Stainless Steel, Add	*225.52*	
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	195.87	
		For Hot-Dipped Galvanized, Add	*57.79*	
		For Stainless Steel, Add	*231.14*	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	204.76	
		For Hot-Dipped Galvanized, Add	*59.34*	
		For Stainless Steel, Add	*237.36*	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	213.03	
		For Hot-Dipped Galvanized, Add	*60.91*	
		For Stainless Steel, Add	*243.64*	

04 05 19 13-0337 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	179.30	
		For Hot-Dipped Galvanized, Add	*60.74*	
		For Stainless Steel, Add	*242.96*	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	186.64	
		For Hot-Dipped Galvanized, Add	*61.21*	
		For Stainless Steel, Add	*244.82*	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.46	
		For Hot-Dipped Galvanized, Add	*62.90*	
		For Stainless Steel, Add	*251.60*	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	210.53	
		For Hot-Dipped Galvanized, Add	*65.12*	
		For Stainless Steel, Add	*260.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	221.92	
		For Hot-Dipped Galvanized, Add	*67.92*	
		For Stainless Steel, Add	*271.68*	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	233.28	
		For Hot-Dipped Galvanized, Add	*71.04*	
		For Stainless Steel, Add	*284.14*	

04 05 19 13-0344 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0345 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	156.47	
		For Hot-Dipped Galvanized, Add	*46.12*	
		For Stainless Steel, Add	*184.48*	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	163.54	
		For Hot-Dipped Galvanized, Add	*46.44*	
		For Stainless Steel, Add	*185.76*	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	175.28	
		For Hot-Dipped Galvanized, Add	*47.49*	
		For Stainless Steel, Add	*189.96*	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	183.89	
		For Hot-Dipped Galvanized, Add	*48.91*	
		For Stainless Steel, Add	*195.62*	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	192.48	
		For Hot-Dipped Galvanized, Add	*50.64*	
		For Stainless Steel, Add	*202.54*	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	199.57	
		For Hot-Dipped Galvanized, Add	*52.39*	
		For Stainless Steel, Add	*209.56*	

04 05 19 13-0352 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	177.95	
		For Hot-Dipped Galvanized, Add	*56.86*	
		For Stainless Steel, Add	*227.44*	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	185.30	
		For Hot-Dipped Galvanized, Add	*57.32*	
		For Stainless Steel, Add	*229.28*	
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	197.10	
		For Hot-Dipped Galvanized, Add	*58.40*	
		For Stainless Steel, Add	*233.60*	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	205.71	
		For Hot-Dipped Galvanized, Add	*59.82*	
		For Stainless Steel, Add	*239.26*	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	213.96	
		For Hot-Dipped Galvanized, Add	*61.38*	
		For Stainless Steel, Add	*245.50*	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	221.23	
		For Hot-Dipped Galvanized, Add	*63.22*	
		For Stainless Steel, Add	*252.88*	

04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	189.78	
		For Hot-Dipped Galvanized, Add	*62.78*	
		For Stainless Steel, Add	*251.10*	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	197.10	
		For Hot-Dipped Galvanized, Add	*63.22*	
		For Stainless Steel, Add	*252.88*	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	210.20	
		For Hot-Dipped Galvanized, Add	*64.95*	
		For Stainless Steel, Add	*259.80*	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	220.38	
		For Hot-Dipped Galvanized, Add	*67.15*	
		For Stainless Steel, Add	*268.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0364	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	231.09	
		For Hot-Dipped Galvanized, Add	*69.94*	
		For Stainless Steel, Add	*279.76*	
04 05 19 13-0365	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	238.92	
		For Hot-Dipped Galvanized, Add	*72.07*	
		For Stainless Steel, Add	*288.26*	

04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0368	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	148.18	
		For Hot-Dipped Galvanized, Add	*41.98*	
		For Stainless Steel, Add	*167.90*	
		For Seismic Hook And Eye, Add	*18.05*	
04 05 19 13-0369	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	155.19	
		For Hot-Dipped Galvanized, Add	*42.27*	
		For Stainless Steel, Add	*169.06*	
		For Seismic Hook And Eye, Add	*18.17*	
04 05 19 13-0370	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	166.65	
		For Hot-Dipped Galvanized, Add	*43.18*	
		For Stainless Steel, Add	*172.70*	
		For Seismic Hook And Eye, Add	*18.57*	
04 05 19 13-0371	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	175.05	
		For Hot-Dipped Galvanized, Add	*44.49*	
		For Stainless Steel, Add	*177.94*	
		For Seismic Hook And Eye, Add	*19.13*	
04 05 19 13-0372	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	182.89	
		For Hot-Dipped Galvanized, Add	*45.84*	
		For Stainless Steel, Add	*183.36*	
		For Seismic Hook And Eye, Add	*19.71*	
04 05 19 13-0373	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	189.80	
		For Hot-Dipped Galvanized, Add	*47.51*	
		For Stainless Steel, Add	*190.02*	
		For Seismic Hook And Eye, Add	*20.43*	

04 05 19 13-0374 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	167.96	
		For Hot-Dipped Galvanized, Add	*51.87*	
		For Stainless Steel, Add	*207.46*	
		For Seismic Hook And Eye, Add	*22.30*	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	175.19	
		For Hot-Dipped Galvanized, Add	*52.27*	
		For Stainless Steel, Add	*209.06*	
		For Seismic Hook And Eye, Add	*22.47*	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	186.50	
		For Hot-Dipped Galvanized, Add	*53.10*	
		For Stainless Steel, Add	*212.40*	
		For Seismic Hook And Eye, Add	*22.83*	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	194.77	
		For Hot-Dipped Galvanized, Add	*54.35*	
		For Stainless Steel, Add	*217.38*	
		For Seismic Hook And Eye, Add	*23.37*	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	202.58	
		For Hot-Dipped Galvanized, Add	*55.69*	
		For Stainless Steel, Add	*222.74*	
		For Seismic Hook And Eye, Add	*23.94*	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	209.12	
		For Hot-Dipped Galvanized, Add	*57.17*	
		For Stainless Steel, Add	*228.66*	
		For Seismic Hook And Eye, Add	*24.58*	

04 05 19 13-0381 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	179.92	
		For Hot-Dipped Galvanized, Add	*57.85*	
		For Stainless Steel, Add	*231.38*	
		For Seismic Hook And Eye, Add	*24.87*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		187.24	
		For Hot-Dipped Galvanized, Add		*58.29*	
		For Stainless Steel, Add		*233.16*	
		For Seismic Hook And Eye, Add		*25.06*	
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		200.12	
		For Hot-Dipped Galvanized, Add		*59.91*	
		For Stainless Steel, Add		*239.64*	
		For Seismic Hook And Eye, Add		*25.76*	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		210.12	
		For Hot-Dipped Galvanized, Add		*62.02*	
		For Stainless Steel, Add		*248.08*	
		For Seismic Hook And Eye, Add		*26.67*	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		220.58	
		For Hot-Dipped Galvanized, Add		*64.69*	
		For Stainless Steel, Add		*258.74*	
		For Seismic Hook And Eye, Add		*27.81*	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		230.08	
		For Hot-Dipped Galvanized, Add		*67.65*	
		For Stainless Steel, Add		*270.58*	
		For Seismic Hook And Eye, Add		*29.09*	

04 05 19 13-0388 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0389 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)*

04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		158.55	
		For Hot-Dipped Galvanized, Add		*43.95*	
		For Stainless Steel, Add		*175.78*	
		For Seismic Hook And Eye, Add		*18.90*	
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		168.81	
		For Hot-Dipped Galvanized, Add		*44.26*	
		For Stainless Steel, Add		*177.02*	
		For Seismic Hook And Eye, Add		*19.03*	
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		176.53	
		For Hot-Dipped Galvanized, Add		*45.23*	
		For Stainless Steel, Add		*180.90*	
		For Seismic Hook And Eye, Add		*19.45*	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		184.43	
		For Hot-Dipped Galvanized, Add		*46.61*	
		For Stainless Steel, Add		*186.44*	
		For Seismic Hook And Eye, Add		*20.04*	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		191.22	
		For Hot-Dipped Galvanized, Add		*48.22*	
		For Stainless Steel, Add		*192.86*	
		For Seismic Hook And Eye, Add		*20.73*	

04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		179.88	
		For Hot-Dipped Galvanized, Add		*54.61*	
		For Stainless Steel, Add		*218.44*	
		For Seismic Hook And Eye, Add		*23.48*	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		190.20	
		For Hot-Dipped Galvanized, Add		*54.95*	
		For Stainless Steel, Add		*219.80*	
		For Seismic Hook And Eye, Add		*23.63*	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		197.86	
		For Hot-Dipped Galvanized, Add		*55.89*	
		For Stainless Steel, Add		*223.56*	
		For Seismic Hook And Eye, Add		*24.03*	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		205.51	
		For Hot-Dipped Galvanized, Add		*57.15*	
		For Stainless Steel, Add		*228.60*	
		For Seismic Hook And Eye, Add		*24.57*	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		211.68	
		For Hot-Dipped Galvanized, Add		*58.45*	
		For Stainless Steel, Add		*233.78*	
		For Seismic Hook And Eye, Add		*25.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0401		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*		
04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	190.23	
		For Hot-Dipped Galvanized, Add	*59.79*	
		For Stainless Steel, Add	*239.14*	
		For Seismic Hook And Eye, Add	*25.71*	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	200.73	
		For Hot-Dipped Galvanized, Add	*60.22*	
		For Stainless Steel, Add	*240.86*	
		For Seismic Hook And Eye, Add	*25.89*	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	209.78	
		For Hot-Dipped Galvanized, Add	*61.85*	
		For Stainless Steel, Add	*247.40*	
		For Seismic Hook And Eye, Add	*26.60*	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	219.10	
		For Hot-Dipped Galvanized, Add	*63.95*	
		For Stainless Steel, Add	*255.78*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	228.01	
		For Hot-Dipped Galvanized, Add	*66.61*	
		For Stainless Steel, Add	*266.44*	
		For Seismic Hook And Eye, Add	*28.64*	
04 05 19 16		**Masonry Anchors** *(04 05 19)*		
04 05 19 16-0001		Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0002		Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.46	
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.55	
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.63	
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.73	
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.84	
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.63	
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.73	
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.84	
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.94	
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.31	
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.35	
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.38	
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.44	
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.50	
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.38	
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.44	
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.50	
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.55	
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.32	
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.36	
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.52	
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.58	
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.60	
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.70	
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.81	
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.88	
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.20	
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.22	
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.34	
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.36	
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.38	
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.44	
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.50	
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.57	
04 05 19 16-0041		Wire Beam Ties *(04 05 19 16)*		
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.73	
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.80	
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.83	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.90	
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.03	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.11	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.21	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.25	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.32	
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.90	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.98	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.01	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.07	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.10	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.63	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.68	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.70	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.74	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.76	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors *(04 05 19 16)*		
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.29	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.37	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.45	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.54	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.62	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.36	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.45	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.54	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.63	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.72	
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.99	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.05	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.11	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.17	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.23	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.04	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.11	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.17	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.24	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.31	
04 05 19 16-0090		Corrugated Wall Ties *(04 05 19 16)*		
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.20	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.27	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.29	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.32	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.56	
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	1.23	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	1.24	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	1.26	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.45	
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.56	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.63	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.69	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.76	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	2.10	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 05 19 16-0108 Wire Mesh Wall Ties *(04 05 19 16)*

Note: 1/2" square mesh.

04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.37
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.87
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.38
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.29
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.05
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.94

04 05 19 16-0115 Triangle Brick Ties *(04 05 19 16)*

04 05 19 16-0116 Hot-Dipped Galvanized, Triangle Brick Ties *(04 05 19 16-0115)*

04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.11
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.15
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.19
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.27
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.31
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.43
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.51
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.69
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.49
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.52
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.55
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.63
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.65
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.76
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.82
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.02

04 05 19 16-0133 Mill Galvanized, Triangle Brick Ties *(04 05 19 16-0115)*

04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.93
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.95
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.96
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.02
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.03
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.11
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.14
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.20
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.16
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.18
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.20
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.27
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.29
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.38
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.42
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.52

04 05 19 16-0150 Seismic Veneer Anchors *(04 05 19 16)*

04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	6.54

04 05 19 16-0152 Slip-Set, Joint Stabilization Anchors *(04 05 19 16)*

Note: For restraining lateral movement at control joints. Field bendable.

04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	6.57
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	7.12
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	6.54

04 05 19 16-0156 Strap Partition Top Anchors *(04 05 19 16)*

04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	3.82
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	6.88

04 05 19 16-0159 Rigid Partition Anchors *(04 05 19 16)*

04 05 19 16-0160 Hot-Dipped Galvanized, Rigid Partition Anchors *(04 05 19 16-0159)*

04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.97
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.20
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.49
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.76
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.02
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.28
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.02
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.85
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.69
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.53
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	7.37
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	8.21

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0173		**Mill Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.74	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.94	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.15	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.35	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.55	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.76	
04 05 19 16-0180		**Screw-On Masonry Veneer Anchor Plates** *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.90	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	2.00	
04 05 19 16-0183		**Wire Column Ties** *(04 05 19 16)*		
04 05 19 16-0184		**Hot-Dipped Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.27	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.41	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.51	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.65	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.39	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.51	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.60	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.69	
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.00	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.25	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.40	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.63	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.25	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.40	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.54	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.70	
04 05 19 16-0201		**Mill Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.02	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.11	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.16	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.25	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.06	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.15	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.20	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.27	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.56	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.72	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.79	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.95	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.49	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.76	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.86	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.95	
04 05 19 16-0218		**Dovetail Anchors, Slots And Ties** *(04 05 19 16)*		
04 05 19 16-0219		**Dovetail Anchor Slots** *(04 05 19 16-0218)*		
04 05 19 16-0220		**Hot-Dipped Galvanized, Dovetail Anchor Slot** *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.76	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.17	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.41	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.53	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.81	
04 05 19 16-0226		**Mill Galvanized, Dovetail Anchor Slot** *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.94	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.46	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.58	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.76	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.88	
04 05 19 16-0232		**304 Stainless Steel, Dovetail Anchor Slot** *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.72	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.18	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.34	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.86	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	6.36	
04 05 19 16-0238		**316 Stainless Steel, Dovetail Anchor Slot** *(04 05 19 16-0219)*		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.43	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.78	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	6.23	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	6.49	
04 05 19 16-0244		Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0245		Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.55	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.68	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.81	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.58	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.83	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.02	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.65	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.82	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.99	
04 05 19 16-0255		Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.43	
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.51	
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.59	
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.50	
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.66	
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.79	
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.52	
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.72	
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.86	
04 05 19 16-0265		Dovetail Stone Anchors *(04 05 19 16-0218)*		
04 05 19 16-0266		Hot-Dipped Galvanized, Dovetail Stone Anchors *(04 05 19 16-0265)*		
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.83	
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.97	
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	2.10	
04 05 19 16-0270		Dovetail Partition Top Anchors *(04 05 19 16-0218)*		
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	4.01	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	7.41	
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.70	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.86	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.99	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.10	
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.45	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.47	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.54	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.74	
04 05 19 26		**Masonry Reinforcing Bars** *(04 05 19)*		
		Note: Includes cutting and bending.		
04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.14	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.88	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.68	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	3.53	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.16	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.92	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.73	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	3.61	
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.19	
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.97	
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	2.82	
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	3.73	
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.33	
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.17	
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.08	
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	4.02	
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.35	
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.21	
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	3.13	
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	4.10	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0022		LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.38	
04 05 19 26-0023		LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.26	
04 05 19 26-0024		LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	3.22	
04 05 19 26-0025		LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	4.22	
04 05 19 26-0026			Galvanized Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0027		LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.34	
04 05 19 26-0028		LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.24	
04 05 19 26-0029		LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.25	
04 05 19 26-0030		LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.34	
04 05 19 26-0031		LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.36	
04 05 19 26-0032		LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.28	
04 05 19 26-0033		LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.30	
04 05 19 26-0034		LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.42	
04 05 19 26-0035		LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.39	
04 05 19 26-0036		LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.33	
04 05 19 26-0037		LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.38	
04 05 19 26-0038		LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.54	
04 05 19 26-0039		LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.53	
04 05 19 26-0040		LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.53	
04 05 19 26-0041		LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.65	
04 05 19 26-0042		LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.83	
04 05 19 26-0043		LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.55	
04 05 19 26-0044		LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.57	
04 05 19 26-0045		LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.70	
04 05 19 26-0046		LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.91	
04 05 19 26-0047		LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.58	
04 05 19 26-0048		LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.62	
04 05 19 26-0049		LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.78	
04 05 19 26-0050		LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	5.03	
04 05 19 26-0051			Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0052		LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.32	
04 05 19 26-0053		LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.20	
04 05 19 26-0054		LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.18	
04 05 19 26-0055		LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.25	
04 05 19 26-0056		LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.34	
04 05 19 26-0057		LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.24	
04 05 19 26-0058		LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.24	
04 05 19 26-0059		LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.33	
04 05 19 26-0060		LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.37	
04 05 19 26-0061		LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.29	
04 05 19 26-0062		LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.32	
04 05 19 26-0063		LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.45	
04 05 19 26-0064		LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.51	
04 05 19 26-0065		LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.49	
04 05 19 26-0066		LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.58	
04 05 19 26-0067		LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.74	
04 05 19 26-0068		LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.53	
04 05 19 26-0069		LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.53	
04 05 19 26-0070		LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.64	
04 05 19 26-0071		LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.82	
04 05 19 26-0072		LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.56	
04 05 19 26-0073		LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.58	
04 05 19 26-0074		LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.72	
04 05 19 26-0075		LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.94	

04 05 23 Masonry Accessories *(04 05)*

04 05 23 13 Masonry Control and Expansion Joints *(04 05 23)*

04 05 23 13-0001 Masonry Control Joints *(04 05 23 13)*

04 05 23 13-0002 Rubber, Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0003		LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	6.52	1.14
04 05 23 13-0004		LF	2-5/8" Width, Rubber, Masonry Control Joint	6.35	1.14
04 05 23 13-0005		LF	6-7/8" Width, Rubber, Masonry Control Joint	13.14	1.14
04 05 23 13-0006			Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*		
04 05 23 13-0007		LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	4.13	1.14
04 05 23 13-0008		LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.27	1.14
04 05 23 13-0009		LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.39	1.14
04 05 23 13-0010		LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	6.00	1.14
04 05 23 13-0011		LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.70	1.14

04 05 23 16 Masonry Embedded Flashing *(04 05 23)*

04 05 23 16-0001 Lead Coated Copper Through Wall Flashing *(04 05 23 16)*

04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.63	2.08
	04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.59	2.08
	04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.28	2.08
	04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.65	2.08
	04 05 23 16-0007		Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
	04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.57	2.08
	04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.44	2.08
	04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.54	2.08
	04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	17.39	2.08
	04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
	04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.84	2.08
	04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.05	2.08
	04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.79	2.08
	04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.42	2.08
	04 05 23 16-0017		Copper Through Wall Flashing *(04 05 23 16)*		
	04 05 23 16-0018		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
	04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.17	1.94
	04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.88	1.94
	04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	10.86	1.94
	04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.59	1.94
	04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	13.33	1.94
	04 05 23 16-0024		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
	04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.88	1.94
	04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.51	1.94
	04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.78	1.94
	04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.86	1.94
	04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	15.09	1.94
	04 05 23 16-0030		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
	04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.25	1.94
	04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.97	1.94
	04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.93	1.94
	04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.66	1.94
	04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.40	1.94
	04 05 23 16-0036		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
	04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.35	1.94
	04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.22	1.94
	04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.50	1.94
	04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.16	1.94
	04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.17	1.94
	04 05 23 16-0042		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
	04 05 23 16-0043	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.26	1.94
	04 05 23 16-0044	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.88	1.94
	04 05 23 16-0045		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
			Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
	04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	9.74	1.94
	04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	12.09	1.94
	04 05 23 16-0048		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
	04 05 23 16-0049		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0048)*		
	04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	7.87	1.94
	04 05 23 16-0051		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
	04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.30	2.28
	04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.50	2.28
	04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.73	2.28
	04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	6.49	2.28
04 05 23 19	**Masonry Cavity Drainage, Weepholes, and Vents** *(04 05 23)*				
	04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)*		
			Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	84.90	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	105.46	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	133.36	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	104.52	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	129.33	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	164.00	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	123.98	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	168.53	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	206.50	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	169.55	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	221.01	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	272.48	

04 20 Unit Masonry *(04)*

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001 Brick Masonry *(04 21 13)*

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	28.65
		For Buff Or Gray, Add	*1.10*
		For Common Or American Bond, Add	*0.88*
		For English Bond, Add	*1.76*
		For Flemish Bond, Add	*3.64*
		For Stacked Bond, Add	*2.53*
		For <10, Small Area Replacements (Individual Areas), Add	*33.38*
		For Curved Wall, Add	*4.41*
		For Corbels, Add	*16.52*
		For Severe Weather (SW) Brick, Add	*0.99*
		For Glazed Brick, Add	*23.17*
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	29.74
		For Buff Or Gray, Add	*1.37*
		For Common Or American Bond, Add	*0.86*
		For English Bond, Add	*1.72*
		For Flemish Bond, Add	*3.64*
		For Stacked Bond, Add	*2.56*
		For <10, Small Area Replacements (Individual Areas), Add	*32.71*
		For Curved Wall, Add	*4.31*
		For Corbels, Add	*16.15*
		For Severe Weather (SW) Brick, Add	*1.23*
		For Glazed Brick, Add	*28.74*
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	28.65
		For Buff Or Gray, Add	*1.10*
		For Common Or American Bond, Add	*0.88*
		For English Bond, Add	*1.76*
		For Flemish Bond, Add	*3.64*
		For Stacked Bond, Add	*2.53*
		For <10, Small Area Replacements (Individual Areas), Add	*33.38*
		For Curved Wall, Add	*4.41*
		For Corbels, Add	*16.52*
		For Severe Weather (SW) Brick, Add	*0.99*
		For Glazed Brick, Add	*23.17*
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	29.74
		For Buff Or Gray, Add	*1.37*
		For Common Or American Bond, Add	*0.86*
		For English Bond, Add	*1.72*
		For Flemish Bond, Add	*3.64*
		For Stacked Bond, Add	*2.56*
		For <10, Small Area Replacements (Individual Areas), Add	*32.71*
		For Curved Wall, Add	*4.31*
		For Corbels, Add	*16.15*
		For Severe Weather (SW) Brick, Add	*1.23*
		For Glazed Brick, Add	*28.74*
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	29.52
		For Buff Or Gray, Add	*1.33*
		For Common Or American Bond, Add	*0.86*
		For English Bond, Add	*1.72*
		For Flemish Bond, Add	*3.63*
		For Stacked Bond, Add	*2.55*
		For <10, Small Area Replacements (Individual Areas), Add	*32.69*
		For Curved Wall, Add	*4.31*
		For Corbels, Add	*16.15*
		For Severe Weather (SW) Brick, Add	*1.20*
		For Glazed Brick, Add	*27.97*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)	21.88	
		For Buff Or Gray, Add	*1.14*	
		For Common Or American Bond, Add	*0.60*	
		For English Bond, Add	*1.20*	
		For Flemish Bond, Add	*2.60*	
		For Stacked Bond, Add	*1.85*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.90*	
		For Curved Wall, Add	*3.01*	
		For Corbels, Add	*11.28*	
		For Severe Weather (SW) Brick, Add	*1.03*	
		For Glazed Brick, Add	*23.94*	
04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)	19.83	
		For Buff Or Gray, Add	*0.80*	
		For Common Or American Bond, Add	*0.60*	
		For English Bond, Add	*1.20*	
		For Flemish Bond, Add	*2.50*	
		For Stacked Bond, Add	*1.74*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.80*	
		For Curved Wall, Add	*3.01*	
		For Corbels, Add	*11.28*	
		For Severe Weather (SW) Brick, Add	*0.72*	
		For Glazed Brick, Add	*16.77*	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)	30.14	
		For Buff Or Gray, Add	*1.44*	
		For Common Or American Bond, Add	*0.86*	
		For English Bond, Add	*1.72*	
		For Flemish Bond, Add	*3.66*	
		For Stacked Bond, Add	*2.58*	
		For <10, Small Area Replacements (Individual Areas), Add	*32.73*	
		For Curved Wall, Add	*4.31*	
		For Corbels, Add	*16.15*	
		For Severe Weather (SW) Brick, Add	*1.29*	
		For Glazed Brick, Add	*30.14*	
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)	31.96	
		For Buff Or Gray, Add	*1.74*	
		For Common Or American Bond, Add	*0.86*	
		For English Bond, Add	*1.72*	
		For Flemish Bond, Add	*3.75*	
		For Stacked Bond, Add	*2.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*32.82*	
		For Curved Wall, Add	*4.31*	
		For Corbels, Add	*16.15*	
		For Severe Weather (SW) Brick, Add	*1.56*	
		For Glazed Brick, Add	*36.51*	

04 21 13 00-0011 Fire Brick *(04 21 13)*

04 21 13 00-0012	SF	Running Bond, Red Fire Brick	33.77	
		For Buff Or Gray, Add	*2.04*	
		For Common Or American Bond, Add	*0.86*	
		For English Bond, Add	*1.72*	
		For Flemish Bond, Add	*3.84*	
		For Stacked Bond, Add	*2.77*	
		For <10, Small Area Replacements (Individual Areas), Add	*32.91*	

04 21 13 00-0013 Window Sill *(04 21 13)*

04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.	25.06	
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.	25.26	
		For Buff Or Gray, Add	*0.32*	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.	25.06	
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.	25.40	
		For Buff Or Gray, Add	*0.34*	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.	26.30	
		For Buff Or Gray, Add	*0.49*	
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	26.48	
		For Buff Or Gray, Add	*0.52*	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	26.48	
		For Buff Or Gray, Add	*0.52*	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	25.52	
		For Buff Or Gray, Add	*0.36*	
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	25.61	
		For Buff Or Gray, Add	*0.38*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 21 19 Clay Tile Masonry *(04 21)*

04 21 19 00-0001 Scored Face, Hollow, Clay Backing Tile *(04 21 19)*

04 21 19 00-0002 Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	26.93	
		For Smooth Face, One Side, Add	*1.72*	
		For Smooth Face, Two Sides, Add	*2.89*	
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	29.31	
		For Smooth Face, One Side, Add	*1.90*	
		For Smooth Face, Two Sides, Add	*3.22*	
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	32.95	
		For Smooth Face, One Side, Add	*2.21*	
		For Smooth Face, Two Sides, Add	*3.76*	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	45.66	
		For Smooth Face, One Side, Add	*3.42*	
		For Smooth Face, Two Sides, Add	*5.92*	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	60.28	
		For Smooth Face, One Side, Add	*4.77*	
		For Smooth Face, Two Sides, Add	*8.33*	

04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	22.51	
		For Smooth Face, One Side, Add	*1.38*	
		For Smooth Face, Two Sides, Add	*2.31*	
04 21 19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.08	
		For Smooth Face, One Side, Add	*1.80*	
		For Smooth Face, Two Sides, Add	*3.06*	
04 21 19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.77	
		For Smooth Face, One Side, Add	*1.82*	
		For Smooth Face, Two Sides, Add	*3.09*	
04 21 19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	42.87	
		For Smooth Face, One Side, Add	*3.26*	
		For Smooth Face, Two Sides, Add	*5.66*	
04 21 19 00-0013	SF	12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	58.70	
		For Smooth Face, One Side, Add	*4.72*	
		For Smooth Face, Two Sides, Add	*8.27*	

04 21 26 Glazed Structural Clay Tile Masonry *(04 21)*

Note: Includes tile and mortar in all colors.

04 21 26 00-0001 6T Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	35.25	
		For Stacked Bond, Add	*2.34*	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	39.37	
		For Stacked Bond, Add	*2.34*	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	47.91	
		For Stacked Bond, Add	*2.45*	

04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	37.05	
		For Stacked Bond, Add	*2.77*	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	43.92	
		For Stacked Bond, Add	*2.77*	

04 21 26 00-0009 8W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	27.52	
		For Stacked Bond, Add	*1.49*	
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	34.12	
		For Stacked Bond, Add	*1.60*	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	46.91	
		For Stacked Bond, Add	*1.70*	

04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	37.59	
		For Stacked Bond, Add	*1.92*	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	37.53	
		For Stacked Bond, Add	*1.92*	

04 21 26 00-0017 4W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*

04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	36.80	
		For Stacked Bond, Add	*2.34*	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	38.86	
		For Stacked Bond, Add	*2.34*	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	48.16	
		For Stacked Bond, Add	*2.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0022		**Special Shapes 4W Series Structural Glazed Clay Tile** *(04 21 26 00-0017)*		
04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	38.31	
		For Stacked Bond, Add	*2.77*	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	43.81	
		For Stacked Bond, Add	*2.77*	
04 21 26 00-0025		**6T Series Sound Absorbing Structural Glazed Tile** *(04 21 26)*		
04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	38.09	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	41.13	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	48.01	
04 21 26 00-0029		**8T Series Sound Absorbing Structural Glazed Tile** *(04 21 26)*		
04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	41.80	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	47.11	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	55.95	

04 21 29 Terra Cotta Masonry *(04 21)*

04 21 29 00-0001 Coping *(04 21 29)*

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.

04 21 29 00-0002	SF	Terra Cotta Coping	118.80	44.60
		For Smooth Tile Instead Of Scored, Add	*3.79*	
		For Reinforcing With Steel Rods, Add	*8.05*	

04 21 29 00-0003 Partition Or Back Up (Scored) *(04 21 29)*

04 21 29 00-0004 Non-load Bearing, 12" x 12" *(04 21 29 00-0003)*

04 21 29 00-0005	SF	3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	28.85	
		For Smooth Tile Instead Of Scored, Add	*3.73*	
		For Reinforcing With Steel Rods, Add	*3.52*	
04 21 29 00-0006	SF	4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	30.62	
		For Smooth Tile Instead Of Scored, Add	*3.90*	
		For Reinforcing With Steel Rods, Add	*3.70*	
04 21 29 00-0007	SF	6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	39.54	
		For Smooth Tile Instead Of Scored, Add	*5.33*	
		For Reinforcing With Steel Rods, Add	*4.94*	
04 21 29 00-0008	SF	8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	48.40	
		For Smooth Tile Instead Of Scored, Add	*6.70*	
		For Reinforcing With Steel Rods, Add	*6.14*	

04 21 29 00-0009 Load Bearing, 12" x 12" *(04 21 29 00-0003)*

04 21 29 00-0010 In Walls *(04 21 29 00-0009)*

04 21 29 00-0011	SF	4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	32.53	
		For Smooth Tile Instead Of Scored, Add	*4.25*	
		For Reinforcing With Steel Rods, Add	*3.99*	
04 21 29 00-0012	SF	6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	43.88	
		For Smooth Tile Instead Of Scored, Add	*6.11*	
		For Reinforcing With Steel Rods, Add	*5.59*	
04 21 29 00-0013	SF	8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	52.63	
		For Smooth Tile Instead Of Scored, Add	*7.46*	
		For Reinforcing With Steel Rods, Add	*6.78*	
04 21 29 00-0014	SF	10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	55.17	
		For Smooth Tile Instead Of Scored, Add	*7.63*	
		For Reinforcing With Steel Rods, Add	*7.00*	
04 21 29 00-0015	SF	12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	66.29	
		For Smooth Tile Instead Of Scored, Add	*9.25*	
		For Reinforcing With Steel Rods, Add	*8.45*	

04 21 29 00-0016 In Floors *(04 21 29 00-0009)*

04 21 29 00-0017	SF	4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	29.55	
		For Smooth Tile Instead Of Scored, Add	*4.25*	
		For Reinforcing With Steel Rods, Add	*3.84*	
04 21 29 00-0018	SF	6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	40.57	
		For Smooth Tile Instead Of Scored, Add	*6.11*	
		For Reinforcing With Steel Rods, Add	*5.42*	
04 21 29 00-0019	SF	8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	49.23	
		For Smooth Tile Instead Of Scored, Add	*7.46*	
		For Reinforcing With Steel Rods, Add	*6.61*	
04 21 29 00-0020	SF	10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	51.35	
		For Smooth Tile Instead Of Scored, Add	*7.63*	
		For Reinforcing With Steel Rods, Add	*6.81*	
04 21 29 00-0021	SF	12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	61.33	
		For Smooth Tile Instead Of Scored, Add	*9.25*	
		For Reinforcing With Steel Rods, Add	*8.21*	

04 22 Concrete Unit Masonry *(04 20)*

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23		**Architectural Concrete Unit Masonry** *(04 22)*		
04 22 23 13		**Exposed Aggregate Concrete Unit Masonry** *(04 22 23)*		
04 22 23 13-0001		Concrete Blocks *(04 22 23 13)*		
04 22 23 13-0002		Lightweight Concrete Blocks *(04 22 23 13-0001)*		
04 22 23 13-0003		Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*		
04 22 23 13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block	13.71	
		For Stacked Bond, Add	*2.94*	
		For Scored Block, Add	*0.48*	
		For Curved Wall Application, Add	*2.26*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.15*	
04 22 23 13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block	15.29	
		For Stacked Bond, Add	*3.18*	
		For Scored Block, Add	*0.61*	
		For Curved Wall Application, Add	*2.45*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.59*	
04 22 23 13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block	16.57	
		For Stacked Bond, Add	*3.42*	
		For Scored Block, Add	*0.69*	
		For Curved Wall Application, Add	*2.63*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.97*	
04 22 23 13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block	18.33	
		For Stacked Bond, Add	*3.58*	
		For Scored Block, Add	*0.92*	
		For Curved Wall Application, Add	*2.75*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.97*	
04 22 23 13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block	21.67	
		For Stacked Bond, Add	*4.36*	
		For Scored Block, Add	*0.98*	
		For Curved Wall Application, Add	*3.35*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.49*	
04 22 23 13-0009		Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*		
04 22 23 13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block	14.81	
		For Stacked Bond, Add	*3.02*	
		For Scored Block, Add	*0.64*	
		For Curved Wall Application, Add	*2.32*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.66*	
04 22 23 13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block	16.23	
		For Stacked Bond, Add	*3.32*	
		For Scored Block, Add	*0.69*	
		For Curved Wall Application, Add	*2.55*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.40*	
04 22 23 13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block	17.13	
		For Stacked Bond, Add	*3.52*	
		For Scored Block, Add	*0.72*	
		For Curved Wall Application, Add	*2.71*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.58*	
04 22 23 13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block	19.14	
		For Stacked Bond, Add	*3.69*	
		For Scored Block, Add	*0.99*	
		For Curved Wall Application, Add	*2.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.64*	
04 22 23 13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block	22.61	
		For Stacked Bond, Add	*4.50*	
		For Scored Block, Add	*1.06*	
		For Curved Wall Application, Add	*3.46*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.36*	
04 22 23 13-0015		Normal Weight Concrete Blocks *(04 22 23 13-0001)*		
04 22 23 13-0016		Cored, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*		
04 22 23 13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block	14.01	
		For Stacked Bond, Add	*3.02*	
		For Scored Block, Add	*0.48*	
		For Curved Wall Application, Add	*2.32*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.60*	
		For 3,500 PSI, Add	*0.50*	
		For 5,000 PSI, Add	*0.86*	
04 22 23 13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block	15.51	
		For Stacked Bond, Add	*3.32*	
		For Scored Block, Add	*0.55*	
		For Curved Wall Application, Add	*2.55*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.35*	
		For 3,500 PSI, Add	*0.58*	
		For 5,000 PSI, Add	*0.99*	
04 22 23 13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block	16.71	
		For Stacked Bond, Add	*3.52*	
		For Scored Block, Add	*0.63*	
		For Curved Wall Application, Add	*2.71*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.55*	
		For 3,500 PSI, Add	*0.67*	
		For 5,000 PSI, Add	*1.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block	20.28	
		For Stacked Bond, Add	*3.69*	
		For Scored Block, Add	*1.22*	
		For Curved Wall Application, Add	*2.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.73*	
		For 3,500 PSI, Add	*1.28*	
		For 5,000 PSI, Add	*2.20*	
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block	23.60	
		For Stacked Bond, Add	*4.50*	
		For Scored Block, Add	*1.26*	
		For Curved Wall Application, Add	*3.46*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.44*	
		For 3,500 PSI, Add	*1.32*	
		For 5,000 PSI, Add	*2.26*	

04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block	14.96	
		For Stacked Bond, Add	*3.10*	
		For Scored Block, Add	*0.61*	
		For Curved Wall Application, Add	*2.38*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.09*	
		For 3,500 PSI, Add	*0.64*	
		For 5,000 PSI, Add	*1.10*	
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block	15.96	
		For Stacked Bond, Add	*3.42*	
		For Scored Block, Add	*0.56*	
		For Curved Wall Application, Add	*2.63*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.92*	
		For 3,500 PSI, Add	*0.59*	
		For 5,000 PSI, Add	*1.02*	
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block	17.24	
		For Stacked Bond, Add	*3.63*	
		For Scored Block, Add	*0.66*	
		For Curved Wall Application, Add	*2.79*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.19*	
		For 3,500 PSI, Add	*0.69*	
		For 5,000 PSI, Add	*1.18*	
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block	19.04	
		For Stacked Bond, Add	*3.81*	
		For Scored Block, Add	*0.88*	
		For Curved Wall Application, Add	*2.93*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.30*	
		For 3,500 PSI, Add	*0.92*	
		For 5,000 PSI, Add	*1.58*	
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block	22.49	
		For Stacked Bond, Add	*4.66*	
		For Scored Block, Add	*0.92*	
		For Curved Wall Application, Add	*3.58*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.21*	
		For 3,500 PSI, Add	*0.96*	
		For 5,000 PSI, Add	*1.65*	

04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*

04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	16.00	
		For Stacked Bond, Add	*3.18*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.88*	
		For Scored Block, Add	*0.75*	
		For Curved Wall Application, Add	*2.45*	
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	17.69	
		For Stacked Bond, Add	*3.42*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.12*	
		For Scored Block, Add	*0.91*	
		For Curved Wall Application, Add	*2.63*	
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	21.59	
		For Stacked Bond, Add	*4.36*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.22*	
		For Scored Block, Add	*0.97*	
		For Curved Wall Application, Add	*3.35*	

04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	15.98	
		For Stacked Bond, Add	*3.32*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.60*	
		For Scored Block, Add	*0.64*	
		For Curved Wall Application, Add	*2.55*	
		For 3,500 PSI, Add	*0.68*	
		For 5,000 PSI, Add	*1.16*	
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	17.55	
		For Stacked Bond, Add	*3.52*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.78*	
		For Scored Block, Add	*0.80*	
		For Curved Wall Application, Add	*2.71*	
		For 3,500 PSI, Add	*0.84*	
		For 5,000 PSI, Add	*1.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	21.61	
		For Stacked Bond, Add	*4.50*	
		For Grout And Fill With 2 #5 Rebar, Add	*12.96*	
		For Scored Block, Add	*0.86*	
		For Curved Wall Application, Add	*3.46*	
		For 3,500 PSI, Add	*0.90*	
		For 5,000 PSI, Add	*1.55*	

04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	18.03	
		For Stacked Bond, Add	*3.69*	
		For Scored Block, Add	*0.77*	
		For Curved Wall Application, Add	*2.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.56*	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	20.35	
		For Stacked Bond, Add	*4.15*	
		For Scored Block, Add	*0.88*	
		For Curved Wall Application, Add	*3.19*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.27*	
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	22.05	
		For Stacked Bond, Add	*4.38*	
		For Scored Block, Add	*1.04*	
		For Curved Wall Application, Add	*3.37*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.68*	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	23.59	
		For Stacked Bond, Add	*4.65*	
		For Scored Block, Add	*1.14*	
		For Curved Wall Application, Add	*3.57*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.23*	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	27.89	
		For Stacked Bond, Add	*5.62*	
		For Scored Block, Add	*1.25*	
		For Curved Wall Application, Add	*4.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*32.91*	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

04 22 23 26-0001 Slotted, Acoustical Concrete Block *(04 22 23 26)*

04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	24.82	
		For Stacked Bond, Add	*3.69*	
		For Curved Wall Application, Add	*2.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.07*	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	27.88	
		For Stacked Bond, Add	*4.01*	
		For Curved Wall Application, Add	*3.08*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.05*	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	32.23	
		For Stacked Bond, Add	*4.38*	
		For Curved Wall Application, Add	*3.37*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.44*	

04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

04 22 23 29-0001 Split Face, Concrete Blocks *(04 22 23 29)*

04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	18.49	
		For Stacked Bond, Add	*3.69*	
		For Curved Wall Application, Add	*2.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.59*	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	20.88	
		For Stacked Bond, Add	*4.15*	
		For Curved Wall Application, Add	*3.19*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.31*	
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	22.66	
		For Stacked Bond, Add	*4.38*	
		For Curved Wall Application, Add	*3.37*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.73*	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	24.32	
		For Stacked Bond, Add	*4.65*	
		For Curved Wall Application, Add	*3.57*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.29*	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	28.31	
		For Stacked Bond, Add	*5.62*	
		For Curved Wall Application, Add	*4.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*32.95*	

04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	19.57	
		For Stacked Bond, Add	*3.69*	
		For Grout And Fill With 2 #5 Rebar, Add	*12.48*	
		For Curved Wall Application, Add	*2.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.67*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	22.11	
		For Stacked Bond, Add	*4.15*	
		For Grout And Fill With 2 #5 Rebar, Add	*14.13*	
		For Curved Wall Application, Add	*3.19*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.40*	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	24.11	
		For Stacked Bond, Add	*4.38*	
		For Grout And Fill With 2 #5 Rebar, Add	*15.68*	
		For Curved Wall Application, Add	*3.37*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.83*	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	25.93	
		For Stacked Bond, Add	*4.65*	
		For Grout And Fill With 2 #5 Rebar, Add	*17.00*	
		For Curved Wall Application, Add	*3.57*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.41*	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	29.99	
		For Stacked Bond, Add	*5.62*	
		For Grout And Fill With 2 #5 Rebar, Add	*19.18*	
		For Curved Wall Application, Add	*4.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.07*	

04 22 23 29-0014 Split Rib, Concrete Block *(04 22 23 29)*

04 22 23 29-0015 Split Rib, Concrete Block *(04 22 23 29-0014)*

04 22 23 29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block	18.15	
		For Stacked Bond, Add	*3.69*	
		For Curved Wall Application, Add	*2.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.57*	
04 22 23 29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block	21.68	
		For Stacked Bond, Add	*4.15*	
		For Curved Wall Application, Add	*3.19*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.37*	
04 22 23 29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block	23.08	
		For Stacked Bond, Add	*4.38*	
		For Curved Wall Application, Add	*3.37*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.76*	
04 22 23 29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block	24.66	
		For Stacked Bond, Add	*4.65*	
		For Curved Wall Application, Add	*3.57*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.31*	
04 22 23 29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block	29.07	
		For Stacked Bond, Add	*5.62*	
		For Curved Wall Application, Add	*4.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.00*	

04 22 23 31 Glazed Concrete Masonry Unit *(04 22 23)*

04 22 23 31-0001 One Glazed Face, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0002 One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*

04 22 23 31-0003	SF	4" x 8" x 16", One Glazed Face, Concrete Block	32.82	
		For Stacked Bond, Add	*3.58*	
		For Curved Wall Application, Add	*2.75*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.06*	
04 22 23 31-0004	SF	6" x 8" x 16", One Glazed Face, Concrete Block	35.10	
		For Stacked Bond, Add	*3.94*	
		For Curved Wall Application, Add	*3.03*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.21*	
04 22 23 31-0005	SF	8" x 8" x 16", One Glazed Face, Concrete Block	37.19	
		For Stacked Bond, Add	*4.15*	
		For Curved Wall Application, Add	*3.19*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.53*	
04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	39.39	
		For Stacked Bond, Add	*4.38*	
		For Curved Wall Application, Add	*3.37*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.98*	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	44.00	
		For Stacked Bond, Add	*5.30*	
		For Curved Wall Application, Add	*4.07*	
		For <10, Small Area Replacements (Individual Areas), Add	*32.33*	

04 22 23 31-0008 Two Glazed Faces, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0009 Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*

04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	44.00	
		For Stacked Bond, Add	*4.08*	
		For Curved Wall Application, Add	*3.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.64*	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	46.11	
		For Stacked Bond, Add	*4.38*	
		For Curved Wall Application, Add	*3.37*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.48*	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	49.14	
		For Stacked Bond, Add	*4.84*	
		For Curved Wall Application, Add	*3.72*	
		For <10, Small Area Replacements (Individual Areas), Add	*30.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 23 Glass Unit Masonry *(04 20)*

04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	94.83	
		For Solar Reflective (Suntrol) Blocks, Add	*20.53*	
		For Essex (Horizontal Striated) Blocks, Add	*11.73*	
		For Sculptured Or Patterned Blocks, Add	*20.53*	
		For Colored Glass, Add	*58.67*	
		For Thinline Block, Deduct	*-14.67*	
		For >1,000 To 5,000, Deduct	*-6.53*	
		For >5,000, Deduct	*-11.27*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	68.12	
		For Solar Reflective (Suntrol) Blocks, Add	*14.54*	
		For Essex (Horizontal Striated) Blocks, Add	*8.31*	
		For Sculptured Or Patterned Blocks, Add	*14.54*	
		For Colored Glass, Add	*41.53*	
		For Thinline Block, Deduct	*-10.38*	
		For >1,000 To 5,000, Deduct	*-4.72*	
		For >5,000, Deduct	*-8.13*	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	77.52	
		For Solar Reflective (Suntrol) Blocks, Add	*18.57*	
		For Essex (Horizontal Striated) Blocks, Add	*10.61*	
		For Sculptured Or Patterned Blocks, Add	*18.57*	
		For Colored Glass, Add	*53.06*	
		For Thinline Block, Deduct	*-13.27*	
		For >1,000 To 5,000, Deduct	*-5.09*	
		For >5,000, Deduct	*-8.96*	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	972.77	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	735.58	
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	501.22	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	350.58	

04 40 Stone Assemblies *(04)*

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone *(04 40)*

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone *(04 41)*

04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	28.57	8.78
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	29.04	8.78

04 42 Exterior Stone Cladding *(04 40)*

04 42 43 Stone Panels for Curtain Walls *(04 42)*

04 42 43 00-0001 Marble Facing Panels *(04 42 43)*

Note: 3' x 1.5'

04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	64.10	18.88
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	67.04	19.12
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	75.65	19.49
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	82.18	20.10
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	87.51	21.32
04 42 43 00-0007	CF	Marble Face Panel	354.27	69.44

04 42 43 00-0008 Smooth Limestone Panels *(04 42 43)*

Note: Up to 12' x 5' panels.

04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	63.60	37.89
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	67.37	39.71
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	71.31	41.54
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	82.15	45.69

04 42 43 00-0013 Sandstone Panels *(04 42 43)*

04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	72.22	39.71
04 42 43 00-0015	SF	4" Thick Sandstone Panels	79.69	45.69
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	73.93	45.69

04 43 Stone Masonry *(04 40)*

04 43 16 Stone Fabrications *(04 43)*

04 43 16 00-0001 Marble *(04 43 16)*

04 43 16 00-0002 Marble Base *(04 43 16 00-0001)*

Note: 1" thick.

04 43 16 00-0003	LF	4" High Marble Base	113.74	76.55
04 43 16 00-0004	LF	6" High Marble Base	127.32	83.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0005		**Marble Columns** *(04 43 16 00-0001)*		
04 43 16 00-0006	CF	Plain Faced Solid Marble Columns	259.78	69.44
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns	398.61	69.44
04 43 16 00-0008		**Marble Flooring** *(04 43 16 00-0001)*		
04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring	29.94	17.53
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring	31.48	17.53
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring	37.25	20.02
04 43 16 00-0012		**Marble Items** *(04 43 16 00-0001)*		
04 43 16 00-0013	LF	12" Wide Marble Stair Treads	70.45	27.87
04 43 16 00-0014	LF	6" Wide Marble Stair Risers	54.20	22.34
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills	33.87	16.39
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished	59.93	20.12
04 43 16 00-0017	SF	7/8" Thick, Non-Skid, Marble Patio Blocks	40.99	25.41
04 43 16 00-0018		**Limestone** *(04 43 16)*		
04 43 16 00-0019		**Ashlar Veneer Limestone** *(04 43 16 00-0018)*		
04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes	63.05	27.87
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	94.90	38.29
04 43 16 00-0022		**Limestone Items** *(04 43 16 00-0018)*		
04 43 16 00-0023	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	193.19	93.34
04 43 16 00-0024		**Limestone Coping** *(04 43 16 00-0018)*		
		Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0025	SF	2-1/2" Thick Limestone Coping	30.60	9.75
04 43 16 00-0026	SF	3" Thick Limestone Coping	34.04	10.35
04 43 16 00-0027	SF	3-1/2" Thick Limestone Coping	37.48	10.96
04 43 16 00-0028	SF	4" Thick Limestone Coping	39.70	11.33
04 43 16 00-0029	SF	5" Thick Limestone Coping	45.35	11.57
04 43 16 00-0030	SF	6" Thick Limestone Coping	64.08	12.18
04 43 16 00-0031	CF	>6" Thick Limestone Coping	105.80	24.89
04 43 16 00-0032		**Limestone Stair Treads** *(04 43 16 00-0018)*		
04 43 16 00-0033	SF	2" Thick Limestone Treads	37.52	9.14
04 43 16 00-0034	SF	2-1/2" Thick Limestone Treads	39.79	9.75
04 43 16 00-0035	SF	3" Thick Limestone Treads	44.33	10.35
04 43 16 00-0036	SF	3-1/2" Thick Limestone Treads	47.66	10.96
04 43 16 00-0037	SF	4" Thick Limestone Treads	51.00	10.96
04 43 16 00-0038	SF	5" Thick Limestone Treads	55.21	11.57
04 43 16 00-0039	SF	6" Thick Limestone Tread, Smooth Finish	74.28	12.18
04 43 16 00-0040		**Granite** *(04 43 16)*		
04 43 16 00-0041		**Polished Granite Veneer Facing Panels** *(04 43 16 00-0040)*		
		Note: Excludes structural support steel.		
04 43 16 00-0042	SF	7/8" Thick Black Polished Granite Veneer Facing Panels	123.89	38.14
04 43 16 00-0043	SF	7/8" Thick Gray Polished Granite Veneer Facing Panels	112.33	38.14
04 43 16 00-0044		**Granite Stair Treads** *(04 43 16 00-0040)*		
04 43 16 00-0045	SF	2" Thick Granite Stair Tread	72.65	9.14
04 43 16 00-0046		**Slate** *(04 43 16)*		
04 43 16 00-0047		**Slate Panels Or Sills** *(04 43 16 00-0046)*		
04 43 16 00-0048	SF	1" Thick Slate Panels	65.41	38.14
04 43 16 00-0049	SF	2" Thick Slate Panels	74.88	38.14
04 43 16 00-0050		**Slate Sills Or Stools** *(04 43 16 00-0046)*		
04 43 16 00-0051	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	29.72	16.49
04 43 16 00-0052	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	35.74	16.49
04 43 16 00-0053	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	34.89	16.49
04 43 16 00-0054	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	47.81	16.49
04 43 16 00-0055		**Slate Stair Treads** *(04 43 16 00-0046)*		
04 43 16 00-0056	SF	2" Thick Slate Stair Tread	43.37	9.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 70 Manufactured Masonry *(04)*

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001 Precast Concrete Lintels *(04 72)*

04 72 00 00-0002 Solid Precast Concrete Lintels *(04 72 00 00-0001)*

04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	18.80	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	23.95	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	29.58	

04 72 00 00-0006 U Shaped Precast Concrete Lintels *(04 72 00 00-0001)*

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	20.16	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	24.44	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	40.11	

04 72 00 00-0010 Precast Concrete Coping *(04 72)*

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.

04 72 00 00-0011 Precast Concrete Coping *(04 72 00 00-0010)*

Note: Measured at highest point.

04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	59.51	13.49
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	67.17	14.52
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	77.62	15.55
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	83.57	16.60
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	89.58	17.63
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	106.59	18.67
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	121.68	19.71

04 72 00 00-0019 Precast Concrete Window Sills *(04 72)*

Note: Includes caulk and ties.

04 72 00 00-0020 Precast Concrete Window Sills *(04 72 00 00-0019)*

04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	43.64	10.37
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	65.63	10.37
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	77.59	10.37

END OF SECTION 04

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MINOR CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

05 Metals

05 01 Maintenance of Metals *(05)*

05 01 50 Maintenance of Metal Fabrications *(05 01)*

05 01 50 51 Cleaning of Metal Fabrications *(05 01 50)*
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 50 61 Repair of Metal Fabrications *(05 01 50)*
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.

05 01 50 63 Refinishing of Metal Fabrications *(05 01 50)*
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 01 70 Maintenance of Decorative Metal *(05 01)*

05 01 70 51 Cleaning of Decorative Metal *(05 01 70)*
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 70 61 Repair of Decorative Metal *(05 01 70)*
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.

05 01 70 63 Refinishing of Decorative Metal *(05 01 70)*
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 05 Common Work Results for Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*
Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*
Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.11	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.71*	
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.23	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.72*	
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.66	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.79*	
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.31	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.40	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.31*	
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.43	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.31*	
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.77	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.33*	
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.02	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.72*	
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.09	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.72*	
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.23	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.73*	
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.60	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.75*	
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.12	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.36	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-2.95*	
		For >100, Deduct	*-5.90*	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.47	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-2.95*	
		For >100, Deduct	*-5.90*	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.71	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-2.96*	
		For >100, Deduct	*-5.92*	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.17	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-2.97*	
		For >100, Deduct	*-5.94*	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.63	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-2.98*	
		For >100, Deduct	*-5.96*	
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.28	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.07*	
		For >100, Deduct	*-6.14*	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.40	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-6.30*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.01	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.52*	
		For >100, Deduct	*-7.04*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.11	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.52*	
		For >100, Deduct	*-7.05*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.66	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.54*	
		For >100, Deduct	*-7.08*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.33	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.55*	
		For >100, Deduct	*-7.11*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.10	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.57*	
		For >100, Deduct	*-7.15*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	44.03	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.65*	
		For >100, Deduct	*-7.30*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	47.92	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.75*	
		For >100, Deduct	*-7.49*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	52.30	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.85*	
		For >100, Deduct	*-7.71*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	51.31	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.05*	
		For >100, Deduct	*-8.09*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	53.61	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.10*	
		For >100, Deduct	*-8.21*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	56.67	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.18*	
		For >100, Deduct	*-8.36*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	63.77	
		For >10 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-5.17*	
		For >100, Deduct	*-10.34*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	68.11	
		For >10 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-5.28*	
		For >100, Deduct	*-10.56*	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	72.42	
		For >10 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-5.39*	
		For >100, Deduct	*-10.77*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	82.94	
		For >10 To 50, Deduct	*-3.05*	
		For >50 To 100, Deduct	*-6.65*	
		For >100, Deduct	*-13.30*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	86.04	
		For >10 To 50, Deduct	*-3.05*	
		For >50 To 100, Deduct	*-6.73*	
		For >100, Deduct	*-13.46*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	15.24	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.77*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	15.67	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.79*	
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	16.29	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.87*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	19.40	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.41*	
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	19.77	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.43*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	20.04	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	22.07	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	29.70	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.95*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	30.40	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.99*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	30.80	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.01*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	32.65	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.55*	
		For >100, Deduct	*-5.10*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	35.44	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.62*	
		For >100, Deduct	*-5.24*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	41.86	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.19*	
		For >100, Deduct	*-6.37*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	43.67	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.23*	
		For >100, Deduct	*-6.46*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	45.63	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.28*	
		For >100, Deduct	*-6.56*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	48.23	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.35*	
		For >100, Deduct	*-6.69*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	59.65	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.63*	
		For >100, Deduct	*-7.26*	
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	49.96	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.80*	
		For >100, Deduct	*-7.59*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	53.63	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.89*	
		For >100, Deduct	*-7.77*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	56.77	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.97*	
		For >100, Deduct	*-7.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	57.16	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.98*	
		For >100, Deduct	*-7.95*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	60.11	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-4.05*	
		For >100, Deduct	*-8.10*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	67.77	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-4.24*	
		For >100, Deduct	*-8.48*	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	78.56	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-4.51*	
		For >100, Deduct	*-9.02*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	79.45	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.75*	
		For >100, Deduct	*-9.50*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	114.50	
		For >10 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-6.44*	
		For >100, Deduct	*-12.88*	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	130.46	
		For >10 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-6.84*	
		For >100, Deduct	*-13.68*	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	15.61	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.79*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	16.46	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	20.61	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.47*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.25	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.50*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.42	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.51*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	24.48	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.66*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	32.63	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.55*	
		For >100, Deduct	*-5.10*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	34.40	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-5.19*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	37.63	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.35*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	38.43	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.69*	
		For >100, Deduct	*-5.39*	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	51.76	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.43*	
		For >100, Deduct	*-6.87*	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	52.73	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.46*	
		For >100, Deduct	*-6.92*	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	63.80	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-4.14*	
		For >100, Deduct	*-8.28*	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	67.83	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-4.24*	
		For >100, Deduct	*-8.48*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0083		**Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt** *(05 05 19 00-0003)*		
		Note: Includes nut and washer.		
05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.02	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.43*	
		For >100, Deduct	*-4.87*	
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	29.32	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.47*	
		For >100, Deduct	*-4.93*	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.60	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.00*	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	31.26	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.52*	
		For >100, Deduct	*-5.03*	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	37.83	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.17*	
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	36.28	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.05*	
		For >100, Deduct	*-6.09*	
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	48.43	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.76*	
		For >100, Deduct	*-7.51*	
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	49.85	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.79*	
		For >100, Deduct	*-7.59*	
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	56.85	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.97*	
		For >100, Deduct	*-7.94*	
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	62.58	
		For >10 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-5.14*	
		For >100, Deduct	*-10.28*	
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	66.61	
		For >10 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-5.24*	
		For >100, Deduct	*-10.48*	
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	70.59	
		For >10 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-5.34*	
		For >100, Deduct	*-10.68*	
05 05 19 00-0096		**Concrete Sleeve Anchors** *(05 05 19 00-0002)*		
05 05 19 00-0097		**Zinc Plated Steel, Concrete Sleeve Anchors** *(05 05 19 00-0096)*		
		Note: Includes nut and washer.		
05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.20	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.76*	
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.37	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.77*	
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.57	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.78*	
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.96	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.11	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.96	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.29*	
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.24	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.51	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.31*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.38	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.68*	
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.73	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.35*	
		For >100, Deduct	*-4.70*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.04	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.71*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.40	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.73*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	30.53	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.80*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.06	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-2.92*	
		For >100, Deduct	*-5.83*	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.47	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-5.85*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.61	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-2.95*	
		For >100, Deduct	*-5.91*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	37.30	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.48*	
		For >100, Deduct	*-6.96*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.29	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.50*	
		For >100, Deduct	*-7.01*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.19	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.53*	
		For >100, Deduct	*-7.05*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	40.61	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.56*	
		For >100, Deduct	*-7.12*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	15.98	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.85*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	20.58	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.47*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	22.30	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.55*	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	30.43	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.98*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	33.53	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.57*	
		For >100, Deduct	*-5.14*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	45.33	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.27*	
		For >100, Deduct	*-6.54*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.01	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.80*	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	15.29	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.96	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.95*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.12	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.01*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	18.22	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.35*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	19.09	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.39*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	19.76	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.43*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	26.53	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.79*	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	27.05	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.81*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	28.57	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.45*	
		For >100, Deduct	*-4.89*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	30.54	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.99*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	35.10	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.02*	
		For >100, Deduct	*-6.03*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	36.92	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.12*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	38.52	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.10*	
		For >100, Deduct	*-6.20*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	44.89	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.67*	
		For >100, Deduct	*-7.34*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	46.59	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.71*	
		For >100, Deduct	*-7.42*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.73	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.92*	
		For >100, Deduct	*-3.84*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	24.13	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.68*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	29.36	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-2.78*	
		For >100, Deduct	*-5.57*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	33.22	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.08*	
		For >100, Deduct	*-6.16*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	39.65	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-3.55*	
		For >100, Deduct	*-7.11*	

05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	23.36	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	30.97	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.03*	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	38.39	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-3.01*	
		For >100, Deduct	*-6.02*	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	47.76	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.45*	
		For >100, Deduct	*-6.89*	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	64.65	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-4.18*	
		For >100, Deduct	*-8.36*	

05 05 19 00-0155 Single Bolt Expansion Anchors *(05 05 19 00-0002)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	14.45	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.77*	
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.42	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	17.45	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.31*	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	25.40	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.73*	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	34.88	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.01*	
		For >100, Deduct	*-6.02*	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	42.04	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.60*	
		For >100, Deduct	*-7.19*	

05 05 19 00-0162 Concrete Lag Shield Anchors *(05 05 19 00-0002)*

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	14.53	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.78*	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	17.30	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	18.00	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.34*	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	25.37	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.73*	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	33.79	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-2.98*	
		For >100, Deduct	*-5.97*	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	38.11	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.50*	
		For >100, Deduct	*-7.00*	

05 05 19 00-0169 Chemical And Adhesive Anchors *(05 05 19 00-0001)*

05 05 19 00-0170 Chemically Adhered Anchor Rods *(05 05 19 00-0169)*

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	18.25	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.17*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	21.09	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	26.18	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.19*	
		For >100, Deduct	*-4.38*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	30.59	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-4.99*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	32.31	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.08*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	39.98	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-6.28*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	51.70	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.84*	
		For >100, Deduct	*-7.68*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	61.01	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.28*	
		For >100, Deduct	*-8.56*	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	83.18	
		For >10 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-5.66*	
		For >100, Deduct	*-11.31*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	118.76	
		For >10 To 50, Deduct	*-3.01*	
		For >50 To 100, Deduct	*-7.48*	
		For >100, Deduct	*-14.95*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger that the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	15.43	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.03*	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	16.90	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.31*	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	19.78	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-1.93*	
		For >100, Deduct	*-3.86*	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	24.02	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-4.66*	
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	27.00	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.53*	
		For >100, Deduct	*-5.06*	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	34.31	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.27*	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	37.82	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.38*	
		For >100, Deduct	*-6.77*	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	47.18	
		For >10 To 50, Deduct	*-1.96*	
		For >50 To 100, Deduct	*-4.12*	
		For >100, Deduct	*-8.24*	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	52.30	
		For >10 To 50, Deduct	*-2.12*	
		For >50 To 100, Deduct	*-4.49*	
		For >100, Deduct	*-8.99*	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	60.84	
		For >10 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-5.13*	
		For >100, Deduct	*-10.26*	
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	68.40	
		For >10 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-5.64*	
		For >100, Deduct	*-11.29*	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	78.35	
		For >10 To 50, Deduct	*-2.86*	
		For >50 To 100, Deduct	*-6.24*	
		For >100, Deduct	*-12.48*	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	98.95	
		For >10 To 50, Deduct	*-3.35*	
		For >50 To 100, Deduct	*-7.50*	
		For >100, Deduct	*-15.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	144.75	
		For >10 To 50, Deduct	*-4.05*	
		For >50 To 100, Deduct	*-9.69*	
		For >100, Deduct	*-19.39*	

05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod *(05 05 19 00-0169)*

05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	5.23	
		For >10 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.51*	
		For >100, Deduct	*-1.02*	

05 05 19 00-0198 Other Concrete And Masonry Anchors *(05 05 19 00-0001)*

05 05 19 00-0199 Tapcon Masonry Screws *(05 05 19 00-0198)*

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw	13.98	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.75*	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw	14.06	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.75*	
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw	14.25	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.76*	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw	14.08	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.75*	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw	14.18	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.76*	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw	14.40	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.77*	

05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	15.56	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.83*	
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	16.25	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	16.43	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.87*	
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	16.76	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	17.05	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	17.64	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.93*	
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	18.37	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.97*	
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	19.05	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	20.94	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.10*	
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	21.17	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.11*	
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	22.32	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.17*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	23.51	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	24.27	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	23.93	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.25*	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	25.03	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	27.60	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.43*	

05 05 19 00-0223 Pin Bolt Drives *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive	8.68	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.66*	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive	8.68	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.66*	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive	8.74	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.67*	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive	8.76	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.67*	

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors *(05 05 19 00-0198)*

05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	2.14	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.19*	
		For >100, Deduct	*-0.38*	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	2.26	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.40*	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.45	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.43*	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	2.71	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.23*	
		For >100, Deduct	*-0.46*	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	2.84	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.47*	

05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0198)*

05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	2.51	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.41*	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	3.38	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.26*	
		For >100, Deduct	*-0.52*	

05 05 21 Fastening Methods for Metal *(05 05)*

05 05 21 00-0001 Welding *(05 05 21)*

05 05 21 00-0002 Minimum Charge For Welding *(05 05 21 00-0001)*

05 05 21 00-0003	EA	Welding Minimum Charge Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	517.05

05 05 21 00-0004 Spot Welding *(05 05 21 00-0001)*

See CSI section 05 05 21 00-0007 for a series of welds.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0005	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	12.89	
		For Aluminum Welding, Add	*2.04*	
		For Stainless Steel Welding, Add	*3.36*	
05 05 21 00-0006	EA	>15 Spot Weldings, Welds Up To 1" Length Each	10.07	
		For Aluminum Welding, Add	*1.62*	
		For Stainless Steel Welding, Add	*2.65*	

05 05 21 00-0007 Field Welding (Seam And Stitch Welding) *(05 05 21 00-0001)*

05 05 21 00-0008 Vertical Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0009	LF	1/8" Vertical Fillet Weld	8.42	
		For Aluminum Welding, Add	*1.81*	
		For Stainless Steel Welding, Add	*2.79*	
		For Up To 25, Add	*2.72*	
		For >25 To 50, Add	*1.92*	
05 05 21 00-0010	LF	3/16" Vertical Fillet Weld	16.15	
		For Aluminum Welding, Add	*3.10*	
		For Stainless Steel Welding, Add	*4.89*	
		For Up To 25, Add	*5.37*	
		For >25 To 50, Add	*3.81*	
05 05 21 00-0011	LF	1/4" Vertical Fillet Weld	24.25	
		For Aluminum Welding, Add	*4.67*	
		For Stainless Steel Welding, Add	*7.35*	
		For Up To 25, Add	*8.06*	
		For >25 To 50, Add	*5.72*	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld	32.00	
		For Aluminum Welding, Add	*6.19*	
		For Stainless Steel Welding, Add	*9.74*	
		For Up To 25, Add	*10.62*	
		For >25 To 50, Add	*7.54*	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld	40.39	
		For Aluminum Welding, Add	*7.77*	
		For Stainless Steel Welding, Add	*12.24*	
		For Up To 25, Add	*13.42*	
		For >25 To 50, Add	*9.53*	
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld	46.72	
		For Aluminum Welding, Add	*8.36*	
		For Stainless Steel Welding, Add	*13.38*	
		For Up To 25, Add	*15.79*	
		For >25 To 50, Add	*11.23*	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld	55.24	
		For Aluminum Welding, Add	*10.67*	
		For Stainless Steel Welding, Add	*16.80*	
		For Up To 25, Add	*18.34*	
		For >25 To 50, Add	*13.01*	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld	64.33	
		For Aluminum Welding, Add	*11.79*	
		For Stainless Steel Welding, Add	*18.76*	
		For Up To 25, Add	*21.62*	
		For >25 To 50, Add	*15.37*	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld	74.61	
		For Aluminum Welding, Add	*13.72*	
		For Stainless Steel Welding, Add	*21.82*	
		For Up To 25, Add	*25.06*	
		For >25 To 50, Add	*17.81*	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld	101.10	
		For Aluminum Welding, Add	*19.52*	
		For Stainless Steel Welding, Add	*30.71*	
		For Up To 25, Add	*33.57*	
		For >25 To 50, Add	*23.83*	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld	148.86	
		For Aluminum Welding, Add	*27.18*	
		For Stainless Steel Welding, Add	*43.28*	
		For Up To 25, Add	*50.08*	
		For >25 To 50, Add	*35.60*	
05 05 21 00-0020	LF	1" Vertical Fillet Weld	201.25	
		For Aluminum Welding, Add	*38.32*	
		For Stainless Steel Welding, Add	*60.48*	
		For Up To 25, Add	*67.05*	
		For >25 To 50, Add	*47.60*	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld	7.13	
		For Aluminum Welding, Add	*1.62*	
		For Stainless Steel Welding, Add	*2.47*	
		For Up To 25, Add	*2.27*	
		For >25 To 50, Add	*1.60*	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld	13.74	
		For Aluminum Welding, Add	*2.78*	
		For Stainless Steel Welding, Add	*4.33*	
		For Up To 25, Add	*4.51*	
		For >25 To 50, Add	*3.20*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld	20.55	
		For Aluminum Welding, Add	*4.15*	
		For Stainless Steel Welding, Add	*6.47*	
		For Up To 25, Add	*6.75*	
		For >25 To 50, Add	*4.78*	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld	27.20	
		For Aluminum Welding, Add	*5.54*	
		For Stainless Steel Welding, Add	*8.63*	
		For Up To 25, Add	*8.91*	
		For >25 To 50, Add	*6.31*	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld	34.30	
		For Aluminum Welding, Add	*6.93*	
		For Stainless Steel Welding, Add	*10.80*	
		For Up To 25, Add	*11.26*	
		For >25 To 50, Add	*7.98*	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld	39.45	
		For Aluminum Welding, Add	*7.35*	
		For Stainless Steel Welding, Add	*11.65*	
		For Up To 25, Add	*13.21*	
		For >25 To 50, Add	*9.39*	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld	46.86	
		For Aluminum Welding, Add	*9.53*	
		For Stainless Steel Welding, Add	*14.84*	
		For Up To 25, Add	*15.36*	
		For >25 To 50, Add	*10.88*	
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld	54.48	
		For Aluminum Welding, Add	*10.45*	
		For Stainless Steel Welding, Add	*16.47*	
		For Up To 25, Add	*18.12*	
		For >25 To 50, Add	*12.86*	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld	63.59	
		For Aluminum Welding, Add	*12.50*	
		For Stainless Steel Welding, Add	*19.60*	
		For Up To 25, Add	*21.02*	
		For >25 To 50, Add	*14.91*	
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld	85.86	
		For Aluminum Welding, Add	*17.45*	
		For Stainless Steel Welding, Add	*27.17*	
		For Up To 25, Add	*28.15*	
		For >25 To 50, Add	*19.94*	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld	124.86	
		For Aluminum Welding, Add	*23.26*	
		For Stainless Steel Welding, Add	*36.88*	
		For Up To 25, Add	*41.81*	
		For >25 To 50, Add	*29.71*	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld	170.23	
		For Aluminum Welding, Add	*34.06*	
		For Stainless Steel Welding, Add	*53.22*	
		For Up To 25, Add	*56.03*	
		For >25 To 50, Add	*39.72*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0236 for drilling into brick or block, 02 41 19 13-0251 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts *(05 05 23 00-0001)*

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0004	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	14.44	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.26*	
		For >100, Deduct	*-2.52*	
05 05 23 00-0005	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	15.85	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.59*	
05 05 23 00-0006	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	15.89	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.59*	
05 05 23 00-0007	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	18.88	1.64
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
05 05 23 00-0008	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	18.25	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.71*	
05 05 23 00-0009	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	21.82	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.14*	
05 05 23 00-0010	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	27.40	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	29.41	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.73*	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	21.77	1.56
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	26.16	1.72
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.45*	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	30.67	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.79*	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	43.42	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.54*	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	50.79	2.15
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.22*	
05 05 23 00-0017	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	57.10	2.30
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.86*	
		For >100, Deduct	*-5.73*	

05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	15.13	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.56*	
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	16.31	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.62*	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	17.59	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.68*	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	20.58	1.64
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.08*	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	20.19	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.81*	
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	25.40	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	33.57	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.83*	
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	39.40	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.11*	
		For >100, Deduct	*-4.23*	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	26.84	1.56
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.29*	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	31.87	1.72
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.74*	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	38.05	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.16*	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	56.78	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.21*	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	56.77	2.15
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.76*	
		For >100, Deduct	*-5.52*	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	70.95	2.30
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-3.21*	
		For >100, Deduct	*-6.42*	

05 05 23 00-0033 A325 High Strength Structural Bolts *(05 05 23 00-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0034		**Plain Finish A325 High Strength Structural Bolts** *(05 05 23 00-0033)* Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	14.11	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.51*	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	14.42	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.26*	
		For >100, Deduct	*-2.52*	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	15.42	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.57*	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	18.91	1.64
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	21.89	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.24*	
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	16.80	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	20.38	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.07*	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	23.20	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.31*	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	28.53	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.69*	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	19.49	1.56
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.93*	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	23.74	1.72
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.33*	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	27.10	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.61*	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	29.36	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.92*	
		For >100, Deduct	*-3.84*	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	21.55	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.11*	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	25.92	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.56*	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	30.02	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.87*	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	38.45	2.02
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.45*	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	36.71	2.02
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.18*	
		For >100, Deduct	*-4.36*	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	41.60	2.15
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.38*	
		For >100, Deduct	*-4.76*	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	48.84	2.30
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.31*	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	57.33	2.46
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.96*	
		For >100, Deduct	*-5.93*	
05 05 23 00-0056		**Galvanized A325 High Strength Structural Bolts** *(05 05 23 00-0033)* Note: Includes A325 heavy hex nut and structural washer.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0057	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	14.74	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.54*	
05 05 23 00-0058	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	14.96	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.55*	
05 05 23 00-0059	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	16.73	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 23 00-0060	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	19.84	1.64
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.05*	
05 05 23 00-0061	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	21.00	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	17.40	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.67*	
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.14	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.11*	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	24.38	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.37*	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	31.33	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.83*	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	23.11	1.56
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.11*	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	25.88	1.72
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	29.69	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.74*	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	37.14	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.23*	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	24.36	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.25*	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	32.37	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.88*	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	35.42	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.14*	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	45.11	2.02
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	44.84	2.02
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.38*	
		For >100, Deduct	*-4.77*	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	47.81	2.15
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.07*	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	55.95	2.30
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.67*	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	64.75	2.46
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-6.30*	

05 05 23 00-0078 A490 High Strength Structural Bolts *(05 05 23 00-0001)*
Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0078)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	15.91	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.60*	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	22.28	1.64
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.17*	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	23.84	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.34*	
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	17.82	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.69*	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	21.55	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.13*	
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	25.07	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	32.18	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.93*	
		For >100, Deduct	*-3.87*	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	20.67	1.56
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.99*	
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	24.11	1.72
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.35*	
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	34.72	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	24.30	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.24*	
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	29.02	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.71*	
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	33.35	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.04*	
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	41.63	2.02
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.61*	
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	53.34	2.15
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.35*	
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	56.15	2.30
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.68*	
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	58.58	2.46
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-3.00*	
		For >100, Deduct	*-5.99*	

05 05 23 00-0097 Hex Head Bolts *(05 05 23 00-0001)*

05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.66	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.68	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.77	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.10	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.13	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.25	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.50	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.54	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.11	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.25	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.10	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.40	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.47	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0116		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.73	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.82	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.18	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.30	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.71	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.89	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.96	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.27	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.34	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.59	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.89	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.16	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0133 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.81	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.84	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.93	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.02	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.34	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.65	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.04	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.25	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.36	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.44	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.62	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0150		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.40	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.53	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.55	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.96	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.97	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.09	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.32	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.95	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.06	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.35	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.72	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.98	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.49	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0166		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0167	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.45	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.60	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.17	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.33	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.79	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.97	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.29	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.58	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.62	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.55	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.01	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.50	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.67	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.33	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.51	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	

05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.46	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.66	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.72	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.64	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.92	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.01	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.29	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.36	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.59	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.96	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.87	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.12	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.59	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.87	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.07	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.36	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	

05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.28	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.47	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.95	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.22	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.56	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.23	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.74	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.15	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.55	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.61	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.29	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.93	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.47	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.11	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.03	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.65	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.29	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.78	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0226		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.61	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.15	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.71	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.12	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.47	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0233	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.09	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0234	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.59	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.97	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.02	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.34	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.95	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.24	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.66	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.32	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.43	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.09	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.97	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.82	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0246		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.31	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.54	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.66	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.23	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.88	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.63	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.50	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.60	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.21	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.94	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.30	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.17	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.27	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.15	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.02	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.08	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.99	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.84	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.74	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0267	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.37	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.96	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.20	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.46	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.60	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0272	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.02	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0273	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.12	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0274	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.26	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0275	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.07	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0276	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.62	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0277	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.58	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0278	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.77	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	29.72	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	30.70	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	31.73	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	32.84	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	33.83	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	34.82	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.71	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.81	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.89	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.53	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.89	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.23	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.76	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.88	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.29	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.47	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.66	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0303 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.81	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.85	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.91	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.02	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.74	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0311	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.11	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0312	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.31	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0313	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.49	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0314	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.10	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.17	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.32	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.64	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.87	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.90	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.01	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.13	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.50	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.64	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.34	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.09	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.87	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.26	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.78	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.30	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.71	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.31	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.42	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.68	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.13	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.32	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.50	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.01	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.46	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.85	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.06	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.28	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.82	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.41	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.45	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.59	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.74	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.23	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.46	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.71	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.18	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.98	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.03	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.83	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.14	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.94	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.90	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.36	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.52	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.60	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.39	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.50	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.93	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	

05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.88	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.14	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.88	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.20	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.23	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.62	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.99	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.64	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.03	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.32	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.15	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.68	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.57	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.67	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.99	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.31	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.12	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	

05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.39	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.04	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.47	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.86	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.50	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.25	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.65	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.10	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.74	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.77	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.95	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.79	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.92	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.69	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.82	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.49	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.08	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.35	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.51	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.60	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.21	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.63	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.28	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.96	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.37	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.25	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.90	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.62	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.50	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.01	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.92	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.44	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.05	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.52	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.03	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.41	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.76	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.97	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.25	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.79	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.64	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.21	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.88	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.88	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.65	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.26	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.89	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.61	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.82	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.01	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.09	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.05	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.22	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.21	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.21	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.66	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.73	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.61	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.44	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.05	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.06	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.03	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.44	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.70	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.00	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.97	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.48	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.57	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.17	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	38.12	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	38.65	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	40.09	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	41.07	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.74	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.84	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.89	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.30	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.42	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.54	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.78	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.11	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.41	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.20	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.58	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.16	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.83	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.89	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.08	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.12	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.47	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.75	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.84	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.25	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.43	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.34	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.33	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.68	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.03	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.05	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.07	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.29	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.67	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.98	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.24	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.29	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.93	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.20	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.74	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.31	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.64	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.46	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.49	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.53	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.75	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.04	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.34	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0535	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.59	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0536	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.95	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0537	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.74	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0538	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.91	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0539	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.00	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0541	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.70	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0542	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.96	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0543	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0544	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.53	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0545	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.81	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0546	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.46	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0547	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.16	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0548	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.54	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0549	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.81	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0550	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.52	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0551	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.34	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0552	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.09	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0553	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.98	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.31	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.25	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.05	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.72	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.07	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.74	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.09	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.46	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.23	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.36	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.49	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.22	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.56	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.08	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.83	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.66	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.23	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.33	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.79	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0577	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.72	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0578	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.88	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0579	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.28	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0580	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.10	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0581	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.58	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0582	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.84	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0583	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.26	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0584	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.12	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0585	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.49	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0586	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.13	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0587	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.53	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0588	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.37	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.62	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.57	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.98	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.91	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.79	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.93	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.68	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.62	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.79	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.90	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.39	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.74	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.76	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.43	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.52	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.90	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.65	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.37	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.73	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.64	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.36	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.74	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.76	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.08	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.03	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.38	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.29	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.74	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.65	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.99	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.15	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.67	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.92	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.75	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.93	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.15	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.29	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.58	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.81	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.12	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.41	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.78	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.11	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.88	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.57	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.69	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.43	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.28	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.85	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0641	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.51	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0642	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.87	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.68	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.78	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.55	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.34	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.16	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.44	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.18	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.70	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.94	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	45.20	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	47.19	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.87	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.89	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.91	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.14	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.50	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.69	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.11	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.15	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.51	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.65	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.70	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.07	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.46	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.95	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.77	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.25	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.27	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.71	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.21	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.57	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.61	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.29	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.63	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.14	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.62	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.90	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.01	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.12	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.75	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.98	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.60	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.71	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.98	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.35	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.79	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.06	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.10	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.79	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.52	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.55	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.59	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.15	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.50	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.81	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.41	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.77	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.57	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.73	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.05	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.66	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.36	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.68	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.85	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.21	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.03	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.07	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.39	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.49	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.80	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.50	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.75	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.80	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.94	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.37	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.62	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.79	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.30	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.47	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.83	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.98	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.22	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.79	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.07	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.90	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.20	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.65	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0753	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.08	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0754	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.93	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0755	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.61	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0756	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.18	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0757	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.29	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0759	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.55	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0760	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.60	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.90	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.81	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.94	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.67	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.29	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.36	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.51	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.86	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.81	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.22	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.24	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.37	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.76	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.58	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.00	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.23	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.35	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.10	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.57	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.08	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.50	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.86	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.57	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.07	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.72	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.42	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.93	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.93	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.72	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.65	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.87	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.37	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.89	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.54	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.14	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.35	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.74	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.61	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.30	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.10	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.45	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.46	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.82	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.19	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.62	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.51	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.94	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	33.37	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.03	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	35.19	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	36.07	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	37.36	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.83	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.94	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.07	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.21	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.60	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.82	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.08	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.50	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.11	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.60	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.80	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.83	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.10	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.75	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.02	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.12	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.03	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.67	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.29	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.88	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.18	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.35	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.84	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.25	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.00	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.28	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.40	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.13	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.58	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.35	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.97	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.60	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.99	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.91	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.89	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.59	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.87	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.85	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.54	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.67	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.20	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.75	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.42	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.15	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.38	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.92	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.84	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.71	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.96	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.43	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.52	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.67	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0882	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.50	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0883	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.06	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0884	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.81	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0885	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.21	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.96	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.32	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.27	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.06	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.94	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.95	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.67	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.26	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.20	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.06	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.43	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.03	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.62	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	

05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.83	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.53	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.52	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.36	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.42	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.27	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.24	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.66	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.58	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.67	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.76	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	

05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.20	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.59	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.22	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.73	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.51	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.61	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.24	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.26	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.50	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.44	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.56	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.66	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.15	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.00	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.84	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.50	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.59	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.47	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0930	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.47	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0932	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.98	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0933	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.74	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0934	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.75	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-0935	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.08	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0936	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.18	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0937	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.05	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-0938	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.40	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0939	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.13	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0940	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.52	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-0941	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.20	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0942	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.81	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0943	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.84	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-0944	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.15	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0945	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.72	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0946	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.22	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-0947	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.71	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.58	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.93	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.74	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.97	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.87	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.57	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.50	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.13	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.95	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.57	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.77	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.64	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.26	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.15	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.80	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.79	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.00	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.00	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	74.82	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	78.44	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	82.04	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.58	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.97	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.28	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.03	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.90	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.37	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.37	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.33	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.36	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.52	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.46	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	64.74	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	66.24	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.73	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	70.96	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	75.55	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	96.37	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	120.63	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-0991	EA	1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.03	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0992	EA	1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.25	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0993	EA	1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0994	EA	2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.52	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-0995	EA	2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.07	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0996	EA	3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.36	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0997	EA	3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.64	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0998	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.11	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-0999	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.35	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1000	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.45	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1001	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.43	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1002	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.63	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1003	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	19.92	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1004	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	28.99	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-1005	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	48.45	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-1006	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	52.89	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.58	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.31	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.69	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.33	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.78	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.21	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	13.36	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.29	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	15.03	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1020	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.24	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1021	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	30.29	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1023	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.99	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-1024	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.09	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-1025	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.48	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.40	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.57*	
05 05 23 00-1027	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.97	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1028	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.14	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1029	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.95	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1030	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.30	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1031	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.81	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1032	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.16	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-2.71*	
05 05 23 00-1033	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.53	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1034	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	16.89	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1035	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.95	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1036	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	20.64	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	
05 05 23 00-1037	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.26	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1038	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	32.33	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.86*	

05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1040	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.75	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.33	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.42	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.60	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.65	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.37	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	20.26	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.56	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	21.19	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.86	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	22.31	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.76	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	23.35	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.72	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.35	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.23	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.52	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.49	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.73	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.38	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.25	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	23.04	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.58	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	24.18	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.87	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	32.25	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.28	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	37.64	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.79	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	52.52	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.47	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	54.93	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	28.44	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.50	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	37.41	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.52	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	45.60	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.68	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.00*	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	52.47	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.84	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	58.82	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	59.97	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	62.60	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.15*	

05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	17.15	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.33	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	17.39	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.81	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	20.02	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.86	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	24.91	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.27	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	29.44	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.89	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	32.84	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.73	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	41.10	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.85	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	44.60	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.32	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	49.65	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.77	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	72.66	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	21.83	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.24	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	23.84	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.30*	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.49	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	28.48	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.21	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.37*	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	34.14	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.67	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	36.50	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-3.44*	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.87	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	39.78	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.67	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-3.51*	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	54.44	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	61.07	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	62.07	
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-3.59*	
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	66.30	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	76.36	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	77.22	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	79.34	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.56	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	27.33	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.08	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	32.96	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.69	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	36.45	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.80	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	44.08	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.46	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	46.21	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.98	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	67.73	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	74.74	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	78.20	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	82.92	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	85.92	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	88.90	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	92.25	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	30.64	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-3.66*	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.15	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	38.01	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.57	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-3.74*	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	44.44	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.53	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	50.65	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-3.81*	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	54.04	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	62.11	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-1154	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	70.06	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.88*	
05 05 23 00-1155	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	81.18	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-1156	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	90.33	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-1157	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	91.65	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.95*	
05 05 23 00-1158	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	94.88	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-1159	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	96.13	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-1160	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	111.32	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	
05 05 23 00-1161	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	125.98	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.03*	

05 05 23 00-1162 Screws *(05 05 23)*

05 05 23 00-1163 Teks® 5 Self Drilling Screws *(05 05 23 00-1162)*

Note: Includes Climaseal® finish, self-drill point and tapping threads.

05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.61	
		For >10 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.42*	
		For >100, Deduct	*-0.84*	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.80	
		For >10 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.43*	
		For >100, Deduct	*-0.85*	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.35	
		For >10 To 50, Deduct	*-0.22*	
		For >50 To 100, Deduct	*-0.46*	
		For >100, Deduct	*-0.92*	
05 05 23 00-1167	EA	1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.34	
		For >10 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.59*	
		For >100, Deduct	*-1.18*	
05 05 23 00-1168	EA	1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.83	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.62*	
		For >100, Deduct	*-1.25*	
05 05 23 00-1169	EA	1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	9.65	
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.69*	
		For >100, Deduct	*-1.38*	
05 05 23 00-1170	EA	1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	10.77	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.74*	
		For >100, Deduct	*-1.47*	

05 05 23 00-1171 Security Screws *(05 05 23 00-1162)*

05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1171)*

Note: Includes "security" style drive in machine or sheet metal screw threads.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1173	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.57	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.35*	
		For >100, Deduct	*-0.69*	
05 05 23 00-1174	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.00	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.71*	
05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.37	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.73*	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.49	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.74*	
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.73	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.75*	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.10	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.72*	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.27	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.73*	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.64	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.74*	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.75	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.75*	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.21	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.72*	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.25	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.72*	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.41	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.73*	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.91	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.76*	
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.49	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.74*	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.61	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.74*	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.08	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.77*	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.83	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.80*	

05 05 23 00-1190 Threaded Rod *(05 05 23)*

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.39	0.57
		For Left Hand Threaded Rod, Add	*0.12*	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.14	0.63
		For Left Hand Threaded Rod, Add	*0.19*	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.64	0.73
		For Left Hand Threaded Rod, Add	*0.22*	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.92	0.74
		For Left Hand Threaded Rod, Add	*0.34*	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.03	0.77
		For Left Hand Threaded Rod, Add	*0.35*	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.24	0.78
		For Left Hand Threaded Rod, Add	*0.47*	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.02	0.79
		For Left Hand Threaded Rod, Add	*0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.52	0.82
		For Left Hand Threaded Rod, Add	*0.99*	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.55	0.85
		For Left Hand Threaded Rod, Add	*1.09*	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.18	0.95
		For Left Hand Threaded Rod, Add	*1.53*	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.37	1.06
		For Left Hand Threaded Rod, Add	*1.93*	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.36	1.15
		For Left Hand Threaded Rod, Add	*2.60*	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	35.28	1.25
		For Left Hand Threaded Rod, Add	*3.28*	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	42.19	1.30
		For Left Hand Threaded Rod, Add	*3.96*	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	51.75	1.36
		For Left Hand Threaded Rod, Add	*4.90*	
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	66.09	1.43
		For Left Hand Threaded Rod, Add	*6.32*	
05 05 23 00-1208		**Zinc Plated Steel, Low Carbon Threaded Rod** *(05 05 23 00-1190)*		
05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.41	0.57
		For Left Hand Threaded Rod, Add	*0.13*	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.55	0.63
		For Left Hand Threaded Rod, Add	*0.23*	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.95	0.73
		For Left Hand Threaded Rod, Add	*0.25*	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.69	0.74
		For Left Hand Threaded Rod, Add	*0.42*	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.12	0.77
		For Left Hand Threaded Rod, Add	*0.46*	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.01	0.78
		For Left Hand Threaded Rod, Add	*0.65*	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.51	0.79
		For Left Hand Threaded Rod, Add	*0.69*	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	12.80	0.82
		For Left Hand Threaded Rod, Add	*1.12*	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	16.57	0.85
		For Left Hand Threaded Rod, Add	*1.49*	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	22.24	0.95
		For Left Hand Threaded Rod, Add	*2.03*	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	28.70	1.06
		For Left Hand Threaded Rod, Add	*2.66*	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	34.25	1.15
		For Left Hand Threaded Rod, Add	*3.19*	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	38.93	1.25
		For Left Hand Threaded Rod, Add	*3.64*	
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	49.01	1.30
		For Left Hand Threaded Rod, Add	*4.64*	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	60.73	1.36
		For Left Hand Threaded Rod, Add	*5.80*	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	88.61	1.43
		For Left Hand Threaded Rod, Add	*8.58*	
05 05 23 00-1225		**Hot Dipped Galvanized Steel, Low Carbon Threaded Rod** *(05 05 23 00-1190)*		
05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	6.50	0.73
		For Left Hand Threaded Rod, Add	*0.51*	
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	9.10	0.77
		For Left Hand Threaded Rod, Add	*0.76*	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	12.28	0.79
		For Left Hand Threaded Rod, Add	*1.07*	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	16.86	0.82
		For Left Hand Threaded Rod, Add	*1.52*	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	23.33	0.85
		For Left Hand Threaded Rod, Add	*2.17*	
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	30.10	0.95
		For Left Hand Threaded Rod, Add	*2.82*	
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	39.60	1.06
		For Left Hand Threaded Rod, Add	*3.75*	
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	52.08	1.15
		For Left Hand Threaded Rod, Add	*4.97*	
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	58.20	1.25
		For Left Hand Threaded Rod, Add	*5.57*	
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	69.27	1.30
		For Left Hand Threaded Rod, Add	*6.67*	
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	84.17	1.36
		For Left Hand Threaded Rod, Add	*8.14*	
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	146.89	1.43
		For Left Hand Threaded Rod, Add	*14.40*	
05 05 23 00-1238		**304/18-8 Stainless Steel Threaded Rod** *(05 05 23 00-1190)*		
05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.41	0.57
		For Left Hand Threaded Rod, Add	*0.23*	
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.12	0.63
		For Left Hand Threaded Rod, Add	*0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.58	0.73
		For Left Hand Threaded Rod, Add	*0.52*	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.14	0.74
		For Left Hand Threaded Rod, Add	*0.77*	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.96	0.77
		For Left Hand Threaded Rod, Add	*0.94*	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	15.75	0.78
		For Left Hand Threaded Rod, Add	*1.42*	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.45	0.79
		For Left Hand Threaded Rod, Add	*1.49*	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	23.03	0.82
		For Left Hand Threaded Rod, Add	*2.14*	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	31.67	0.85
		For Left Hand Threaded Rod, Add	*3.00*	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.63	0.95
		For Left Hand Threaded Rod, Add	*3.87*	
05 05 23 00-1249	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	85.99	1.15
		For Left Hand Threaded Rod, Add	*8.36*	
05 05 23 00-1250	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	130.91	1.30
		For Left Hand Threaded Rod, Add	*12.83*	
05 05 23 00-1251	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	134.67	1.36
		For Left Hand Threaded Rod, Add	*13.19*	
05 05 23 00-1252	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	186.33	1.43
		For Left Hand Threaded Rod, Add	*18.35*	

05 05 23 00-1253 316 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1254	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	4.93	0.57
		For Left Hand Threaded Rod, Add	*0.38*	
05 05 23 00-1255	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	7.93	0.63
		For Left Hand Threaded Rod, Add	*0.67*	
05 05 23 00-1256	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	10.52	0.73
		For Left Hand Threaded Rod, Add	*0.91*	
05 05 23 00-1257	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	16.43	0.74
		For Left Hand Threaded Rod, Add	*1.50*	
05 05 23 00-1258	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	17.42	0.77
		For Left Hand Threaded Rod, Add	*1.59*	
05 05 23 00-1259	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	22.85	0.78
		For Left Hand Threaded Rod, Add	*2.13*	
05 05 23 00-1260	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	24.59	0.79
		For Left Hand Threaded Rod, Add	*2.30*	
05 05 23 00-1261	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	35.85	0.82
		For Left Hand Threaded Rod, Add	*3.42*	
05 05 23 00-1262	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	49.07	0.85
		For Left Hand Threaded Rod, Add	*4.74*	
05 05 23 00-1263	LF	1" Diameter, 316 Stainless Steel Threaded Rod	62.10	0.95
		For Left Hand Threaded Rod, Add	*6.02*	
05 05 23 00-1264	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	131.09	1.15
		For Left Hand Threaded Rod, Add	*12.87*	
05 05 23 00-1265	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	171.81	1.30
		For Left Hand Threaded Rod, Add	*16.92*	

05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1267	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.14	0.57
		For Zinc Plating, Add	*1.50*	
05 05 23 00-1268	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.39	0.63
		For Zinc Plating, Add	*2.57*	
05 05 23 00-1269	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.68	0.73
		For Zinc Plating, Add	*2.63*	
05 05 23 00-1270	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	7.30	0.74
		For Zinc Plating, Add	*2.91*	
05 05 23 00-1271	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.04	0.77
		For Zinc Plating, Add	*3.26*	
05 05 23 00-1272	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.05	0.78
		For Zinc Plating, Add	*4.25*	
05 05 23 00-1273	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.37	0.79
		For Zinc Plating, Add	*4.40*	
05 05 23 00-1274	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	13.79	0.82
		For Zinc Plating, Add	*6.08*	
05 05 23 00-1275	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	16.53	0.85
		For Zinc Plating, Add	*7.43*	
05 05 23 00-1276	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	21.45	0.95
		For Zinc Plating, Add	*9.77*	
05 05 23 00-1277	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	27.92	1.06
		For Zinc Plating, Add	*12.90*	
05 05 23 00-1278	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	31.08	1.15
		For Zinc Plating, Add	*14.35*	
05 05 23 00-1279	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	35.87	1.25
		For Zinc Plating, Add	*16.69*	
05 05 23 00-1280	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	43.63	1.30
		For Zinc Plating, Add	*20.52*	
05 05 23 00-1281	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	45.11	1.36
		For Zinc Plating, Add	*21.19*	
05 05 23 00-1282	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	60.56	1.43
		For Zinc Plating, Add	*28.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1283		Nuts And Washers *(05 05 23)*		
05 05 23 00-1284		Hex Nuts *(05 05 23 00-1283)*		
05 05 23 00-1285		Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.74	0.34
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.82	0.34
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.88	0.34
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.01	0.34
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.09	0.34
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.40	0.34
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.45	0.34
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.70	0.67
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.42	0.67
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.06	0.67
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.91	0.67
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.98	0.67
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.71	0.67
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	10.05	1.02
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	14.66	1.02
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	21.08	1.02
05 05 23 00-1302		Zinc Plated Steel, Grade 5 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.76	0.34
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.83	0.34
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.91	0.34
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.04	0.34
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.20	0.34
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.43	0.34
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.48	0.34
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.90	0.67
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.63	0.67
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.67	0.67
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	5.52	0.67
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	7.74	0.67
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	11.28	0.67
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.44	1.02
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	22.26	1.02
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	31.81	1.02
05 05 23 00-1319		Zinc Plated Steel, Grade 8 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.77	0.34
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.88	0.34
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.96	0.34
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.17	0.34
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.38	0.34
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.63	0.34
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.85	0.34
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.27	0.67
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.34	0.67
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.42	0.67
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	6.84	0.67
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.50	0.67
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	13.88	0.67
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	14.71	1.02
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	22.32	1.02
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	31.46	1.02
05 05 23 00-1336		Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.77	0.34
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.86	0.34
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.94	0.34
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.15	0.34
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.31	0.34
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.44	0.34
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.59	0.34
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.09	0.67
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.97	0.67
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.05	0.67
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	6.62	0.67
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.45	0.67
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	12.45	0.67
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.49	1.02
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.11	1.02
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	43.25	1.02
05 05 23 00-1353		304 Stainless Steel Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.85	0.34
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	1.00	0.34
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	1.12	0.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.62	0.34
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	1.75	0.34
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	2.61	0.34
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	2.91	0.34
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	3.33	0.67
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	5.38	0.67
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut	8.20	0.67
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	19.52	0.67
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	37.37	1.02
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	65.57	1.02
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut	93.38	1.02

05 05 23 00-1368 316 Stainless Steel Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	0.98	0.34
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	1.12	0.34
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	1.32	0.34
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	2.10	0.34
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	2.25	0.34
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	3.03	0.34
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	3.42	0.34
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	4.72	0.67
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	6.52	0.67
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut	10.01	0.67
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	30.18	0.67
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	48.72	1.02
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	82.12	1.02
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut	152.49	1.02

05 05 23 00-1383 Flat Washers *(05 05 23 00-1283)*

05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers *(05 05 23 00-1383)*

05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.05	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.07	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.13	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.20	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.29	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.81	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.96	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.18	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.33	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.59	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.50	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.56	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.79	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.71	

05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers *(05 05 23 00-1383)*

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.17	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.24	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.27	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.37	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.50	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.81	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.16	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.63	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.72	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.02	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.39	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.79	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.32	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	7.22	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	9.71	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	11.65	

05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers *(05 05 23 00-1383)*

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.11	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.16	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.18	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.34	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.43	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.71	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.79	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.20	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.70	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.86	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.85	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.17	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.53	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	7.12	
05 05 23 00-1434		**304/18-8 Stainless Steel Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.14	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.19	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.27	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.49	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.90	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.12	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.64	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.67	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.53	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.47	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.20	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.60	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.92	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.22	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	8.97	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	17.62	
05 05 23 00-1451		**316 Stainless Steel Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.27	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.30	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.53	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.63	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.16	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.09	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.47	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	3.11	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.81	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	5.38	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.13	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	7.55	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.98	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	8.16	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	11.96	
05 05 23 00-1467		**Lock Washers** *(05 05 23 00-1283)*		
05 05 23 00-1468		**Zinc Plated Steel, Low Carbon Lock Washers** *(05 05 23 00-1467)*		
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.08	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.21	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.32	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.54	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.96	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.41	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.16	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.42	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.02	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	7.18	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.09	
05 05 23 00-1485		**Hot Dipped Galvanized Steel Lock Washers** *(05 05 23 00-1467)*		
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.11	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.15	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.24	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.31	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.37	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.62	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.89	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.41	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.55	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.04	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	4.39	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.02	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.79	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	9.25	
05 05 23 00-1502		**304/18-8 Stainless Steel Lock Washers** *(05 05 23 00-1467)*		
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.12	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.16	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.23	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.48	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.15	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.36	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.58	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.87	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	4.05	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.07	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.40	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	11.96	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	14.35	
05 05 23 00-1517		316 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.14	
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.31	
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.36	
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.62	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.69	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.23	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.35	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	2.33	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	3.86	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	5.25	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	7.32	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	11.27	
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	20.18	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	22.40	
05 05 23 00-1532		Load Indicating Washers *(05 05 23 00-1283)*		
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1532)*		
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.34	
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.65	
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.86	
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.25	
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.92	
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.52	
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.42	
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	10.75	
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	11.83	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.96	
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.30	
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.21	
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.92	
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.65	
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.00	
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.81	
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	12.54	
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	13.79	
05 05 23 00-1554		Beveled Washers *(05 05 23 00-1283)*		
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.87	
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.95	
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.04	
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.90	
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)	5.16	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.56	
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.81	
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.81	
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	6.15	
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)	6.54	
05 05 23 00-1567		Drilling In Existing Steel Plates *(05 05 23)*		
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate	23.22	
		For Aluminum, Deduct	*-2.32*	
		For Stainless Steel, Add	*2.90*	
		For >5 To 10, Deduct	*-2.32*	
		For >10 To 25, Deduct	*-5.81*	
		For >25 To 50, Deduct	*-8.13*	
		For >50, Deduct	*-11.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate	27.31	
		For Aluminum, Deduct	*-2.73*	
		For Stainless Steel, Add	*3.41*	
		For >5 To 10, Deduct	*-2.73*	
		For >10 To 25, Deduct	*-6.83*	
		For >25 To 50, Deduct	*-9.56*	
		For >50, Deduct	*-13.66*	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate	32.78	
		For Aluminum, Deduct	*-3.28*	
		For Stainless Steel, Add	*4.10*	
		For >5 To 10, Deduct	*-3.28*	
		For >10 To 25, Deduct	*-8.20*	
		For >25 To 50, Deduct	*-11.47*	
		For >50, Deduct	*-16.39*	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	38.24	
		For Aluminum, Deduct	*-3.82*	
		For Stainless Steel, Add	*4.78*	
		For >5 To 10, Deduct	*-3.82*	
		For >10 To 25, Deduct	*-9.56*	
		For >25 To 50, Deduct	*-13.38*	
		For >50, Deduct	*-19.12*	
05 05 23 00-1572	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	51.22	
		For Aluminum, Deduct	*-5.12*	
		For Stainless Steel, Add	*6.40*	
		For >5 To 10, Deduct	*-5.12*	
		For >10 To 25, Deduct	*-12.81*	
		For >25 To 50, Deduct	*-17.93*	
		For >50, Deduct	*-25.61*	
05 05 23 00-1573	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	27.31	
		For Aluminum, Deduct	*-2.73*	
		For Stainless Steel, Add	*3.41*	
		For >5 To 10, Deduct	*-2.73*	
		For >10 To 25, Deduct	*-6.83*	
		For >25 To 50, Deduct	*-9.56*	
		For >50, Deduct	*-13.66*	
05 05 23 00-1574	EA	>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate	34.14	
		For Aluminum, Deduct	*-3.41*	
		For Stainless Steel, Add	*4.27*	
		For >5 To 10, Deduct	*-3.41*	
		For >10 To 25, Deduct	*-8.54*	
		For >25 To 50, Deduct	*-11.95*	
		For >50, Deduct	*-17.07*	
05 05 23 00-1575	EA	>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	40.97	
		For Aluminum, Deduct	*-4.10*	
		For Stainless Steel, Add	*5.12*	
		For >5 To 10, Deduct	*-4.10*	
		For >10 To 25, Deduct	*-10.24*	
		For >25 To 50, Deduct	*-14.34*	
		For >50, Deduct	*-20.49*	
05 05 23 00-1576	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	51.22	
		For Aluminum, Deduct	*-5.12*	
		For Stainless Steel, Add	*6.40*	
		For >5 To 10, Deduct	*-5.12*	
		For >10 To 25, Deduct	*-12.81*	
		For >25 To 50, Deduct	*-17.93*	
		For >50, Deduct	*-25.61*	
05 05 23 00-1577	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	34.14	
		For Aluminum, Deduct	*-3.41*	
		For Stainless Steel, Add	*4.27*	
		For >5 To 10, Deduct	*-3.41*	
		For >10 To 25, Deduct	*-8.54*	
		For >25 To 50, Deduct	*-11.95*	
		For >50, Deduct	*-17.07*	
05 05 23 00-1578	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	45.07	
		For Aluminum, Deduct	*-4.51*	
		For Stainless Steel, Add	*5.63*	
		For >5 To 10, Deduct	*-4.51*	
		For >10 To 25, Deduct	*-11.27*	
		For >25 To 50, Deduct	*-15.77*	
		For >50, Deduct	*-22.54*	
05 05 23 00-1579	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	54.64	
		For Aluminum, Deduct	*-5.46*	
		For Stainless Steel, Add	*6.83*	
		For >5 To 10, Deduct	*-5.46*	
		For >10 To 25, Deduct	*-13.66*	
		For >25 To 50, Deduct	*-19.12*	
		For >50, Deduct	*-27.32*	

05 05 23 00-1580 Cutting Existing Steel With Torch *(05 05 23)*

05 05 23 00-1581	LF	Torch Cutting, Milled Steel Up To 1/4" Thick	7.15	

05 05 23 00-1582 Welded Stud Anchors *(05 05 23)*

05 05 23 00-1583	EA	1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.46	
05 05 23 00-1584	EA	2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.56	
05 05 23 00-1585	EA	3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.60	
05 05 23 00-1586	EA	4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.64	
05 05 23 00-1587	EA	1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.39	
05 05 23 00-1588	EA	1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1589	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.86	
05 05 23 00-1590	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.98	
05 05 23 00-1591	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.11	
05 05 23 00-1592	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.59	
05 05 23 00-1593	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.99	
05 05 23 00-1594	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.31	
05 05 23 00-1595	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.40	
05 05 23 00-1596	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.43	
05 05 23 00-1597	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.79	
05 05 23 00-1598	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.14	
05 05 23 00-1599	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.57	
05 05 23 00-1600	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.23	
05 05 23 00-1601	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.66	
05 05 23 00-1602	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	8.83	
05 05 23 00-1603	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	11.03	
05 05 23 00-1604	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	7.67	
05 05 23 00-1605	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.23	
05 05 23 00-1606	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.68	
05 05 23 00-1607	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.14	
05 05 23 00-1608	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.51	
05 05 23 00-1609	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.85	
05 05 23 00-1610	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.30	
05 05 23 00-1611	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	12.19	
05 05 23 00-1612	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	14.80	

05 05 23 00-1613 Welded Shear Stud Connector *(05 05 23)*

05 05 23 00-1614 3/4" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1615	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	9.82	
05 05 23 00-1616	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	10.22	
05 05 23 00-1617	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	10.33	
05 05 23 00-1618	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	10.38	
05 05 23 00-1619	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	10.83	
05 05 23 00-1620	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	11.66	
05 05 23 00-1621	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	19.66	
05 05 23 00-1622	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	12.62	
05 05 23 00-1623	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	14.08	
05 05 23 00-1624	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	18.41	
05 05 23 00-1625	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	18.86	
05 05 23 00-1626	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	20.46	
05 05 23 00-1627	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	27.16	

05 05 23 00-1628 7/8" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1629	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	11.82	
05 05 23 00-1630	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	12.46	
05 05 23 00-1631	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	13.09	
05 05 23 00-1632	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	14.93	
05 05 23 00-1633	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	19.39	
05 05 23 00-1634	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	21.34	
05 05 23 00-1635	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	23.25	
05 05 23 00-1636	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	28.62	

05 05 23 00-1637 1" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1638	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	15.99	
05 05 23 00-1639	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	17.96	
05 05 23 00-1640	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	20.86	
05 05 23 00-1641	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	26.65	
05 05 23 00-1642	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	29.68	
05 05 23 00-1643	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	32.71	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel for Buildings *(05 12)*

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes and HP shapes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0003	TON	Up To 30 Lb./LF Beams, Girders And Columns	10,882.62	1,366.41
		For ASTM A242 Type 2 High Strength Steel, Add	*644.46*	
		For Hot Dip Galvanizing, Add	*2,255.63*	
		For >10 To 25 Tons, Deduct	*-684.74*	
		For >25 To 50 Tons, Deduct	*-1,409.77*	
		For >50 To 75 Tons, Deduct	*-2,013.95*	
		For >75 Tons, Deduct	*-1,006.98*	
05 12 23 00-0004	TON	>30-65 Lb./LF Beams, Girders And Columns	7,553.74	883.29
		For ASTM A242 Type 2 High Strength Steel, Add	*528.92*	
		For Hot Dip Galvanizing, Add	*1,851.21*	
		For >10 To 25 Tons, Deduct	*-561.97*	
		For >25 To 50 Tons, Deduct	*-1,157.01*	
		For >50 To 75 Tons, Deduct	*-1,652.87*	
		For >75 Tons, Deduct	*-826.43*	
05 12 23 00-0005	TON	>65-100 Lb./LF Beams, Girders And Columns	6,399.58	496.90
		For ASTM A242 Type 2 High Strength Steel, Add	*469.56*	
		For Hot Dip Galvanizing, Add	*1,643.48*	
		For >10 To 25 Tons, Deduct	*-498.91*	
		For >25 To 50 Tons, Deduct	*-1,027.17*	
		For >50 To 75 Tons, Deduct	*-1,467.39*	
		For >75 Tons, Deduct	*-733.70*	
05 12 23 00-0006	TON	>100-300 Lb./LF Beams, Girders And Columns	4,295.21	264.49
		For ASTM A242 Type 2 High Strength Steel, Add	*321.00*	
		For Hot Dip Galvanizing, Add	*1,123.51*	
		For >10 To 25 Tons, Deduct	*-341.07*	
		For >25 To 50 Tons, Deduct	*-702.19*	
		For >50 To 75 Tons, Deduct	*-1,003.13*	
		For >75 Tons, Deduct	*-501.57*	

05 12 23 00-0007 Trusses, Built-Up *(05 12 23 00-0001)*

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	8,014.84	929.27
		For ASTM A242 Type 2 High Strength Steel, Add	*561.93*	
		For Hot Dip Galvanizing, Add	*1,966.76*	
		For >10 To 25 Tons, Deduct	*-597.05*	
		For >25 To 50 Tons, Deduct	*-1,229.22*	
		For >50 To 75 Tons, Deduct	*-1,756.03*	
		For >75 Tons, Deduct	*-878.02*	

05 12 23 00-0009 Shapes *(05 12 23 00-0001)*

05 12 23 00-0010 Rolled Shape Steel Angles *(05 12 23 00-0009)*

05 12 23 00-0011	TON	Up To 10 Lb./LF Rolled Shape Steel Angles	15,867.31	2,540.15
		For ASTM A242 Type 2 High Strength Steel, Add	*930.70*	
		For Hot Dip Galvanizing, Add	*3,257.44*	
		For >10 To 25 Tons, Deduct	*-988.87*	
		For >25 To 50 Tons, Deduct	*-2,035.90*	
		For >50 To 75 Tons, Deduct	*-2,908.43*	
		For >75 Tons, Deduct	*-1,454.22*	
05 12 23 00-0012	TON	>10 To 20 Lb./LF Rolled Shape Steel Angles	13,955.67	1,490.70
		For ASTM A242 Type 2 High Strength Steel, Add	*890.31*	
		For Hot Dip Galvanizing, Add	*3,116.08*	
		For >10 To 25 Tons, Deduct	*-945.95*	
		For >25 To 50 Tons, Deduct	*-1,947.55*	
		For >50 To 75 Tons, Deduct	*-2,782.22*	
		For >75 Tons, Deduct	*-1,391.11*	
05 12 23 00-0013	TON	>20 To 58 Lb./LF Rolled Shape Steel Angles	10,732.01	883.29
		For ASTM A242 Type 2 High Strength Steel, Add	*783.19*	
		For Hot Dip Galvanizing, Add	*2,741.17*	
		For >10 To 25 Tons, Deduct	*-832.14*	
		For >25 To 50 Tons, Deduct	*-1,713.23*	
		For >50 To 75 Tons, Deduct	*-2,447.47*	
		For >75 Tons, Deduct	*-1,223.74*	

05 12 23 00-0014 Rolled C, MC Steel Channels *(05 12 23 00-0009)*

05 12 23 00-0015	TON	Up To 10 Lb./LF Rolled C, MC Steel Channels	17,282.57	3,478.30
		For ASTM A242 Type 2 High Strength Steel, Add	*916.65*	
		For Hot Dip Galvanizing, Add	*3,208.27*	
		For >10 To 25 Tons, Deduct	*-973.94*	
		For >25 To 50 Tons, Deduct	*-2,005.17*	
		For >50 To 75 Tons, Deduct	*-2,864.53*	
		For >75 Tons, Deduct	*-1,432.26*	
05 12 23 00-0016	TON	>10 To 20 Rolled C, MC Steel Channels	13,802.01	2,650.13
		For ASTM A242 Type 2 High Strength Steel, Add	*878.02*	
		For Hot Dip Galvanizing, Add	*3,073.06*	
		For >10 To 25 Tons, Deduct	*-932.89*	
		For >25 To 50 Tons, Deduct	*-1,920.66*	
		For >50 To 75 Tons, Deduct	*-2,743.80*	
		For >75 Tons, Deduct	*-1,371.90*	
05 12 23 00-0017	TON	>20 To 58 Lb./LF Rolled C, MC Steel Channels	10,556.41	883.29
		For ASTM A242 Type 2 High Strength Steel, Add	*769.14*	
		For Hot Dip Galvanizing, Add	*2,692.00*	
		For >10 To 25 Tons, Deduct	*-817.21*	
		For >25 To 50 Tons, Deduct	*-1,682.50*	
		For >50 To 75 Tons, Deduct	*-2,403.57*	
		For >75 Tons, Deduct	*-1,201.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0018		**Double L Shape Steel Angles** *(05 12 23 00-0009)*		
05 12 23 00-0019	TON	Up To 20 Lb./LF Double L Shape Steel Angles	14,722.71	2,015.43
		For ASTM A242 Type 2 High Strength Steel, Add	*895.58*	
		For Hot Dip Galvanizing, Add	*3,134.52*	
		For >10 To 25 Tons, Deduct	*-951.55*	
		For >25 To 50 Tons, Deduct	*-1,959.07*	
		For >50 To 75 Tons, Deduct	*-2,798.68*	
		For >75 Tons, Deduct	*-1,399.34*	
05 12 23 00-0020	TON	>20 To 50 Lb./LF Double L Shape Steel Angles	11,478.33	883.29
		For ASTM A242 Type 2 High Strength Steel, Add	*842.90*	
		For Hot Dip Galvanizing, Add	*2,950.14*	
		For >10 To 25 Tons, Deduct	*-895.58*	
		For >25 To 50 Tons, Deduct	*-1,843.84*	
		For >50 To 75 Tons, Deduct	*-2,634.05*	
		For >75 Tons, Deduct	*-1,317.03*	
05 12 23 00-0021	TON	>50 To 80 Lb./LF Double L Shape Steel Angles	8,651.67	496.90
		For ASTM A242 Type 2 High Strength Steel, Add	*649.73*	
		For Hot Dip Galvanizing, Add	*2,274.06*	
		For >10 To 25 Tons, Deduct	*-690.34*	
		For >25 To 50 Tons, Deduct	*-1,421.29*	
		For >50 To 75 Tons, Deduct	*-2,030.41*	
		For >75 Tons, Deduct	*-1,015.21*	
05 12 23 00-0022	TON	>80 To 115 Lb./LF Double L Shape Steel Angles	5,550.34	264.88
		For ASTM A242 Type 2 High Strength Steel, Add	*421.45*	
		For Hot Dip Galvanizing, Add	*1,475.07*	
		For >10 To 25 Tons, Deduct	*-447.79*	
		For >25 To 50 Tons, Deduct	*-921.92*	
		For >50 To 75 Tons, Deduct	*-1,317.03*	
		For >75 Tons, Deduct	*-658.51*	
05 12 23 00-0023		**Structural WT, MT, ST Tee Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0024	TON	Up To 30 Lb./LF Structural WT, MT, ST Tee Shapes	13,363.01	1,490.70
		For ASTM A242 Type 2 High Strength Steel, Add	*842.90*	
		For Hot Dip Galvanizing, Add	*2,950.14*	
		For >10 To 25 Tons, Deduct	*-895.58*	
		For >25 To 50 Tons, Deduct	*-1,843.84*	
		For >50 To 75 Tons, Deduct	*-2,634.05*	
		For >75 Tons, Deduct	*-1,317.03*	
05 12 23 00-0025	TON	>30 To 65 Lb./LF Structural WT, MT, ST Tee Shapes	8,998.07	883.29
		For ASTM A242 Type 2 High Strength Steel, Add	*644.46*	
		For Hot Dip Galvanizing, Add	*2,255.62*	
		For >10 To 25 Tons, Deduct	*-684.74*	
		For >25 To 50 Tons, Deduct	*-1,409.77*	
		For >50 To 75 Tons, Deduct	*-2,013.95*	
		For >75 Tons, Deduct	*-1,006.98*	
05 12 23 00-0026	TON	>65 To 100 Lb./LF Structural WT, MT, ST Tee Shapes	7,115.14	496.90
		For ASTM A242 Type 2 High Strength Steel, Add	*526.81*	
		For Hot Dip Galvanizing, Add	*1,843.83*	
		For >10 To 25 Tons, Deduct	*-559.74*	
		For >25 To 50 Tons, Deduct	*-1,152.40*	
		For >50 To 75 Tons, Deduct	*-1,646.28*	
		For >75 Tons, Deduct	*-823.14*	
05 12 23 00-0027	TON	>100 To 365 Lb./LF Structural WT, MT, ST Tee Shapes	5,243.47	264.49
		For ASTM A242 Type 2 High Strength Steel, Add	*396.86*	
		For Hot Dip Galvanizing, Add	*1,389.02*	
		For >10 To 25 Tons, Deduct	*-421.67*	
		For >25 To 50 Tons, Deduct	*-868.14*	
		For >50 To 75 Tons, Deduct	*-1,240.20*	
		For >75 Tons, Deduct	*-620.10*	
05 12 23 00-0028		**Combination Section Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0029		**Combination Section, W Shapes And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0030	TON	Up To 30 Lb./LF Combination Section - W Shapes And Angles	12,682.54	1,490.70
		For ASTM A242 Type 2 High Strength Steel, Add	*788.46*	
		For Hot Dip Galvanizing, Add	*2,759.60*	
		For >10 To 25 Tons, Deduct	*-837.74*	
		For >25 To 50 Tons, Deduct	*-1,724.75*	
		For >50 To 75 Tons, Deduct	*-2,463.93*	
		For >75 Tons, Deduct	*-1,231.97*	
05 12 23 00-0031	TON	>30-65 Lb./LF Combination Section - W Shapes And Angles	9,063.94	883.29
		For ASTM A242 Type 2 High Strength Steel, Add	*649.73*	
		For Hot Dip Galvanizing, Add	*2,274.07*	
		For >10 To 25 Tons, Deduct	*-690.34*	
		For >25 To 50 Tons, Deduct	*-1,421.29*	
		For >50 To 75 Tons, Deduct	*-2,030.42*	
		For >75 Tons, Deduct	*-1,015.21*	
05 12 23 00-0032	TON	>65-100 Lb./LF Combination Section - W Shapes And Angles	6,566.38	496.90
		For ASTM A242 Type 2 High Strength Steel, Add	*482.91*	
		For Hot Dip Galvanizing, Add	*1,690.18*	
		For >10 To 25 Tons, Deduct	*-513.09*	
		For >25 To 50 Tons, Deduct	*-1,056.36*	
		For >50 To 75 Tons, Deduct	*-1,509.09*	
		For >75 Tons, Deduct	*-754.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0033	TON	>100-300 Lb./LF Combination Section - W Shapes And Angles	5,682.05	264.49
		For ASTM A242 Type 2 High Strength Steel, Add	*431.98*	
		For Hot Dip Galvanizing, Add	*1,511.95*	
		For >10 To 25 Tons, Deduct	*-458.98*	
		For >25 To 50 Tons, Deduct	*-944.97*	
		For >50 To 75 Tons, Deduct	*-1,349.95*	
		For >75 Tons, Deduct	*-674.98*	
05 12 23 00-0034	TON	>300-500 Lb./LF Combination Section - W Shapes And Angles	4,904.59	132.77
		For ASTM A242 Type 2 High Strength Steel, Add	*381.06*	
		For Hot Dip Galvanizing, Add	*1,333.71*	
		For >10 To 25 Tons, Deduct	*-404.88*	
		For >25 To 50 Tons, Deduct	*-833.57*	
		For >50 To 75 Tons, Deduct	*-1,190.81*	
		For >75 Tons, Deduct	*-595.41*	

05 12 23 00-0035 Combination Section, S Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0036	TON	>30-65 Lb./LF Combination Section - S Shapes And Angles	8,712.72	883.29
		For ASTM A242 Type 2 High Strength Steel, Add	*621.64*	
		For Hot Dip Galvanizing, Add	*2,175.73*	
		For >10 To 25 Tons, Deduct	*-660.49*	
		For >25 To 50 Tons, Deduct	*-1,359.83*	
		For >50 To 75 Tons, Deduct	*-1,942.61*	
		For >75 Tons, Deduct	*-971.31*	
05 12 23 00-0037	TON	>65-100 Lb./LF Combination Section - S Shapes And Angles	6,588.33	496.90
		For ASTM A242 Type 2 High Strength Steel, Add	*484.66*	
		For Hot Dip Galvanizing, Add	*1,696.33*	
		For >10 To 25 Tons, Deduct	*-514.96*	
		For >25 To 50 Tons, Deduct	*-1,060.20*	
		For >50 To 75 Tons, Deduct	*-1,514.58*	
		For >75 Tons, Deduct	*-757.29*	

05 12 23 00-0038 Combination Section, Channels And Angles *(05 12 23 00-0028)*

05 12 23 00-0039	TON	Up To 30 Lb./LF Combination Section - Channels And Angles	13,363.01	1,490.70
		For ASTM A242 Type 2 High Strength Steel, Add	*842.90*	
		For Hot Dip Galvanizing, Add	*2,950.14*	
		For >10 To 25 Tons, Deduct	*-895.58*	
		For >25 To 50 Tons, Deduct	*-1,843.84*	
		For >50 To 75 Tons, Deduct	*-2,634.05*	
		For >75 Tons, Deduct	*-1,317.03*	
05 12 23 00-0040	TON	>30-65 Lb./LF Combination Section - Channels And Angles	9,502.93	883.29
		For ASTM A242 Type 2 High Strength Steel, Add	*684.85*	
		For Hot Dip Galvanizing, Add	*2,396.98*	
		For >10 To 25 Tons, Deduct	*-727.66*	
		For >25 To 50 Tons, Deduct	*-1,498.12*	
		For >50 To 75 Tons, Deduct	*-2,140.17*	
		For >75 Tons, Deduct	*-1,070.08*	
05 12 23 00-0041	TON	>65-100 Lb./LF Combination Section - Channels And Angles	6,741.99	496.90
		For ASTM A242 Type 2 High Strength Steel, Add	*496.96*	
		For Hot Dip Galvanizing, Add	*1,739.35*	
		For >10 To 25 Tons, Deduct	*-528.02*	
		For >25 To 50 Tons, Deduct	*-1,087.09*	
		For >50 To 75 Tons, Deduct	*-1,552.99*	
		For >75 Tons, Deduct	*-776.50*	

05 12 23 00-0042 Standard Weight Pipe *(05 12 23 00-0001)*

05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	7,696.58	795.04
		For ASTM A242 Type 2 High Strength Steel, Add	*547.88*	
		For Hot Dip Galvanizing, Add	*1,917.59*	
		For >10 To 25 Tons, Deduct	*-582.13*	
		For >25 To 50 Tons, Deduct	*-1,198.49*	
		For >50 To 75 Tons, Deduct	*-1,712.13*	
		For >75 Tons, Deduct	*-856.07*	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	8,215.89	993.79
		For ASTM A242 Type 2 High Strength Steel, Add	*572.47*	
		For Hot Dip Galvanizing, Add	*2,003.63*	
		For >10 To 25 Tons, Deduct	*-608.25*	
		For >25 To 50 Tons, Deduct	*-1,252.27*	
		For >50 To 75 Tons, Deduct	*-1,788.96*	
		For >75 Tons, Deduct	*-894.48*	

05 12 23 00-0045 Temporary Steel Support For Structures *(05 12 23 00-0001)*

Note: Includes removal after use.

05 12 23 00-0046	TON	Up To 30 Lb./LF Temporary Steel Support For Structures	10,882.62
		Note: For all stock sections.	
05 12 23 00-0047	TON	>30 Lb./LF Temporary Steel Support For Structures	7,553.74
		Note: For all stock sections.	

05 12 23 00-0048 Structural Steel Shapes *(05 12 23)*

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0049 Steel Rods *(05 12 23 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0050	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	8,301.27	621.19
		For ASTM A242 Type 2 High Strength Steel, Add	*611.10*	
		For Hot Dip Galvanizing, Add	*2,138.85*	
		For >10 To 25 Tons, Deduct	*-649.29*	
		For >25 To 50 Tons, Deduct	*-1,336.78*	
		For >50 To 75 Tons, Deduct	*-1,909.69*	
		For >75 Tons, Deduct	*-954.84*	
05 12 23 00-0051	TON	>5" To 12" Diameter Extra Strong Steel, Solid	9,502.93	883.29
		For ASTM A242 Type 2 High Strength Steel, Add	*684.85*	
		For Hot Dip Galvanizing, Add	*2,396.98*	
		For >10 To 25 Tons, Deduct	*-727.66*	
		For >25 To 50 Tons, Deduct	*-1,498.12*	
		For >50 To 75 Tons, Deduct	*-2,140.17*	
		For >75 Tons, Deduct	*-1,070.08*	

05 12 23 00-0052 Column Base Plates *(05 12 23 00-0048)*

05 12 23 00-0053	LB	Column Base Plates, Up To 150 Lb. / Each, A36 Miscellaneous Steel Items	4.14	0.81
		For ASTM A242 Type 2 High Strength Steel, Add	*0.26*	
		For Hot Dip Galvanizing, Add	*0.92*	
05 12 23 00-0054	LB	Column Base Plates, >150 Lb. / Each, A36 Miscellaneous Steel Items	3.90	0.68
		For ASTM A242 Type 2 High Strength Steel, Add	*0.25*	
		For Hot Dip Galvanizing, Add	*0.88*	
05 12 23 00-0055	TON	Column Base Plates, Up To 150 Lb. Each, A36 Miscellaneous Steel Items	7,553.66	715.85
		For ASTM A242 Type 2 High Strength Steel, Add	*543.21*	
		For Hot Dip Galvanizing, Add	*1,901.22*	
		For >10 To 25 Tons, Deduct	*-577.16*	
		For >25 To 50 Tons, Deduct	*-1,188.26*	
		For >50 To 75 Tons, Deduct	*-1,697.52*	
		For >75 Tons, Deduct	*-848.76*	
05 12 23 00-0056	TON	Column Base Plates, >150 Lb. Each, A36 Miscellaneous Steel Items	5,369.33	429.51
		For ASTM A242 Type 2 High Strength Steel, Add	*392.89*	
		For Hot Dip Galvanizing, Add	*1,375.13*	
		For >10 To 25 Tons, Deduct	*-417.45*	
		For >25 To 50 Tons, Deduct	*-859.46*	
		For >50 To 75 Tons, Deduct	*-1,227.80*	
		For >75 Tons, Deduct	*-613.90*	

05 12 23 00-0057 Double Extra Strong Pipes *(05 12 23 00-0048)*

05 12 23 00-0058	TON	2" To 5" Diameter Double Extra Strong Pipe	9,947.75	1,135.72
		For ASTM A242 Type 2 High Strength Steel, Add	*698.90*	
		For Hot Dip Galvanizing, Add	*2,446.15*	
		For >10 To 25 Tons, Deduct	*-742.58*	
		For >25 To 50 Tons, Deduct	*-1,528.85*	
		For >50 To 75 Tons, Deduct	*-2,184.07*	
		For >75 Tons, Deduct	*-1,092.03*	
05 12 23 00-0059	TON	>5" To 8" Diameter Double Extra Strong Pipe	9,388.60	611.52
		For ASTM A242 Type 2 High Strength Steel, Add	*698.90*	
		For Hot Dip Galvanizing, Add	*2,446.15*	
		For >10 To 25 Tons, Deduct	*-742.58*	
		For >25 To 50 Tons, Deduct	*-1,528.85*	
		For >50 To 75 Tons, Deduct	*-2,184.07*	
		For >75 Tons, Deduct	*-1,092.03*	

05 12 23 00-0060 Structural Pipes *(05 12 23 00-0048)*

05 12 23 00-0061	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	6,953.46	524.72
		For ASTM A242 Type 2 High Strength Steel, Add	*491.69*	
		For Hot Dip Galvanizing, Add	*1,720.91*	
		For >10 To 25 Tons, Deduct	*-522.42*	
		For >25 To 50 Tons, Deduct	*-1,075.57*	
		For >50 To 75 Tons, Deduct	*-1,536.53*	
		For >75 Tons, Deduct	*-768.26*	
05 12 23 00-0062	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	7,481.18	605.16
		For ASTM A242 Type 2 High Strength Steel, Add	*491.69*	
		For Hot Dip Galvanizing, Add	*1,720.91*	
		For >10 To 25 Tons, Deduct	*-522.42*	
		For >25 To 50 Tons, Deduct	*-1,075.57*	
		For >50 To 75 Tons, Deduct	*-1,536.53*	
		For >75 Tons, Deduct	*-768.26*	

05 12 23 00-0063 Structural Tubing *(05 12 23 00-0048)*

05 12 23 00-0064 Rectangle Structural Tubing *(05 12 23 00-0063)*

05 12 23 00-0065	TON	3" x 2" Weight Range 5-7 Lb./LF Structural Tubing - Rectangle	11,540.56	530.02
		For ASTM A242 Type 2 High Strength Steel, Add	*878.02*	
		For Hot Dip Galvanizing, Add	*3,073.06*	
		For >10 To 25 Tons, Deduct	*-932.89*	
		For >25 To 50 Tons, Deduct	*-1,920.66*	
		For >50 To 75 Tons, Deduct	*-2,743.80*	
		For >75 Tons, Deduct	*-1,371.90*	
05 12 23 00-0066	TON	4" x 3", 2" Weight Range 6-13 Lb./LF Structural Tubing - Rectangle	11,627.54	611.52
		For ASTM A242 Type 2 High Strength Steel, Add	*878.02*	
		For Hot Dip Galvanizing, Add	*3,073.06*	
		For >10 To 25 Tons, Deduct	*-932.89*	
		For >25 To 50 Tons, Deduct	*-1,920.66*	
		For >50 To 75 Tons, Deduct	*-2,743.80*	
		For >75 Tons, Deduct	*-1,371.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0067	TON	5" x 4", 3", 2" Weight Range 8-20 Lb./LF Structural Tubing - Rectangle	10,145.39	662.53
		For ASTM A242 Type 2 High Strength Steel, Add	*755.09*	
		For Hot Dip Galvanizing, Add	*2,642.83*	
		For >10 To 25 Tons, Deduct	*-802.29*	
		For >25 To 50 Tons, Deduct	*-1,651.77*	
		For >50 To 75 Tons, Deduct	*-2,359.67*	
		For >75 Tons, Deduct	*-1,179.84*	
05 12 23 00-0068	TON	6" x 4", 3", 2" Weight Range 9-29 Lb./LF Structural Tubing - Rectangle	9,628.21	795.04
		For ASTM A242 Type 2 High Strength Steel, Add	*702.41*	
		For Hot Dip Galvanizing, Add	*2,458.44*	
		For >10 To 25 Tons, Deduct	*-746.31*	
		For >25 To 50 Tons, Deduct	*-1,536.53*	
		For >50 To 75 Tons, Deduct	*-2,195.04*	
		For >75 Tons, Deduct	*-1,097.52*	
05 12 23 00-0069	TON	7" x 5", 4", 3" Weight Range 12-35 Lb./LF Structural Tubing - Rectangle	9,465.76	883.29
		For ASTM A242 Type 2 High Strength Steel, Add	*681.88*	
		For Hot Dip Galvanizing, Add	*2,386.58*	
		For >10 To 25 Tons, Deduct	*-724.50*	
		For >25 To 50 Tons, Deduct	*-1,491.61*	
		For >50 To 75 Tons, Deduct	*-2,130.87*	
		For >75 Tons, Deduct	*-1,065.44*	
05 12 23 00-0070	TON	8" x 6", 4", 3", 2" Weight Range 11-42 Lb./LF Structural Tubing - Rectangle	9,626.44	1,222.37
		For ASTM A242 Type 2 High Strength Steel, Add	*665.81*	
		For Hot Dip Galvanizing, Add	*2,330.32*	
		For >10 To 25 Tons, Deduct	*-707.42*	
		For >25 To 50 Tons, Deduct	*-1,456.45*	
		For >50 To 75 Tons, Deduct	*-2,080.64*	
		For >75 Tons, Deduct	*-1,040.32*	
05 12 23 00-0071	TON	10" x 6", 4", 2" Weight Range 15-50 Lb./LF Structural Tubing - Rectangle	10,020.92	1,615.92
		For ASTM A242 Type 2 High Strength Steel, Add	*663.78*	
		For Hot Dip Galvanizing, Add	*2,323.23*	
		For >10 To 25 Tons, Deduct	*-705.27*	
		For >25 To 50 Tons, Deduct	*-1,452.02*	
		For >50 To 75 Tons, Deduct	*-2,074.32*	
		For >75 Tons, Deduct	*-1,037.16*	
05 12 23 00-0072	TON	12" x 6", 4", 2" Weight Range 17-76 Lb./LF Structural Tubing - Rectangle	10,267.93	1,765.12
		For ASTM A242 Type 2 High Strength Steel, Add	*670.80*	
		For Hot Dip Galvanizing, Add	*2,347.82*	
		For >10 To 25 Tons, Deduct	*-712.73*	
		For >25 To 50 Tons, Deduct	*-1,467.39*	
		For >50 To 75 Tons, Deduct	*-2,096.27*	
		For >75 Tons, Deduct	*-1,048.13*	
05 12 23 00-0073	TON	14" x 10", 6", 4" Weight Range 29-76 Lb./LF Structural Tubing - Rectangle	10,505.17	1,987.60
		For ASTM A242 Type 2 High Strength Steel, Add	*670.80*	
		For Hot Dip Galvanizing, Add	*2,347.82*	
		For >10 To 25 Tons, Deduct	*-712.73*	
		For >25 To 50 Tons, Deduct	*-1,467.39*	
		For >50 To 75 Tons, Deduct	*-2,096.27*	
		For >75 Tons, Deduct	*-1,048.13*	
05 12 23 00-0074	TON	16" x 12", 8", 4" Weight Range 40-90 Lb./LF Structural Tubing - Rectangle	11,124.07	2,650.13
		For ASTM A242 Type 2 High Strength Steel, Add	*663.78*	
		For Hot Dip Galvanizing, Add	*2,323.23*	
		For >10 To 25 Tons, Deduct	*-705.27*	
		For >25 To 50 Tons, Deduct	*-1,452.02*	
		For >50 To 75 Tons, Deduct	*-2,074.32*	
		For >75 Tons, Deduct	*-1,037.16*	
05 12 23 00-0075	TON	18" x 6", 4" Weight Range 48-76 Lb./LF Structural Tubing - Rectangle	12,531.76	4,175.68
		For ASTM A242 Type 2 High Strength Steel, Add	*646.22*	
		For Hot Dip Galvanizing, Add	*2,261.77*	
		For >10 To 25 Tons, Deduct	*-686.61*	
		For >25 To 50 Tons, Deduct	*-1,413.61*	
		For >50 To 75 Tons, Deduct	*-2,019.44*	
		For >75 Tons, Deduct	*-1,009.72*	
05 12 23 00-0076	TON	20" x 12", 8", 4" Weight Range 48-105 Lb./LF Structural Tubing - Rectangle	14,216.47	6,097.03
		For ASTM A242 Type 2 High Strength Steel, Add	*617.05*	
		For Hot Dip Galvanizing, Add	*2,159.66*	
		For >10 To 25 Tons, Deduct	*-655.61*	
		For >25 To 50 Tons, Deduct	*-1,349.79*	
		For >50 To 75 Tons, Deduct	*-1,928.27*	
		For >75 Tons, Deduct	*-964.14*	

05 12 23 00-0077 Square Structural Tubing *(05 12 23 00-0063)*

05 12 23 00-0078	TON	2" x 2" Weight Range 4-6 Lb./LF Structural Tubing - Square	11,505.22	496.90
		For ASTM A242 Type 2 High Strength Steel, Add	*878.02*	
		For Hot Dip Galvanizing, Add	*3,073.06*	
		For >10 To 25 Tons, Deduct	*-932.89*	
		For >25 To 50 Tons, Deduct	*-1,920.66*	
		For >50 To 75 Tons, Deduct	*-2,743.80*	
		For >75 Tons, Deduct	*-1,371.90*	
05 12 23 00-0079	TON	2.5" x 2.5" Weight Range 5-8 Lb./LF Structural Tubing - Square	11,540.56	530.02
		For ASTM A242 Type 2 High Strength Steel, Add	*878.02*	
		For Hot Dip Galvanizing, Add	*3,073.06*	
		For >10 To 25 Tons, Deduct	*-932.89*	
		For >25 To 50 Tons, Deduct	*-1,920.66*	
		For >50 To 75 Tons, Deduct	*-2,743.80*	
		For >75 Tons, Deduct	*-1,371.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0080	TON	3" x 3" Weight Range 6-11 Lb./LF Structural Tubing - Square	10,364.89	662.53
		For ASTM A242 Type 2 High Strength Steel, Add	*772.65*	
		For Hot Dip Galvanizing, Add	*2,704.29*	
		For >10 To 25 Tons, Deduct	*-820.95*	
		For >25 To 50 Tons, Deduct	*-1,690.18*	
		For >50 To 75 Tons, Deduct	*-2,414.55*	
		For >75 Tons, Deduct	*-1,207.27*	
05 12 23 00-0081	TON	3.5" x 3.5" Weight Range 8-13 Lb./LF Structural Tubing - Square	10,286.73	795.04
		For ASTM A242 Type 2 High Strength Steel, Add	*755.09*	
		For Hot Dip Galvanizing, Add	*2,642.83*	
		For >10 To 25 Tons, Deduct	*-802.29*	
		For >25 To 50 Tons, Deduct	*-1,651.77*	
		For >50 To 75 Tons, Deduct	*-2,359.67*	
		For >75 Tons, Deduct	*-1,179.84*	
05 12 23 00-0082	TON	4" x 4" Weight Range 10-22 Lb./LF Structural Tubing - Square	8,259.79	993.79
		For ASTM A242 Type 2 High Strength Steel, Add	*575.98*	
		For Hot Dip Galvanizing, Add	*2,015.92*	
		For >10 To 25 Tons, Deduct	*-611.98*	
		For >25 To 50 Tons, Deduct	*-1,259.95*	
		For >50 To 75 Tons, Deduct	*-1,799.93*	
		For >75 Tons, Deduct	*-899.97*	
05 12 23 00-0083	TON	5" x 5" Weight Range 12-30 Lb./LF Structural Tubing - Square	8,411.22	1,135.72
		For ASTM A242 Type 2 High Strength Steel, Add	*575.98*	
		For Hot Dip Galvanizing, Add	*2,015.92*	
		For >10 To 25 Tons, Deduct	*-611.98*	
		For >25 To 50 Tons, Deduct	*-1,259.95*	
		For >50 To 75 Tons, Deduct	*-1,799.93*	
		For >75 Tons, Deduct	*-899.97*	
05 12 23 00-0084	TON	6" x 6" Weight Range 15-35 Lb./LF Structural Tubing - Square	8,895.81	1,590.08
		For ASTM A242 Type 2 High Strength Steel, Add	*575.98*	
		For Hot Dip Galvanizing, Add	*2,015.92*	
		For >10 To 25 Tons, Deduct	*-611.98*	
		For >25 To 50 Tons, Deduct	*-1,259.95*	
		For >50 To 75 Tons, Deduct	*-1,799.93*	
		For >75 Tons, Deduct	*-899.97*	
05 12 23 00-0085	TON	7" x 7" Weight Range 17-42 Lb./LF Structural Tubing - Square	9,451.55	1,987.60
		For ASTM A242 Type 2 High Strength Steel, Add	*586.52*	
		For Hot Dip Galvanizing, Add	*2,052.80*	
		For >10 To 25 Tons, Deduct	*-623.17*	
		For >25 To 50 Tons, Deduct	*-1,283.00*	
		For >50 To 75 Tons, Deduct	*-1,832.86*	
		For >75 Tons, Deduct	*-916.43*	
05 12 23 00-0086	TON	8" x 8" Weight Range 20-60 Lb./LF Structural Tubing - Square	11,343.57	2,650.13
		For ASTM A242 Type 2 High Strength Steel, Add	*681.34*	
		For Hot Dip Galvanizing, Add	*2,384.69*	
		For >10 To 25 Tons, Deduct	*-723.92*	
		For >25 To 50 Tons, Deduct	*-1,490.43*	
		For >50 To 75 Tons, Deduct	*-2,129.19*	
		For >75 Tons, Deduct	*-1,064.60*	
05 12 23 00-0087	TON	10" x 10" Weight Range 33-77 Lb./LF Structural Tubing - Square	12,756.97	3,975.20
		For ASTM A242 Type 2 High Strength Steel, Add	*681.34*	
		For Hot Dip Galvanizing, Add	*2,384.69*	
		For >10 To 25 Tons, Deduct	*-723.92*	
		For >25 To 50 Tons, Deduct	*-1,490.43*	
		For >50 To 75 Tons, Deduct	*-2,129.19*	
		For >75 Tons, Deduct	*-1,064.60*	
05 12 23 00-0088	TON	12" x 12" Weight Range 40-80 Lb./LF Structural Tubing - Square	12,308.21	4,665.69
		For ASTM A242 Type 2 High Strength Steel, Add	*586.52*	
		For Hot Dip Galvanizing, Add	*2,052.80*	
		For >10 To 25 Tons, Deduct	*-623.17*	
		For >25 To 50 Tons, Deduct	*-1,283.00*	
		For >50 To 75 Tons, Deduct	*-1,832.86*	
		For >75 Tons, Deduct	*-916.43*	
05 12 23 00-0089	TON	14" x 14" Weight Range 57-90 Lb./LF Structural Tubing - Square	14,844.55	6,097.03
		For ASTM A242 Type 2 High Strength Steel, Add	*667.29*	
		For Hot Dip Galvanizing, Add	*2,335.52*	
		For >10 To 25 Tons, Deduct	*-709.00*	
		For >25 To 50 Tons, Deduct	*-1,459.70*	
		For >50 To 75 Tons, Deduct	*-2,085.29*	
		For >75 Tons, Deduct	*-1,042.65*	
05 12 23 00-0090	TON	16" x 16" Weight Range 65-105 Lb./LF Structural Tubing - Square	16,997.18	7,950.40
		For ASTM A242 Type 2 High Strength Steel, Add	*681.34*	
		For Hot Dip Galvanizing, Add	*2,384.69*	
		For >10 To 25 Tons, Deduct	*-723.92*	
		For >25 To 50 Tons, Deduct	*-1,490.43*	
		For >50 To 75 Tons, Deduct	*-2,129.19*	
		For >75 Tons, Deduct	*-1,064.60*	

05 12 23 00-0091 Galvanized Steel Pipe Tubing *(05 12 23 00-0063)*

Note: ASTM A53 Grade B

05 12 23 00-0092	LF	2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	43.52	5.84
05 12 23 00-0093	LF	2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	47.93	6.95
05 12 23 00-0094	LF	3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	53.59	9.24
05 12 23 00-0095	LF	3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	57.90	10.30
05 12 23 00-0096	LF	4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	60.66	11.13
05 12 23 00-0097	LF	5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	68.43	13.91
05 12 23 00-0098	LF	6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	76.18	16.69
05 12 23 00-0099	LF	8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	83.96	20.03
05 12 23 00-0100	LF	10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	95.05	24.48
05 12 23 00-0101	LF	12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	112.83	31.16

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0102		**Structural Shapes** *(05 12 23 00-0048)*		
05 12 23 00-0103	TON	Up To 20 Lb./LF Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts	8,299.53	2,863.41
		For ASTM A242 Type 2 High Strength Steel, Add	*300.35*	
		For Hot Dip Galvanizing, Add	*1,051.24*	
		For >20 To 50 Lb./LF, Deduct	*-1,057.21*	
		For >50 To 75 Lb./LF, Deduct	*-1,699.44*	
		For >75 To 100 Lb./LF, Deduct	*-2,341.67*	
		For >10 To 25 Tons, Deduct	*-319.13*	
		For >25 To 50 Tons, Deduct	*-657.03*	
		For >50 To 75 Tons, Deduct	*-938.61*	
		For >75 Tons, Deduct	*-469.30*	
05 12 23 00-0104	TON	Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 Lb. per SF	8,547.37	1,145.37
		For ASTM A242 Type 2 High Strength Steel, Add	*561.94*	
		For Hot Dip Galvanizing, Add	*1,966.80*	
		For >21.5 To 50 Lb./LF, Deduct	*-930.89*	
		For >10 To 25 Tons, Deduct	*-597.06*	
		For >25 To 50 Tons, Deduct	*-1,229.25*	
		For >50 To 75 Tons, Deduct	*-1,756.07*	
		For >75 Tons, Deduct	*-878.04*	
05 12 23 00-0105	LB	Up To 20 Lb./LF Structural Shapes, Primed Pipe Supports	4.98	0.26
05 12 23 00-0106	LB	Structural Shapes, Galvanized Pipe Supports	6.08	0.26
05 12 23 00-0107		**Built-Up Trusses** *(05 12 23 00-0048)*		
05 12 23 00-0108	TON	Up To 50 LF Span Average Weight 100 Lb./LF Trusses, Built-up	9,357.84	397.52
		For >10 To 25 Tons, Deduct	*-759.37*	
		For >25 To 50 Tons, Deduct	*-1,563.42*	
		For >50 To 75 Tons, Deduct	*-2,233.46*	
		For >75 Tons, Deduct	*-1,116.73*	
05 12 23 00-0109	TON	>50-100 LF Span Average Weight 120 Lb./LF Trusses, Built-up	9,257.19	220.75
		For >10 To 25 Tons, Deduct	*-766.84*	
		For >25 To 50 Tons, Deduct	*-1,578.78*	
		For >50 To 75 Tons, Deduct	*-2,255.41*	
		For >75 Tons, Deduct	*-1,127.70*	
05 12 23 00-0110	TON	>100-200 LF Span Average Weight 150 Lb./LF Trusses, Built-up	8,246.36	116.87
		For >10 To 25 Tons, Deduct	*-690.34*	
		For >25 To 50 Tons, Deduct	*-1,421.29*	
		For >50 To 75 Tons, Deduct	*-2,030.41*	
		For >75 Tons, Deduct	*-1,015.21*	
05 12 23 00-0111	TON	>200 LF Span Average Weight 180 Lb./LF Trusses, Built-up	8,019.94	110.51
		For >10 To 25 Tons, Deduct	*-671.68*	
		For >25 To 50 Tons, Deduct	*-1,382.88*	
		For >50 To 75 Tons, Deduct	*-1,975.54*	
		For >75 Tons, Deduct	*-987.77*	
05 12 23 00-0112		**Masonry Plates, Filler Plates, Sole Plates And Anchor Straps** *(05 12 23 00-0048)* Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0113	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	31.04	8.25
05 12 23 00-0114	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	46.56	12.33
05 12 23 00-0115	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	62.08	16.45
05 12 23 00-0116	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	77.60	20.55
05 12 23 00-0117	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	93.12	24.54
05 12 23 00-0118	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	108.64	28.77
05 12 23 00-0119	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	124.16	32.88
05 12 23 00-0120	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	139.68	36.99
05 12 23 00-0121	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	155.20	41.11
05 12 23 00-0122	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	170.72	45.22
05 12 23 00-0123	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	186.24	49.33
05 12 23 00-0124	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	201.76	53.44
05 12 23 00-0125	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	217.29	57.54
05 12 23 00-0126	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	232.82	61.65
05 12 23 00-0127	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	248.33	65.77
05 12 23 00-0128		**Accessories For Steel** *(05 12 23)*		
05 12 23 00-0129		**Field Painting For Touch-Up Of Shop Prime Coat** *(05 12 23 00-0128)*		
05 12 23 00-0130	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	1.44	
05 12 23 00-0131		**Connection And Stiffener Plates** *(05 12 23 00-0128)* Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0132	TON	1/8" Plate Weight 6.16 Lb./SF Connection And Stiffener Plates	20,278.40	
		For >10 To 25 Tons, Deduct	*-1,723.66*	
		For >25 To 50 Tons, Deduct	*-3,548.72*	
		For >50 To 75 Tons, Deduct	*-5,069.60*	
		For >75 Tons, Deduct	*-2,534.80*	
05 12 23 00-0133	TON	3/16" Plate Weight 8.71 Lb./SF Connection And Stiffener Plates	17,301.45	
		For >10 To 25 Tons, Deduct	*-1,470.62*	
		For >25 To 50 Tons, Deduct	*-3,027.75*	
		For >50 To 75 Tons, Deduct	*-4,325.36*	
		For >75 Tons, Deduct	*-2,162.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0134	TON	1/4" Plate Weight 11.26 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0135	TON	5/16" Plate Weight 13.81 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0136	TON	3/8" Plate Weight 16.37 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0137	TON	1/2" Plate Weight 21.47 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0138	TON	9/16" Plate Weight 24.02 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0139	TON	5/8" Plate Weight 26.58 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0140	TON	3/4" Plate Weight 31.68 Lb./SF Connection And Stiffener Plates	12,543.34	
		For >10 To 25 Tons, Deduct	*-1,066.18*	
		For >25 To 50 Tons, Deduct	*-2,195.08*	
		For >50 To 75 Tons, Deduct	*-3,135.84*	
		For >75 Tons, Deduct	*-1,567.92*	
05 12 23 00-0141	TON	7/8" Plate Weight 36.78 Lb./SF Connection And Stiffener Plates	12,543.34	
		For >10 To 25 Tons, Deduct	*-1,066.18*	
		For >25 To 50 Tons, Deduct	*-2,195.08*	
		For >50 To 75 Tons, Deduct	*-3,135.84*	
		For >75 Tons, Deduct	*-1,567.92*	
05 12 23 00-0142	TON	1" Plate Weight 41.89 Lb./SF Connection And Stiffener Plates	12,543.34	
		For >10 To 25 Tons, Deduct	*-1,066.18*	
		For >25 To 50 Tons, Deduct	*-2,195.08*	
		For >50 To 75 Tons, Deduct	*-3,135.84*	
		For >75 Tons, Deduct	*-1,567.92*	

05 12 23 00-0143 Field Applied Cold Galvanizing *(05 12 23 00-0128)*

05 12 23 00-0144	SF	Brush Applied Cold Galvanizing	2.16	

05 12 23 00-0145 Metal Grinding *(05 12 23 00-0128)*

Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.

05 12 23 00-0146	SI	Metal Grinding Up To 1/32" Thickness To Be Removed Note: Includes rust or scale removal on metal and smoothing surface.	1.21	

05 12 23 00-0147 Structural Steel For Buildings And Structures *(05 12 23)*

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.

05 12 23 00-0148 First Tier A992/A36 Structural Steel Columns, W Shapes *(05 12 23 00-0147)*

Note: With base plate. Includes material delivery and erection.

05 12 23 00-0149	LF	W14 x 730 A992/A36 Structural Column	1,496.21	79.42
		For Hot Dip Galvanizing, Add	*391.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*134.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*299.24*	
05 12 23 00-0150	LF	W14 x 665 A992/A36 Structural Column	1,364.77	74.03
		For Hot Dip Galvanizing, Add	*356.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*122.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*272.95*	
05 12 23 00-0151	LF	W14 x 605 A992/A36 Structural Column	1,243.32	68.90
		For Hot Dip Galvanizing, Add	*324.63*	
		For High Strength Low Alloy A572-50 Steel, Add	*111.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*248.66*	
05 12 23 00-0152	LF	W14 x 550 A992/A36 Structural Column	1,131.83	64.09
		For Hot Dip Galvanizing, Add	*295.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*101.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*226.37*	
05 12 23 00-0153	LF	W14 x 500 A992/A36 Structural Column	1,040.35	68.91
		For Hot Dip Galvanizing, Add	*268.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*93.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*208.07*	
05 12 23 00-0154	LF	W14 x 426 A992/A36 Structural Column	887.82	60.16
		For Hot Dip Galvanizing, Add	*228.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*79.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*177.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0155	LF	W14 x 342 A992/A36 Structural Column	718.43	52.07
		For Hot Dip Galvanizing, Add	*183.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*64.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*143.69*	
05 12 23 00-0156	LF	W14 x 311 A992/A36 Structural Column	647.33	48.63
		For Hot Dip Galvanizing, Add	*165.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*58.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*129.47*	
05 12 23 00-0157	LF	W14 x 283 A992/A36 Structural Column	587.81	45.84
		For Hot Dip Galvanizing, Add	*149.56*	
		For High Strength Low Alloy A572-50 Steel, Add	*52.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*117.56*	
05 12 23 00-0158	LF	W14 x 257 A992/A36 Structural Column	517.14	43.46
		For Hot Dip Galvanizing, Add	*130.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*46.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*103.43*	
05 12 23 00-0159	LF	W14 x 233 A992/A36 Structural Column	475.97	40.41
		For Hot Dip Galvanizing, Add	*120.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*95.19*	
05 12 23 00-0160	LF	W14 x 211 A992/A36 Structural Column	423.62	37.63
		For Hot Dip Galvanizing, Add	*106.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*84.72*	
05 12 23 00-0161	LF	W14 x 193 A992/A36 Structural Column	383.41	35.78
		For Hot Dip Galvanizing, Add	*95.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*76.68*	
05 12 23 00-0162	LF	W14 x 176 A992/A36 Structural Column	345.84	34.19
		For Hot Dip Galvanizing, Add	*85.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*69.17*	
05 12 23 00-0163	LF	W14 x 159 A992/A36 Structural Column	313.00	33.00
		For Hot Dip Galvanizing, Add	*77.11*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*62.60*	
05 12 23 00-0164	LF	W14 x 145 A992/A36 Structural Column	302.51	31.94
		For Hot Dip Galvanizing, Add	*74.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*60.50*	
05 12 23 00-0165	LF	W14 x 132 A992/A36 Structural Column	259.15	30.47
		For Hot Dip Galvanizing, Add	*62.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.83*	
05 12 23 00-0166	LF	W14 x 120 A992/A36 Structural Column	243.16	29.68
		For Hot Dip Galvanizing, Add	*58.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*48.63*	
05 12 23 00-0167	LF	W14 x 109 A992/A36 Structural Column	218.00	28.49
		For Hot Dip Galvanizing, Add	*52.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.60*	
05 12 23 00-0168	LF	W14 x 99 A992/A36 Structural Column	199.15	27.70
		For Hot Dip Galvanizing, Add	*47.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.83*	
05 12 23 00-0169	LF	W14 x 90 A992/A36 Structural Column	185.22	27.03
		For Hot Dip Galvanizing, Add	*43.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.04*	
05 12 23 00-0170	LF	W14 x 82 A992/A36 Structural Column	170.82	26.23
		For Hot Dip Galvanizing, Add	*39.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.16*	
05 12 23 00-0171	LF	W14 x 74 A992/A36 Structural Column	154.50	25.58
		For Hot Dip Galvanizing, Add	*35.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.90*	
05 12 23 00-0172	LF	W14 x 68 A992/A36 Structural Column	144.51	25.17
		For Hot Dip Galvanizing, Add	*32.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.01*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.90*	
05 12 23 00-0173	LF	W14 x 61 A992/A36 Structural Column	132.01	24.52
		For Hot Dip Galvanizing, Add	*29.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.40*	
05 12 23 00-0174	LF	W14 x 53 A992/A36 Structural Column	120.48	23.85
		For Hot Dip Galvanizing, Add	*26.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.10*	
05 12 23 00-0175	LF	W14 x 48 A992/A36 Structural Column	113.03	23.46
		For Hot Dip Galvanizing, Add	*24.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.61*	
05 12 23 00-0176	LF	W14 x 43 A992/A36 Structural Column	102.27	23.05
		For Hot Dip Galvanizing, Add	*21.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0177	LF	W12 x 336 A992/A36 Structural Column	682.17	35.37
		For Hot Dip Galvanizing, Add	*178.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*61.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*136.43*	
05 12 23 00-0178	LF	W12 x 305 A992/A36 Structural Column	621.97	34.67
		For Hot Dip Galvanizing, Add	*162.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*55.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*124.39*	
05 12 23 00-0179	LF	W12 x 279 A992/A36 Structural Column	571.65	34.25
		For Hot Dip Galvanizing, Add	*148.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*51.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*114.33*	
05 12 23 00-0180	LF	W12 x 252 A992/A36 Structural Column	518.95	33.39
		For Hot Dip Galvanizing, Add	*134.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*46.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*103.79*	
05 12 23 00-0181	LF	W12 x 230 A992/A36 Structural Column	476.25	32.91
		For Hot Dip Galvanizing, Add	*122.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*95.25*	
05 12 23 00-0182	LF	W12 x 210 A992/A36 Structural Column	437.39	32.45
		For Hot Dip Galvanizing, Add	*111.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*87.48*	
05 12 23 00-0183	LF	W12 x 190 A992/A36 Structural Column	403.52	36.57
		For Hot Dip Galvanizing, Add	*101.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*80.70*	
05 12 23 00-0184	LF	W12 x 170 A992/A36 Structural Column	364.99	35.51
		For Hot Dip Galvanizing, Add	*90.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.85*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*73.00*	
05 12 23 00-0185	LF	W12 x 152 A992/A36 Structural Column	329.16	33.00
		For Hot Dip Galvanizing, Add	*81.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*65.83*	
05 12 23 00-0186	LF	W12 x 136 A992/A36 Structural Column	313.03	32.07
		For Hot Dip Galvanizing, Add	*77.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*62.61*	
05 12 23 00-0187	LF	W12 x 120 A992/A36 Structural Column	237.74	29.41
		For Hot Dip Galvanizing, Add	*57.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.55*	
05 12 23 00-0188	LF	W12 x 106 A992/A36 Structural Column	219.28	28.49
		For Hot Dip Galvanizing, Add	*52.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.86*	
05 12 23 00-0189	LF	W12 x 96 A992/A36 Structural Column	196.46	27.57
		For Hot Dip Galvanizing, Add	*46.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.29*	
05 12 23 00-0190	LF	W12 x 87 A992/A36 Structural Column	181.44	26.64
		For Hot Dip Galvanizing, Add	*42.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.29*	
05 12 23 00-0191	LF	W12 x 79 A992/A36 Structural Column	159.55	25.84
		For Hot Dip Galvanizing, Add	*36.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.91*	
05 12 23 00-0192	LF	W12 x 72 A992/A36 Structural Column	146.24	25.17
		For Hot Dip Galvanizing, Add	*33.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.25*	
05 12 23 00-0193	LF	W12 x 65 A992/A36 Structural Column	133.90	24.65
		For Hot Dip Galvanizing, Add	*29.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.78*	
05 12 23 00-0194	LF	W12 x 58 A992/A36 Structural Column	129.64	24.39
		For Hot Dip Galvanizing, Add	*28.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.93*	
05 12 23 00-0195	LF	W12 x 53 A992/A36 Structural Column	120.48	23.85
		For Hot Dip Galvanizing, Add	*26.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.10*	
05 12 23 00-0196	LF	W12 x 50 A992/A36 Structural Column	116.82	23.72
		For Hot Dip Galvanizing, Add	*25.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.36*	
05 12 23 00-0197	LF	W12 x 45 A992/A36 Structural Column	106.37	23.18
		For Hot Dip Galvanizing, Add	*22.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.27*	
05 12 23 00-0198	LF	W12 x 40 A992/A36 Structural Column	95.60	22.66
		For Hot Dip Galvanizing, Add	*19.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0199	LF	W10 x 112 A992/A36 Structural Column	229.25	29.02
		For Hot Dip Galvanizing, Add	*55.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.85*	
05 12 23 00-0200	LF	W10 x 110 A992/A36 Structural Column	207.59	27.83
		For Hot Dip Galvanizing, Add	*49.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.52*	
05 12 23 00-0201	LF	W10 x 88 A992/A36 Structural Column	186.85	26.90
		For Hot Dip Galvanizing, Add	*43.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.37*	
05 12 23 00-0202	LF	W10 x 77 A992/A36 Structural Column	166.43	25.84
		For Hot Dip Galvanizing, Add	*38.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.29*	
05 12 23 00-0203	LF	W10 x 68 A992/A36 Structural Column	150.11	25.17
		For Hot Dip Galvanizing, Add	*34.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.02*	
05 12 23 00-0204	LF	W10 x 60 A992/A36 Structural Column	132.01	24.52
		For Hot Dip Galvanizing, Add	*29.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.40*	
05 12 23 00-0205	LF	W10 x 54 A992/A36 Structural Column	131.11	24.11
		For Hot Dip Galvanizing, Add	*29.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.22*	
05 12 23 00-0206	LF	W10 x 49 A992/A36 Structural Column	115.40	23.72
		For Hot Dip Galvanizing, Add	*25.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.08*	
05 12 23 00-0207	LF	W10 x 45 A992/A36 Structural Column	111.46	23.33
		For Hot Dip Galvanizing, Add	*24.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.29*	
05 12 23 00-0208	LF	W10 x 39 A992/A36 Structural Column	97.34	22.92
		For Hot Dip Galvanizing, Add	*20.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.47*	
05 12 23 00-0209	LF	W10 x 33 A992/A36 Structural Column	85.15	22.27
		For Hot Dip Galvanizing, Add	*17.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.03*	
05 12 23 00-0210	LF	W8 x 67 A992/A36 Structural Column	144.68	25.17
		For Hot Dip Galvanizing, Add	*32.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.94*	
05 12 23 00-0211	LF	W8 x 58 A992/A36 Structural Column	130.12	24.39
		For Hot Dip Galvanizing, Add	*28.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.02*	
05 12 23 00-0212	LF	W8 x 48 A992/A36 Structural Column	116.68	23.72
		For Hot Dip Galvanizing, Add	*25.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.34*	
05 12 23 00-0213	LF	W8 x 40 A992/A36 Structural Column	100.51	23.05
		For Hot Dip Galvanizing, Add	*21.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.10*	
05 12 23 00-0214	LF	W8 x 35 A992/A36 Structural Column	91.01	22.53
		For Hot Dip Galvanizing, Add	*18.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.20*	
05 12 23 00-0215	LF	W8 x 31 A992/A36 Structural Column	83.39	22.27
		For Hot Dip Galvanizing, Add	*16.56*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.68*	
05 12 23 00-0216	LF	W8 x 28 A992/A36 Structural Column	78.65	21.99
		For Hot Dip Galvanizing, Add	*15.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.73*	
05 12 23 00-0217	LF	W8 x 24 A992/A36 Structural Column	72.94	21.73
		For Hot Dip Galvanizing, Add	*13.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.59*	
05 12 23 00-0218	LF	W8 x 21 A992/A36 Structural Column	69.15	21.60
		For Hot Dip Galvanizing, Add	*12.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.22*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.83*	
05 12 23 00-0219	LF	W8 x 18 A992/A36 Structural Column	62.01	21.20
		For Hot Dip Galvanizing, Add	*10.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.40*	
05 12 23 00-0220	LF	W6 x 25 A992/A36 Structural Column	76.46	21.73
		For Hot Dip Galvanizing, Add	*14.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0221	LF	W6 x 20 A992/A36 Structural Column	65.02	21.34
		For Hot Dip Galvanizing, Add	*11.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.85*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.00*	
05 12 23 00-0222	LF	W6 x 15 A992/A36 Structural Column	56.05	20.67
		For Hot Dip Galvanizing, Add	*9.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.21*	
05 12 23 00-0223	LF	W6 x 12 A992/A36 Structural Column	52.69	20.67
		For Hot Dip Galvanizing, Add	*8.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.54*	
05 12 23 00-0224	LF	W6 x 9 A992/A36 Structural Column	48.39	20.54
		For Hot Dip Galvanizing, Add	*7.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.68*	
05 12 23 00-0225	LF	W5 x 19 A992/A36 Structural Column	64.06	21.34
		For Hot Dip Galvanizing, Add	*11.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.81*	
05 12 23 00-0226	LF	W5 x 16 A992/A36 Structural Column	59.17	21.20
		For Hot Dip Galvanizing, Add	*10.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.83*	
05 12 23 00-0227	LF	W4 x 13 A992/A36 Structural Column	55.55	20.93
		For Hot Dip Galvanizing, Add	*9.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.11*	

05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders, W Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0229	LF	W36 x 300 A992/A36 Structural Beam Or Girder	547.00	86.98
		For Hot Dip Galvanizing, Add	*126.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*49.23*	
		For High Strength Low Alloy A588 Steel, Add	*109.40*	
		For Each Additional Top Copes >2, Add	*4.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-177.53*	
		For Skewed Or Sloped Connections, Add	*65.64*	
05 12 23 00-0230	LF	W36 x 280 A992/A36 Structural Beam Or Girder	529.94	99.38
		For Hot Dip Galvanizing, Add	*117.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*47.69*	
		For High Strength Low Alloy A588 Steel, Add	*105.99*	
		For Each Additional Top Copes >2, Add	*4.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-169.58*	
		For Skewed Or Sloped Connections, Add	*63.59*	
05 12 23 00-0231	LF	W36 x 260 A992/A36 Structural Beam Or Girder	502.26	98.19
		For Hot Dip Galvanizing, Add	*110.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*45.20*	
		For High Strength Low Alloy A588 Steel, Add	*100.45*	
		For Each Additional Top Copes >2, Add	*3.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-160.09*	
		For Skewed Or Sloped Connections, Add	*60.27*	
05 12 23 00-0232	LF	W36 x 240 A992/A36 Structural Beam Or Girder	467.00	83.83
		For Hot Dip Galvanizing, Add	*104.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.03*	
		For High Strength Low Alloy A588 Steel, Add	*93.40*	
		For Each Additional Top Copes >2, Add	*3.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-150.04*	
		For Skewed Or Sloped Connections, Add	*56.04*	
05 12 23 00-0233	LF	W36 x 230 A992/A36 Structural Beam Or Girder	452.53	85.02
		For Hot Dip Galvanizing, Add	*100.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.73*	
		For High Strength Low Alloy A588 Steel, Add	*90.51*	
		For Each Additional Top Copes >2, Add	*3.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-144.78*	
		For Skewed Or Sloped Connections, Add	*54.30*	
05 12 23 00-0234	LF	W36 x 210 A992/A36 Structural Beam Or Girder	431.74	95.01
		For Hot Dip Galvanizing, Add	*91.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.86*	
		For High Strength Low Alloy A588 Steel, Add	*86.35*	
		For Each Additional Top Copes >2, Add	*3.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-135.91*	
		For Skewed Or Sloped Connections, Add	*51.81*	
05 12 23 00-0235	LF	W36 x 194 A992/A36 Structural Beam Or Girder	405.83	81.31
		For Hot Dip Galvanizing, Add	*88.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.52*	
		For High Strength Low Alloy A588 Steel, Add	*81.17*	
		For Each Additional Top Copes >2, Add	*3.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-129.03*	
		For Skewed Or Sloped Connections, Add	*48.70*	
05 12 23 00-0236	LF	W36 x 182 A992/A36 Structural Beam Or Girder	385.45	80.72
		For Hot Dip Galvanizing, Add	*83.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.69*	
		For High Strength Low Alloy A588 Steel, Add	*77.09*	
		For Each Additional Top Copes >2, Add	*2.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-121.99*	
		For Skewed Or Sloped Connections, Add	*46.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0237	LF	W36 x 170 A992/A36 Structural Beam Or Girder	364.72	79.79
		For Hot Dip Galvanizing, Add	*77.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.82*	
		For High Strength Low Alloy A588 Steel, Add	*72.94*	
		For Each Additional Top Copes >2, Add	*2.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-114.89*	
		For Skewed Or Sloped Connections, Add	*43.77*	
05 12 23 00-0238	LF	W36 x 160 A992/A36 Structural Beam Or Girder	361.23	91.96
		For Hot Dip Galvanizing, Add	*73.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.51*	
		For High Strength Low Alloy A588 Steel, Add	*72.25*	
		For Each Additional Top Copes >2, Add	*2.63*	
		For Structural Tees, WT, MT Or ST, Deduct	*-111.72*	
		For Skewed Or Sloped Connections, Add	*43.35*	
05 12 23 00-0239	LF	W36 x 150 A992/A36 Structural Beam Or Girder	346.77	91.29
		For Hot Dip Galvanizing, Add	*69.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.21*	
		For High Strength Low Alloy A588 Steel, Add	*69.35*	
		For Each Additional Top Copes >2, Add	*2.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-106.76*	
		For Skewed Or Sloped Connections, Add	*41.61*	
05 12 23 00-0240	LF	W36 x 135 A992/A36 Structural Beam Or Girder	326.56	90.50
		For Hot Dip Galvanizing, Add	*63.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.39*	
		For High Strength Low Alloy A588 Steel, Add	*65.31*	
		For Each Additional Top Copes >2, Add	*2.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-99.83*	
		For Skewed Or Sloped Connections, Add	*39.19*	
05 12 23 00-0241	LF	W33 x 241 A992/A36 Structural Beam Or Girder	473.09	86.47
		For Hot Dip Galvanizing, Add	*105.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.58*	
		For High Strength Low Alloy A588 Steel, Add	*94.62*	
		For Each Additional Top Copes >2, Add	*3.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-151.75*	
		For Skewed Or Sloped Connections, Add	*56.77*	
05 12 23 00-0242	LF	W33 x 221 A992/A36 Structural Beam Or Girder	439.23	84.34
		For Hot Dip Galvanizing, Add	*96.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.53*	
		For High Strength Low Alloy A588 Steel, Add	*87.85*	
		For Each Additional Top Copes >2, Add	*3.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-140.24*	
		For Skewed Or Sloped Connections, Add	*52.71*	
05 12 23 00-0243	LF	W33 x 201 A992/A36 Structural Beam Or Girder	418.35	94.34
		For Hot Dip Galvanizing, Add	*88.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.65*	
		For High Strength Low Alloy A588 Steel, Add	*83.67*	
		For Each Additional Top Copes >2, Add	*3.18*	
		For Structural Tees, WT, MT Or ST, Deduct	*-131.32*	
		For Skewed Or Sloped Connections, Add	*50.20*	
05 12 23 00-0244	LF	W33 x 170 A992/A36 Structural Beam Or Girder	376.75	92.63
		For Hot Dip Galvanizing, Add	*77.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.91*	
		For High Strength Low Alloy A588 Steel, Add	*75.35*	
		For Each Additional Top Copes >2, Add	*2.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-117.05*	
		For Skewed Or Sloped Connections, Add	*45.21*	
05 12 23 00-0245	LF	W33 x 152 A992/A36 Structural Beam Or Girder	341.85	79.54
		For Hot Dip Galvanizing, Add	*71.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.77*	
		For High Strength Low Alloy A588 Steel, Add	*68.37*	
		For Each Additional Top Copes >2, Add	*2.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-106.92*	
		For Skewed Or Sloped Connections, Add	*41.02*	
05 12 23 00-0246	LF	W33 x 141 A992/A36 Structural Beam Or Girder	335.28	90.77
		For Hot Dip Galvanizing, Add	*66.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.18*	
		For High Strength Low Alloy A588 Steel, Add	*67.06*	
		For Each Additional Top Copes >2, Add	*2.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-102.82*	
		For Skewed Or Sloped Connections, Add	*40.23*	
05 12 23 00-0247	LF	W33 x 130 A992/A36 Structural Beam Or Girder	318.92	90.10
		For Hot Dip Galvanizing, Add	*61.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.70*	
		For High Strength Low Alloy A588 Steel, Add	*63.78*	
		For Each Additional Top Copes >2, Add	*2.23*	
		For Structural Tees, WT, MT Or ST, Deduct	*-97.21*	
		For Skewed Or Sloped Connections, Add	*38.27*	
05 12 23 00-0248	LF	W33 x 118 A992/A36 Structural Beam Or Girder	299.90	89.31
		For Hot Dip Galvanizing, Add	*56.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.99*	
		For High Strength Low Alloy A588 Steel, Add	*59.98*	
		For Each Additional Top Copes >2, Add	*2.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-90.67*	
		For Skewed Or Sloped Connections, Add	*35.99*	
05 12 23 00-0249	LF	W30 x 211 A992/A36 Structural Beam Or Girder	421.56	84.18
		For Hot Dip Galvanizing, Add	*92.06*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.94*	
		For High Strength Low Alloy A588 Steel, Add	*84.31*	
		For Each Additional Top Copes >2, Add	*3.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-134.08*	
		For Skewed Or Sloped Connections, Add	*50.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0250	LF	W30 x 191 A992/A36 Structural Beam Or Girder	400.37	93.69
		For Hot Dip Galvanizing, Add	*83.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.03*	
		For High Strength Low Alloy A588 Steel, Add	*80.07*	
		For Each Additional Top Copes >2, Add	*3.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-125.12*	
		For Skewed Or Sloped Connections, Add	*48.04*	
05 12 23 00-0251	LF	W30 x 173 A992/A36 Structural Beam Or Girder	366.04	80.34
		For Hot Dip Galvanizing, Add	*77.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.94*	
		For High Strength Low Alloy A588 Steel, Add	*73.21*	
		For Each Additional Top Copes >2, Add	*2.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-115.26*	
		For Skewed Or Sloped Connections, Add	*43.92*	
05 12 23 00-0252	LF	W30 x 154 A992/A36 Structural Beam Or Girder	347.08	91.43
		For Hot Dip Galvanizing, Add	*69.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.24*	
		For High Strength Low Alloy A588 Steel, Add	*69.42*	
		For Each Additional Top Copes >2, Add	*2.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-106.85*	
		For Skewed Or Sloped Connections, Add	*41.65*	
05 12 23 00-0253	LF	W30 x 132 A992/A36 Structural Beam Or Girder	308.90	77.51
		For Hot Dip Galvanizing, Add	*62.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.80*	
		For High Strength Low Alloy A588 Steel, Add	*61.78*	
		For Each Additional Top Copes >2, Add	*2.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-95.71*	
		For Skewed Or Sloped Connections, Add	*37.07*	
05 12 23 00-0254	LF	W30 x 124 A992/A36 Structural Beam Or Girder	295.15	77.47
		For Hot Dip Galvanizing, Add	*58.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.56*	
		For High Strength Low Alloy A588 Steel, Add	*59.03*	
		For Each Additional Top Copes >2, Add	*2.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-90.91*	
		For Skewed Or Sloped Connections, Add	*35.42*	
05 12 23 00-0255	LF	W30 x 116 A992/A36 Structural Beam Or Girder	293.94	89.18
		For Hot Dip Galvanizing, Add	*55.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.45*	
		For High Strength Low Alloy A588 Steel, Add	*58.79*	
		For Each Additional Top Copes >2, Add	*1.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-88.61*	
		For Skewed Or Sloped Connections, Add	*35.27*	
05 12 23 00-0256	LF	W30 x 108 A992/A36 Structural Beam Or Girder	271.66	80.30
		For Hot Dip Galvanizing, Add	*51.63*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.45*	
		For High Strength Low Alloy A588 Steel, Add	*54.33*	
		For Each Additional Top Copes >2, Add	*1.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-82.24*	
		For Skewed Or Sloped Connections, Add	*32.60*	
05 12 23 00-0257	LF	W30 x 99 A992/A36 Structural Beam Or Girder	259.99	79.90
		For Hot Dip Galvanizing, Add	*48.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.40*	
		For High Strength Low Alloy A588 Steel, Add	*52.00*	
		For Each Additional Top Copes >2, Add	*1.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-78.24*	
		For Skewed Or Sloped Connections, Add	*31.20*	
05 12 23 00-0258	LF	W27 x 178 A992/A36 Structural Beam Or Girder	407.44	94.07
		For Hot Dip Galvanizing, Add	*85.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.67*	
		For High Strength Low Alloy A588 Steel, Add	*81.49*	
		For Each Additional Top Copes >2, Add	*3.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-127.55*	
		For Skewed Or Sloped Connections, Add	*48.89*	
05 12 23 00-0259	LF	W27 x 161 A992/A36 Structural Beam Or Girder	374.33	90.52
		For Hot Dip Galvanizing, Add	*77.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.69*	
		For High Strength Low Alloy A588 Steel, Add	*74.87*	
		For Each Additional Top Copes >2, Add	*2.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-116.53*	
		For Skewed Or Sloped Connections, Add	*44.92*	
05 12 23 00-0260	LF	W27 x 146 A992/A36 Structural Beam Or Girder	345.03	87.32
		For Hot Dip Galvanizing, Add	*69.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.05*	
		For High Strength Low Alloy A588 Steel, Add	*69.01*	
		For Each Additional Top Copes >2, Add	*2.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-106.79*	
		For Skewed Or Sloped Connections, Add	*41.40*	
05 12 23 00-0261	LF	W27 x 114 A992/A36 Structural Beam Or Girder	274.05	72.54
		For Hot Dip Galvanizing, Add	*54.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.66*	
		For High Strength Low Alloy A588 Steel, Add	*54.81*	
		For Each Additional Top Copes >2, Add	*1.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-84.31*	
		For Skewed Or Sloped Connections, Add	*32.89*	
05 12 23 00-0262	LF	W27 x 102 A992/A36 Structural Beam Or Girder	261.18	79.90
		For Hot Dip Galvanizing, Add	*48.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.51*	
		For High Strength Low Alloy A588 Steel, Add	*52.24*	
		For Each Additional Top Copes >2, Add	*1.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-78.63*	
		For Skewed Or Sloped Connections, Add	*31.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0263	LF	W27 x 94 A992/A36 Structural Beam Or Girder	250.21	79.37
		For Hot Dip Galvanizing, Add	*45.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.52*	
		For High Strength Low Alloy A588 Steel, Add	*50.04*	
		For Each Additional Top Copes >2, Add	*1.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-74.87*	
		For Skewed Or Sloped Connections, Add	*30.03*	
05 12 23 00-0264	LF	W27 x 84 A992/A36 Structural Beam Or Girder	236.82	78.84
		For Hot Dip Galvanizing, Add	*42.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.31*	
		For High Strength Low Alloy A588 Steel, Add	*47.36*	
		For Each Additional Top Copes >2, Add	*1.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.29*	
		For Skewed Or Sloped Connections, Add	*28.42*	
05 12 23 00-0265	LF	W24 x 162 A992/A36 Structural Beam Or Girder	360.50	86.79
		For Hot Dip Galvanizing, Add	*74.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.45*	
		For High Strength Low Alloy A588 Steel, Add	*72.10*	
		For Each Additional Top Copes >2, Add	*2.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-112.29*	
		For Skewed Or Sloped Connections, Add	*43.26*	
05 12 23 00-0266	LF	W24 x 146 A992/A36 Structural Beam Or Girder	330.22	83.20
		For Hot Dip Galvanizing, Add	*67.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.72*	
		For High Strength Low Alloy A588 Steel, Add	*66.04*	
		For Each Additional Top Copes >2, Add	*2.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-102.26*	
		For Skewed Or Sloped Connections, Add	*39.63*	
05 12 23 00-0267	LF	W24 x 131 A992/A36 Structural Beam Or Girder	301.37	79.42
		For Hot Dip Galvanizing, Add	*60.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.12*	
		For High Strength Low Alloy A588 Steel, Add	*60.27*	
		For Each Additional Top Copes >2, Add	*2.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-92.77*	
		For Skewed Or Sloped Connections, Add	*36.16*	
05 12 23 00-0268	LF	W24 x 117 A992/A36 Structural Beam Or Girder	273.98	75.46
		For Hot Dip Galvanizing, Add	*53.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.66*	
		For High Strength Low Alloy A588 Steel, Add	*54.80*	
		For Each Additional Top Copes >2, Add	*1.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-83.82*	
		For Skewed Or Sloped Connections, Add	*32.88*	
05 12 23 00-0269	LF	W24 x 104 A992/A36 Structural Beam Or Girder	248.11	71.36
		For Hot Dip Galvanizing, Add	*47.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.33*	
		For High Strength Low Alloy A588 Steel, Add	*49.62*	
		For Each Additional Top Copes >2, Add	*1.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-75.42*	
		For Skewed Or Sloped Connections, Add	*29.77*	
05 12 23 00-0270	LF	W24 x 94 A992/A36 Structural Beam Or Girder	240.13	79.37
		For Hot Dip Galvanizing, Add	*43.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.61*	
		For High Strength Low Alloy A588 Steel, Add	*48.03*	
		For Each Additional Top Copes >2, Add	*1.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-71.35*	
		For Skewed Or Sloped Connections, Add	*28.82*	
05 12 23 00-0271	LF	W24 x 84 A992/A36 Structural Beam Or Girder	218.75	70.36
		For Hot Dip Galvanizing, Add	*39.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.69*	
		For High Strength Low Alloy A588 Steel, Add	*43.75*	
		For Each Additional Top Copes >2, Add	*1.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.29*	
		For Skewed Or Sloped Connections, Add	*26.25*	
05 12 23 00-0272	LF	W24 x 76 A992/A36 Structural Beam Or Girder	208.49	69.83
		For Hot Dip Galvanizing, Add	*37.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.76*	
		For High Strength Low Alloy A588 Steel, Add	*41.70*	
		For Each Additional Top Copes >2, Add	*1.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.78*	
		For Skewed Or Sloped Connections, Add	*25.02*	
05 12 23 00-0273	LF	W24 x 68 A992/A36 Structural Beam Or Girder	195.59	69.43
		For Hot Dip Galvanizing, Add	*33.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.60*	
		For High Strength Low Alloy A588 Steel, Add	*39.12*	
		For Each Additional Top Copes >2, Add	*1.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.34*	
		For Skewed Or Sloped Connections, Add	*23.47*	
05 12 23 00-0274	LF	W24 x 62 A992/A36 Structural Beam Or Girder	188.81	69.04
		For Hot Dip Galvanizing, Add	*31.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.99*	
		For High Strength Low Alloy A588 Steel, Add	*37.76*	
		For Each Additional Top Copes >2, Add	*1.15*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.03*	
		For Skewed Or Sloped Connections, Add	*22.66*	
05 12 23 00-0275	LF	W24 x 55 A992/A36 Structural Beam Or Girder	179.58	68.77
		For Hot Dip Galvanizing, Add	*29.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.16*	
		For High Strength Low Alloy A588 Steel, Add	*35.92*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.86*	
		For Skewed Or Sloped Connections, Add	*21.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0276	LF	W21 x 147 A992/A36 Structural Beam Or Girder	314.87	71.37
		For Hot Dip Galvanizing, Add	*66.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.34*	
		For High Strength Low Alloy A588 Steel, Add	*62.97*	
		For Each Additional Top Copes >2, Add	*2.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-98.79*	
		For Skewed Or Sloped Connections, Add	*37.78*	
05 12 23 00-0277	LF	W21 x 132 A992/A36 Structural Beam Or Girder	287.11	68.18
		For Hot Dip Galvanizing, Add	*59.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.84*	
		For High Strength Low Alloy A588 Steel, Add	*57.42*	
		For Each Additional Top Copes >2, Add	*2.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-89.58*	
		For Skewed Or Sloped Connections, Add	*34.45*	
05 12 23 00-0278	LF	W21 x 122 A992/A36 Structural Beam Or Girder	269.64	67.04
		For Hot Dip Galvanizing, Add	*54.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.27*	
		For High Strength Low Alloy A588 Steel, Add	*53.93*	
		For Each Additional Top Copes >2, Add	*1.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-83.65*	
		For Skewed Or Sloped Connections, Add	*32.36*	
05 12 23 00-0279	LF	W21 x 111 A992/A36 Structural Beam Or Girder	249.50	64.89
		For Hot Dip Galvanizing, Add	*50.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.46*	
		For High Strength Low Alloy A588 Steel, Add	*49.90*	
		For Each Additional Top Copes >2, Add	*1.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-76.94*	
		For Skewed Or Sloped Connections, Add	*29.94*	
05 12 23 00-0280	LF	W21 x 101 A992/A36 Structural Beam Or Girder	231.03	62.81
		For Hot Dip Galvanizing, Add	*45.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.79*	
		For High Strength Low Alloy A588 Steel, Add	*46.21*	
		For Each Additional Top Copes >2, Add	*1.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.81*	
		For Skewed Or Sloped Connections, Add	*27.72*	
05 12 23 00-0281	LF	W21 x 93 A992/A36 Structural Beam Or Girder	226.96	71.16
		For Hot Dip Galvanizing, Add	*41.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.43*	
		For High Strength Low Alloy A588 Steel, Add	*45.39*	
		For Each Additional Top Copes >2, Add	*1.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.05*	
		For Skewed Or Sloped Connections, Add	*27.24*	
05 12 23 00-0282	LF	W21 x 83 A992/A36 Structural Beam Or Girder	214.86	70.36
		For Hot Dip Galvanizing, Add	*38.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.34*	
		For High Strength Low Alloy A588 Steel, Add	*42.97*	
		For Each Additional Top Copes >2, Add	*1.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.93*	
		For Skewed Or Sloped Connections, Add	*25.78*	
05 12 23 00-0283	LF	W21 x 73 A992/A36 Structural Beam Or Girder	200.04	69.83
		For Hot Dip Galvanizing, Add	*34.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.00*	
		For High Strength Low Alloy A588 Steel, Add	*40.01*	
		For Each Additional Top Copes >2, Add	*1.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.84*	
		For Skewed Or Sloped Connections, Add	*24.00*	
05 12 23 00-0284	LF	W21 x 68 A992/A36 Structural Beam Or Girder	192.58	69.43
		For Hot Dip Galvanizing, Add	*32.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.33*	
		For High Strength Low Alloy A588 Steel, Add	*38.52*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.29*	
		For Skewed Or Sloped Connections, Add	*23.11*	
05 12 23 00-0285	LF	W21 x 62 A992/A36 Structural Beam Or Girder	185.80	69.04
		For Hot Dip Galvanizing, Add	*31.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.72*	
		For High Strength Low Alloy A588 Steel, Add	*37.16*	
		For Each Additional Top Copes >2, Add	*1.12*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.98*	
		For Skewed Or Sloped Connections, Add	*22.30*	
05 12 23 00-0286	LF	W21 x 57 A992/A36 Structural Beam Or Girder	179.71	68.91
		For Hot Dip Galvanizing, Add	*29.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.17*	
		For High Strength Low Alloy A588 Steel, Add	*35.94*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.89*	
		For Skewed Or Sloped Connections, Add	*21.57*	
05 12 23 00-0287	LF	W21 x 50 A992/A36 Structural Beam Or Girder	159.20	59.76
		For Hot Dip Galvanizing, Add	*26.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.33*	
		For High Strength Low Alloy A588 Steel, Add	*31.84*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.14*	
		For Skewed Or Sloped Connections, Add	*19.10*	
05 12 23 00-0288	LF	W21 x 44 A992/A36 Structural Beam Or Girder	152.08	59.50
		For Hot Dip Galvanizing, Add	*24.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.69*	
		For High Strength Low Alloy A588 Steel, Add	*30.42*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.71*	
		For Skewed Or Sloped Connections, Add	*18.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0289	LF	W18 x 119 A992/A36 Structural Beam Or Girder	262.42	66.81
		For Hot Dip Galvanizing, Add	*53.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.62*	
		For High Strength Low Alloy A588 Steel, Add	*52.48*	
		For Each Additional Top Copes >2, Add	*1.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.16*	
		For Skewed Or Sloped Connections, Add	*31.49*	
05 12 23 00-0290	LF	W18 x 106 A992/A36 Structural Beam Or Girder	237.80	63.31
		For Hot Dip Galvanizing, Add	*47.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.40*	
		For High Strength Low Alloy A588 Steel, Add	*47.56*	
		For Each Additional Top Copes >2, Add	*1.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.10*	
		For Skewed Or Sloped Connections, Add	*28.54*	
05 12 23 00-0291	LF	W18 x 97 A992/A36 Structural Beam Or Girder	231.88	71.16
		For Hot Dip Galvanizing, Add	*43.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.87*	
		For High Strength Low Alloy A588 Steel, Add	*46.38*	
		For Each Additional Top Copes >2, Add	*1.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-69.75*	
		For Skewed Or Sloped Connections, Add	*27.83*	
05 12 23 00-0292	LF	W18 x 86 A992/A36 Structural Beam Or Girder	217.99	70.49
		For Hot Dip Galvanizing, Add	*39.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.62*	
		For High Strength Low Alloy A588 Steel, Add	*43.60*	
		For Each Additional Top Copes >2, Add	*1.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.01*	
		For Skewed Or Sloped Connections, Add	*26.16*	
05 12 23 00-0293	LF	W18 x 76 A992/A36 Structural Beam Or Girder	205.48	69.83
		For Hot Dip Galvanizing, Add	*36.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.49*	
		For High Strength Low Alloy A588 Steel, Add	*41.10*	
		For Each Additional Top Copes >2, Add	*1.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.73*	
		For Skewed Or Sloped Connections, Add	*24.66*	
05 12 23 00-0294	LF	W18 x 71 A992/A36 Structural Beam Or Girder	196.38	69.69
		For Hot Dip Galvanizing, Add	*33.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.67*	
		For High Strength Low Alloy A588 Steel, Add	*39.28*	
		For Each Additional Top Copes >2, Add	*1.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.58*	
		For Skewed Or Sloped Connections, Add	*23.57*	
05 12 23 00-0295	LF	W18 x 65 A992/A36 Structural Beam Or Girder	187.48	69.43
		For Hot Dip Galvanizing, Add	*31.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.87*	
		For High Strength Low Alloy A588 Steel, Add	*37.50*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-54.53*	
		For Skewed Or Sloped Connections, Add	*22.50*	
05 12 23 00-0296	LF	W18 x 60 A992/A36 Structural Beam Or Girder	179.48	68.91
		For Hot Dip Galvanizing, Add	*29.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.15*	
		For High Strength Low Alloy A588 Steel, Add	*35.90*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.79*	
		For Skewed Or Sloped Connections, Add	*21.54*	
05 12 23 00-0297	LF	W18 x 55 A992/A36 Structural Beam Or Girder	171.44	68.77
		For Hot Dip Galvanizing, Add	*27.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.43*	
		For High Strength Low Alloy A588 Steel, Add	*34.29*	
		For Each Additional Top Copes >2, Add	*0.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-49.01*	
		For Skewed Or Sloped Connections, Add	*20.57*	
05 12 23 00-0298	LF	W18 x 50 A992/A36 Structural Beam Or Girder	154.25	59.76
		For Hot Dip Galvanizing, Add	*25.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.88*	
		For High Strength Low Alloy A588 Steel, Add	*30.85*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.41*	
		For Skewed Or Sloped Connections, Add	*18.51*	
05 12 23 00-0299	LF	W18 x 46 A992/A36 Structural Beam Or Girder	147.96	59.63
		For Hot Dip Galvanizing, Add	*23.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.32*	
		For High Strength Low Alloy A588 Steel, Add	*29.59*	
		For Each Additional Top Copes >2, Add	*0.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.25*	
		For Skewed Or Sloped Connections, Add	*17.76*	
05 12 23 00-0300	LF	W18 x 40 A992/A36 Structural Beam Or Girder	129.32	50.88
		For Hot Dip Galvanizing, Add	*20.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.64*	
		For High Strength Low Alloy A588 Steel, Add	*25.86*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.11*	
		For Skewed Or Sloped Connections, Add	*15.52*	
05 12 23 00-0301	LF	W18 x 35 A992/A36 Structural Beam Or Girder	121.45	50.75
		For Hot Dip Galvanizing, Add	*18.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.93*	
		For High Strength Low Alloy A588 Steel, Add	*24.29*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.40*	
		For Skewed Or Sloped Connections, Add	*14.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0302	LF	W16 x 100 A992/A36 Structural Beam Or Girder	216.78	46.25
		For Hot Dip Galvanizing, Add	*46.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.51*	
		For High Strength Low Alloy A588 Steel, Add	*43.36*	
		For Each Additional Top Copes >2, Add	*1.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.48*	
		For Skewed Or Sloped Connections, Add	*26.01*	
05 12 23 00-0303	LF	W16 x 89 A992/A36 Structural Beam Or Girder	199.01	45.45
		For Hot Dip Galvanizing, Add	*41.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.91*	
		For High Strength Low Alloy A588 Steel, Add	*39.80*	
		For Each Additional Top Copes >2, Add	*1.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.38*	
		For Skewed Or Sloped Connections, Add	*23.88*	
05 12 23 00-0304	LF	W16 x 77 A992/A36 Structural Beam Or Girder	179.95	44.92
		For Hot Dip Galvanizing, Add	*36.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.20*	
		For High Strength Low Alloy A588 Steel, Add	*35.99*	
		For Each Additional Top Copes >2, Add	*1.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.81*	
		For Skewed Or Sloped Connections, Add	*21.59*	
05 12 23 00-0305	LF	W16 x 67 A992/A36 Structural Beam Or Girder	163.73	44.26
		For Hot Dip Galvanizing, Add	*32.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.74*	
		For High Strength Low Alloy A588 Steel, Add	*32.75*	
		For Each Additional Top Copes >2, Add	*1.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.23*	
		For Skewed Or Sloped Connections, Add	*19.65*	
05 12 23 00-0306	LF	W16 x 57 A992/A36 Structural Beam Or Girder	147.68	43.59
		For Hot Dip Galvanizing, Add	*28.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.29*	
		For High Strength Low Alloy A588 Steel, Add	*29.54*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.71*	
		For Skewed Or Sloped Connections, Add	*17.72*	
05 12 23 00-0307	LF	W16 x 50 A992/A36 Structural Beam Or Girder	136.50	43.20
		For Hot Dip Galvanizing, Add	*25.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.29*	
		For High Strength Low Alloy A588 Steel, Add	*27.30*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.86*	
		For Skewed Or Sloped Connections, Add	*16.38*	
05 12 23 00-0308	LF	W16 x 45 A992/A36 Structural Beam Or Girder	128.61	42.93
		For Hot Dip Galvanizing, Add	*22.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.57*	
		For High Strength Low Alloy A588 Steel, Add	*25.72*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.14*	
		For Skewed Or Sloped Connections, Add	*15.43*	
05 12 23 00-0309	LF	W16 x 40 A992/A36 Structural Beam Or Girder	120.44	42.53
		For Hot Dip Galvanizing, Add	*20.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.84*	
		For High Strength Low Alloy A588 Steel, Add	*24.09*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.34*	
		For Skewed Or Sloped Connections, Add	*14.45*	
05 12 23 00-0310	LF	W16 x 36 A992/A36 Structural Beam Or Girder	114.04	42.27
		For Hot Dip Galvanizing, Add	*19.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.26*	
		For High Strength Low Alloy A588 Steel, Add	*22.81*	
		For Each Additional Top Copes >2, Add	*0.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.16*	
		For Skewed Or Sloped Connections, Add	*13.68*	
05 12 23 00-0311	LF	W16 x 31 A992/A36 Structural Beam Or Girder	97.11	33.66
		For Hot Dip Galvanizing, Add	*16.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.74*	
		For High Strength Low Alloy A588 Steel, Add	*19.42*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.60*	
		For Skewed Or Sloped Connections, Add	*11.65*	
05 12 23 00-0312	LF	W16 x 26 A992/A36 Structural Beam Or Girder	86.82	33.26
		For Hot Dip Galvanizing, Add	*14.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.81*	
		For High Strength Low Alloy A588 Steel, Add	*17.36*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.06*	
		For Skewed Or Sloped Connections, Add	*10.42*	
05 12 23 00-0313	LF	W14 x 99 A992/A36 Structural Beam Or Girder	206.31	37.90
		For Hot Dip Galvanizing, Add	*46.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.57*	
		For High Strength Low Alloy A588 Steel, Add	*41.26*	
		For Each Additional Top Copes >2, Add	*1.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.15*	
		For Skewed Or Sloped Connections, Add	*24.76*	
05 12 23 00-0314	LF	W14 x 90 A992/A36 Structural Beam Or Girder	191.84	37.23
		For Hot Dip Galvanizing, Add	*42.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.27*	
		For High Strength Low Alloy A588 Steel, Add	*38.37*	
		For Each Additional Top Copes >2, Add	*1.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.18*	
		For Skewed Or Sloped Connections, Add	*23.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0315	LF	W14 x 82 A992/A36 Structural Beam Or Girder	178.94	36.84
		For Hot Dip Galvanizing, Add	*38.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.10*	
		For High Strength Low Alloy A588 Steel, Add	*35.79*	
		For Each Additional Top Copes >2, Add	*1.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.75*	
		For Skewed Or Sloped Connections, Add	*21.47*	
05 12 23 00-0316	LF	W14 x 74 A992/A36 Structural Beam Or Girder	166.05	36.31
		For Hot Dip Galvanizing, Add	*35.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.94*	
		For High Strength Low Alloy A588 Steel, Add	*33.21*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.31*	
		For Skewed Or Sloped Connections, Add	*19.93*	
05 12 23 00-0317	LF	W14 x 68 A992/A36 Structural Beam Or Girder	156.44	35.91
		For Hot Dip Galvanizing, Add	*32.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.08*	
		For High Strength Low Alloy A588 Steel, Add	*31.29*	
		For Each Additional Top Copes >2, Add	*1.18*	
		For Structural Tees, WT, MT Or ST, Deduct	*-49.01*	
		For Skewed Or Sloped Connections, Add	*18.77*	
05 12 23 00-0318	LF	W14 x 61 A992/A36 Structural Beam Or Girder	145.26	35.51
		For Hot Dip Galvanizing, Add	*29.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.07*	
		For High Strength Low Alloy A588 Steel, Add	*29.05*	
		For Each Additional Top Copes >2, Add	*1.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-45.16*	
		For Skewed Or Sloped Connections, Add	*17.43*	
05 12 23 00-0319	LF	W14 x 53 A992/A36 Structural Beam Or Girder	132.52	34.98
		For Hot Dip Galvanizing, Add	*26.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.93*	
		For High Strength Low Alloy A588 Steel, Add	*26.50*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.78*	
		For Skewed Or Sloped Connections, Add	*15.90*	
05 12 23 00-0320	LF	W14 x 48 A992/A36 Structural Beam Or Girder	124.34	34.58
		For Hot Dip Galvanizing, Add	*24.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.19*	
		For High Strength Low Alloy A588 Steel, Add	*24.87*	
		For Each Additional Top Copes >2, Add	*0.87*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.97*	
		For Skewed Or Sloped Connections, Add	*14.92*	
05 12 23 00-0321	LF	W14 x 43 A992/A36 Structural Beam Or Girder	116.29	34.45
		For Hot Dip Galvanizing, Add	*22.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.47*	
		For High Strength Low Alloy A588 Steel, Add	*23.26*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.20*	
		For Skewed Or Sloped Connections, Add	*13.95*	
05 12 23 00-0322	LF	W14 x 38 A992/A36 Structural Beam Or Girder	108.29	34.19
		For Hot Dip Galvanizing, Add	*19.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.75*	
		For High Strength Low Alloy A588 Steel, Add	*21.66*	
		For Each Additional Top Copes >2, Add	*0.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.46*	
		For Skewed Or Sloped Connections, Add	*12.99*	
05 12 23 00-0323	LF	W14 x 34 A992/A36 Structural Beam Or Girder	101.83	33.79
		For Hot Dip Galvanizing, Add	*18.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.16*	
		For High Strength Low Alloy A588 Steel, Add	*20.37*	
		For Each Additional Top Copes >2, Add	*0.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.23*	
		For Skewed Or Sloped Connections, Add	*12.22*	
05 12 23 00-0324	LF	W14 x 30 A992/A36 Structural Beam Or Girder	95.38	33.66
		For Hot Dip Galvanizing, Add	*16.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.58*	
		For High Strength Low Alloy A588 Steel, Add	*19.08*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.02*	
		For Skewed Or Sloped Connections, Add	*11.45*	
05 12 23 00-0325	LF	W14 x 26 A992/A36 Structural Beam Or Girder	88.92	33.26
		For Hot Dip Galvanizing, Add	*14.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.00*	
		For High Strength Low Alloy A588 Steel, Add	*17.78*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.80*	
		For Skewed Or Sloped Connections, Add	*10.67*	
05 12 23 00-0326	LF	W14 x 22 A992/A36 Structural Beam Or Girder	82.65	33.13
		For Hot Dip Galvanizing, Add	*13.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.44*	
		For High Strength Low Alloy A588 Steel, Add	*16.53*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.64*	
		For Skewed Or Sloped Connections, Add	*9.92*	
05 12 23 00-0327	LF	W12 x 87 A992/A36 Structural Beam Or Girder	187.13	37.10
		For Hot Dip Galvanizing, Add	*40.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.84*	
		For High Strength Low Alloy A588 Steel, Add	*37.43*	
		For Each Additional Top Copes >2, Add	*1.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.55*	
		For Skewed Or Sloped Connections, Add	*22.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0328	LF	W12 x 79 A992/A36 Structural Beam Or Girder	174.21	36.57
		For Hot Dip Galvanizing, Add	*37.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.68*	
		For High Strength Low Alloy A588 Steel, Add	*34.84*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.11*	
		For Skewed Or Sloped Connections, Add	*20.91*	
05 12 23 00-0329	LF	W12 x 72 A992/A36 Structural Beam Or Girder	162.90	36.17
		For Hot Dip Galvanizing, Add	*34.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.66*	
		For High Strength Low Alloy A588 Steel, Add	*32.58*	
		For Each Additional Top Copes >2, Add	*1.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.23*	
		For Skewed Or Sloped Connections, Add	*19.55*	
05 12 23 00-0330	LF	W12 x 65 A992/A36 Structural Beam Or Girder	151.71	35.78
		For Hot Dip Galvanizing, Add	*31.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.65*	
		For High Strength Low Alloy A588 Steel, Add	*30.34*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.37*	
		For Skewed Or Sloped Connections, Add	*18.21*	
05 12 23 00-0331	LF	W12 x 58 A992/A36 Structural Beam Or Girder	140.39	35.25
		For Hot Dip Galvanizing, Add	*28.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.64*	
		For High Strength Low Alloy A588 Steel, Add	*28.08*	
		For Each Additional Top Copes >2, Add	*1.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.49*	
		For Skewed Or Sloped Connections, Add	*16.85*	
05 12 23 00-0332	LF	W12 x 53 A992/A36 Structural Beam Or Girder	132.52	34.98
		For Hot Dip Galvanizing, Add	*26.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.93*	
		For High Strength Low Alloy A588 Steel, Add	*26.50*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.78*	
		For Skewed Or Sloped Connections, Add	*15.90*	
05 12 23 00-0333	LF	W12 x 50 A992/A36 Structural Beam Or Girder	127.48	34.85
		For Hot Dip Galvanizing, Add	*25.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.47*	
		For High Strength Low Alloy A588 Steel, Add	*25.50*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.05*	
		For Skewed Or Sloped Connections, Add	*15.30*	
05 12 23 00-0334	LF	W12 x 45 A992/A36 Structural Beam Or Girder	119.61	34.58
		For Hot Dip Galvanizing, Add	*22.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.76*	
		For High Strength Low Alloy A588 Steel, Add	*23.92*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.34*	
		For Skewed Or Sloped Connections, Add	*14.35*	
05 12 23 00-0335	LF	W12 x 40 A992/A36 Structural Beam Or Girder	102.41	25.71
		For Hot Dip Galvanizing, Add	*20.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.22*	
		For High Strength Low Alloy A588 Steel, Add	*20.48*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.73*	
		For Skewed Or Sloped Connections, Add	*12.29*	
05 12 23 00-0336	LF	W12 x 35 A992/A36 Structural Beam Or Girder	94.55	25.58
		For Hot Dip Galvanizing, Add	*18.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.51*	
		For High Strength Low Alloy A588 Steel, Add	*18.91*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.02*	
		For Skewed Or Sloped Connections, Add	*11.35*	
05 12 23 00-0337	LF	W12 x 30 A992/A36 Structural Beam Or Girder	86.37	25.17
		For Hot Dip Galvanizing, Add	*16.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.77*	
		For High Strength Low Alloy A588 Steel, Add	*17.27*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.21*	
		For Skewed Or Sloped Connections, Add	*10.36*	
05 12 23 00-0338	LF	W12 x 26 A992/A36 Structural Beam Or Girder	79.92	24.91
		For Hot Dip Galvanizing, Add	*14.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.19*	
		For High Strength Low Alloy A588 Steel, Add	*15.98*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.00*	
		For Skewed Or Sloped Connections, Add	*9.59*	
05 12 23 00-0339	LF	W12 x 22 A992/A36 Structural Beam Or Girder	73.63	24.65
		For Hot Dip Galvanizing, Add	*13.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.63*	
		For High Strength Low Alloy A588 Steel, Add	*14.73*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.84*	
		For Skewed Or Sloped Connections, Add	*8.84*	
05 12 23 00-0340	LF	W12 x 19 A992/A36 Structural Beam Or Girder	68.72	24.52
		For Hot Dip Galvanizing, Add	*11.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.18*	
		For High Strength Low Alloy A588 Steel, Add	*13.74*	
		For Each Additional Top Copes >2, Add	*0.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.14*	
		For Skewed Or Sloped Connections, Add	*8.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0341	LF	W12 x 16 A992/A36 Structural Beam Or Girder	63.87	24.11
		For Hot Dip Galvanizing, Add	*10.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.75*	
		For High Strength Low Alloy A588 Steel, Add	*12.77*	
		For Each Additional Top Copes >2, Add	*0.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.48*	
		For Skewed Or Sloped Connections, Add	*7.66*	
05 12 23 00-0342	LF	W12 x 14 A992/A36 Structural Beam Or Girder	60.73	24.11
		For Hot Dip Galvanizing, Add	*9.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.47*	
		For High Strength Low Alloy A588 Steel, Add	*12.15*	
		For Each Additional Top Copes >2, Add	*0.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.40*	
		For Skewed Or Sloped Connections, Add	*7.29*	
05 12 23 00-0343	LF	W10 x 68 A992/A36 Structural Beam Or Girder	147.91	27.70
		For Hot Dip Galvanizing, Add	*32.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.31*	
		For High Strength Low Alloy A588 Steel, Add	*29.58*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.36*	
		For Skewed Or Sloped Connections, Add	*17.75*	
05 12 23 00-0344	LF	W10 x 60 A992/A36 Structural Beam Or Girder	135.19	27.16
		For Hot Dip Galvanizing, Add	*29.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.17*	
		For High Strength Low Alloy A588 Steel, Add	*27.04*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.98*	
		For Skewed Or Sloped Connections, Add	*16.22*	
05 12 23 00-0345	LF	W10 x 54 A992/A36 Structural Beam Or Girder	125.41	26.64
		For Hot Dip Galvanizing, Add	*26.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.29*	
		For High Strength Low Alloy A588 Steel, Add	*25.08*	
		For Each Additional Top Copes >2, Add	*0.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.62*	
		For Skewed Or Sloped Connections, Add	*15.05*	
05 12 23 00-0346	LF	W10 x 49 A992/A36 Structural Beam Or Girder	117.41	26.36
		For Hot Dip Galvanizing, Add	*24.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.57*	
		For High Strength Low Alloy A588 Steel, Add	*23.48*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.88*	
		For Skewed Or Sloped Connections, Add	*14.09*	
05 12 23 00-0347	LF	W10 x 45 A992/A36 Structural Beam Or Girder	110.96	26.23
		For Hot Dip Galvanizing, Add	*23.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.99*	
		For High Strength Low Alloy A588 Steel, Add	*22.19*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.66*	
		For Skewed Or Sloped Connections, Add	*13.32*	
05 12 23 00-0348	LF	W10 x 39 A992/A36 Structural Beam Or Girder	101.36	25.71
		For Hot Dip Galvanizing, Add	*20.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.12*	
		For High Strength Low Alloy A588 Steel, Add	*20.27*	
		For Each Additional Top Copes >2, Add	*0.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.36*	
		For Skewed Or Sloped Connections, Add	*12.16*	
05 12 23 00-0349	LF	W10 x 33 A992/A36 Structural Beam Or Girder	91.76	25.30
		For Hot Dip Galvanizing, Add	*17.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.26*	
		For High Strength Low Alloy A588 Steel, Add	*18.35*	
		For Each Additional Top Copes >2, Add	*0.65*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.06*	
		For Skewed Or Sloped Connections, Add	*11.01*	
05 12 23 00-0350	LF	W10 x 30 A992/A36 Structural Beam Or Girder	86.86	25.17
		For Hot Dip Galvanizing, Add	*16.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.82*	
		For High Strength Low Alloy A588 Steel, Add	*17.37*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.37*	
		For Skewed Or Sloped Connections, Add	*10.42*	
05 12 23 00-0351	LF	W10 x 26 A992/A36 Structural Beam Or Girder	80.58	25.04
		For Hot Dip Galvanizing, Add	*14.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.25*	
		For High Strength Low Alloy A588 Steel, Add	*16.12*	
		For Each Additional Top Copes >2, Add	*0.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.21*	
		For Skewed Or Sloped Connections, Add	*9.67*	
05 12 23 00-0352	LF	W10 x 22 A992/A36 Structural Beam Or Girder	73.98	24.65
		For Hot Dip Galvanizing, Add	*13.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.66*	
		For High Strength Low Alloy A588 Steel, Add	*14.80*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.96*	
		For Skewed Or Sloped Connections, Add	*8.88*	
05 12 23 00-0353	LF	W10 x 19 A992/A36 Structural Beam Or Girder	69.26	24.52
		For Hot Dip Galvanizing, Add	*11.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.23*	
		For High Strength Low Alloy A588 Steel, Add	*13.85*	
		For Each Additional Top Copes >2, Add	*0.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.33*	
		For Skewed Or Sloped Connections, Add	*8.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0354	LF	W10 x 17 A992/A36 Structural Beam Or Girder	65.94	24.39
		For Hot Dip Galvanizing, Add	*11.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.93*	
		For High Strength Low Alloy A588 Steel, Add	*13.19*	
		For Each Additional Top Copes >2, Add	*0.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.18*	
		For Skewed Or Sloped Connections, Add	*7.91*	
05 12 23 00-0355	LF	W10 x 15 A992/A36 Structural Beam Or Girder	62.80	24.11
		For Hot Dip Galvanizing, Add	*10.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.65*	
		For High Strength Low Alloy A588 Steel, Add	*12.56*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.10*	
		For Skewed Or Sloped Connections, Add	*7.54*	
05 12 23 00-0356	LF	W10 x 12 A992/A36 Structural Beam Or Girder	58.08	24.11
		For Hot Dip Galvanizing, Add	*8.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.23*	
		For High Strength Low Alloy A588 Steel, Add	*11.62*	
		For Each Additional Top Copes >2, Add	*0.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.47*	
		For Skewed Or Sloped Connections, Add	*6.97*	
05 12 23 00-0357	LF	W8 x 35 A992/A36 Structural Beam Or Girder	94.90	25.58
		For Hot Dip Galvanizing, Add	*18.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.54*	
		For High Strength Low Alloy A588 Steel, Add	*18.98*	
		For Each Additional Top Copes >2, Add	*0.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.14*	
		For Skewed Or Sloped Connections, Add	*11.39*	
05 12 23 00-0358	LF	W8 x 31 A992/A36 Structural Beam Or Girder	88.45	25.17
		For Hot Dip Galvanizing, Add	*17.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.96*	
		For High Strength Low Alloy A588 Steel, Add	*17.69*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.92*	
		For Skewed Or Sloped Connections, Add	*10.61*	
05 12 23 00-0359	LF	W8 x 28 A992/A36 Structural Beam Or Girder	82.25	23.72
		For Hot Dip Galvanizing, Add	*15.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.40*	
		For High Strength Low Alloy A588 Steel, Add	*16.45*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.99*	
		For Skewed Or Sloped Connections, Add	*9.87*	
05 12 23 00-0360	LF	W8 x 24 A992/A36 Structural Beam Or Girder	75.03	22.27
		For Hot Dip Galvanizing, Add	*14.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.75*	
		For High Strength Low Alloy A588 Steel, Add	*15.01*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.70*	
		For Skewed Or Sloped Connections, Add	*9.00*	
05 12 23 00-0361	LF	W8 x 21 A992/A36 Structural Beam Or Girder	69.81	20.67
		For Hot Dip Galvanizing, Add	*13.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.28*	
		For High Strength Low Alloy A588 Steel, Add	*13.96*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.12*	
		For Skewed Or Sloped Connections, Add	*8.38*	
05 12 23 00-0362	LF	W8 x 18 A992/A36 Structural Beam Or Girder	61.15	19.22
		For Hot Dip Galvanizing, Add	*11.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.50*	
		For High Strength Low Alloy A588 Steel, Add	*12.23*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.32*	
		For Skewed Or Sloped Connections, Add	*7.34*	
05 12 23 00-0363	LF	W8 x 10 A992/A36 Structural Beam Or Girder	36.25	13.78
		For Hot Dip Galvanizing, Add	*6.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.26*	
		For High Strength Low Alloy A588 Steel, Add	*7.25*	
		For Each Additional Top Copes >2, Add	*0.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-10.50*	
		For Skewed Or Sloped Connections, Add	*4.35*	
05 12 23 00-0364	LF	W6 x 9 A992/A36 Structural Beam Or Girder	33.33	11.26
		For Hot Dip Galvanizing, Add	*5.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.00*	
		For High Strength Low Alloy A588 Steel, Add	*6.67*	
		For Each Additional Top Copes >2, Add	*0.21*	
		For Structural Tees, WT, MT Or ST, Deduct	*-9.88*	
		For Skewed Or Sloped Connections, Add	*4.00*	

05 12 23 00-0365 A992/A36 Structural Steel, M Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0366	LF	M14 x 18 A992/A36 Structural Steel	63.30	17.60
		For Hot Dip Galvanizing, Add	*12.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.66*	
05 12 23 00-0367	LF	M12 x 11.8 A992/A36 Structural Steel	45.80	15.57
		For Hot Dip Galvanizing, Add	*8.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0368	LF	M10 x 9 A992/A36 Structural Steel	35.59	12.50
		For Hot Dip Galvanizing, Add	*6.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.12*	
05 12 23 00-0369	LF	M8 x 6.5 A992/A36 Structural Steel	25.70	9.02
		For Hot Dip Galvanizing, Add	*4.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.14*	
05 12 23 00-0370	LF	M6 x 20 A992/A36 Structural Steel	72.02	21.34
		For Hot Dip Galvanizing, Add	*13.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.40*	
05 12 23 00-0371	LF	M6 x 4.4 A992/A36 Structural Steel	17.39	6.10
		For Hot Dip Galvanizing, Add	*3.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*1.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*3.48*	
05 12 23 00-0372	LF	M5 x 18.9 A992/A36 Structural Steel	69.47	21.34
		For Hot Dip Galvanizing, Add	*12.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.89*	
05 12 23 00-0373	LF	M4 x 13 A992/A36 Structural Steel	57.47	20.93
		For Hot Dip Galvanizing, Add	*9.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.49*	

05 12 23 00-0374 A992/A36 Structural Steel, S Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0375	LF	S24 x 121 A992/A36 Structural Steel	378.67	89.16
		For Hot Dip Galvanizing, Add	*78.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*75.73*	
05 12 23 00-0376	LF	S24 x 106 A992/A36 Structural Steel	336.11	82.22
		For Hot Dip Galvanizing, Add	*68.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*67.22*	
05 12 23 00-0377	LF	S24 x 100 A992/A36 Structural Steel	321.43	81.64
		For Hot Dip Galvanizing, Add	*65.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*64.29*	
05 12 23 00-0378	LF	S24 x 90 A992/A36 Structural Steel	293.42	77.34
		For Hot Dip Galvanizing, Add	*58.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*58.68*	
05 12 23 00-0379	LF	S24 x 80 A992/A36 Structural Steel	264.66	72.38
		For Hot Dip Galvanizing, Add	*52.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*52.93*	
05 12 23 00-0380	LF	S20 x 96 A992/A36 Structural Steel	308.58	78.38
		For Hot Dip Galvanizing, Add	*62.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*61.72*	
05 12 23 00-0381	LF	S20 x 86 A992/A36 Structural Steel	280.37	73.91
		For Hot Dip Galvanizing, Add	*55.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*56.07*	
05 12 23 00-0382	LF	S20 x 75 A992/A36 Structural Steel	248.12	67.86
		For Hot Dip Galvanizing, Add	*48.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*49.62*	
05 12 23 00-0383	LF	S20 x 66 A992/A36 Structural Steel	221.69	62.84
		For Hot Dip Galvanizing, Add	*42.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.95*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*44.34*	
05 12 23 00-0384	LF	S18 x 70 A992/A36 Structural Steel	235.14	66.66
		For Hot Dip Galvanizing, Add	*45.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.03*	
05 12 23 00-0385	LF	S18 x 54.7 A992/A36 Structural Steel	186.67	54.82
		For Hot Dip Galvanizing, Add	*35.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.33*	
05 12 23 00-0386	LF	S15 x 50 A992/A36 Structural Steel	173.43	52.76
		For Hot Dip Galvanizing, Add	*32.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.69*	
05 12 23 00-0387	LF	S15 x 42.9 A992/A36 Structural Steel	151.35	47.64
		For Hot Dip Galvanizing, Add	*27.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.27*	
05 12 23 00-0388	LF	S12 x 50 A992/A36 Structural Steel	170.63	50.12
		For Hot Dip Galvanizing, Add	*32.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.13*	
05 12 23 00-0389	LF	S12 x 40.8 A992/A36 Structural Steel	141.52	43.05
		For Hot Dip Galvanizing, Add	*26.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0390	LF	S12 x 35 A992/A36 Structural Steel	123.47	38.87
		For Hot Dip Galvanizing, Add	*22.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.69*	
05 12 23 00-0391	LF	S12 x 31.8 A992/A36 Structural Steel	114.17	37.18
		For Hot Dip Galvanizing, Add	*20.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.28*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.83*	
05 12 23 00-0392	LF	S10 x 35 A992/A36 Structural Steel	125.66	40.93
		For Hot Dip Galvanizing, Add	*22.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.13*	
05 12 23 00-0393	LF	S10 x 25.4 A992/A36 Structural Steel	92.86	31.26
		For Hot Dip Galvanizing, Add	*16.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.57*	
05 12 23 00-0394	LF	S8 x 23 A992/A36 Structural Steel	84.09	28.30
		For Hot Dip Galvanizing, Add	*14.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.82*	
05 12 23 00-0395	LF	S8 x 18.4 A992/A36 Structural Steel	68.55	23.84
		For Hot Dip Galvanizing, Add	*11.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.71*	
05 12 23 00-0396	LF	S7 x 20 A992/A36 Structural Steel	74.50	25.91
		For Hot Dip Galvanizing, Add	*13.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.90*	
05 12 23 00-0397	LF	S7 x 15.3 A992/A36 Structural Steel	58.11	20.87
		For Hot Dip Galvanizing, Add	*9.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.62*	
05 12 23 00-0398	LF	S6 x 17.25 A992/A36 Structural Steel	64.29	22.37
		For Hot Dip Galvanizing, Add	*11.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.79*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.86*	
05 12 23 00-0399	LF	S6 x 12.5 A992/A36 Structural Steel	55.29	20.67
		For Hot Dip Galvanizing, Add	*9.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.06*	
05 12 23 00-0400	LF	S5 x 14.75 A992/A36 Structural Steel	58.76	21.06
		For Hot Dip Galvanizing, Add	*10.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.29*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.75*	
05 12 23 00-0401	LF	S5 x 10 A992/A36 Structural Steel	50.20	20.54
		For Hot Dip Galvanizing, Add	*7.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.04*	
05 12 23 00-0402	LF	S4 x 9.5 A992/A36 Structural Steel	48.90	20.54
		For Hot Dip Galvanizing, Add	*7.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.78*	
05 12 23 00-0403	LF	S4 x 7.7 A992/A36 Structural Steel	45.86	20.54
		For Hot Dip Galvanizing, Add	*6.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.17*	
05 12 23 00-0404	LF	S3 x 7.5 A992/A36 Structural Steel	45.57	20.54
		For Hot Dip Galvanizing, Add	*6.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.11*	
05 12 23 00-0405	LF	S3 x 5.7 A992/A36 Structural Steel	41.95	20.41
		For Hot Dip Galvanizing, Add	*5.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.39*	

05 12 23 00-0406 A992/A36 Structural Steel, HP Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0407	LF	HP14 x 117 A992/A36 Structural Steel	229.59	26.42
		For Hot Dip Galvanizing, Add	*55.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.92*	
05 12 23 00-0408	LF	HP14 x 102 A992/A36 Structural Steel	201.07	24.58
		For Hot Dip Galvanizing, Add	*48.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*40.21*	
05 12 23 00-0409	LF	HP14 x 89 A992/A36 Structural Steel	179.30	23.05
		For Hot Dip Galvanizing, Add	*42.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.86*	
05 12 23 00-0410	LF	HP14 x 73 A992/A36 Structural Steel	148.78	21.73
		For Hot Dip Galvanizing, Add	*34.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.76*	
05 12 23 00-0411	LF	HP13 x 100 A992/A36 Structural Steel	197.14	24.10
		For Hot Dip Galvanizing, Add	*47.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0412	LF	HP13 x 87 A992/A36 Structural Steel	175.27	22.54
		For Hot Dip Galvanizing, Add	*41.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.05*	
05 12 23 00-0413	LF	HP13 x 73 A992/A36 Structural Steel	148.78	21.73
		For Hot Dip Galvanizing, Add	*34.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.76*	
05 12 23 00-0414	LF	HP13 x 60 A992/A36 Structural Steel	126.37	20.83
		For Hot Dip Galvanizing, Add	*28.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.27*	
05 12 23 00-0415	LF	HP12 x 84 A992/A36 Structural Steel	165.68	23.77
		For Hot Dip Galvanizing, Add	*38.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.14*	
05 12 23 00-0416	LF	HP12 x 74 A992/A36 Structural Steel	146.55	22.42
		For Hot Dip Galvanizing, Add	*34.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.31*	
05 12 23 00-0417	LF	HP12 x 63 A992/A36 Structural Steel	126.33	20.61
		For Hot Dip Galvanizing, Add	*28.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.27*	
05 12 23 00-0418	LF	HP12 x 53 A992/A36 Structural Steel	115.92	19.60
		For Hot Dip Galvanizing, Add	*26.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.18*	
05 12 23 00-0419	LF	HP10 x 57 A992/A36 Structural Steel	122.05	20.11
		For Hot Dip Galvanizing, Add	*27.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.41*	
05 12 23 00-0420	LF	HP10 x 42 A992/A36 Structural Steel	100.88	18.85
		For Hot Dip Galvanizing, Add	*22.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.18*	
05 12 23 00-0421	LF	HP8 x 36 A992/A36 Structural Steel	87.89	17.77
		For Hot Dip Galvanizing, Add	*19.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.58*	

05 12 23 00-0422 Lightweight Framing Steel Shapes *(05 12 23)*

Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.

05 12 23 00-0423 Angle Iron - L *(05 12 23 00-0422)*

05 12 23 00-0424 1/8" Thick *(05 12 23 00-0423)*

05 12 23 00-0425	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	2.93	1.80
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.53*	
		For 304 Stainless Steel, Add	*1.48*	
		For 316 Stainless Steel, Add	*1.66*	
		For Aluminum, Add	*0.09*	
		For Galvanized Steel, Add	*0.32*	
		For High Strength Steel (HSS), Add	*0.59*	
05 12 23 00-0426	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	3.39	2.04
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For 304 Stainless Steel, Add	*1.88*	
		For 316 Stainless Steel, Add	*2.11*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.41*	
		For High Strength Steel (HSS), Add	*0.68*	
05 12 23 00-0427	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	3.82	2.26
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.68*	
		For 304 Stainless Steel, Add	*2.31*	
		For 316 Stainless Steel, Add	*2.59*	
		For Aluminum, Add	*0.15*	
		For Galvanized Steel, Add	*0.50*	
		For High Strength Steel (HSS), Add	*0.76*	
05 12 23 00-0428	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	4.28	2.51
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.76*	
		For 304 Stainless Steel, Add	*2.68*	
		For 316 Stainless Steel, Add	*3.01*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.58*	
		For High Strength Steel (HSS), Add	*0.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0429	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron	4.71	2.71
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000, Deduct	*-0.83*	
		For 304 Stainless Steel, Add	*3.14*	
		For 316 Stainless Steel, Add	*3.52*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.68*	
		For High Strength Steel (HSS), Add	*0.94*	
05 12 23 00-0430	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	5.64	3.18
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.99*	
		For 304 Stainless Steel, Add	*3.96*	
		For 316 Stainless Steel, Add	*4.45*	
		For Aluminum, Add	*0.25*	
		For Galvanized Steel, Add	*0.86*	
		For High Strength Steel (HSS), Add	*1.13*	
05 12 23 00-0431	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	5.64	3.18
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.99*	
		For 304 Stainless Steel, Add	*3.96*	
		For 316 Stainless Steel, Add	*4.45*	
		For Aluminum, Add	*0.25*	
		For Galvanized Steel, Add	*0.86*	
		For High Strength Steel (HSS), Add	*1.13*	
05 12 23 00-0432	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.24	3.42
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.08*	
		For 304 Stainless Steel, Add	*4.79*	
		For 316 Stainless Steel, Add	*5.38*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.04*	
		For High Strength Steel (HSS), Add	*1.25*	
05 12 23 00-0433	LF	1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	6.71	3.53
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.14*	
		For 304 Stainless Steel, Add	*5.67*	
		For 316 Stainless Steel, Add	*6.37*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.23*	
		For High Strength Steel (HSS), Add	*1.34*	
05 12 23 00-0434	LF	2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.71	3.53
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.14*	
		For 304 Stainless Steel, Add	*5.67*	
		For 316 Stainless Steel, Add	*6.37*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.23*	
		For High Strength Steel (HSS), Add	*1.34*	
05 12 23 00-0435	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron	7.15	3.66
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000, Deduct	*-1.20*	
		For 304 Stainless Steel, Add	*6.50*	
		For 316 Stainless Steel, Add	*7.30*	
		For Aluminum, Add	*0.41*	
		For Galvanized Steel, Add	*1.41*	
		For High Strength Steel (HSS), Add	*1.43*	

05 12 23 00-0436 3/16" Thick *(05 12 23 00-0423)*

05 12 23 00-0437	LF	1" x 1" x 3/16" Thick, Plain Steel Angle Iron	5.42	2.86
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000, Deduct	*-0.92*	
		For 304 Stainless Steel, Add	*4.56*	
		For 316 Stainless Steel, Add	*5.12*	
		For Aluminum, Add	*0.29*	
		For Galvanized Steel, Add	*0.99*	
		For High Strength Steel (HSS), Add	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0438	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.53	3.36
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.10*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*6.53*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.26*	
		For High Strength Steel (HSS), Add	*1.31*	
05 12 23 00-0439	LF	1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.53	3.36
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.10*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*6.53*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.26*	
		For High Strength Steel (HSS), Add	*1.31*	
05 12 23 00-0440	LF	1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.29	3.61
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.21*	
		For 304 Stainless Steel, Add	*7.07*	
		For 316 Stainless Steel, Add	*7.94*	
		For Aluminum, Add	*0.45*	
		For Galvanized Steel, Add	*1.54*	
		For High Strength Steel (HSS), Add	*1.46*	
05 12 23 00-0441	LF	1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	7.92	3.74
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.29*	
		For 304 Stainless Steel, Add	*8.35*	
		For 316 Stainless Steel, Add	*9.38*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.82*	
		For High Strength Steel (HSS), Add	*1.58*	
05 12 23 00-0442	LF	2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.92	3.74
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.29*	
		For 304 Stainless Steel, Add	*8.35*	
		For 316 Stainless Steel, Add	*9.38*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.82*	
		For High Strength Steel (HSS), Add	*1.58*	
05 12 23 00-0443	LF	2" x 2" x 3/16" Thick, Plain Steel Angle Iron	8.53	3.87
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.37*	
		For 304 Stainless Steel, Add	*9.60*	
		For 316 Stainless Steel, Add	*10.78*	
		For Aluminum, Add	*0.61*	
		For Galvanized Steel, Add	*2.09*	
		For High Strength Steel (HSS), Add	*1.71*	
05 12 23 00-0444	LF	2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.33	4.14
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000, Deduct	*-1.49*	
		For 304 Stainless Steel, Add	*10.83*	
		For 316 Stainless Steel, Add	*12.16*	
		For Aluminum, Add	*0.68*	
		For Galvanized Steel, Add	*2.36*	
		For High Strength Steel (HSS), Add	*1.87*	
05 12 23 00-0445	LF	2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.18	4.44
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.61*	
		For 304 Stainless Steel, Add	*12.14*	
		For 316 Stainless Steel, Add	*13.63*	
		For Aluminum, Add	*0.77*	
		For Galvanized Steel, Add	*2.64*	
		For High Strength Steel (HSS), Add	*2.04*	
05 12 23 00-0446	LF	3" x 2" x 3/16" Thick, Plain Steel Angle Iron	10.17	4.44
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.61*	
		For 304 Stainless Steel, Add	*12.11*	
		For 316 Stainless Steel, Add	*13.60*	
		For Aluminum, Add	*0.77*	
		For Galvanized Steel, Add	*2.64*	
		For High Strength Steel (HSS), Add	*2.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0447	LF	3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.23	4.90
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.78*	
		For 304 Stainless Steel, Add	*13.37*	
		For 316 Stainless Steel, Add	*15.01*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.91*	
		For High Strength Steel (HSS), Add	*2.25*	
05 12 23 00-0448	LF	3" x 3" x 3/16" Thick, Plain Steel Angle Iron	12.28	5.37
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-1.94*	
		For 304 Stainless Steel, Add	*14.62*	
		For 316 Stainless Steel, Add	*16.42*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.18*	
		For High Strength Steel (HSS), Add	*2.46*	

05 12 23 00-0449 1/4" Thick *(05 12 23 00-0423)*

05 12 23 00-0450	LF	1" x 1" x 1/4" Thick, Plain Steel Angle Iron	6.46	3.31
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.09*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*6.53*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.26*	
		For High Strength Steel (HSS), Add	*1.29*	
05 12 23 00-0451	LF	1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.37	3.55
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.21*	
		For 304 Stainless Steel, Add	*7.50*	
		For 316 Stainless Steel, Add	*8.42*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.63*	
		For High Strength Steel (HSS), Add	*1.47*	
05 12 23 00-0452	LF	1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.36	3.55
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.21*	
		For 304 Stainless Steel, Add	*7.47*	
		For 316 Stainless Steel, Add	*8.38*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.62*	
		For High Strength Steel (HSS), Add	*1.47*	
05 12 23 00-0453	LF	1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.28	3.81
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.34*	
		For 304 Stainless Steel, Add	*9.12*	
		For 316 Stainless Steel, Add	*10.24*	
		For Aluminum, Add	*0.58*	
		For Galvanized Steel, Add	*1.98*	
		For High Strength Steel (HSS), Add	*1.66*	
05 12 23 00-0454	LF	1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.09	3.93
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.43*	
		For 304 Stainless Steel, Add	*10.94*	
		For 316 Stainless Steel, Add	*12.29*	
		For Aluminum, Add	*0.69*	
		For Galvanized Steel, Add	*2.38*	
		For High Strength Steel (HSS), Add	*1.82*	
05 12 23 00-0455	LF	2" x 1" x 1/4" Thick, Plain Steel Angle Iron	8.06	3.69
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.29*	
		For 304 Stainless Steel, Add	*9.21*	
		For 316 Stainless Steel, Add	*10.34*	
		For Aluminum, Add	*0.58*	
		For Galvanized Steel, Add	*2.00*	
		For High Strength Steel (HSS), Add	*1.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0456	LF	2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.07	3.93
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000, Deduct	*-1.43*	
		For 304 Stainless Steel, Add	*10.89*	
		For 316 Stainless Steel, Add	*12.22*	
		For Aluminum, Add	*0.69*	
		For Galvanized Steel, Add	*2.37*	
		For High Strength Steel (HSS), Add	*1.81*	
05 12 23 00-0457	LF	2" x 2" x 1/4" Thick, Plain Steel Angle Iron	9.81	4.06
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000, Deduct	*-1.52*	
		For 304 Stainless Steel, Add	*12.54*	
		For 316 Stainless Steel, Add	*14.08*	
		For Aluminum, Add	*0.79*	
		For Galvanized Steel, Add	*2.73*	
		For High Strength Steel (HSS), Add	*1.96*	
05 12 23 00-0458	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.01	4.50
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000, Deduct	*-1.70*	
		For 304 Stainless Steel, Add	*14.28*	
		For 316 Stainless Steel, Add	*16.03*	
		For Aluminum, Add	*0.90*	
		For Galvanized Steel, Add	*3.11*	
		For High Strength Steel (HSS), Add	*2.20*	
05 12 23 00-0459	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.24	4.93
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000, Deduct	*-1.88*	
		For 304 Stainless Steel, Add	*16.13*	
		For 316 Stainless Steel, Add	*18.11*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.51*	
		For High Strength Steel (HSS), Add	*2.45*	
05 12 23 00-0460	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	12.24	4.93
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000, Deduct	*-1.88*	
		For 304 Stainless Steel, Add	*16.13*	
		For 316 Stainless Steel, Add	*18.11*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.51*	
		For High Strength Steel (HSS), Add	*2.45*	
05 12 23 00-0461	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.51	5.47
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.08*	
		For 304 Stainless Steel, Add	*17.73*	
		For 316 Stainless Steel, Add	*19.90*	
		For Aluminum, Add	*1.12*	
		For Galvanized Steel, Add	*3.86*	
		For High Strength Steel (HSS), Add	*2.70*	
05 12 23 00-0462	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	14.78	6.01
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.28*	
		For 304 Stainless Steel, Add	*19.27*	
		For 316 Stainless Steel, Add	*21.63*	
		For Aluminum, Add	*1.22*	
		For Galvanized Steel, Add	*4.19*	
		For High Strength Steel (HSS), Add	*2.96*	
05 12 23 00-0463	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	16.07	6.47
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-2.47*	
		For 304 Stainless Steel, Add	*21.23*	
		For 316 Stainless Steel, Add	*23.84*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.62*	
		For High Strength Steel (HSS), Add	*3.21*	
05 12 23 00-0464	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.02	0.67
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.60*	
		For 304 Stainless Steel, Add	*22.86*	
		For 316 Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
		For High Strength Steel (HSS), Add	*3.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0465	LF	4" x 3" x 1/4" Thick, Plain Steel Angle Iron	17.02	6.76
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.60*	
		For 304 Stainless Steel, Add	*22.86*	
		For 316 Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
		For High Strength Steel (HSS), Add	*3.40*	
05 12 23 00-0466	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.93	7.04
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-2.73*	
		For 304 Stainless Steel, Add	*24.37*	
		For 316 Stainless Steel, Add	*27.36*	
		For Aluminum, Add	*1.54*	
		For Galvanized Steel, Add	*5.30*	
		For High Strength Steel (HSS), Add	*3.59*	
05 12 23 00-0467	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron	18.91	7.33
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-2.87*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*3.78*	
05 12 23 00-0468	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron	18.91	7.33
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-2.87*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*3.78*	
05 12 23 00-0469	LF	5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	19.97	7.73
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*27.53*	
		For 316 Stainless Steel, Add	*30.91*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*5.99*	
		For High Strength Steel (HSS), Add	*3.99*	

05 12 23 00-0470 5/16" Thick *(05 12 23 00-0423)*

05 12 23 00-0471	LF	2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	13.19	5.23
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.02*	
		For 304 Stainless Steel, Add	*17.73*	
		For 316 Stainless Steel, Add	*19.90*	
		For Aluminum, Add	*1.12*	
		For Galvanized Steel, Add	*3.86*	
		For High Strength Steel (HSS), Add	*2.64*	
05 12 23 00-0472	LF	2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	14.30	5.54
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000, Deduct	*-2.17*	
		For 304 Stainless Steel, Add	*19.69*	
		For 316 Stainless Steel, Add	*22.11*	
		For Aluminum, Add	*1.24*	
		For Galvanized Steel, Add	*4.28*	
		For High Strength Steel (HSS), Add	*2.86*	
05 12 23 00-0473	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron	14.30	5.54
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000, Deduct	*-2.17*	
		For 304 Stainless Steel, Add	*19.69*	
		For 316 Stainless Steel, Add	*22.11*	
		For Aluminum, Add	*1.24*	
		For Galvanized Steel, Add	*4.28*	
		For High Strength Steel (HSS), Add	*2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0474	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	15.84	6.07
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-1.80*	
		For >1,000, Deduct	*-2.39*	
		For 304 Stainless Steel, Add	*22.06*	
		For 316 Stainless Steel, Add	*24.77*	
		For Aluminum, Add	*1.39*	
		For Galvanized Steel, Add	*4.80*	
		For High Strength Steel (HSS), Add	*3.17*	
05 12 23 00-0475	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron	17.24	6.61
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.60*	
		For 304 Stainless Steel, Add	*24.05*	
		For 316 Stainless Steel, Add	*27.01*	
		For Aluminum, Add	*1.52*	
		For Galvanized Steel, Add	*5.23*	
		For High Strength Steel (HSS), Add	*3.45*	
05 12 23 00-0476	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	18.38	6.94
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-2.07*	
		For >1,000, Deduct	*-2.76*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*3.68*	
05 12 23 00-0477	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	19.64	7.28
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000, Deduct	*-2.94*	
		For 304 Stainless Steel, Add	*28.30*	
		For 316 Stainless Steel, Add	*31.78*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
		For High Strength Steel (HSS), Add	*3.93*	
05 12 23 00-0478	LF	4" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.64	7.28
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000, Deduct	*-2.94*	
		For 304 Stainless Steel, Add	*28.30*	
		For 316 Stainless Steel, Add	*31.78*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
		For High Strength Steel (HSS), Add	*3.93*	
05 12 23 00-0479	LF	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.88	7.69
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.56*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.11*	
		For 304 Stainless Steel, Add	*30.27*	
		For 316 Stainless Steel, Add	*33.98*	
		For Aluminum, Add	*1.91*	
		For Galvanized Steel, Add	*6.58*	
		For High Strength Steel (HSS), Add	*4.18*	
05 12 23 00-0480	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	22.07	8.04
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-3.28*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
		For High Strength Steel (HSS), Add	*4.41*	
05 12 23 00-0481	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	22.07	8.04
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-3.28*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
		For High Strength Steel (HSS), Add	*4.41*	
05 12 23 00-0482	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	23.17	8.38
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-1.72*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000, Deduct	*-3.43*	
		For 304 Stainless Steel, Add	*34.20*	
		For 316 Stainless Steel, Add	*38.40*	
		For Aluminum, Add	*2.16*	
		For Galvanized Steel, Add	*7.44*	
		For High Strength Steel (HSS), Add	*4.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0483	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron	25.88	8.73
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.88*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000, Deduct	*-3.75*	
		For 304 Stainless Steel, Add	*40.58*	
		For 316 Stainless Steel, Add	*45.57*	
		For Aluminum, Add	*2.56*	
		For Galvanized Steel, Add	*8.83*	
		For High Strength Steel (HSS), Add	*5.18*	
05 12 23 00-0484	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	25.65	9.09
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000, Deduct	*-3.78*	
		For 304 Stainless Steel, Add	*38.53*	
		For 316 Stainless Steel, Add	*43.26*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.38*	
		For High Strength Steel (HSS), Add	*5.13*	

05 12 23 00-0485 3/8" Thick *(05 12 23 00-0423)*

05 12 23 00-0486	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron	15.87	5.80
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.36*	
		For 304 Stainless Steel, Add	*23.20*	
		For 316 Stainless Steel, Add	*26.05*	
		For Aluminum, Add	*1.47*	
		For Galvanized Steel, Add	*5.05*	
		For High Strength Steel (HSS), Add	*3.17*	
05 12 23 00-0487	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	17.51	6.28
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.29*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.59*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*3.50*	
05 12 23 00-0488	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron	18.95	6.77
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000, Deduct	*-2.80*	
		For 304 Stainless Steel, Add	*28.30*	
		For 316 Stainless Steel, Add	*31.78*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
		For High Strength Steel (HSS), Add	*3.79*	
05 12 23 00-0489	LF	3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	20.19	6.95
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-2.95*	
		For 304 Stainless Steel, Add	*31.15*	
		For 316 Stainless Steel, Add	*34.98*	
		For Aluminum, Add	*1.97*	
		For Galvanized Steel, Add	*6.78*	
		For High Strength Steel (HSS), Add	*4.04*	
05 12 23 00-0490	LF	3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	21.51	7.33
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.56*	
		For >500 To 1,000, Deduct	*-2.35*	
		For >1,000, Deduct	*-3.13*	
		For 304 Stainless Steel, Add	*33.43*	
		For 316 Stainless Steel, Add	*37.54*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
		For High Strength Steel (HSS), Add	*4.30*	
05 12 23 00-0491	LF	4" x 3" x 3/8" Thick, Plain Steel Angle Iron	21.51	7.33
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.56*	
		For >500 To 1,000, Deduct	*-2.35*	
		For >1,000, Deduct	*-3.13*	
		For 304 Stainless Steel, Add	*33.43*	
		For 316 Stainless Steel, Add	*37.54*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
		For High Strength Steel (HSS), Add	*4.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0492	LF	4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	23.20	7.99
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000, Deduct	*-3.39*	
		For 304 Stainless Steel, Add	*35.77*	
		For 316 Stainless Steel, Add	*40.16*	
		For Aluminum, Add	*2.26*	
		For Galvanized Steel, Add	*7.78*	
		For High Strength Steel (HSS), Add	*4.64*	
05 12 23 00-0493	LF	4" x 4" x 3/8" Thick, Plain Steel Angle Iron	24.48	8.22
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.54*	
		For 304 Stainless Steel, Add	*38.53*	
		For 316 Stainless Steel, Add	*43.26*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.38*	
		For High Strength Steel (HSS), Add	*4.90*	
05 12 23 00-0494	LF	5" x 3" x 3/8" Thick, Plain Steel Angle Iron	24.92	8.55
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-2.72*	
		For >1,000, Deduct	*-3.63*	
		For 304 Stainless Steel, Add	*38.53*	
		For 316 Stainless Steel, Add	*43.26*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.38*	
		For High Strength Steel (HSS), Add	*4.98*	
05 12 23 00-0495	LF	5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	26.64	9.21
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-1.95*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000, Deduct	*-3.89*	
		For 304 Stainless Steel, Add	*40.90*	
		For 316 Stainless Steel, Add	*45.92*	
		For Aluminum, Add	*2.58*	
		For Galvanized Steel, Add	*8.90*	
		For High Strength Steel (HSS), Add	*5.33*	
05 12 23 00-0496	LF	5" x 5" x 3/8" Thick, Plain Steel Angle Iron	31.32	10.74
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-2.28*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.56*	
		For 304 Stainless Steel, Add	*48.48*	
		For 316 Stainless Steel, Add	*54.43*	
		For Aluminum, Add	*3.06*	
		For Galvanized Steel, Add	*10.55*	
		For High Strength Steel (HSS), Add	*6.26*	
05 12 23 00-0497	LF	6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	29.44	9.98
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.27*	
		For 304 Stainless Steel, Add	*46.00*	
		For 316 Stainless Steel, Add	*51.65*	
		For Aluminum, Add	*2.91*	
		For Galvanized Steel, Add	*10.01*	
		For High Strength Steel (HSS), Add	*5.89*	
05 12 23 00-0498	LF	6" x 4" x 3/8" Thick, Plain Steel Angle Iron	31.32	10.74
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-2.28*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.56*	
		For 304 Stainless Steel, Add	*48.48*	
		For 316 Stainless Steel, Add	*54.43*	
		For Aluminum, Add	*3.06*	
		For Galvanized Steel, Add	*10.55*	
		For High Strength Steel (HSS), Add	*6.26*	
05 12 23 00-0499	LF	6" x 6" x 3/8" Thick, Plain Steel Angle Iron	37.78	12.88
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.75*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000, Deduct	*-5.50*	
		For 304 Stainless Steel, Add	*58.74*	
		For 316 Stainless Steel, Add	*65.95*	
		For Aluminum, Add	*3.71*	
		For Galvanized Steel, Add	*12.78*	
		For High Strength Steel (HSS), Add	*7.56*	
05 12 23 00-0500	LF	7" x 4" x 3/8" Thick, Plain Steel Angle Iron	34.55	11.81
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.52*	
		For >500 To 1,000, Deduct	*-3.77*	
		For >1,000, Deduct	*-5.03*	
		For 304 Stainless Steel, Add	*53.58*	
		For 316 Stainless Steel, Add	*60.16*	
		For Aluminum, Add	*3.38*	
		For Galvanized Steel, Add	*11.66*	
		For High Strength Steel (HSS), Add	*6.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0501		1/2" Thick *(05 12 23 00-0423)*		
05 12 23 00-0502	LF	3" x 3" x 1/2" Thick, Plain Steel Angle Iron	22.21	6.91
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.57*	
		For >500 To 1,000, Deduct	*-2.36*	
		For >1,000, Deduct	*-3.14*	
		For 304 Stainless Steel, Add	*37.05*	
		For 316 Stainless Steel, Add	*41.60*	
		For Aluminum, Add	*2.34*	
		For Galvanized Steel, Add	*8.06*	
		For High Strength Steel (HSS), Add	*4.44*	
05 12 23 00-0503	LF	4" x 3" x 1/2" Thick, Plain Steel Angle Iron	26.24	8.17
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-3.71*	
		For 304 Stainless Steel, Add	*43.75*	
		For 316 Stainless Steel, Add	*49.12*	
		For Aluminum, Add	*2.76*	
		For Galvanized Steel, Add	*9.52*	
		For High Strength Steel (HSS), Add	*5.25*	
05 12 23 00-0504	LF	4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	28.12	8.75
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000, Deduct	*-3.98*	
		For 304 Stainless Steel, Add	*46.91*	
		For 316 Stainless Steel, Add	*52.67*	
		For Aluminum, Add	*2.96*	
		For Galvanized Steel, Add	*10.21*	
		For High Strength Steel (HSS), Add	*5.62*	
05 12 23 00-0505	LF	4" x 4" x 1/2" Thick, Plain Steel Angle Iron	30.25	9.42
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.28*	
		For 304 Stainless Steel, Add	*50.45*	
		For 316 Stainless Steel, Add	*56.64*	
		For Aluminum, Add	*3.19*	
		For Galvanized Steel, Add	*10.97*	
		For High Strength Steel (HSS), Add	*6.05*	
05 12 23 00-0506	LF	5" x 3" x 1/2" Thick, Plain Steel Angle Iron	30.25	9.42
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.28*	
		For 304 Stainless Steel, Add	*50.45*	
		For 316 Stainless Steel, Add	*56.64*	
		For Aluminum, Add	*3.19*	
		For Galvanized Steel, Add	*10.97*	
		For High Strength Steel (HSS), Add	*6.05*	
05 12 23 00-0507	LF	5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	32.14	10.00
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000, Deduct	*-4.55*	
		For 304 Stainless Steel, Add	*53.61*	
		For 316 Stainless Steel, Add	*60.19*	
		For Aluminum, Add	*3.39*	
		For Galvanized Steel, Add	*11.66*	
		For High Strength Steel (HSS), Add	*6.43*	
05 12 23 00-0508	LF	5" x 5" x 1/2" Thick, Plain Steel Angle Iron	38.28	11.91
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.71*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000, Deduct	*-5.42*	
		For 304 Stainless Steel, Add	*63.84*	
		For 316 Stainless Steel, Add	*71.68*	
		For Aluminum, Add	*4.03*	
		For Galvanized Steel, Add	*13.89*	
		For High Strength Steel (HSS), Add	*7.66*	
05 12 23 00-0509	LF	6" x 4" x 1/2" Thick, Plain Steel Angle Iron	38.28	11.91
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.71*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000, Deduct	*-5.42*	
		For 304 Stainless Steel, Add	*63.84*	
		For 316 Stainless Steel, Add	*71.68*	
		For Aluminum, Add	*4.03*	
		For Galvanized Steel, Add	*13.89*	
		For High Strength Steel (HSS), Add	*7.66*	
05 12 23 00-0510	LF	6" x 6" x 1/2" Thick, Plain Steel Angle Iron	46.31	14.41
		For >100 To 250, Deduct	*-2.12*	
		For >250 To 500, Deduct	*-3.28*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000, Deduct	*-6.55*	
		For 304 Stainless Steel, Add	*77.24*	
		For 316 Stainless Steel, Add	*86.72*	
		For Aluminum, Add	*4.88*	
		For Galvanized Steel, Add	*16.80*	
		For High Strength Steel (HSS), Add	*9.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0511	LF	7" x 4" x 1/2" Thick, Plain Steel Angle Iron	42.28	13.16
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.99*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-5.98*	
		For 304 Stainless Steel, Add	*70.51*	
		For 316 Stainless Steel, Add	*79.17*	
		For Aluminum, Add	*4.45*	
		For Galvanized Steel, Add	*15.34*	
		For High Strength Steel (HSS), Add	*8.46*	
05 12 23 00-0512	LF	8" x 4" x 1/2" Thick, Plain Steel Angle Iron	46.31	14.41
		For >100 To 250, Deduct	*-2.12*	
		For >250 To 500, Deduct	*-3.28*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000, Deduct	*-6.55*	
		For 304 Stainless Steel, Add	*77.24*	
		For 316 Stainless Steel, Add	*86.72*	
		For Aluminum, Add	*4.88*	
		For Galvanized Steel, Add	*16.80*	
		For High Strength Steel (HSS), Add	*9.26*	
05 12 23 00-0513	LF	8" x 6" x 1/2" Thick, Plain Steel Angle Iron	54.36	16.92
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.85*	
		For >500 To 1,000, Deduct	*-5.77*	
		For >1,000, Deduct	*-7.69*	
		For 304 Stainless Steel, Add	*90.66*	
		For 316 Stainless Steel, Add	*101.79*	
		For Aluminum, Add	*5.73*	
		For Galvanized Steel, Add	*19.72*	
		For High Strength Steel (HSS), Add	*10.87*	
05 12 23 00-0514	LF	8" x 8" x 1/2" Thick, Plain Steel Angle Iron	62.38	19.42
		For >100 To 250, Deduct	*-2.85*	
		For >250 To 500, Deduct	*-4.41*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000, Deduct	*-8.83*	
		For 304 Stainless Steel, Add	*104.03*	
		For 316 Stainless Steel, Add	*116.80*	
		For Aluminum, Add	*6.57*	
		For Galvanized Steel, Add	*22.63*	
		For High Strength Steel (HSS), Add	*12.48*	

05 12 23 00-0515 5/8" Thick *(05 12 23 00-0423)*

05 12 23 00-0516	LF	4" x 4" x 5/8" Thick, Plain Steel Angle Iron	36.09	10.79
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.52*	
		For >500 To 1,000, Deduct	*-3.79*	
		For >1,000, Deduct	*-5.05*	
		For 316 Stainless Steel, Add	*69.47*	
		For Aluminum, Add	*3.91*	
		For Galvanized Steel, Add	*13.46*	
		For High Strength Steel (HSS), Add	*7.22*	
05 12 23 00-0517	LF	5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	38.64	11.54
		For >100 To 250, Deduct	*-1.74*	
		For >250 To 500, Deduct	*-2.70*	
		For >500 To 1,000, Deduct	*-4.05*	
		For >1,000, Deduct	*-5.40*	
		For 316 Stainless Steel, Add	*74.37*	
		For Aluminum, Add	*4.18*	
		For Galvanized Steel, Add	*14.41*	
		For High Strength Steel (HSS), Add	*7.73*	
05 12 23 00-0518	LF	5" x 5" x 5/8" Thick, Plain Steel Angle Iron	45.98	13.75
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.22*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-6.43*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
		For High Strength Steel (HSS), Add	*9.20*	
05 12 23 00-0519	LF	6" x 4" x 5/8" Thick, Plain Steel Angle Iron	45.98	13.75
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.22*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-6.43*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
		For High Strength Steel (HSS), Add	*9.20*	
05 12 23 00-0520	LF	6" x 6" x 5/8" Thick, Plain Steel Angle Iron	55.65	16.63
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.89*	
		For >500 To 1,000, Deduct	*-5.84*	
		For >1,000, Deduct	*-7.78*	
		For 316 Stainless Steel, Add	*107.10*	
		For Aluminum, Add	*6.02*	
		For Galvanized Steel, Add	*20.75*	
		For High Strength Steel (HSS), Add	*11.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0521	LF	7" x 4" x 5/8" Thick, Plain Steel Angle Iron	50.81	15.19
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.55*	
		For >500 To 1,000, Deduct	*-5.33*	
		For >1,000, Deduct	*-7.11*	
		For 316 Stainless Steel, Add	*97.79*	
		For Aluminum, Add	*5.50*	
		For Galvanized Steel, Add	*18.95*	
		For High Strength Steel (HSS), Add	*10.16*	
05 12 23 00-0522	LF	8" x 6" x 5/8" Thick, Plain Steel Angle Iron	65.52	19.59
		For >100 To 250, Deduct	*-2.94*	
		For >250 To 500, Deduct	*-4.58*	
		For >500 To 1,000, Deduct	*-6.87*	
		For >1,000, Deduct	*-9.16*	
		For 316 Stainless Steel, Add	*126.11*	
		For Aluminum, Add	*7.09*	
		For Galvanized Steel, Add	*24.43*	
		For High Strength Steel (HSS), Add	*13.10*	
05 12 23 00-0523	LF	8" x 8" x 5/8" Thick, Plain Steel Angle Iron	75.18	22.47
		For >100 To 250, Deduct	*-3.38*	
		For >250 To 500, Deduct	*-5.26*	
		For >500 To 1,000, Deduct	*-7.89*	
		For >1,000, Deduct	*-10.51*	
		For 316 Stainless Steel, Add	*144.70*	
		For Aluminum, Add	*8.14*	
		For Galvanized Steel, Add	*28.04*	
		For High Strength Steel (HSS), Add	*15.04*	

05 12 23 00-0524 3/4" Thick *(05 12 23 00-0423)*

05 12 23 00-0525	LF	4" x 4" x 3/4" Thick, Plain Steel Angle Iron	41.49	11.92
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.87*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-5.74*	
		For 316 Stainless Steel, Add	*81.89*	
		For Aluminum, Add	*4.61*	
		For Galvanized Steel, Add	*15.87*	
		For High Strength Steel (HSS), Add	*8.30*	
05 12 23 00-0526	LF	5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	44.39	12.76
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-3.07*	
		For >500 To 1,000, Deduct	*-4.61*	
		For >1,000, Deduct	*-6.14*	
		For 316 Stainless Steel, Add	*87.62*	
		For Aluminum, Add	*4.93*	
		For Galvanized Steel, Add	*16.98*	
		For High Strength Steel (HSS), Add	*8.88*	
05 12 23 00-0527	LF	5" x 5" x 3/4" Thick, Plain Steel Angle Iron	52.91	15.21
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-3.66*	
		For >500 To 1,000, Deduct	*-5.49*	
		For >1,000, Deduct	*-7.32*	
		For 316 Stainless Steel, Add	*104.45*	
		For Aluminum, Add	*5.88*	
		For Galvanized Steel, Add	*20.24*	
		For High Strength Steel (HSS), Add	*10.58*	
05 12 23 00-0528	LF	6" x 4" x 3/4" Thick, Plain Steel Angle Iron	52.91	15.21
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-3.66*	
		For >500 To 1,000, Deduct	*-5.49*	
		For >1,000, Deduct	*-7.32*	
		For 316 Stainless Steel, Add	*104.45*	
		For Aluminum, Add	*5.88*	
		For Galvanized Steel, Add	*20.24*	
		For High Strength Steel (HSS), Add	*10.58*	
05 12 23 00-0529	LF	6" x 6" x 3/4" Thick, Plain Steel Angle Iron	64.35	18.49
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.45*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000, Deduct	*-8.90*	
		For 316 Stainless Steel, Add	*127.01*	
		For Aluminum, Add	*7.14*	
		For Galvanized Steel, Add	*24.61*	
		For High Strength Steel (HSS), Add	*12.87*	
05 12 23 00-0530	LF	7" x 4" x 3/4" Thick, Plain Steel Angle Iron	58.74	16.88
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-4.06*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000, Deduct	*-8.13*	
		For 316 Stainless Steel, Add	*115.94*	
		For Aluminum, Add	*6.52*	
		For Galvanized Steel, Add	*22.46*	
		For High Strength Steel (HSS), Add	*11.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0531	LF	8" x 4" x 3/4" Thick, Plain Steel Angle Iron	64.35	18.49
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.45*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000, Deduct	*-8.90*	
		For 316 Stainless Steel, Add	*127.01*	
		For Aluminum, Add	*7.14*	
		For Galvanized Steel, Add	*24.61*	
		For High Strength Steel (HSS), Add	*12.87*	
05 12 23 00-0532	LF	8" x 6" x 3/4" Thick, Plain Steel Angle Iron	75.78	21.77
		For >100 To 250, Deduct	*-3.35*	
		For >250 To 500, Deduct	*-5.24*	
		For >500 To 1,000, Deduct	*-7.86*	
		For >1,000, Deduct	*-10.48*	
		For 316 Stainless Steel, Add	*149.60*	
		For Aluminum, Add	*8.42*	
		For Galvanized Steel, Add	*28.99*	
		For High Strength Steel (HSS), Add	*15.16*	
05 12 23 00-0533	LF	8" x 8" x 3/4" Thick, Plain Steel Angle Iron	87.22	25.06
		For >100 To 250, Deduct	*-3.85*	
		For >250 To 500, Deduct	*-6.03*	
		For >500 To 1,000, Deduct	*-9.05*	
		For >1,000, Deduct	*-12.06*	
		For 316 Stainless Steel, Add	*172.16*	
		For Aluminum, Add	*9.68*	
		For Galvanized Steel, Add	*33.36*	
		For High Strength Steel (HSS), Add	*17.44*	

05 12 23 00-0534 7/8" Thick *(05 12 23 00-0423)*

05 12 23 00-0535	LF	5" x 5" x 7/8" Thick, Plain Steel Angle Iron	59.41	16.35
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.06*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000, Deduct	*-8.12*	
		For 316 Stainless Steel, Add	*120.35*	
		For Aluminum, Add	*6.77*	
		For Galvanized Steel, Add	*23.32*	
		For High Strength Steel (HSS), Add	*11.88*	
05 12 23 00-0536	LF	6" x 4" x 7/8" Thick, Plain Steel Angle Iron	59.41	16.35
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.06*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000, Deduct	*-8.12*	
		For 316 Stainless Steel, Add	*120.35*	
		For Aluminum, Add	*6.77*	
		For Galvanized Steel, Add	*23.32*	
		For High Strength Steel (HSS), Add	*11.88*	
05 12 23 00-0537	LF	6" x 6" x 7/8" Thick, Plain Steel Angle Iron	72.32	19.91
		For >100 To 250, Deduct	*-3.14*	
		For >250 To 500, Deduct	*-4.94*	
		For >500 To 1,000, Deduct	*-7.41*	
		For >1,000, Deduct	*-9.89*	
		For 316 Stainless Steel, Add	*146.50*	
		For Aluminum, Add	*8.24*	
		For Galvanized Steel, Add	*28.38*	
		For High Strength Steel (HSS), Add	*14.46*	
05 12 23 00-0538	LF	8" x 6" x 7/8" Thick, Plain Steel Angle Iron	85.42	23.51
		For >100 To 250, Deduct	*-3.70*	
		For >250 To 500, Deduct	*-5.84*	
		For >500 To 1,000, Deduct	*-8.76*	
		For >1,000, Deduct	*-11.68*	
		For 316 Stainless Steel, Add	*173.02*	
		For Aluminum, Add	*9.73*	
		For Galvanized Steel, Add	*33.52*	
		For High Strength Steel (HSS), Add	*17.08*	
05 12 23 00-0539	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron	98.30	27.07
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-6.72*	
		For >500 To 1,000, Deduct	*-10.08*	
		For >1,000, Deduct	*-13.44*	
		For 316 Stainless Steel, Add	*199.10*	
		For Aluminum, Add	*11.20*	
		For Galvanized Steel, Add	*38.58*	
		For High Strength Steel (HSS), Add	*19.66*	

05 12 23 00-0540 Bar Channel *(05 12 23 00-0422)*

05 12 23 00-0541	LF	1" x 1/2" x 1/8" Thick Bar Channel	5.12	
		For 304 Stainless Steel, Add	*4.30*	
		For 316 Stainless Steel, Add	*4.83*	
		For Aluminum, Add	*0.27*	
		For Galvanized Steel, Add	*0.94*	
		For High Strength Steel (HSS), Add	*1.02*	
05 12 23 00-0542	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	5.73	
		For 304 Stainless Steel, Add	*5.13*	
		For 316 Stainless Steel, Add	*5.76*	
		For Aluminum, Add	*0.32*	
		For Galvanized Steel, Add	*1.12*	
		For High Strength Steel (HSS), Add	*1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0543	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	6.24	
		For 304 Stainless Steel, Add	*5.67*	
		For 316 Stainless Steel, Add	*6.37*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.23*	
		For High Strength Steel (HSS), Add	*1.25*	
05 12 23 00-0544	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	7.17	
		For 304 Stainless Steel, Add	*5.93*	
		For 316 Stainless Steel, Add	*6.66*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.29*	
		For High Strength Steel (HSS), Add	*1.43*	
05 12 23 00-0545	LF	2" x 1/2" x 1/8" Thick Bar Channel	7.64	
		For 304 Stainless Steel, Add	*7.27*	
		For 316 Stainless Steel, Add	*8.16*	
		For Aluminum, Add	*0.46*	
		For Galvanized Steel, Add	*1.58*	
05 12 23 00-0546	LF	2" x 1" x 1/8" Thick Bar Channel	10.10	
		For 304 Stainless Steel, Add	*8.09*	
		For 316 Stainless Steel, Add	*9.09*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.76*	

05 12 23 00-0547 Channels - C *(05 12 23 00-0422)*

05 12 23 00-0548	LF	C2 x 1.78 - 2" Wide Channel	8.39	4.48
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.44*	
		For 304 Stainless Steel, Add	*6.90*	
		For 316 Stainless Steel, Add	*7.74*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.50*	
05 12 23 00-0549	LF	C3 x 4.1 - 3" Wide Channel	14.26	6.44
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.29*	
		For 304 Stainless Steel, Add	*16.16*	
		For 316 Stainless Steel, Add	*18.14*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.52*	
05 12 23 00-0550	LF	C3 x 5 - 3" Wide Channel	17.39	7.86
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000, Deduct	*-2.79*	
		For 304 Stainless Steel, Add	*19.69*	
		For 316 Stainless Steel, Add	*22.11*	
		For Aluminum, Add	*1.24*	
		For Galvanized Steel, Add	*4.28*	
05 12 23 00-0551	LF	C3 x 6 - 3" Wide Channel	20.88	9.43
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000, Deduct	*-3.35*	
		For 304 Stainless Steel, Add	*23.66*	
		For 316 Stainless Steel, Add	*26.56*	
		For Aluminum, Add	*1.49*	
		For Galvanized Steel, Add	*5.15*	
05 12 23 00-0552	LF	C4 x 5.4 - 4" Wide Channel	17.78	7.73
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000, Deduct	*-2.81*	
		For 304 Stainless Steel, Add	*21.29*	
		For 316 Stainless Steel, Add	*23.90*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.63*	
05 12 23 00-0553	LF	C4 x 7.25 - 4" Wide Channel	23.86	10.37
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000, Deduct	*-3.77*	
		For 304 Stainless Steel, Add	*28.56*	
		For 316 Stainless Steel, Add	*32.06*	
		For Aluminum, Add	*1.80*	
		For Galvanized Steel, Add	*6.21*	
05 12 23 00-0554	LF	C5 x 6.7 - 5" Wide Channel	21.28	9.01
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000, Deduct	*-3.33*	
		For 304 Stainless Steel, Add	*26.39*	
		For 316 Stainless Steel, Add	*29.63*	
		For Aluminum, Add	*1.67*	
		For Galvanized Steel, Add	*5.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0555	LF	C5 x 9 - 5" Wide Channel	28.59	12.11
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.24*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-4.47*	
		For 304 Stainless Steel, Add	*35.45*	
		For 316 Stainless Steel, Add	*39.81*	
		For Aluminum, Add	*2.24*	
		For Galvanized Steel, Add	*7.71*	
05 12 23 00-0556	LF	C6 x 8.2 - 6" Wide Channel	25.77	10.83
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-4.02*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
05 12 23 00-0557	LF	C6 x 10.5 - 6" Wide Channel	33.00	13.86
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.57*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000, Deduct	*-5.15*	
		For 304 Stainless Steel, Add	*41.38*	
		For 316 Stainless Steel, Add	*46.46*	
		For Aluminum, Add	*2.61*	
		For Galvanized Steel, Add	*9.00*	
05 12 23 00-0558	LF	C6 x 13 - 6" Wide Channel	40.85	17.16
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 500, Deduct	*-3.19*	
		For >500 To 1,000, Deduct	*-4.78*	
		For >1,000, Deduct	*-6.37*	
		For 304 Stainless Steel, Add	*51.21*	
		For 316 Stainless Steel, Add	*57.50*	
		For Aluminum, Add	*3.23*	
		For Galvanized Steel, Add	*11.14*	
05 12 23 00-0559	LF	C7 x 9.8 - 7" Wide Channel	30.73	12.88
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000, Deduct	*-4.79*	
		For 304 Stainless Steel, Add	*38.62*	
		For 316 Stainless Steel, Add	*43.36*	
		For Aluminum, Add	*2.44*	
		For Galvanized Steel, Add	*8.40*	
05 12 23 00-0560	LF	C7 x 12.25 - 7" Wide Channel	38.41	16.10
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.99*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-5.99*	
		For 304 Stainless Steel, Add	*48.28*	
		For 316 Stainless Steel, Add	*54.21*	
		For Aluminum, Add	*3.05*	
		For Galvanized Steel, Add	*10.50*	
05 12 23 00-0561	LF	C7 x 14.75 - 7" Wide Channel	46.25	19.39
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-5.41*	
		For >1,000, Deduct	*-7.21*	
		For 304 Stainless Steel, Add	*58.11*	
		For 316 Stainless Steel, Add	*65.25*	
		For Aluminum, Add	*3.67*	
		For Galvanized Steel, Add	*12.64*	
05 12 23 00-0562	LF	C8 x 11.5 - 8" Wide Channel	34.80	14.17
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.69*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-5.37*	
		For 304 Stainless Steel, Add	*45.32*	
		For 316 Stainless Steel, Add	*50.88*	
		For Aluminum, Add	*2.86*	
		For Galvanized Steel, Add	*9.86*	
05 12 23 00-0563	LF	C8 x 13.75 - 8" Wide Channel	41.61	16.95
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 500, Deduct	*-3.21*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-6.42*	
		For 304 Stainless Steel, Add	*54.18*	
		For 316 Stainless Steel, Add	*60.83*	
		For Aluminum, Add	*3.42*	
		For Galvanized Steel, Add	*11.79*	
05 12 23 00-0564	LF	C8 x 18.75 - 8" Wide Channel	56.73	23.11
		For >100 To 250, Deduct	*-2.96*	
		For >250 To 500, Deduct	*-4.38*	
		For >500 To 1,000, Deduct	*-6.57*	
		For >1,000, Deduct	*-8.75*	
		For 304 Stainless Steel, Add	*73.87*	
		For 316 Stainless Steel, Add	*82.94*	
		For Aluminum, Add	*4.67*	
		For Galvanized Steel, Add	*16.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0565	LF	C9 x 13.4 - 9" Wide Channel	40.55	16.52
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.13*	
		For >500 To 1,000, Deduct	*-4.69*	
		For >1,000, Deduct	*-6.26*	
		For 304 Stainless Steel, Add	*52.81*	
		For 316 Stainless Steel, Add	*59.30*	
		For Aluminum, Add	*3.34*	
		For Galvanized Steel, Add	*11.49*	
05 12 23 00-0566	LF	C9 x 15 - 9" Wide Channel	45.39	18.49
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-3.50*	
		For >500 To 1,000, Deduct	*-5.25*	
		For >1,000, Deduct	*-7.00*	
		For 304 Stainless Steel, Add	*59.11*	
		For 316 Stainless Steel, Add	*66.37*	
		For Aluminum, Add	*3.73*	
		For Galvanized Steel, Add	*12.86*	
05 12 23 00-0567	LF	C9 x 20 - 9" Wide Channel	60.52	24.65
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-4.67*	
		For >500 To 1,000, Deduct	*-7.00*	
		For >1,000, Deduct	*-9.34*	
		For 304 Stainless Steel, Add	*78.80*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
05 12 23 00-0568	LF	C10 x 15.3 - 10" Wide Channel	46.29	18.85
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-5.36*	
		For >1,000, Deduct	*-7.14*	
		For 304 Stainless Steel, Add	*60.28*	
		For 316 Stainless Steel, Add	*67.68*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.11*	
05 12 23 00-0569	LF	C10 x 20 - 10" Wide Channel	60.52	24.65
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-4.67*	
		For >500 To 1,000, Deduct	*-7.00*	
		For >1,000, Deduct	*-9.34*	
		For 304 Stainless Steel, Add	*78.80*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
05 12 23 00-0570	LF	C10 x 25 - 10" Wide Channel	75.66	30.81
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-5.84*	
		For >500 To 1,000, Deduct	*-8.76*	
		For >1,000, Deduct	*-11.68*	
		For 304 Stainless Steel, Add	*98.52*	
		For 316 Stainless Steel, Add	*110.62*	
		For Aluminum, Add	*6.22*	
		For Galvanized Steel, Add	*21.43*	
05 12 23 00-0571	LF	C10 x 30 - 10" Wide Channel	90.78	36.97
		For >100 To 250, Deduct	*-4.73*	
		For >250 To 500, Deduct	*-7.00*	
		For >500 To 1,000, Deduct	*-10.51*	
		For >1,000, Deduct	*-14.01*	
		For 304 Stainless Steel, Add	*118.22*	
		For 316 Stainless Steel, Add	*132.74*	
		For Aluminum, Add	*7.47*	
		For Galvanized Steel, Add	*25.72*	
05 12 23 00-0572	LF	C12 x 20.7 - 12" Wide Channel	62.64	25.52
		For >100 To 250, Deduct	*-3.27*	
		For >250 To 500, Deduct	*-4.83*	
		For >500 To 1,000, Deduct	*-7.25*	
		For >1,000, Deduct	*-9.67*	
		For 304 Stainless Steel, Add	*81.57*	
		For 316 Stainless Steel, Add	*91.58*	
		For Aluminum, Add	*5.15*	
		For Galvanized Steel, Add	*17.74*	
05 12 23 00-0573	LF	C12 x 25 - 12" Wide Channel	75.66	30.81
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-5.84*	
		For >500 To 1,000, Deduct	*-8.76*	
		For >1,000, Deduct	*-11.68*	
		For 304 Stainless Steel, Add	*98.52*	
		For 316 Stainless Steel, Add	*110.62*	
		For Aluminum, Add	*6.22*	
		For Galvanized Steel, Add	*21.43*	
05 12 23 00-0574	LF	C12 x 30 - 12" Wide Channel	90.78	36.97
		For >100 To 250, Deduct	*-4.73*	
		For >250 To 500, Deduct	*-7.00*	
		For >500 To 1,000, Deduct	*-10.51*	
		For >1,000, Deduct	*-14.01*	
		For 304 Stainless Steel, Add	*118.22*	
		For 316 Stainless Steel, Add	*132.74*	
		For Aluminum, Add	*7.47*	
		For Galvanized Steel, Add	*25.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0575	LF	C15 x 33.9 - 15" Wide Channel	102.58	41.78
		For >100 To 250, Deduct	*-5.35*	
		For >250 To 500, Deduct	*-7.91*	
		For >500 To 1,000, Deduct	*-11.87*	
		For >1,000, Deduct	*-15.83*	
		For 304 Stainless Steel, Add	*133.58*	
		For 316 Stainless Steel, Add	*149.98*	
		For Aluminum, Add	*8.44*	
		For Galvanized Steel, Add	*29.06*	
05 12 23 00-0576	LF	C15 x 40 - 15" Wide Channel	121.04	49.30
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.34*	
		For >500 To 1,000, Deduct	*-14.01*	
		For >1,000, Deduct	*-18.68*	
		For 304 Stainless Steel, Add	*157.63*	
		For 316 Stainless Steel, Add	*176.99*	
		For Aluminum, Add	*9.96*	
		For Galvanized Steel, Add	*34.29*	
05 12 23 00-0577	LF	C15 x 50 - 15" Wide Channel	151.30	61.62
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-11.67*	
		For >500 To 1,000, Deduct	*-17.51*	
		For >1,000, Deduct	*-23.35*	
		For 304 Stainless Steel, Add	*197.02*	
		For 316 Stainless Steel, Add	*221.22*	
		For Aluminum, Add	*12.44*	
		For Galvanized Steel, Add	*42.86*	

05 12 23 00-0578 Miscellaneous Channels - MC *(05 12 23 00-0422)*

05 12 23 00-0579	LF	MC6 x 12 - 6" Wide Channel	37.71	15.84
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.94*	
		For >500 To 1,000, Deduct	*-4.41*	
		For >1,000, Deduct	*-5.88*	
		For 304 Stainless Steel, Add	*47.28*	
		For 316 Stainless Steel, Add	*53.09*	
		For Aluminum, Add	*2.99*	
		For Galvanized Steel, Add	*10.29*	
05 12 23 00-0580	LF	MC6 x 15.1 - 6" Wide Channel	47.46	19.93
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.70*	
		For >500 To 1,000, Deduct	*-5.55*	
		For >1,000, Deduct	*-7.40*	
		For 304 Stainless Steel, Add	*59.51*	
		For 316 Stainless Steel, Add	*66.82*	
		For Aluminum, Add	*3.76*	
		For Galvanized Steel, Add	*12.95*	
05 12 23 00-0581	LF	MC6 x 15.3 - 6" Wide Channel	48.08	20.19
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.75*	
		For >500 To 1,000, Deduct	*-5.63*	
		For >1,000, Deduct	*-7.50*	
		For 304 Stainless Steel, Add	*60.28*	
		For 316 Stainless Steel, Add	*67.68*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.11*	
05 12 23 00-0582	LF	MC6 x 16.3 - 6" Wide Channel	51.23	21.51
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.00*	
		For >500 To 1,000, Deduct	*-5.99*	
		For >1,000, Deduct	*-7.99*	
		For 304 Stainless Steel, Add	*64.24*	
		For 316 Stainless Steel, Add	*72.13*	
		For Aluminum, Add	*4.06*	
		For Galvanized Steel, Add	*13.97*	
05 12 23 00-0583	LF	MC6 x 18 - 6" Wide Channel	56.57	23.76
		For >100 To 250, Deduct	*-3.00*	
		For >250 To 500, Deduct	*-4.41*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000, Deduct	*-8.83*	
		For 304 Stainless Steel, Add	*70.94*	
		For 316 Stainless Steel, Add	*79.65*	
		For Aluminum, Add	*4.48*	
		For Galvanized Steel, Add	*15.43*	
05 12 23 00-0584	LF	MC7 x 17.6 - 7" Wide Channel	55.19	23.15
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-4.30*	
		For >500 To 1,000, Deduct	*-6.45*	
		For >1,000, Deduct	*-8.61*	
		For 304 Stainless Steel, Add	*69.34*	
		For 316 Stainless Steel, Add	*77.86*	
		For Aluminum, Add	*4.38*	
		For Galvanized Steel, Add	*15.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0585	LF	MC7 x 19.1 - 7" Wide Channel	59.91	25.12
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-4.67*	
		For >500 To 1,000, Deduct	*-7.01*	
		For >1,000, Deduct	*-9.34*	
		For 304 Stainless Steel, Add	*75.27*	
		For 316 Stainless Steel, Add	*84.51*	
		For Aluminum, Add	*4.75*	
		For Galvanized Steel, Add	*16.37*	
05 12 23 00-0586	LF	MC7 x 22.7 - 7" Wide Channel	71.19	29.85
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-5.55*	
		For >500 To 1,000, Deduct	*-8.32*	
		For >1,000, Deduct	*-11.10*	
		For 304 Stainless Steel, Add	*89.46*	
		For 316 Stainless Steel, Add	*100.45*	
		For Aluminum, Add	*5.65*	
		For Galvanized Steel, Add	*19.46*	
05 12 23 00-0587	LF	MC8 x 8.5 - 8" Wide Channel	25.73	10.48
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000, Deduct	*-3.97*	
		For 304 Stainless Steel, Add	*33.49*	
		For 316 Stainless Steel, Add	*37.60*	
		For Aluminum, Add	*2.12*	
		For Galvanized Steel, Add	*7.29*	
05 12 23 00-0588	LF	MC8 x 18.7 - 8" Wide Channel	56.59	23.04
		For >100 To 250, Deduct	*-2.95*	
		For >250 To 500, Deduct	*-4.37*	
		For >500 To 1,000, Deduct	*-6.55*	
		For >1,000, Deduct	*-8.73*	
		For 304 Stainless Steel, Add	*73.70*	
		For 316 Stainless Steel, Add	*82.75*	
		For Aluminum, Add	*4.65*	
		For Galvanized Steel, Add	*16.03*	
05 12 23 00-0589	LF	MC8 x 20 - 8" Wide Channel	60.52	24.65
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-4.67*	
		For >500 To 1,000, Deduct	*-7.00*	
		For >1,000, Deduct	*-9.34*	
		For 304 Stainless Steel, Add	*78.80*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
05 12 23 00-0590	LF	MC8 x 21.4 - 8" Wide Channel	64.77	26.38
		For >100 To 250, Deduct	*-3.38*	
		For >250 To 500, Deduct	*-5.00*	
		For >500 To 1,000, Deduct	*-7.50*	
		For >1,000, Deduct	*-10.00*	
		For 304 Stainless Steel, Add	*84.33*	
		For 316 Stainless Steel, Add	*94.69*	
		For Aluminum, Add	*5.33*	
		For Galvanized Steel, Add	*18.35*	
05 12 23 00-0591	LF	MC8 x 22.8 - 8" Wide Channel	68.98	28.11
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-5.32*	
		For >500 To 1,000, Deduct	*-7.98*	
		For >1,000, Deduct	*-10.64*	
		For 304 Stainless Steel, Add	*89.83*	
		For 316 Stainless Steel, Add	*100.86*	
		For Aluminum, Add	*5.67*	
		For Galvanized Steel, Add	*19.54*	
05 12 23 00-0592	LF	MC9 x 23.9 - 9" Wide Channel	72.33	29.46
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-5.58*	
		For >500 To 1,000, Deduct	*-8.37*	
		For >1,000, Deduct	*-11.16*	
		For 304 Stainless Steel, Add	*94.19*	
		For 316 Stainless Steel, Add	*105.76*	
		For Aluminum, Add	*5.95*	
		For Galvanized Steel, Add	*20.49*	
05 12 23 00-0593	LF	MC9 x 25.4 - 9" Wide Channel	76.85	31.30
		For >100 To 250, Deduct	*-4.01*	
		For >250 To 500, Deduct	*-5.93*	
		For >500 To 1,000, Deduct	*-8.89*	
		For >1,000, Deduct	*-11.86*	
		For 304 Stainless Steel, Add	*100.09*	
		For 316 Stainless Steel, Add	*112.38*	
		For Aluminum, Add	*6.32*	
		For Galvanized Steel, Add	*21.77*	
05 12 23 00-0594	LF	MC10 x 6.5 - 10" Wide Channel	19.68	8.01
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.28*	
		For >1,000, Deduct	*-3.04*	
		For 304 Stainless Steel, Add	*25.62*	
		For 316 Stainless Steel, Add	*28.77*	
		For Aluminum, Add	*1.62*	
		For Galvanized Steel, Add	*5.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0595	LF	MC10 x 8.4 - 10" Wide Channel	25.41	10.35
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000, Deduct	*-3.92*	
		For 304 Stainless Steel, Add	*33.09*	
		For 316 Stainless Steel, Add	*37.15*	
		For Aluminum, Add	*2.09*	
		For Galvanized Steel, Add	*7.20*	
05 12 23 00-0596	LF	MC10 x 21.9 - 10" Wide Channel	66.26	27.00
		For >100 To 250, Deduct	*-3.46*	
		For >250 To 500, Deduct	*-5.11*	
		For >500 To 1,000, Deduct	*-7.67*	
		For >1,000, Deduct	*-10.22*	
		For 304 Stainless Steel, Add	*86.30*	
		For 316 Stainless Steel, Add	*96.90*	
		For Aluminum, Add	*5.45*	
		For Galvanized Steel, Add	*18.77*	
05 12 23 00-0597	LF	MC10 x 24.9 - 10" Wide Channel	75.36	30.70
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-5.81*	
		For >500 To 1,000, Deduct	*-8.72*	
		For >1,000, Deduct	*-11.63*	
		For 304 Stainless Steel, Add	*98.13*	
		For 316 Stainless Steel, Add	*110.18*	
		For Aluminum, Add	*6.20*	
		For Galvanized Steel, Add	*21.35*	
05 12 23 00-0598	LF	MC10 x 25.3 - 10" Wide Channel	76.55	31.19
		For >100 To 250, Deduct	*-3.99*	
		For >250 To 500, Deduct	*-5.91*	
		For >500 To 1,000, Deduct	*-8.86*	
		For >1,000, Deduct	*-11.81*	
		For 304 Stainless Steel, Add	*99.69*	
		For 316 Stainless Steel, Add	*111.94*	
		For Aluminum, Add	*6.30*	
		For Galvanized Steel, Add	*21.69*	
05 12 23 00-0599	LF	MC10 x 28.3 - 10" Wide Channel	85.65	34.87
		For >100 To 250, Deduct	*-4.47*	
		For >250 To 500, Deduct	*-6.61*	
		For >500 To 1,000, Deduct	*-9.91*	
		For >1,000, Deduct	*-13.22*	
		For 304 Stainless Steel, Add	*111.52*	
		For 316 Stainless Steel, Add	*125.22*	
		For Aluminum, Add	*7.04*	
		For Galvanized Steel, Add	*24.26*	
05 12 23 00-0600	LF	MC10 x 28.5 - 10" Wide Channel	86.25	35.13
		For >100 To 250, Deduct	*-4.50*	
		For >250 To 500, Deduct	*-6.65*	
		For >500 To 1,000, Deduct	*-9.98*	
		For >1,000, Deduct	*-13.31*	
		For 304 Stainless Steel, Add	*112.32*	
		For 316 Stainless Steel, Add	*126.11*	
		For Aluminum, Add	*7.09*	
		For Galvanized Steel, Add	*24.43*	
05 12 23 00-0601	LF	MC10 x 33.6 - 10" Wide Channel	101.68	41.42
		For >100 To 250, Deduct	*-5.30*	
		For >250 To 500, Deduct	*-7.85*	
		For >500 To 1,000, Deduct	*-11.77*	
		For >1,000, Deduct	*-15.69*	
		For 304 Stainless Steel, Add	*132.41*	
		For 316 Stainless Steel, Add	*148.67*	
		For Aluminum, Add	*8.36*	
		For Galvanized Steel, Add	*28.81*	
05 12 23 00-0602	LF	MC10 x 41.1 - 10" Wide Channel	124.37	50.66
		For >100 To 250, Deduct	*-6.49*	
		For >250 To 500, Deduct	*-9.60*	
		For >500 To 1,000, Deduct	*-14.39*	
		For >1,000, Deduct	*-19.19*	
		For 304 Stainless Steel, Add	*161.97*	
		For 316 Stainless Steel, Add	*181.86*	
		For Aluminum, Add	*10.23*	
		For Galvanized Steel, Add	*35.23*	
05 12 23 00-0603	LF	MC12 x 30.9 - 12" Wide Channel	93.51	38.09
		For >100 To 250, Deduct	*-4.88*	
		For >250 To 500, Deduct	*-7.22*	
		For >500 To 1,000, Deduct	*-10.82*	
		For >1,000, Deduct	*-14.43*	
		For 304 Stainless Steel, Add	*121.75*	
		For 316 Stainless Steel, Add	*136.70*	
		For Aluminum, Add	*7.69*	
		For Galvanized Steel, Add	*26.49*	
05 12 23 00-0604	LF	MC12 x 32.9 - 12" Wide Channel	99.56	40.54
		For >100 To 250, Deduct	*-5.19*	
		For >250 To 500, Deduct	*-7.68*	
		For >500 To 1,000, Deduct	*-11.52*	
		For >1,000, Deduct	*-15.36*	
		For 304 Stainless Steel, Add	*129.65*	
		For 316 Stainless Steel, Add	*145.57*	
		For Aluminum, Add	*8.19*	
		For Galvanized Steel, Add	*28.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0605	LF	MC12 x 35 - 12" Wide Channel	105.91	43.13
		For >100 To 250, Deduct	*-5.52*	
		For >250 To 500, Deduct	*-8.17*	
		For >500 To 1,000, Deduct	*-12.26*	
		For >1,000, Deduct	*-16.34*	
		For 304 Stainless Steel, Add	*137.91*	
		For 316 Stainless Steel, Add	*154.85*	
		For Aluminum, Add	*8.71*	
		For Galvanized Steel, Add	*30.00*	
05 12 23 00-0606	LF	MC12 x 37 - 12" Wide Channel	111.97	45.61
		For >100 To 250, Deduct	*-5.84*	
		For >250 To 500, Deduct	*-8.64*	
		For >500 To 1,000, Deduct	*-12.96*	
		For >1,000, Deduct	*-17.28*	
		For 304 Stainless Steel, Add	*145.81*	
		For 316 Stainless Steel, Add	*163.71*	
		For Aluminum, Add	*9.21*	
		For Galvanized Steel, Add	*31.72*	
05 12 23 00-0607	LF	MC12 x 40 - 12" Wide Channel	121.04	49.30
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.34*	
		For >500 To 1,000, Deduct	*-14.01*	
		For >1,000, Deduct	*-18.68*	
		For 304 Stainless Steel, Add	*157.63*	
		For 316 Stainless Steel, Add	*176.99*	
		For Aluminum, Add	*9.96*	
		For Galvanized Steel, Add	*34.29*	
05 12 23 00-0608	LF	MC12 x 45 - 12" Wide Channel	136.18	55.47
		For >100 To 250, Deduct	*-7.10*	
		For >250 To 500, Deduct	*-10.51*	
		For >500 To 1,000, Deduct	*-15.76*	
		For >1,000, Deduct	*-21.01*	
		For 304 Stainless Steel, Add	*177.33*	
		For 316 Stainless Steel, Add	*199.10*	
		For Aluminum, Add	*11.20*	
		For Galvanized Steel, Add	*38.58*	
05 12 23 00-0609	LF	MC12 x 50 - 12" Wide Channel	151.30	61.63
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-11.67*	
		For >500 To 1,000, Deduct	*-17.51*	
		For >1,000, Deduct	*-23.35*	
		For 304 Stainless Steel, Add	*197.02*	
		For 316 Stainless Steel, Add	*221.22*	
		For Aluminum, Add	*12.44*	
		For Galvanized Steel, Add	*42.86*	
05 12 23 00-0610	LF	MC13 x 31.8 - 13" Wide Channel	96.24	39.20
		For >100 To 250, Deduct	*-5.02*	
		For >250 To 500, Deduct	*-7.43*	
		For >500 To 1,000, Deduct	*-11.14*	
		For >1,000, Deduct	*-14.85*	
		For 304 Stainless Steel, Add	*125.31*	
		For 316 Stainless Steel, Add	*140.70*	
		For Aluminum, Add	*7.91*	
		For Galvanized Steel, Add	*27.26*	
05 12 23 00-0611	LF	MC13 x 35 - 13" Wide Channel	105.91	43.13
		For >100 To 250, Deduct	*-5.52*	
		For >250 To 500, Deduct	*-8.17*	
		For >500 To 1,000, Deduct	*-12.26*	
		For >1,000, Deduct	*-16.34*	
		For 304 Stainless Steel, Add	*137.91*	
		For 316 Stainless Steel, Add	*154.85*	
		For Aluminum, Add	*8.71*	
		For Galvanized Steel, Add	*30.00*	
05 12 23 00-0612	LF	MC13 x 40 - 13" Wide Channel	121.04	49.30
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.34*	
		For >500 To 1,000, Deduct	*-14.01*	
		For >1,000, Deduct	*-18.68*	
		For 304 Stainless Steel, Add	*157.63*	
		For 316 Stainless Steel, Add	*176.99*	
		For Aluminum, Add	*9.96*	
		For Galvanized Steel, Add	*34.29*	
05 12 23 00-0613	LF	MC13 x 50 - 13" Wide Channel	151.30	61.63
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-11.67*	
		For >500 To 1,000, Deduct	*-17.51*	
		For >1,000, Deduct	*-23.35*	
		For 304 Stainless Steel, Add	*197.02*	
		For 316 Stainless Steel, Add	*221.22*	
		For Aluminum, Add	*12.44*	
		For Galvanized Steel, Add	*42.86*	
05 12 23 00-0614	LF	MC18 x 42.7 - 18" Wide Channel	129.21	52.63
		For >100 To 250, Deduct	*-6.74*	
		For >250 To 500, Deduct	*-9.97*	
		For >500 To 1,000, Deduct	*-14.95*	
		For >1,000, Deduct	*-19.94*	
		For 304 Stainless Steel, Add	*168.26*	
		For 316 Stainless Steel, Add	*188.93*	
		For Aluminum, Add	*10.63*	
		For Galvanized Steel, Add	*36.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0615	LF	MC18 x 45.8 - 18" Wide Channel	138.59	56.46
		For >100 To 250, Deduct	*-7.23*	
		For >250 To 500, Deduct	*-10.69*	
		For >500 To 1,000, Deduct	*-16.04*	
		For >1,000, Deduct	*-21.39*	
		For 304 Stainless Steel, Add	*180.49*	
		For 316 Stainless Steel, Add	*202.66*	
		For Aluminum, Add	*11.40*	
		For Galvanized Steel, Add	*39.26*	
05 12 23 00-0616	LF	MC18 x 51.9 - 18" Wide Channel	157.06	63.97
		For >100 To 250, Deduct	*-8.19*	
		For >250 To 500, Deduct	*-12.12*	
		For >500 To 1,000, Deduct	*-18.18*	
		For >1,000, Deduct	*-24.24*	
		For 304 Stainless Steel, Add	*204.52*	
		For 316 Stainless Steel, Add	*229.63*	
		For Aluminum, Add	*12.92*	
		For Galvanized Steel, Add	*44.49*	
05 12 23 00-0617	LF	MC18 x 58 - 18" Wide Channel	175.51	71.48
		For >100 To 250, Deduct	*-9.15*	
		For >250 To 500, Deduct	*-13.54*	
		For >500 To 1,000, Deduct	*-20.31*	
		For >1,000, Deduct	*-27.08*	
		For 304 Stainless Steel, Add	*228.54*	
		For 316 Stainless Steel, Add	*256.61*	
		For Aluminum, Add	*14.43*	
		For Galvanized Steel, Add	*49.72*	

05 12 23 00-0618 Structural Bar Tees *(05 12 23 00-0422)*

05 12 23 00-0619	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	5.49	3.28
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.99*	
		For 304 Stainless Steel, Add	*3.19*	
		For 316 Stainless Steel, Add	*3.58*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.69*	
05 12 23 00-0620	LF	1" x 1" x 1/8" Structural Bar Tee	6.69	3.87
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.19*	
		For 304 Stainless Steel, Add	*4.36*	
		For 316 Stainless Steel, Add	*4.90*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.95*	
05 12 23 00-0621	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.33	4.46
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.63*	
		For 304 Stainless Steel, Add	*12.48*	
		For 316 Stainless Steel, Add	*14.02*	
		For Aluminum, Add	*0.79*	
		For Galvanized Steel, Add	*2.72*	
05 12 23 00-0622	LF	2" x 2" x 1/4" Structural Bar Tee	14.31	5.84
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000, Deduct	*-2.21*	
		For 304 Stainless Steel, Add	*18.61*	
		For 316 Stainless Steel, Add	*20.90*	
		For Aluminum, Add	*1.18*	
		For Galvanized Steel, Add	*4.05*	
05 12 23 00-0623	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	21.13	7.04
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.05*	
		For 304 Stainless Steel, Add	*33.43*	
		For 316 Stainless Steel, Add	*37.54*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
05 12 23 00-0624	LF	3" x 3" x 3/8" Structural Bar Tee	26.09	9.02
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-2.86*	
		For >1,000, Deduct	*-3.81*	
		For 304 Stainless Steel, Add	*40.10*	
		For 316 Stainless Steel, Add	*45.02*	
		For Aluminum, Add	*2.53*	
		For Galvanized Steel, Add	*8.72*	

05 12 23 00-0625 Structural Zees *(05 12 23 00-0422)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0626	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	12.49	4.46
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.84*	
		For 304 Stainless Steel, Add	*18.64*	
		For 316 Stainless Steel, Add	*20.93*	
		For Aluminum, Add	*1.18*	
		For Galvanized Steel, Add	*4.05*	
05 12 23 00-0627	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	22.74	5.33
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000, Deduct	*-2.98*	
		For 304 Stainless Steel, Add	*44.57*	
		For 316 Stainless Steel, Add	*50.05*	
		For Aluminum, Add	*2.82*	
		For Galvanized Steel, Add	*9.70*	
05 12 23 00-0628	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	27.16	6.01
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.64*	
		For >1,000, Deduct	*-3.52*	
		For 304 Stainless Steel, Add	*54.55*	
		For 316 Stainless Steel, Add	*61.25*	
		For Aluminum, Add	*3.45*	
		For Galvanized Steel, Add	*11.87*	
05 12 23 00-0629	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	36.24	6.87
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000, Deduct	*-4.54*	
		For 304 Stainless Steel, Add	*77.18*	
		For 316 Stainless Steel, Add	*86.66*	
		For Aluminum, Add	*4.87*	
		For Galvanized Steel, Add	*16.79*	
05 12 23 00-0630	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	46.62	7.47
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.83*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000, Deduct	*-5.66*	
		For 304 Stainless Steel, Add	*104.45*	
		For 316 Stainless Steel, Add	*117.28*	
		For Aluminum, Add	*6.60*	
		For Galvanized Steel, Add	*22.72*	

05 12 23 00-0631 Junior I-Beams *(05 12 23 00-0422)*

05 12 23 00-0632	LF	3" Junior I-Beam, 2.9 Lb./LF	17.21	6.45
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.29*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.58*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.34*	
05 12 23 00-0633	LF	4" Junior I-Beam, 3.2 Lb./LF	18.91	7.04
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.42*	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000, Deduct	*-2.83*	
		For 304 Stainless Steel, Add	*27.10*	
		For 316 Stainless Steel, Add	*30.43*	
		For Aluminum, Add	*1.71*	
		For Galvanized Steel, Add	*5.90*	
05 12 23 00-0634	LF	5" Junior I-Beam, 3.8 Lb./LF	21.59	7.73
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.19*	
		For 304 Stainless Steel, Add	*32.18*	
		For 316 Stainless Steel, Add	*36.13*	
		For Aluminum, Add	*2.03*	
		For Galvanized Steel, Add	*7.00*	
05 12 23 00-0635	LF	6" Junior I-Beam, 4.4 Lb./LF	24.30	8.42
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.78*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.55*	
		For 304 Stainless Steel, Add	*37.25*	
		For 316 Stainless Steel, Add	*41.82*	
		For Aluminum, Add	*2.35*	
		For Galvanized Steel, Add	*8.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636	LF	7" Junior I-Beam, 5.5 Lb./LF	28.36	9.01
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-2.02*	
		For >500 To 1,000, Deduct	*-3.03*	
		For >1,000, Deduct	*-4.04*	
		For 304 Stainless Steel, Add	*46.57*	
		For 316 Stainless Steel, Add	*52.29*	
		For Aluminum, Add	*2.94*	
		For Galvanized Steel, Add	*10.13*	
05 12 23 00-0637	LF	8" Junior I-Beam, 6.5 Lb./LF	32.14	9.62
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.25*	
		For >500 To 1,000, Deduct	*-3.37*	
		For >1,000, Deduct	*-4.50*	
		For 304 Stainless Steel, Add	*55.03*	
		For 316 Stainless Steel, Add	*61.79*	
		For Aluminum, Add	*3.48*	
		For Galvanized Steel, Add	*11.97*	
05 12 23 00-0638	LF	10" Junior I-Beam, 9 Lb./LF	41.40	11.00
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.80*	
		For >500 To 1,000, Deduct	*-4.20*	
		For >1,000, Deduct	*-5.61*	
		For 304 Stainless Steel, Add	*76.21*	
		For 316 Stainless Steel, Add	*85.57*	
		For Aluminum, Add	*4.81*	
		For Galvanized Steel, Add	*16.58*	
05 12 23 00-0639	LF	12" Junior I-Beam, 11.8 Lb./LF	52.47	13.06
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.49*	
		For >500 To 1,000, Deduct	*-5.24*	
		For >1,000, Deduct	*-6.99*	
		For 304 Stainless Steel, Add	*99.92*	
		For 316 Stainless Steel, Add	*112.19*	
		For Aluminum, Add	*6.31*	
		For Galvanized Steel, Add	*21.74*	

05 12 23 00-0640 Round Stock *(05 12 23 00-0422)*

05 12 23 00-0641	LF	1/4" Carbon Steel Rounds, ASTM A108	2.48	
		For 304 Stainless Steel, Add	*3.79*	
		For 316 Stainless Steel, Add	*4.26*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.82*	
05 12 23 00-0642	LF	3/8" Carbon Steel Rounds, ASTM A108	3.91	
		For 304 Stainless Steel, Add	*7.44*	
		For 316 Stainless Steel, Add	*8.35*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.62*	
05 12 23 00-0643	LF	1/2" Carbon Steel Rounds, ASTM A108	5.41	
		For 304 Stainless Steel, Add	*11.34*	
		For 316 Stainless Steel, Add	*12.74*	
		For Aluminum, Add	*0.72*	
		For Galvanized Steel, Add	*2.47*	
05 12 23 00-0644	LF	5/8" Carbon Steel Rounds, ASTM A108	8.22	
		For 304 Stainless Steel, Add	*18.90*	
		For 316 Stainless Steel, Add	*21.22*	
		For Aluminum, Add	*1.19*	
		For Galvanized Steel, Add	*4.11*	
05 12 23 00-0645	LF	3/4" Carbon Steel Rounds, ASTM A108	9.79	
		For 304 Stainless Steel, Add	*22.46*	
		For 316 Stainless Steel, Add	*25.22*	
		For Aluminum, Add	*1.42*	
		For Galvanized Steel, Add	*4.89*	
05 12 23 00-0646	LF	7/8" Carbon Steel Rounds, ASTM A108	11.41	
		For 304 Stainless Steel, Add	*26.22*	
		For 316 Stainless Steel, Add	*29.44*	
		For Aluminum, Add	*1.66*	
		For Galvanized Steel, Add	*5.70*	
05 12 23 00-0647	LF	1" Carbon Steel Rounds, ASTM A108	16.62	
		For 304 Stainless Steel, Add	*39.96*	
		For 316 Stainless Steel, Add	*44.86*	
		For Aluminum, Add	*2.52*	
		For Galvanized Steel, Add	*8.69*	
05 12 23 00-0648	LF	1-1/8" Carbon Steel Rounds, ASTM A108	20.22	
		For 304 Stainless Steel, Add	*48.56*	
		For 316 Stainless Steel, Add	*54.53*	
		For Aluminum, Add	*3.07*	
		For Galvanized Steel, Add	*10.56*	
05 12 23 00-0649	LF	1-1/4" Carbon Steel Rounds, ASTM A108	24.14	
		For 304 Stainless Steel, Add	*57.14*	
		For 316 Stainless Steel, Add	*64.16*	
		For Aluminum, Add	*3.61*	
		For Galvanized Steel, Add	*12.43*	
05 12 23 00-0650	LF	1-3/8" Carbon Steel Rounds, ASTM A108	29.24	
		For 304 Stainless Steel, Add	*69.74*	
		For 316 Stainless Steel, Add	*78.30*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0651	LF	1-1/2" Carbon Steel Rounds, ASTM A108	32.57	
		For 304 Stainless Steel, Add	*76.49*	
		For 316 Stainless Steel, Add	*85.89*	
		For Aluminum, Add	*4.83*	
		For Galvanized Steel, Add	*16.64*	
05 12 23 00-0652	LF	1-5/8" Carbon Steel Rounds, ASTM A108	37.58	
		For 304 Stainless Steel, Add	*86.70*	
		For 316 Stainless Steel, Add	*97.34*	
		For Aluminum, Add	*5.48*	
		For Galvanized Steel, Add	*18.86*	
05 12 23 00-0653	LF	1-3/4" Carbon Steel Rounds, ASTM A108	44.95	
		For 304 Stainless Steel, Add	*100.89*	
		For 316 Stainless Steel, Add	*113.28*	
		For Aluminum, Add	*6.37*	
		For Galvanized Steel, Add	*21.95*	
05 12 23 00-0654	LF	1-7/8" Carbon Steel Rounds, ASTM A108	54.07	
		For 304 Stainless Steel, Add	*118.19*	
		For 316 Stainless Steel, Add	*132.70*	
		For Aluminum, Add	*7.46*	
		For Galvanized Steel, Add	*25.71*	
05 12 23 00-0655	LF	2" Carbon Steel Rounds, ASTM A108	61.70	
		For 304 Stainless Steel, Add	*131.47*	
		For 316 Stainless Steel, Add	*147.62*	
		For Aluminum, Add	*8.30*	
		For Galvanized Steel, Add	*28.60*	
05 12 23 00-0656	LF	2-1/8" Carbon Steel Rounds, ASTM A108	72.03	
		For 304 Stainless Steel, Add	*150.14*	
		For 316 Stainless Steel, Add	*168.58*	
		For Aluminum, Add	*9.48*	
		For Galvanized Steel, Add	*32.66*	
05 12 23 00-0657	LF	2-1/4" Carbon Steel Rounds, ASTM A108	81.48	
		For 304 Stainless Steel, Add	*168.81*	
		For 316 Stainless Steel, Add	*189.54*	
		For Aluminum, Add	*10.66*	
		For Galvanized Steel, Add	*36.72*	
05 12 23 00-0658	LF	2-3/8" Carbon Steel Rounds, ASTM A108	93.33	
		For 304 Stainless Steel, Add	*193.09*	
		For 316 Stainless Steel, Add	*216.80*	
		For Aluminum, Add	*12.20*	
		For Galvanized Steel, Add	*42.01*	
05 12 23 00-0659	LF	2-1/2" Carbon Steel Rounds, ASTM A108	103.05	
		For 304 Stainless Steel, Add	*208.08*	
		For 316 Stainless Steel, Add	*233.63*	
		For Aluminum, Add	*13.14*	
		For Galvanized Steel, Add	*45.27*	
05 12 23 00-0660	LF	2-5/8" Carbon Steel Rounds, ASTM A108	126.12	
		For 304 Stainless Steel, Add	*264.31*	
		For 316 Stainless Steel, Add	*296.77*	
		For Aluminum, Add	*16.69*	
		For Galvanized Steel, Add	*57.50*	
05 12 23 00-0661	LF	2-3/4" Carbon Steel Rounds, ASTM A108	143.59	
		For 304 Stainless Steel, Add	*301.42*	
		For 316 Stainless Steel, Add	*338.43*	
		For Aluminum, Add	*19.04*	
		For Galvanized Steel, Add	*65.57*	
05 12 23 00-0662	LF	2-7/8 Carbon Steel Rounds, ASTM A108	160.14	
		For 304 Stainless Steel, Add	*335.90*	
		For 316 Stainless Steel, Add	*377.15*	
		For Aluminum, Add	*21.21*	
		For Galvanized Steel, Add	*73.07*	
05 12 23 00-0663	LF	3" Carbon Steel Rounds, ASTM A108	168.13	
		For 304 Stainless Steel, Add	*345.99*	
		For 316 Stainless Steel, Add	*388.48*	
		For Aluminum, Add	*21.85*	
		For Galvanized Steel, Add	*75.27*	
05 12 23 00-0664	LF	3-1/8" Carbon Steel Rounds, ASTM A108	175.28	
		For 304 Stainless Steel, Add	*353.66*	
		For 316 Stainless Steel, Add	*397.09*	
		For Aluminum, Add	*22.34*	
		For Galvanized Steel, Add	*76.94*	
05 12 23 00-0665	LF	3-1/4" Carbon Steel Rounds, ASTM A108	184.78	
		For 304 Stainless Steel, Add	*368.08*	
		For 316 Stainless Steel, Add	*413.28*	
		For Aluminum, Add	*23.25*	
		For Galvanized Steel, Add	*80.07*	
05 12 23 00-0666	LF	3-1/2" Carbon Steel Rounds, ASTM A108	225.07	
		For 304 Stainless Steel, Add	*467.03*	
		For 316 Stainless Steel, Add	*524.38*	
		For Aluminum, Add	*29.50*	
		For Galvanized Steel, Add	*101.60*	
05 12 23 00-0667	LF	3-5/8" Carbon Steel Rounds, ASTM A108	250.08	
		For 304 Stainless Steel, Add	*522.46*	
		For 316 Stainless Steel, Add	*586.62*	
		For Aluminum, Add	*33.00*	
		For Galvanized Steel, Add	*113.66*	
05 12 23 00-0668	LF	3-3/4" Carbon Steel Rounds, ASTM A108	268.43	
		For 304 Stainless Steel, Add	*558.89*	
		For 316 Stainless Steel, Add	*627.52*	
		For Aluminum, Add	*35.30*	
		For Galvanized Steel, Add	*121.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0669	LF	4" Carbon Steel Rounds, ASTM A108	301.15	
		For 304 Stainless Steel, Add	*636.29*	
		For 316 Stainless Steel, Add	*714.43*	
		For Aluminum, Add	*40.19*	
		For Galvanized Steel, Add	*138.42*	

05 12 23 00-0670 Square Stock *(05 12 23 00-0422)*

05 12 23 00-0671	LF	3/8" Square Bar Stock	1.96	
		For 304 Stainless Steel, Add	*1.88*	
		For 316 Stainless Steel, Add	*2.11*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.41*	
05 12 23 00-0672	LF	1/2" Square Bar Stock	2.60	
		For 304 Stainless Steel, Add	*3.33*	
		For 316 Stainless Steel, Add	*3.74*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.73*	
05 12 23 00-0673	LF	5/8" Square Bar Stock	3.42	
		For 304 Stainless Steel, Add	*5.22*	
		For 316 Stainless Steel, Add	*5.86*	
		For Aluminum, Add	*0.33*	
		For Galvanized Steel, Add	*1.13*	
05 12 23 00-0674	LF	3/4" Square Bar Stock	4.54	
		For 304 Stainless Steel, Add	*7.50*	
		For 316 Stainless Steel, Add	*8.42*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.63*	
05 12 23 00-0675	LF	7/8" Square Bar Stock	5.88	
		For 304 Stainless Steel, Add	*10.46*	
		For 316 Stainless Steel, Add	*11.74*	
		For Aluminum, Add	*0.66*	
		For Galvanized Steel, Add	*2.28*	
05 12 23 00-0676	LF	1" Square Bar Stock	7.29	
		For 304 Stainless Steel, Add	*13.37*	
		For 316 Stainless Steel, Add	*15.01*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.91*	
05 12 23 00-0677	LF	1-1/4" Square Bar Stock	11.41	
		For 304 Stainless Steel, Add	*20.86*	
		For 316 Stainless Steel, Add	*23.42*	
		For Aluminum, Add	*1.32*	
		For Galvanized Steel, Add	*4.54*	
05 12 23 00-0678	LF	1-1/2" Square Bar Stock	16.28	
		For 304 Stainless Steel, Add	*30.07*	
		For 316 Stainless Steel, Add	*33.76*	
		For Aluminum, Add	*1.90*	
		For Galvanized Steel, Add	*6.54*	
05 12 23 00-0679	LF	1-3/4" Square Bar Stock	24.21	
		For 304 Stainless Steel, Add	*41.78*	
		For 316 Stainless Steel, Add	*46.91*	
		For Aluminum, Add	*2.64*	
		For Galvanized Steel, Add	*9.09*	
05 12 23 00-0680	LF	2" Square Bar Stock	34.79	
		For 304 Stainless Steel, Add	*53.47*	
		For 316 Stainless Steel, Add	*60.03*	
		For Aluminum, Add	*3.38*	
		For Galvanized Steel, Add	*11.63*	

05 12 23 00-0681 Steel Tubing *(05 12 23 00-0422)*

Note: General purpose low-carbon steel.

05 12 23 00-0682 Square Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0683 0.06" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0684	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	2.55	0.61
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000, Deduct	*-0.34*	
		For 304 Stainless Steel, Add	*4.90*	
		For 316 Stainless Steel, Add	*5.50*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.07*	
05 12 23 00-0685	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	3.92	0.97
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000, Deduct	*-0.52*	
		For 304 Stainless Steel, Add	*7.50*	
		For 316 Stainless Steel, Add	*8.42*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0686	LF	1" x 1" x 0.06" Square Steel Tubing	5.27	1.76
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000, Deduct	*-0.70*	
		For 304 Stainless Steel, Add	*10.00*	
		For 316 Stainless Steel, Add	*11.23*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.18*	
05 12 23 00-0687	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	6.96	1.67
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000, Deduct	*-0.92*	
		For 304 Stainless Steel, Add	*13.48*	
		For 316 Stainless Steel, Add	*15.14*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.93*	
05 12 23 00-0688	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	8.25	2.02
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.10*	
		For 304 Stainless Steel, Add	*15.82*	
		For 316 Stainless Steel, Add	*17.76*	
		For Aluminum, Add	*1.00*	
		For Galvanized Steel, Add	*3.44*	

05 12 23 00-0689 0.083" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0690	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	4.56	1.14
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For 304 Stainless Steel, Add	*8.69*	
		For 316 Stainless Steel, Add	*9.76*	
		For Aluminum, Add	*0.55*	
		For Galvanized Steel, Add	*1.89*	
05 12 23 00-0691	LF	1" x 1" x 0.083" Square Steel Tubing	6.63	1.56
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.87*	
		For 304 Stainless Steel, Add	*13.00*	
		For 316 Stainless Steel, Add	*14.59*	
		For Aluminum, Add	*0.82*	
		For Galvanized Steel, Add	*2.83*	
05 12 23 00-0692	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	8.02	1.98
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.07*	
		For 304 Stainless Steel, Add	*15.33*	
		For 316 Stainless Steel, Add	*17.22*	
		For Aluminum, Add	*0.97*	
		For Galvanized Steel, Add	*3.34*	
05 12 23 00-0693	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	9.70	2.41
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.29*	
		For 304 Stainless Steel, Add	*18.50*	
		For 316 Stainless Steel, Add	*20.77*	
		For Aluminum, Add	*1.17*	
		For Galvanized Steel, Add	*4.02*	
05 12 23 00-0694	LF	2" x 2" x 0.083" Square Steel Tubing	12.45	3.21
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.67*	
		For 304 Stainless Steel, Add	*23.28*	
		For 316 Stainless Steel, Add	*26.14*	
		For Aluminum, Add	*1.47*	
		For Galvanized Steel, Add	*5.07*	

05 12 23 00-0695 0.12" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0696	LF	1" x 1" x 0.12" Square Steel Tubing	7.33	1.85
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.98*	
		For 304 Stainless Steel, Add	*13.85*	
		For 316 Stainless Steel, Add	*15.55*	
		For Aluminum, Add	*0.87*	
		For Galvanized Steel, Add	*3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0697	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	9.44	2.38
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.26*	
		For 304 Stainless Steel, Add	*17.87*	
		For 316 Stainless Steel, Add	*20.06*	
		For Aluminum, Add	*1.13*	
		For Galvanized Steel, Add	*3.89*	
05 12 23 00-0698	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	11.59	2.90
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000, Deduct	*-1.55*	
		For 304 Stainless Steel, Add	*21.97*	
		For 316 Stainless Steel, Add	*24.67*	
		For Aluminum, Add	*1.39*	
		For Galvanized Steel, Add	*4.78*	
05 12 23 00-0699	LF	2" x 2" x 0.12" Square Steel Tubing	15.69	3.96
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.10*	
		For 304 Stainless Steel, Add	*29.67*	
		For 316 Stainless Steel, Add	*33.31*	
		For Aluminum, Add	*1.87*	
		For Galvanized Steel, Add	*6.45*	

05 12 23 00-0700 1/8" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0701	LF	2" x 2" x 1/8" Square Steel Tubing	14.15	4.11
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000, Deduct	*-1.96*	
		For 304 Stainless Steel, Add	*24.71*	
		For 316 Stainless Steel, Add	*27.74*	
		For Aluminum, Add	*1.56*	
		For Galvanized Steel, Add	*5.38*	
05 12 23 00-0702	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	18.65	5.21
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000, Deduct	*-2.56*	
		For 304 Stainless Steel, Add	*33.37*	
		For 316 Stainless Steel, Add	*37.47*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.26*	
05 12 23 00-0703	LF	3" x 3" x 1/8" Square Steel Tubing	21.88	6.30
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*38.39*	
		For 316 Stainless Steel, Add	*43.10*	
		For Aluminum, Add	*2.42*	
		For Galvanized Steel, Add	*8.35*	
05 12 23 00-0704	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	25.36	7.40
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.64*	
		For >1,000, Deduct	*-3.52*	
		For 304 Stainless Steel, Add	*44.15*	
		For 316 Stainless Steel, Add	*49.57*	
		For Aluminum, Add	*2.79*	
		For Galvanized Steel, Add	*9.60*	
05 12 23 00-0705	LF	4" x 4" x 1/8" Square Steel Tubing	27.96	8.50
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000, Deduct	*-3.93*	
		For 304 Stainless Steel, Add	*47.40*	
		For 316 Stainless Steel, Add	*53.22*	
		For Aluminum, Add	*2.99*	
		For Galvanized Steel, Add	*10.31*	

05 12 23 00-0706 3/16" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0707	LF	2" x 2" x 3/16" Square Steel Tubing	16.05	4.64
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000, Deduct	*-2.22*	
		For 304 Stainless Steel, Add	*28.13*	
		For 316 Stainless Steel, Add	*31.58*	
		For Aluminum, Add	*1.78*	
		For Galvanized Steel, Add	*6.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0708	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	20.78	6.00
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-2.88*	
		For 304 Stainless Steel, Add	*36.39*	
		For 316 Stainless Steel, Add	*40.86*	
		For Aluminum, Add	*2.30*	
		For Galvanized Steel, Add	*7.92*	
05 12 23 00-0709	LF	3" x 3" x 3/16" Square Steel Tubing	25.53	7.38
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.65*	
		For >1,000, Deduct	*-3.54*	
		For 304 Stainless Steel, Add	*44.72*	
		For 316 Stainless Steel, Add	*50.21*	
		For Aluminum, Add	*2.82*	
		For Galvanized Steel, Add	*9.73*	
05 12 23 00-0710	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	30.29	8.75
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.20*	
		For 304 Stainless Steel, Add	*53.07*	
		For 316 Stainless Steel, Add	*59.58*	
		For Aluminum, Add	*3.35*	
		For Galvanized Steel, Add	*11.54*	
05 12 23 00-0711	LF	4" x 4" x 3/16" Square Steel Tubing	35.00	10.11
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.42*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000, Deduct	*-4.85*	
		For 304 Stainless Steel, Add	*61.33*	
		For 316 Stainless Steel, Add	*68.86*	
		For Aluminum, Add	*3.87*	
		For Galvanized Steel, Add	*13.34*	
05 12 23 00-0712	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	39.76	11.49
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.75*	
		For >500 To 1,000, Deduct	*-4.13*	
		For >1,000, Deduct	*-5.51*	
		For 304 Stainless Steel, Add	*69.65*	
		For 316 Stainless Steel, Add	*78.21*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.15*	
05 12 23 00-0713	LF	5" x 5" x 3/16" Square Steel Tubing	44.49	12.85
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.08*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000, Deduct	*-6.16*	
		For 304 Stainless Steel, Add	*77.95*	
		For 316 Stainless Steel, Add	*87.52*	
		For Aluminum, Add	*4.92*	
		For Galvanized Steel, Add	*16.96*	
05 12 23 00-0714	LF	6" x 6" x 3/16" Square Steel Tubing	54.00	15.60
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-3.74*	
		For >500 To 1,000, Deduct	*-5.61*	
		For >1,000, Deduct	*-7.48*	
		For 304 Stainless Steel, Add	*94.59*	
		For 316 Stainless Steel, Add	*106.21*	
		For Aluminum, Add	*5.97*	
		For Galvanized Steel, Add	*20.58*	

05 12 23 00-0715 1/4" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0716	LF	2" x 2" x 1/4" Square Steel Tubing	17.10	4.64
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.33*	
		For 304 Stainless Steel, Add	*31.09*	
		For 316 Stainless Steel, Add	*34.91*	
		For Aluminum, Add	*1.96*	
		For Galvanized Steel, Add	*6.76*	
05 12 23 00-0717	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	22.49	6.10
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000, Deduct	*-3.06*	
		For 304 Stainless Steel, Add	*40.87*	
		For 316 Stainless Steel, Add	*45.89*	
		For Aluminum, Add	*2.58*	
		For Galvanized Steel, Add	*8.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0718	LF	3" x 3" x 1/4" Square Steel Tubing	27.85	7.56
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.90*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-3.79*	
		For 304 Stainless Steel, Add	*50.62*	
		For 316 Stainless Steel, Add	*56.83*	
		For Aluminum, Add	*3.20*	
		For Galvanized Steel, Add	*11.01*	
05 12 23 00-0719	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	33.22	9.02
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*60.39*	
		For 316 Stainless Steel, Add	*67.81*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.14*	
05 12 23 00-0720	LF	4" x 4" x 1/4" Square Steel Tubing	38.61	10.49
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-5.26*	
		For 304 Stainless Steel, Add	*70.17*	
		For 316 Stainless Steel, Add	*78.78*	
		For Aluminum, Add	*4.43*	
		For Galvanized Steel, Add	*15.26*	
05 12 23 00-0721	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	43.98	11.95
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-5.99*	
		For 304 Stainless Steel, Add	*79.94*	
		For 316 Stainless Steel, Add	*89.76*	
		For Aluminum, Add	*5.05*	
		For Galvanized Steel, Add	*17.39*	
05 12 23 00-0722	LF	5" x 5" x 1/4" Square Steel Tubing	49.38	13.41
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.36*	
		For >500 To 1,000, Deduct	*-5.05*	
		For >1,000, Deduct	*-6.73*	
		For 304 Stainless Steel, Add	*89.75*	
		For 316 Stainless Steel, Add	*100.77*	
		For Aluminum, Add	*5.67*	
		For Galvanized Steel, Add	*19.52*	
05 12 23 00-0723	LF	6" x 6" x 1/4" Square Steel Tubing	60.13	16.33
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-4.10*	
		For >500 To 1,000, Deduct	*-6.14*	
		For >1,000, Deduct	*-8.19*	
		For 304 Stainless Steel, Add	*109.30*	
		For 316 Stainless Steel, Add	*122.72*	
		For Aluminum, Add	*6.90*	
		For Galvanized Steel, Add	*23.78*	

05 12 23 00-0724 Rectangular Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0725 3/16" Wall Thickness *(05 12 23 00-0724)*

05 12 23 00-0726	LF	3" x 2" x 3/16" Square Steel Tubing	20.78	6.00
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-2.88*	
		For 304 Stainless Steel, Add	*36.39*	
		For 316 Stainless Steel, Add	*40.86*	
		For Aluminum, Add	*2.30*	
		For Galvanized Steel, Add	*7.92*	
05 12 23 00-0727	LF	4" x 2" x 3/16" Square Steel Tubing	25.53	7.38
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.65*	
		For >1,000, Deduct	*-3.54*	
		For 304 Stainless Steel, Add	*44.72*	
		For 316 Stainless Steel, Add	*50.21*	
		For Aluminum, Add	*2.82*	
		For Galvanized Steel, Add	*9.73*	
05 12 23 00-0728	LF	4" x 3" x 3/16" Square Steel Tubing	30.29	8.75
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.20*	
		For 304 Stainless Steel, Add	*53.07*	
		For 316 Stainless Steel, Add	*59.58*	
		For Aluminum, Add	*3.35*	
		For Galvanized Steel, Add	*11.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0729	LF	5" x 2" x 3/16" Square Steel Tubing	30.29	8.75
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.20*	
		For 304 Stainless Steel, Add	*53.07*	
		For 316 Stainless Steel, Add	*59.58*	
		For Aluminum, Add	*3.35*	
		For Galvanized Steel, Add	*11.54*	
05 12 23 00-0730	LF	5" x 3" x 3/16" Square Steel Tubing	35.00	10.11
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.42*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000, Deduct	*-4.85*	
		For 304 Stainless Steel, Add	*61.33*	
		For 316 Stainless Steel, Add	*68.86*	
		For Aluminum, Add	*3.87*	
		For Galvanized Steel, Add	*13.34*	
05 12 23 00-0731	LF	5" x 4" x 3/16" Square Steel Tubing	39.76	11.49
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.75*	
		For >500 To 1,000, Deduct	*-4.13*	
		For >1,000, Deduct	*-5.51*	
		For 304 Stainless Steel, Add	*69.65*	
		For 316 Stainless Steel, Add	*78.21*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.15*	
05 12 23 00-0732	LF	6" x 2" x 3/16" Square Steel Tubing	35.00	10.11
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.42*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000, Deduct	*-4.85*	
		For 304 Stainless Steel, Add	*61.33*	
		For 316 Stainless Steel, Add	*68.86*	
		For Aluminum, Add	*3.87*	
		For Galvanized Steel, Add	*13.34*	
05 12 23 00-0733	LF	6" x 3" x 3/16" Square Steel Tubing	39.76	11.49
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.75*	
		For >500 To 1,000, Deduct	*-4.13*	
		For >1,000, Deduct	*-5.51*	
		For 304 Stainless Steel, Add	*69.65*	
		For 316 Stainless Steel, Add	*78.21*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.15*	
05 12 23 00-0734	LF	6" x 4" x 3/16" Square Steel Tubing	44.49	12.85
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.08*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000, Deduct	*-6.16*	
		For 304 Stainless Steel, Add	*77.95*	
		For 316 Stainless Steel, Add	*87.52*	
		For Aluminum, Add	*4.92*	
		For Galvanized Steel, Add	*16.96*	

05 12 23 00-0735 1/4" Wall Thickness *(05 12 23 00-0724)*

05 12 23 00-0736	LF	3" x 2" x 1/4" Square Steel Tubing	22.49	6.10
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000, Deduct	*-3.06*	
		For 304 Stainless Steel, Add	*40.87*	
		For 316 Stainless Steel, Add	*45.89*	
		For Aluminum, Add	*2.58*	
		For Galvanized Steel, Add	*8.89*	
05 12 23 00-0737	LF	4" x 2" x 1/4" Square Steel Tubing	27.85	7.56
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.90*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-3.79*	
		For 304 Stainless Steel, Add	*50.62*	
		For 316 Stainless Steel, Add	*56.83*	
		For Aluminum, Add	*3.20*	
		For Galvanized Steel, Add	*11.01*	
05 12 23 00-0738	LF	4" x 3" x 1/4" Square Steel Tubing	33.22	9.02
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*60.39*	
		For 316 Stainless Steel, Add	*67.81*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0739	LF	5" x 2" x 1/4" Square Steel Tubing	33.22	9.02
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*60.39*	
		For 316 Stainless Steel, Add	*67.81*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.14*	
05 12 23 00-0740	LF	5" x 3" x 1/4" Square Steel Tubing	38.61	10.49
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-5.26*	
		For 304 Stainless Steel, Add	*70.17*	
		For 316 Stainless Steel, Add	*78.78*	
		For Aluminum, Add	*4.43*	
		For Galvanized Steel, Add	*15.26*	
05 12 23 00-0741	LF	5" x 4" x 1/4" Square Steel Tubing	43.98	11.95
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-5.99*	
		For 304 Stainless Steel, Add	*79.94*	
		For 316 Stainless Steel, Add	*89.76*	
		For Aluminum, Add	*5.05*	
		For Galvanized Steel, Add	*17.39*	
05 12 23 00-0742	LF	6" x 2" x 1/4" Square Steel Tubing	38.61	10.49
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-5.26*	
		For 304 Stainless Steel, Add	*70.17*	
		For 316 Stainless Steel, Add	*78.78*	
		For Aluminum, Add	*4.43*	
		For Galvanized Steel, Add	*15.26*	
05 12 23 00-0743	LF	6" x 3" x 1/4" Square Steel Tubing	43.98	11.95
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-5.99*	
		For 304 Stainless Steel, Add	*79.94*	
		For 316 Stainless Steel, Add	*89.76*	
		For Aluminum, Add	*5.05*	
		For Galvanized Steel, Add	*17.39*	
05 12 23 00-0744	LF	6" x 4" x 1/4" Square Steel Tubing	49.38	13.41
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.36*	
		For >500 To 1,000, Deduct	*-5.05*	
		For >1,000, Deduct	*-6.73*	
		For 304 Stainless Steel, Add	*89.75*	
		For 316 Stainless Steel, Add	*100.77*	
		For Aluminum, Add	*5.67*	
		For Galvanized Steel, Add	*19.52*	

05 12 23 00-0745 Round Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0746 0.065" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0747	LF	1" Diameter x 0.065" Round Steel Tubing	4.56	1.12
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000, Deduct	*-0.61*	
		For 304 Stainless Steel, Add	*8.75*	
		For 316 Stainless Steel, Add	*9.82*	
		For Aluminum, Add	*0.55*	
		For Galvanized Steel, Add	*1.90*	
05 12 23 00-0748	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	5.77	1.41
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.77*	
		For 304 Stainless Steel, Add	*11.09*	
		For 316 Stainless Steel, Add	*12.45*	
		For Aluminum, Add	*0.70*	
		For Galvanized Steel, Add	*2.41*	
05 12 23 00-0749	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	6.99	1.71
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000, Deduct	*-0.93*	
		For 304 Stainless Steel, Add	*13.40*	
		For 316 Stainless Steel, Add	*15.04*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0750	LF	2" Diameter x 0.065" Round Steel Tubing	9.41	2.31
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000, Deduct	*-1.25*	
		For 304 Stainless Steel, Add	*18.07*	
		For 316 Stainless Steel, Add	*20.29*	
		For Aluminum, Add	*1.14*	
		For Galvanized Steel, Add	*3.93*	
05 12 23 00-0751	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	11.85	2.90
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.57*	
		For 304 Stainless Steel, Add	*22.74*	
		For 316 Stainless Steel, Add	*25.54*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.95*	
05 12 23 00-0752	LF	3" Diameter x 0.065" Round Steel Tubing	14.28	3.50
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000, Deduct	*-1.89*	
		For 304 Stainless Steel, Add	*27.42*	
		For 316 Stainless Steel, Add	*30.78*	
		For Aluminum, Add	*1.73*	
		For Galvanized Steel, Add	*5.96*	
05 12 23 00-0753	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	16.72	4.10
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000, Deduct	*-2.22*	
		For 304 Stainless Steel, Add	*32.09*	
		For 316 Stainless Steel, Add	*36.03*	
		For Aluminum, Add	*2.03*	
		For Galvanized Steel, Add	*6.98*	
05 12 23 00-0754	LF	4" Diameter x 0.065" Round Steel Tubing	19.15	4.69
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.54*	
		For 304 Stainless Steel, Add	*36.77*	
		For 316 Stainless Steel, Add	*41.28*	
		For Aluminum, Add	*2.32*	
		For Galvanized Steel, Add	*8.00*	

05 12 23 00-0755 0.083" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0756	LF	1" Diameter x 0.083" Round Steel Tubing	4.95	1.22
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.49*	
		For >1,000, Deduct	*-0.66*	
		For 304 Stainless Steel, Add	*9.46*	
		For 316 Stainless Steel, Add	*10.62*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.06*	
05 12 23 00-0757	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	6.29	1.55
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.84*	
		For 304 Stainless Steel, Add	*12.03*	
		For 316 Stainless Steel, Add	*13.50*	
		For Aluminum, Add	*0.76*	
		For Galvanized Steel, Add	*2.62*	
05 12 23 00-0758	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	7.64	1.88
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.02*	
		For 304 Stainless Steel, Add	*14.59*	
		For 316 Stainless Steel, Add	*16.38*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.17*	
05 12 23 00-0759	LF	2" Diameter x 0.083" Round Steel Tubing	10.33	2.56
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.37*	
		For 304 Stainless Steel, Add	*19.75*	
		For 316 Stainless Steel, Add	*22.18*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0760	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	13.04	3.22
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000, Deduct	*-1.73*	
		For 304 Stainless Steel, Add	*24.91*	
		For 316 Stainless Steel, Add	*27.97*	
		For Aluminum, Add	*1.57*	
		For Galvanized Steel, Add	*5.42*	
05 12 23 00-0761	LF	3" Diameter x 0.083" Round Steel Tubing	15.74	3.89
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.09*	
		For 304 Stainless Steel, Add	*30.07*	
		For 316 Stainless Steel, Add	*33.76*	
		For Aluminum, Add	*1.90*	
		For Galvanized Steel, Add	*6.54*	
05 12 23 00-0762	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	18.43	4.55
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-1.84*	
		For >1,000, Deduct	*-2.45*	
		For 304 Stainless Steel, Add	*35.23*	
		For 316 Stainless Steel, Add	*39.55*	
		For Aluminum, Add	*2.22*	
		For Galvanized Steel, Add	*7.66*	
05 12 23 00-0763	LF	4" Diameter x 0.083" Round Steel Tubing	21.12	5.22
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000, Deduct	*-2.81*	
		For 304 Stainless Steel, Add	*40.36*	
		For 316 Stainless Steel, Add	*45.31*	
		For Aluminum, Add	*2.55*	
		For Galvanized Steel, Add	*8.78*	

05 12 23 00-0764 0.125" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0765	LF	2" Diameter x 0.125" Round Steel Tubing	11.10	3.22
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000, Deduct	*-1.54*	
		For 304 Stainless Steel, Add	*19.38*	
		For 316 Stainless Steel, Add	*21.76*	
		For Aluminum, Add	*1.22*	
		For Galvanized Steel, Add	*4.22*	
05 12 23 00-0766	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	14.07	4.09
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-1.95*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.34*	
05 12 23 00-0767	LF	3" Diameter x 0.125" Round Steel Tubing	17.03	4.94
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.36*	
		For 304 Stainless Steel, Add	*29.73*	
		For 316 Stainless Steel, Add	*33.38*	
		For Aluminum, Add	*1.88*	
		For Galvanized Steel, Add	*6.47*	
05 12 23 00-0768	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	19.99	5.81
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000, Deduct	*-2.77*	
		For 304 Stainless Steel, Add	*34.91*	
		For 316 Stainless Steel, Add	*39.20*	
		For Aluminum, Add	*2.21*	
		For Galvanized Steel, Add	*7.60*	
05 12 23 00-0769	LF	4" Diameter x 0.125" Round Steel Tubing	22.95	6.67
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.18*	
		For 304 Stainless Steel, Add	*40.07*	
		For 316 Stainless Steel, Add	*44.99*	
		For Aluminum, Add	*2.53*	
		For Galvanized Steel, Add	*8.72*	

05 12 23 00-0770 Flat Steel Bar *(05 12 23 00-0422)*

05 12 23 00-0771 1/8" Thick *(05 12 23 00-0770)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0772	LF	1/8" Thick x 1" Wide Flat Steel Bar	3.43	1.60
		For 304 Stainless Steel, Add	*2.91*	
		For 316 Stainless Steel, Add	*3.26*	
		For Aluminum, Add	*0.18*	
		For Galvanized Steel, Add	*0.63*	
05 12 23 00-0773	LF	1/8" Thick x 2" Wide Flat Steel Bar	5.31	2.41
		For 304 Stainless Steel, Add	*4.85*	
		For 316 Stainless Steel, Add	*5.44*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.05*	
05 12 23 00-0774	LF	1/8" Thick x 4" Wide Flat Steel Bar	8.18	3.39
		For 304 Stainless Steel, Add	*8.81*	
		For 316 Stainless Steel, Add	*9.89*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
05 12 23 00-0775	LF	1/8" Thick x 6" Wide Flat Steel Bar	11.08	4.60
		For 304 Stainless Steel, Add	*11.88*	
		For 316 Stainless Steel, Add	*13.34*	
		For Aluminum, Add	*0.75*	
		For Galvanized Steel, Add	*2.59*	
05 12 23 00-0776		**3/16" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0777	LF	3/16" Thick x 1" Wide Flat Steel Bar	4.54	1.99
		For 304 Stainless Steel, Add	*4.42*	
		For 316 Stainless Steel, Add	*4.96*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.96*	
05 12 23 00-0778	LF	3/16" Thick x 2" Wide Flat Steel Bar	7.17	2.99
		For 304 Stainless Steel, Add	*7.64*	
		For 316 Stainless Steel, Add	*8.58*	
		For Aluminum, Add	*0.48*	
		For Galvanized Steel, Add	*1.66*	
05 12 23 00-0779	LF	3/16" Thick x 4" Wide Flat Steel Bar	9.68	3.43
		For 304 Stainless Steel, Add	*12.88*	
		For 316 Stainless Steel, Add	*14.46*	
		For Aluminum, Add	*0.81*	
		For Galvanized Steel, Add	*2.80*	
05 12 23 00-0780	LF	3/16" Thick x 6" Wide Flat Steel Bar	13.40	4.76
		For 304 Stainless Steel, Add	*17.81*	
		For 316 Stainless Steel, Add	*20.00*	
		For Aluminum, Add	*1.13*	
		For Galvanized Steel, Add	*3.88*	
05 12 23 00-0781		**1/4" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0782	LF	1/4" Thick x 1" Wide Flat Steel Bar	4.69	2.10
		For 304 Stainless Steel, Add	*4.36*	
		For 316 Stainless Steel, Add	*4.90*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.95*	
05 12 23 00-0783	LF	1/4" Thick x 2" Wide Flat Steel Bar	7.84	3.16
		For 304 Stainless Steel, Add	*8.84*	
		For 316 Stainless Steel, Add	*9.92*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
05 12 23 00-0784	LF	1/4" Thick x 4" Wide Flat Steel Bar	11.43	3.61
		For 304 Stainless Steel, Add	*17.13*	
		For 316 Stainless Steel, Add	*19.23*	
		For Aluminum, Add	*1.08*	
		For Galvanized Steel, Add	*3.73*	
05 12 23 00-0785	LF	1/4" Thick x 6" Wide Flat Steel Bar	16.53	5.34
		For 304 Stainless Steel, Add	*24.25*	
		For 316 Stainless Steel, Add	*27.23*	
		For Aluminum, Add	*1.53*	
		For Galvanized Steel, Add	*5.28*	
05 12 23 00-0786		**3/8" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0787	LF	3/8" Thick x 1" Wide Flat Steel Bar	5.97	2.37
		For 304 Stainless Steel, Add	*6.87*	
		For 316 Stainless Steel, Add	*7.71*	
		For Aluminum, Add	*0.43*	
		For Galvanized Steel, Add	*1.49*	
05 12 23 00-0788	LF	3/8" Thick x 2" Wide Flat Steel Bar	9.78	3.55
		For 304 Stainless Steel, Add	*12.65*	
		For 316 Stainless Steel, Add	*14.21*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.75*	
05 12 23 00-0789	LF	3/8" Thick x 4" Wide Flat Steel Bar	14.98	4.06
		For 304 Stainless Steel, Add	*25.34*	
		For 316 Stainless Steel, Add	*28.45*	
		For Aluminum, Add	*1.60*	
		For Galvanized Steel, Add	*5.51*	
05 12 23 00-0790	LF	3/8" Thick x 6" Wide Flat Steel Bar	21.52	6.00
		For 304 Stainless Steel, Add	*35.63*	
		For 316 Stainless Steel, Add	*40.00*	
		For Aluminum, Add	*2.25*	
		For Galvanized Steel, Add	*7.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0791		**1/2" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0792	LF	1/2" Thick x 1" Wide Flat Steel Bar	7.01	2.60
		For 304 Stainless Steel, Add	*8.81*	
		For 316 Stainless Steel, Add	*9.89*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
05 12 23 00-0793	LF	1/2" Thick x 2" Wide Flat Steel Bar	11.54	3.92
		For 304 Stainless Steel, Add	*16.16*	
		For 316 Stainless Steel, Add	*18.14*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.52*	
05 12 23 00-0794	LF	1/2" Thick x 4" Wide Flat Steel Bar	16.36	4.45
		For 304 Stainless Steel, Add	*27.53*	
		For 316 Stainless Steel, Add	*30.91*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*5.99*	
05 12 23 00-0795	LF	1/2" Thick x 6" Wide Flat Steel Bar	29.19	6.61
		For 304 Stainless Steel, Add	*54.92*	
		For 316 Stainless Steel, Add	*61.66*	
		For Aluminum, Add	*3.47*	
		For Galvanized Steel, Add	*11.95*	
05 12 23 00-0796		**Flat Steel Plate** *(05 12 23 00-0422)*		
05 12 23 00-0797	SF	1/8" Thick Flat Steel Plate	17.63	6.91
		For 304 Stainless Steel, Add	*20.72*	
		For 316 Stainless Steel, Add	*23.26*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.51*	
05 12 23 00-0798	SF	3/16" Thick Flat Steel Plate	19.84	7.15
		For 304 Stainless Steel, Add	*25.94*	
		For 316 Stainless Steel, Add	*29.12*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.64*	
05 12 23 00-0799	SF	1/4" Thick Flat Steel Plate	23.62	8.01
		For 304 Stainless Steel, Add	*33.06*	
		For 316 Stainless Steel, Add	*37.12*	
		For Aluminum, Add	*2.09*	
		For Galvanized Steel, Add	*7.19*	
05 12 23 00-0800	SF	3/8" Thick Flat Steel Plate	31.73	9.01
		For 304 Stainless Steel, Add	*51.90*	
		For 316 Stainless Steel, Add	*58.27*	
		For Aluminum, Add	*3.28*	
		For Galvanized Steel, Add	*11.29*	
05 12 23 00-0801	SF	1/2" Thick Flat Steel Plate	37.55	9.91
		For 304 Stainless Steel, Add	*64.64*	
		For 316 Stainless Steel, Add	*72.58*	
		For Aluminum, Add	*4.08*	
		For Galvanized Steel, Add	*14.06*	
05 12 23 00-0802	SF	3/4" Thick Flat Steel Plate	61.14	12.28
		For 304 Stainless Steel, Add	*121.24*	
		For 316 Stainless Steel, Add	*136.13*	
		For Aluminum, Add	*7.66*	
		For Galvanized Steel, Add	*26.37*	
05 12 23 00-0803	SF	1" Thick Flat Steel Plate	81.48	15.35
		For 304 Stainless Steel, Add	*165.98*	
		For 316 Stainless Steel, Add	*186.37*	
		For Aluminum, Add	*10.48*	
		For Galvanized Steel, Add	*36.11*	

05 14 Structural Aluminum Framing *(05 10)*

05 14 13 Architecturally-Exposed Structural Aluminum Framing *(05 14)*

05 14 13 00-0001 Rolled Or Plate Shapes *(05 14 13)*

Note: 1" through 10" member.

05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 Lb. / Order 1" To 10" Rolled / Plate Structural Members	9.32	0.93
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 Lb. / Order 1" To 10" Rolled / Plate Structural Members	8.22	0.86

05 14 13 00-0004 Aluminum Extrusions *(05 14 13)*

05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	15.32	3.85
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	16.21	3.85

05 14 13 00-0007 Aluminum Tubing *(05 14 13)*

05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	13.67	2.36
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	12.37	3.82
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	14.93	4.17
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	17.15	4.85
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	20.36	5.22
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	58.92	6.61
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	48.28	5.91

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0015		**Columns** *(05 14 13)* Note: Baked on paint finish, load bearing.		
05 14 13 00-0016		**Round Columns** *(05 14 13 00-0015)*		
05 14 13 00-0017	LF	6" Diameter Aluminum Column	54.33	7.46
05 14 13 00-0018	LF	8" Diameter Aluminum Column	72.25	10.68
05 14 13 00-0019	LF	10" Diameter Aluminum Column	88.23	12.02
05 14 13 00-0020	LF	12" Diameter Aluminum Column	132.83	12.57
05 14 13 00-0021	LF	15" Diameter Aluminum Column	169.63	14.58
05 14 13 00-0022	EA	6" Diameter Aluminum Base And Cap	105.61	13.91
05 14 13 00-0023	EA	8" Diameter Aluminum Base And Cap	120.95	15.02
05 14 13 00-0024	EA	10" Diameter Aluminum Base And Cap	152.87	16.69
05 14 13 00-0025	EA	12" Diameter Aluminum Base And Cap	265.21	17.81
05 14 13 00-0026	EA	15" Diameter Aluminum Base And Cap	406.80	19.47
05 14 13 00-0027		**Octagonal Columns** *(05 14 13 00-0015)*		
05 14 13 00-0028	LF	6" Diameter Aluminum Column	60.61	7.46
05 14 13 00-0029	LF	8" Diameter Aluminum Column	82.42	10.68
05 14 13 00-0030	LF	10" Diameter Aluminum Column	101.07	12.02
05 14 13 00-0031	LF	12" Diameter Aluminum Column	154.38	12.57
05 14 13 00-0032	LF	15" Diameter Aluminum Column	197.74	14.58
05 14 13 00-0033	EA	6" Diameter Aluminum Base And Cap	121.16	13.91
05 14 13 00-0034	EA	8" Diameter Aluminum Base And Cap	139.13	15.02
05 14 13 00-0035	EA	10" Diameter Aluminum Base And Cap	176.77	16.69
05 14 13 00-0036	EA	12" Diameter Aluminum Base And Cap	311.13	17.81
05 14 13 00-0037	EA	15" Diameter Aluminum Base And Cap	480.37	19.47
05 14 13 00-0038		**Fluted Columns** *(05 14 13 00-0015)*		
05 14 13 00-0039	LF	6" Diameter Aluminum Column	67.48	7.46
05 14 13 00-0040	LF	8" Diameter Aluminum Column	91.57	10.68
05 14 13 00-0041	LF	10" Diameter Aluminum Column	112.62	12.02
05 14 13 00-0042	LF	12" Diameter Aluminum Column	173.78	12.57
05 14 13 00-0043	LF	15" Diameter Aluminum Column	223.05	14.58
05 14 13 00-0044	EA	6" Diameter Aluminum Base And Cap	135.17	13.91
05 14 13 00-0045	EA	8" Diameter Aluminum Base And Cap	155.49	15.02
05 14 13 00-0046	EA	10" Diameter Aluminum Base And Cap	198.28	16.69
05 14 13 00-0047	EA	12" Diameter Aluminum Base And Cap	352.46	17.81
05 14 13 00-0048	EA	15" Diameter Aluminum Base And Cap	546.58	19.47
05 14 13 00-0049		**Square Columns** *(05 14 13 00-0015)*		
05 14 13 00-0050	LF	6" Aluminum Column	72.18	7.46
05 14 13 00-0051	LF	8" Aluminum Column	97.83	10.68
05 14 13 00-0052	LF	10" Aluminum Column	120.53	12.02
05 14 13 00-0053	LF	12" Aluminum Column	187.05	12.57
05 14 13 00-0054	LF	15" Aluminum Column	240.35	14.58
05 14 13 00-0055	EA	6" Aluminum Base And Cap	144.74	13.91
05 14 13 00-0056	EA	8" Aluminum Base And Cap	166.68	15.02
05 14 13 00-0057	EA	10" Aluminum Base And Cap	212.99	16.69
05 14 13 00-0058	EA	12" Aluminum Base And Cap	380.73	17.81
05 14 13 00-0059	EA	15" Aluminum Base And Cap	591.86	19.47
05 14 13 00-0060		**Ornamental Or Decorative Cap And Bases** *(05 14 13 00-0015)*		
05 14 13 00-0061	EA	8" Corinthian Capital And Base	825.31	16.69
05 14 13 00-0062	EA	10" Corinthian Capital And Base	1,214.99	19.47
05 14 13 00-0063	EA	12" Corinthian Capital And Base	1,922.80	22.25
05 14 13 00-0064	EA	8" Scamozzi Capital And Base	409.04	16.69
05 14 13 00-0065	EA	10" Scamozzi Capital And Base	548.29	19.47
05 14 13 00-0066	EA	12" Scamozzi Capital And Base	1,104.47	22.25

05 15 Wire Rope Assemblies *(05 10)*

05 15 16 Steel Wire Rope Assemblies *(05 15)*

05 15 16 00-0001		6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.52	0.11
		For >500, Deduct	*-0.27*	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.05	0.11
		For >500, Deduct	*-0.35*	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.44	0.23
		For >500, Deduct	*-0.40*	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.96	0.23
		For >500, Deduct	*-0.47*	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.44	0.34
		For >500, Deduct	*-0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.22	0.45
		For >500, Deduct	*-0.64*	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.03	0.45
		For >500, Deduct	*-0.76*	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	6.99	0.81
		For >500, Deduct	*-1.04*	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.41	0.92
		For >500, Deduct	*-1.39*	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.73	1.26
		For >500, Deduct	*-1.70*	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	14.51	1.60
		For >500, Deduct	*-2.10*	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	17.69	1.94
		For >500, Deduct	*-2.56*	

05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.78	0.11
		For >500, Deduct	*-0.32*	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.32	0.11
		For >500, Deduct	*-0.40*	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.88	0.23
		For >500, Deduct	*-0.49*	
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.29	0.23
		For >500, Deduct	*-0.54*	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.93	0.34
		For >500, Deduct	*-0.63*	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.53	0.45
		For >500, Deduct	*-0.70*	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.30	0.45
		For >500, Deduct	*-0.81*	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.78	0.81
		For >500, Deduct	*-1.19*	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.98	0.92
		For >500, Deduct	*-1.51*	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.30	1.26
		For >500, Deduct	*-1.82*	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	15.76	1.60
		For >500, Deduct	*-2.33*	
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	19.16	1.94
		For >500, Deduct	*-2.85*	

05 15 16 00-0027 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.41	0.11
		For >500, Deduct	*-0.24*	
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.93	0.11
		For >500, Deduct	*-0.32*	
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.30	0.23
		For >500, Deduct	*-0.37*	
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.72	0.23
		For >500, Deduct	*-0.42*	
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.28	0.34
		For >500, Deduct	*-0.50*	
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	4.15	0.45
		For >500, Deduct	*-0.63*	
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	4.84	0.45
		For >500, Deduct	*-0.72*	
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	6.82	0.81
		For >500, Deduct	*-1.00*	
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	8.38	0.92
		For >500, Deduct	*-1.19*	
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	10.65	1.26
		For >500, Deduct	*-1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 15 16 00-0038 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.40	0.11
		For >500, Deduct	*-0.24*	
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.86	0.11
		For >500, Deduct	*-0.31*	
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.30	0.23
		For >500, Deduct	*-0.37*	
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.72	0.23
		For >500, Deduct	*-0.42*	
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.42	0.34
		For >500, Deduct	*-0.53*	
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.08	0.45
		For >500, Deduct	*-0.61*	
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.10	0.45
		For >500, Deduct	*-0.77*	
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.13	0.81
		For >500, Deduct	*-1.06*	
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.34	0.92
		For >500, Deduct	*-1.38*	
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.53	1.26
		For >500, Deduct	*-1.67*	

05 15 16 00-0049 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.60	0.23
		For >500, Deduct	*-0.43*	
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.07	0.23
		For >500, Deduct	*-0.49*	
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.60	0.34
		For >500, Deduct	*-0.56*	
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.83	0.45
		For >500, Deduct	*-0.76*	
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.33	0.45
		For >500, Deduct	*-0.82*	
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.29	0.81
		For >500, Deduct	*-1.10*	
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	9.37	0.92
		For >500, Deduct	*-1.38*	
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	12.35	1.26
		For >500, Deduct	*-1.82*	
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	14.97	1.60
		For >500, Deduct	*-2.19*	
05 15 16 00-0059	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	18.07	1.94
		For >500, Deduct	*-2.63*	

05 15 16 00-0060 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0061	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.67	0.23
		For >500, Deduct	*-0.45*	
05 15 16 00-0062	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.24	0.23
		For >500, Deduct	*-0.53*	
05 15 16 00-0063	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.84	0.34
		For >500, Deduct	*-0.61*	
05 15 16 00-0064	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.35	0.45
		For >500, Deduct	*-0.87*	
05 15 16 00-0065	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.42	0.45
		For >500, Deduct	*-0.84*	
05 15 16 00-0066	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.46	0.81
		For >500, Deduct	*-1.13*	
05 15 16 00-0067	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	9.90	0.92
		For >500, Deduct	*-1.49*	
05 15 16 00-0068	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	12.52	1.26
		For >500, Deduct	*-1.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0069		**19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope** *(05 15 16)*		
05 15 16 00-0070	LF	1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.73	0.11
		For >500, Deduct	*-0.50*	
05 15 16 00-0071	LF	5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.95	0.11
		For >500, Deduct	*-0.53*	
05 15 16 00-0072	LF	3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.49	0.23
		For >500, Deduct	*-0.61*	
05 15 16 00-0073	LF	7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	4.69	0.23
		For >500, Deduct	*-0.82*	
05 15 16 00-0074	LF	1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.34	0.23
		For >500, Deduct	*-0.95*	
05 15 16 00-0075	LF	9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	6.19	0.45
		For >500, Deduct	*-1.04*	
05 15 16 00-0076	LF	5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	7.37	0.45
		For >500, Deduct	*-1.23*	
05 15 16 00-0077	LF	3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	10.16	0.68
		For >500, Deduct	*-1.68*	
05 15 16 00-0078		**7x7, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0079	LF	1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.32	0.08
		For >500, Deduct	*-0.04*	
05 15 16 00-0080	LF	3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.36	0.09
		For >500, Deduct	*-0.04*	
05 15 16 00-0081	LF	1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.41	0.10
		For >500, Deduct	*-0.05*	
05 15 16 00-0082	LF	5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.48	0.11
		For >500, Deduct	*-0.06*	
05 15 16 00-0083	LF	3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.58	0.11
		For >500, Deduct	*-0.07*	
05 15 16 00-0084		**7x19, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0085	LF	1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.57	0.10
		For >500, Deduct	*-0.08*	
05 15 16 00-0086	LF	5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.62	0.11
		For >500, Deduct	*-0.09*	
05 15 16 00-0087	LF	3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.70	0.11
		For >500, Deduct	*-0.10*	
05 15 16 00-0088	LF	1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.82	0.11
		For >500, Deduct	*-0.13*	
05 15 16 00-0089	LF	5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.25	0.11
		For >500, Deduct	*-0.19*	
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.67	0.11
		For >500, Deduct	*-0.25*	
05 15 16 00-0091		**Heavy-Duty, Galvanized Steel, Wire Rope Thimbles** *(05 15 16)*		
05 15 16 00-0092	EA	1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	14.76	3.43
05 15 16 00-0093	EA	5/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	16.81	3.43
05 15 16 00-0094	EA	3/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	19.08	3.43
05 15 16 00-0095	EA	7/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.31	3.43
05 15 16 00-0096	EA	1/2" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.35	3.43
05 15 16 00-0097	EA	9/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.35	3.43
05 15 16 00-0098	EA	5/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	27.46	3.43
05 15 16 00-0099	EA	3/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	50.32	5.27
05 15 16 00-0100	EA	7/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	59.34	6.41
05 15 16 00-0101	EA	1" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	105.76	10.53
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	151.94	14.32
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	151.94	14.32
05 15 16 00-0104		**Galvanized Steel, Wire Rope Clips** *(05 15 16)*		
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	17.84	3.43
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	18.23	3.43
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	20.94	3.43
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	21.36	3.43
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	21.97	3.43
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	27.78	3.43
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	28.22	3.43
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	32.41	3.43
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	33.01	3.43
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	45.15	4.58
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	67.43	6.87
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	74.27	6.87
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	87.11	9.16
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	126.49	13.75

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0119		**Steel, Open Swage Sockets** *(05 15 16)*		
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	101.65	3.43
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	162.54	3.43
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	167.07	4.58
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	198.40	5.73
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	198.40	5.73
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	288.93	12.60
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	288.93	12.60
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	366.86	24.05
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	493.30	34.36
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	692.94	52.69
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	905.65	82.47
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	1,054.38	95.07
05 15 16 00-0132		**Steel, Closed Swage Sockets** *(05 15 16)*		
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	81.58	3.43
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	110.77	3.43
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	110.77	3.43
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	137.92	4.58
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	139.18	4.58
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	190.27	8.02
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	195.72	9.16
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	241.24	14.89
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	310.96	21.76
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	444.83	29.78
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	550.17	41.23
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	743.15	64.14
05 15 16 00-0145		**Galvanized Steel, Open Spelter Sockets** *(05 15 16)*		
05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket	170.84	3.43
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket	174.98	3.43
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket	174.98	3.43
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket	194.67	6.87
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket	194.67	6.87
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket	254.39	11.45
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket	254.39	11.45
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket	321.18	17.18
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket	479.61	28.63
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket	874.97	44.67
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket	1,021.76	72.16
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	1,381.53	95.07
05 15 16 00-0158		**Galvanized Steel, Closed Spelter Sockets** *(05 15 16)*		
05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	143.08	3.43
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	143.63	3.43
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	143.63	3.43
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	160.32	5.73
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	160.32	5.73
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	223.47	10.31
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket	223.47	10.31
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket	273.05	14.89
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket	398.36	22.91
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket	601.17	35.51
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	786.69	48.11
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	989.95	64.14
05 15 16 00-0171		**Forged Steel, Jaw And Jaw Turnbuckles** *(05 15 16)*		
05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	98.08	3.43
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-12.99*	
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	105.28	3.43
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-14.07*	
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	118.63	3.43
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-16.08*	
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	130.75	4.58
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-16.73*	
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	172.24	5.73
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-22.26*	
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	195.63	6.87
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.20*	
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	198.30	9.16
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-24.46*	
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	245.98	9.16
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-31.17*	
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	279.59	10.31
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-35.80*	
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	267.25	12.60
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-32.78*	
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	303.67	14.89
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-36.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	376.11	16.03
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-46.60*	
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	452.45	19.47
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-56.02*	
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	512.64	27.49
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-60.53*	
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	622.41	32.08
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-74.27*	
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	533.07	27.49
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-63.60*	
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	607.70	35.51
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-69.68*	
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	835.71	44.67
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-98.93*	
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	933.18	52.69
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-108.74*	
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,037.06	64.14
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-117.38*	
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,254.69	72.16
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-145.25*	
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,630.58	82.47
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-195.50*	
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,608.63	88.19
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-188.43*	
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,761.48	114.53
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-195.50*	
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	3,202.90	148.89
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-394.53*	
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	5,228.08	286.34
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-612.41*	

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts *(05 15 16)*

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.89
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.99
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	23.70
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	28.33
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	28.20
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	38.66
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	46.54
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	63.01
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	84.71
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	123.48
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	146.97
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	267.65
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	307.01
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	379.84

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts *(05 15 16)*

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	27.58
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	24.84
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.85
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	22.58
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	30.64
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	46.40
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	44.96
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	42.70
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	38.23
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	39.49
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	34.82
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	27.66
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	36.17
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	49.57
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	37.52
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	60.65
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	53.32
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	48.60
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	57.25
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	58.09
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	51.66
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	65.13
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	74.73
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	86.26
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	71.16
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	71.16
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	72.58
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	80.28
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	86.62
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	101.32
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	134.31

05 15 19 Stainless Steel Wire Rope Assemblies *(05 15)*

05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.27	0.08
		For >500, Deduct	*-0.03*	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.35	0.09
		For >500, Deduct	*-0.04*	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.46	0.10
		For >500, Deduct	*-0.06*	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.59	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.72	0.11
		For >500, Deduct	*-0.10*	
05 15 19 00-0007		7x19, 304 Stainless Steel, Aircraft Cable *(05 15 19)*		
05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.51	0.10
		For >500, Deduct	*-0.07*	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.60	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.69	0.11
		For >500, Deduct	*-0.10*	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.86	0.11
		For >500, Deduct	*-0.13*	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.31	0.11
		For >500, Deduct	*-0.20*	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.96	0.23
		For >500, Deduct	*-0.30*	
05 15 19 00-0014		7x7, 316 Stainless Steel, Aircraft Cable *(05 15 19)*		
05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.27	0.08
		For >500, Deduct	*-0.03*	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.35	0.09
		For >500, Deduct	*-0.04*	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.46	0.10
		For >500, Deduct	*-0.06*	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.59	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.72	0.11
		For >500, Deduct	*-0.10*	
05 15 19 00-0020		7x19, 316 Stainless Steel, Aircraft Cable *(05 15 19)*		
05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.51	0.10
		For >500, Deduct	*-0.07*	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.60	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.69	0.11
		For >500, Deduct	*-0.10*	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.86	0.11
		For >500, Deduct	*-0.13*	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.31	0.11
		For >500, Deduct	*-0.20*	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.96	0.11
		For >500, Deduct	*-0.30*	

05 20 Metal Joists *(05)*

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing *(05 20)*

05 21 19 Open Web Steel Joist Framing *(05 21)*

05 21 19 00-0001	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,837.54	203.63
		For Welded Cross Bridging, Add	*254.54*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*238.69*	
05 21 19 00-0002	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,601.19	190.90
		For Welded Cross Bridging, Add	*226.25*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*221.64*	
05 21 19 00-0003	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	3,124.00	190.90
		For Welded Cross Bridging, Add	*234.96*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*280.90*	
05 21 19 00-0004	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,540.14	190.90
		For Welded Cross Bridging, Add	*234.96*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*330.83*	
05 21 19 00-0005	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,137.24	190.90
		For Welded Cross Bridging, Add	*254.54*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*274.65*	
05 21 19 00-0006	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,904.27	190.90
		For Welded Cross Bridging, Add	*234.96*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*374.53*	

05 30 Metal Decking *(05)*

Note: Includes all connecting bolts and welds.

05 31 Steel Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete where required.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13		**Steel Floor Decking** *(05 31)*		
		Note: Floor or roof decking		
05 31 13 00-0001		Open Ribbed Galvanized Steel Deck *(05 31 13)*		
05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.24	0.52
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Site Installed Insulation Between Ribs, Add	*0.86*	
		For Up To 100, Add	*0.91*	
		For >100 To 500, Add	*0.52*	
		For >500 To 1,500, Add	*0.16*	
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.68	0.60
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Site Installed Insulation Between Ribs, Add	*0.98*	
		For Up To 100, Add	*1.04*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.19*	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.62	0.73
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.22*	
		For Up To 100, Add	*1.28*	
		For >100 To 500, Add	*0.74*	
		For >500 To 1,500, Add	*0.23*	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.55	0.58
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Site Installed Insulation Between Ribs, Add	*0.94*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.57*	
		For >500 To 1,500, Add	*0.18*	
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.08	0.67
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.08*	
		For Up To 100, Add	*1.16*	
		For >100 To 500, Add	*0.66*	
		For >500 To 1,500, Add	*0.21*	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.14	0.82
		For Painted, Deduct	*-0.21*	
		For Perforated Or Slotted, Add	*0.21*	
		For Site Installed Insulation Between Ribs, Add	*1.36*	
		For Up To 100, Add	*1.44*	
		For >100 To 500, Add	*0.82*	
		For >500 To 1,500, Add	*0.26*	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.02	0.61
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.06*	
		For Up To 100, Add	*1.10*	
		For >100 To 500, Add	*0.63*	
		For >500 To 1,500, Add	*0.19*	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.66	0.71
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.23*	
		For Up To 100, Add	*1.25*	
		For >100 To 500, Add	*0.73*	
		For >500 To 1,500, Add	*0.22*	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.75	0.79
		For Painted, Deduct	*-0.24*	
		For Perforated Or Slotted, Add	*0.24*	
		For Site Installed Insulation Between Ribs, Add	*1.51*	
		For Up To 100, Add	*1.48*	
		For >100 To 500, Add	*0.88*	
		For >500 To 1,500, Add	*0.25*	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	7.21	0.86
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Site Installed Insulation Between Ribs, Add	*1.88*	
		For Up To 100, Add	*1.69*	
		For >100 To 500, Add	*1.05*	
		For >500 To 1,500, Add	*0.27*	
05 31 13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.49	0.65
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Site Installed Insulation Between Ribs, Add	*1.18*	
		For Up To 100, Add	*1.18*	
		For >100 To 500, Add	*0.69*	
		For >500 To 1,500, Add	*0.20*	
05 31 13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.23	0.73
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Site Installed Insulation Between Ribs, Add	*1.38*	
		For Up To 100, Add	*1.34*	
		For >100 To 500, Add	*0.80*	
		For >500 To 1,500, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.52	0.90
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Site Installed Insulation Between Ribs, Add	*1.71*	
		For Up To 100, Add	*1.67*	
		For >100 To 500, Add	*0.99*	
		For >500 To 1,500, Add	*0.28*	
05 31 13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	8.22	1.10
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Site Installed Insulation Between Ribs, Add	*2.16*	
		For Up To 100, Add	*2.06*	
		For >100 To 500, Add	*1.23*	
		For >500 To 1,500, Add	*0.34*	
05 31 13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	11.87	
		For Painted, Deduct	*-0.54*	
		For Perforated Or Slotted, Add	*0.54*	
		For Site Installed Insulation Between Ribs, Add	*3.04*	
		For Up To 100, Add	*2.09*	
		For >100 To 500, Add	*1.49*	
		For >500 To 1,500, Add	*0.25*	
05 31 13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	14.95	0.90
		For Painted, Deduct	*-0.69*	
		For Perforated Or Slotted, Add	*0.69*	
		For Site Installed Insulation Between Ribs, Add	*3.82*	
		For Up To 100, Add	*2.51*	
		For >100 To 500, Add	*1.83*	
		For >500 To 1,500, Add	*0.28*	
05 31 13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	13.89	0.90
		For Painted, Deduct	*-0.64*	
		For Perforated Or Slotted, Add	*0.64*	
		For Site Installed Insulation Between Ribs, Add	*3.56*	
		For Up To 100, Add	*2.41*	
		For >100 To 500, Add	*1.73*	
		For >500 To 1,500, Add	*0.28*	
05 31 13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	14.56	1.10
		For Painted, Deduct	*-0.66*	
		For Perforated Or Slotted, Add	*0.66*	
		For Site Installed Insulation Between Ribs, Add	*3.74*	
		For Up To 100, Add	*2.69*	
		For >100 To 500, Add	*1.87*	
		For >500 To 1,500, Add	*0.34*	
05 31 13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	18.19	1.33
		For Painted, Deduct	*-0.83*	
		For Perforated Or Slotted, Add	*0.83*	
		For Site Installed Insulation Between Ribs, Add	*4.67*	
		For Up To 100, Add	*3.32*	
		For >100 To 500, Add	*2.32*	
		For >500 To 1,500, Add	*0.42*	
05 31 13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	16.09	1.21
		For Painted, Deduct	*-0.73*	
		For Perforated Or Slotted, Add	*0.73*	
		For Site Installed Insulation Between Ribs, Add	*4.14*	
		For Up To 100, Add	*2.96*	
		For >100 To 500, Add	*2.06*	
		For >500 To 1,500, Add	*0.38*	
05 31 13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	20.06	1.46
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Site Installed Insulation Between Ribs, Add	*5.15*	
		For Up To 100, Add	*3.65*	
		For >100 To 500, Add	*2.56*	
		For >500 To 1,500, Add	*0.46*	

05 31 13 00-0023 Cellular Galvanized Steel Deck *(05 31 13)*

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.64	0.92
		For Painted, Deduct	*-0.47*	
		For Perforated Or Slotted, Add	*0.47*	
		For Insulated Cells, Add	*2.13*	
		For Site Installed Insulation Between Ribs, Add	*2.75*	
		For Up To 100, Add	*2.11*	
		For >100 To 500, Add	*1.41*	
		For >500 To 1,500, Add	*0.29*	
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.57	1.23
		For Painted, Deduct	*-0.50*	
		For Perforated Or Slotted, Add	*0.50*	
		For Insulated Cells, Add	*2.26*	
		For Site Installed Insulation Between Ribs, Add	*3.01*	
		For Up To 100, Add	*2.53*	
		For >100 To 500, Add	*1.62*	
		For >500 To 1,500, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	13.05	0.96
		For Painted, Deduct	*-0.59*	
		For Perforated Or Slotted, Add	*0.59*	
		For Insulated Cells, Add	*2.66*	
		For Site Installed Insulation Between Ribs, Add	*3.35*	
		For Up To 100, Add	*2.39*	
		For >100 To 500, Add	*1.67*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	14.13	1.29
		For Painted, Deduct	*-0.63*	
		For Perforated Or Slotted, Add	*0.63*	
		For Insulated Cells, Add	*2.82*	
		For Site Installed Insulation Between Ribs, Add	*3.65*	
		For Up To 100, Add	*2.86*	
		For >100 To 500, Add	*1.90*	
		For >500 To 1,500, Add	*0.40*	
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	14.95	1.19
		For Painted, Deduct	*-0.68*	
		For Perforated Or Slotted, Add	*0.68*	
		For Insulated Cells, Add	*3.04*	
		For Site Installed Insulation Between Ribs, Add	*3.85*	
		For Up To 100, Add	*2.80*	
		For >100 To 500, Add	*1.93*	
		For >500 To 1,500, Add	*0.36*	
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	17.87	1.36
		For Painted, Deduct	*-0.81*	
		For Perforated Or Slotted, Add	*0.81*	
		For Insulated Cells, Add	*3.64*	
		For Site Installed Insulation Between Ribs, Add	*4.59*	
		For Up To 100, Add	*3.32*	
		For >100 To 500, Add	*2.30*	
		For >500 To 1,500, Add	*0.43*	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	20.04	1.46
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Insulated Cells, Add	*4.10*	
		For Site Installed Insulation Between Ribs, Add	*5.15*	
		For Up To 100, Add	*3.65*	
		For >100 To 500, Add	*2.55*	
		For >500 To 1,500, Add	*0.46*	
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	21.66	1.57
		For Painted, Deduct	*-0.99*	
		For Perforated Or Slotted, Add	*0.99*	
		For Insulated Cells, Add	*4.43*	
		For Site Installed Insulation Between Ribs, Add	*5.56*	
		For Up To 100, Add	*3.93*	
		For >100 To 500, Add	*2.75*	
		For >500 To 1,500, Add	*0.49*	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	23.18	1.19
		For Painted, Deduct	*-1.09*	
		For Perforated Or Slotted, Add	*1.09*	
		For Insulated Cells, Add	*4.88*	
		For Site Installed Insulation Between Ribs, Add	*5.91*	
		For Up To 100, Add	*3.65*	
		For >100 To 500, Add	*2.76*	
		For >500 To 1,500, Add	*0.37*	
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	24.66	1.38
		For Painted, Deduct	*-1.15*	
		For Perforated Or Slotted, Add	*1.15*	
		For Insulated Cells, Add	*5.16*	
		For Site Installed Insulation Between Ribs, Add	*6.29*	
		For Up To 100, Add	*4.02*	
		For >100 To 500, Add	*2.99*	
		For >500 To 1,500, Add	*0.43*	
05 31 13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	26.06	1.48
		For Painted, Deduct	*-1.21*	
		For Perforated Or Slotted, Add	*1.21*	
		For Insulated Cells, Add	*5.45*	
		For Site Installed Insulation Between Ribs, Add	*6.65*	
		For Up To 100, Add	*4.28*	
		For >100 To 500, Add	*3.16*	
		For >500 To 1,500, Add	*0.47*	
05 31 13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	27.79	1.59
		For Painted, Deduct	*-1.29*	
		For Perforated Or Slotted, Add	*1.29*	
		For Insulated Cells, Add	*5.81*	
		For Site Installed Insulation Between Ribs, Add	*7.10*	
		For Up To 100, Add	*4.57*	
		For >100 To 500, Add	*3.38*	
		For >500 To 1,500, Add	*0.50*	

05 31 23 Steel Roof Decking *(05 31)*

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking *(05 31)*

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck *(05 31 33)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	2.92	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.16*	
		For >100 To 500, Add	*0.58*	
		For >500 To 1,500, Add	*0.24*	
05 31 33 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.12	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.24*	
		For >100 To 500, Add	*0.62*	
		For >500 To 1,500, Add	*0.26*	
05 31 33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.45	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*1.42*	
		For >100 To 500, Add	*0.70*	
		For >500 To 1,500, Add	*0.30*	
05 31 33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	3.72	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Up To 100, Add	*1.58*	
		For >100 To 500, Add	*0.77*	
		For >500 To 1,500, Add	*0.34*	
05 31 33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.53	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.28*	
		For >100 To 500, Add	*0.66*	
		For >500 To 1,500, Add	*0.26*	
05 31 33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	3.70	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.34*	
		For >100 To 500, Add	*0.69*	
		For >500 To 1,500, Add	*0.27*	
05 31 33 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.90	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.46*	
		For >100 To 500, Add	*0.75*	
		For >500 To 1,500, Add	*0.30*	
05 31 33 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.15	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.62*	
		For >100 To 500, Add	*0.82*	
		For >500 To 1,500, Add	*0.34*	
05 31 33 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	4.39	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.70*	
		For >100 To 500, Add	*0.86*	
		For >500 To 1,500, Add	*0.35*	
05 31 33 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	4.78	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.78*	
		For >100 To 500, Add	*0.91*	
		For >500 To 1,500, Add	*0.36*	
05 31 33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	5.48	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*1.02*	
		For >500 To 1,500, Add	*0.39*	
05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	6.08	
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Up To 100, Add	*2.21*	
		For >100 To 500, Add	*1.14*	
		For >500 To 1,500, Add	*0.45*	

05 36 Composite Metal Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.43	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.70*	
		For >100 To 500, Add	*0.86*	
		For >500 To 1,500, Add	*0.35*	
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	4.73	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.88*	
		For >100 To 500, Add	*0.94*	
		For >500 To 1,500, Add	*0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.30	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.28*	
		For >100 To 500, Add	*1.11*	
		For >500 To 1,500, Add	*0.49*	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	5.78	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.67*	
		For >100 To 500, Add	*1.27*	
		For >500 To 1,500, Add	*0.58*	
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.73	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.88*	
		For >100 To 500, Add	*0.94*	
		For >500 To 1,500, Add	*0.39*	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.12	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.07*	
		For >100 To 500, Add	*1.03*	
		For >500 To 1,500, Add	*0.43*	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.67	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*2.46*	
		For >100 To 500, Add	*1.20*	
		For >500 To 1,500, Add	*0.53*	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.20	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*2.85*	
		For >100 To 500, Add	*1.36*	
		For >500 To 1,500, Add	*0.62*	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.97	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >500 To 1,500, Add	*0.40*	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.33	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*2.18*	
		For >100 To 500, Add	*1.08*	
		For >500 To 1,500, Add	*0.46*	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.98	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*2.63*	
		For >100 To 500, Add	*1.28*	
		For >500 To 1,500, Add	*0.57*	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.67	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*3.09*	
		For >100 To 500, Add	*1.47*	
		For >500 To 1,500, Add	*0.67*	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.11	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.26*	
		For Up To 100, Add	*3.09*	
		For >100 To 500, Add	*1.57*	
		For >500 To 1,500, Add	*0.63*	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.67	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.32*	
		For Up To 100, Add	*3.39*	
		For >100 To 500, Add	*1.71*	
		For >500 To 1,500, Add	*0.70*	
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.77	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.32*	
		For Up To 100, Add	*3.49*	
		For >100 To 500, Add	*1.75*	
		For >500 To 1,500, Add	*0.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0018	SF	1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.32	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.37*	
		For Up To 100, Add	*3.84*	
		For >100 To 500, Add	*1.90*	
		For >500 To 1,500, Add	*0.81*	
05 36 00 00-0019	SF	1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	9.98	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*4.14*	
		For >100 To 500, Add	*2.05*	
		For >500 To 1,500, Add	*0.87*	
05 36 00 00-0020	SF	1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.10	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*4.26*	
		For >100 To 500, Add	*2.09*	
		For >500 To 1,500, Add	*0.90*	
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.64	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*4.60*	
		For >100 To 500, Add	*2.24*	
		For >500 To 1,500, Add	*0.98*	
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.38	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.28*	
		For Up To 100, Add	*3.26*	
		For >100 To 500, Add	*1.65*	
		For >500 To 1,500, Add	*0.67*	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.84	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.49*	
		For >100 To 500, Add	*1.75*	
		For >500 To 1,500, Add	*0.73*	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.96	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.61*	
		For >100 To 500, Add	*1.80*	
		For >500 To 1,500, Add	*0.76*	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.61	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.41*	
		For Up To 100, Add	*3.97*	
		For >100 To 500, Add	*1.96*	
		For >500 To 1,500, Add	*0.84*	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.18	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*4.27*	
		For >100 To 500, Add	*2.10*	
		For >500 To 1,500, Add	*0.90*	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.34	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*4.43*	
		For >100 To 500, Add	*2.17*	
		For >500 To 1,500, Add	*0.94*	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.90	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.54*	
		For Up To 100, Add	*4.73*	
		For >100 To 500, Add	*2.30*	
		For >500 To 1,500, Add	*1.01*	
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.42	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.29*	
		For Up To 100, Add	*3.26*	
		For >100 To 500, Add	*1.65*	
		For >500 To 1,500, Add	*0.67*	
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.91	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.56*	
		For >100 To 500, Add	*1.78*	
		For >500 To 1,500, Add	*0.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	9.06	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.71*	
		For >100 To 500, Add	*1.84*	
		For >500 To 1,500, Add	*0.78*	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.70	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.42*	
		For Up To 100, Add	*4.02*	
		For >100 To 500, Add	*1.99*	
		For >500 To 1,500, Add	*0.85*	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.33	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.50*	
		For Up To 100, Add	*4.33*	
		For >100 To 500, Add	*2.13*	
		For >500 To 1,500, Add	*0.92*	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.55	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.50*	
		For Up To 100, Add	*4.55*	
		For >100 To 500, Add	*2.22*	
		For >500 To 1,500, Add	*0.97*	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	11.00	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.54*	
		For Up To 100, Add	*4.83*	
		For >100 To 500, Add	*2.34*	
		For >500 To 1,500, Add	*1.04*	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized *(05 36)*

05 36 00 00-0037	SF	1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.23	
05 36 00 00-0038	SF	1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.11	
05 36 00 00-0039	SF	1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.26	
05 36 00 00-0040	SF	1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.66	
05 36 00 00-0041	SF	1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.85	
05 36 00 00-0042	SF	1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.58	
05 36 00 00-0043	SF	1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.62	
05 36 00 00-0044	SF	1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.00	
05 36 00 00-0045	SF	3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	7.90	
05 36 00 00-0046	SF	3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.32	
05 36 00 00-0047	SF	3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.31	
05 36 00 00-0048	SF	3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.79	

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.53	1.15
		For Walls >10' High, Add	*1.31*	
		For Curved Wall, Add	*0.80*	
		For Up To 200, Add	*1.84*	
		For >200 To 500, Add	*0.92*	
		For 12" On Center, Add	*1.17*	
		For 24" On Center, Deduct	*-1.17*	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.33	1.15
		For Walls >10' High, Add	*1.47*	
		For Curved Wall, Add	*0.84*	
		For Up To 200, Add	*2.03*	
		For >200 To 500, Add	*1.01*	
		For 12" On Center, Add	*1.33*	
		For 24" On Center, Deduct	*-1.33*	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.66	1.15
		For Walls >10' High, Add	*1.53*	
		For Curved Wall, Add	*0.88*	
		For Up To 200, Add	*2.12*	
		For >200 To 500, Add	*1.06*	
		For 12" On Center, Add	*1.39*	
		For 24" On Center, Deduct	*-1.39*	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	9.88	1.27
		For Walls >10' High, Add	*1.98*	
		For Curved Wall, Add	*0.91*	
		For Up To 200, Add	*2.58*	
		For >200 To 500, Add	*1.29*	
		For 12" On Center, Add	*1.82*	
		For 24" On Center, Deduct	*-1.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	11.09	1.40
		For Walls >10' High, Add	*2.22*	
		For Curved Wall, Add	*0.95*	
		For Up To 200, Add	*2.85*	
		For >200 To 500, Add	*1.43*	
		For 12" On Center, Add	*2.06*	
		For 24" On Center, Deduct	*-2.06*	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.03	1.15
		For Walls >10' High, Add	*1.41*	
		For Curved Wall, Add	*0.84*	
		For Up To 200, Add	*1.97*	
		For >200 To 500, Add	*0.98*	
		For 12" On Center, Add	*1.27*	
		For 24" On Center, Deduct	*-1.27*	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.20	1.16
		For Walls >10' High, Add	*1.64*	
		For Curved Wall, Add	*0.88*	
		For Up To 200, Add	*2.23*	
		For >200 To 500, Add	*1.11*	
		For 12" On Center, Add	*1.49*	
		For 24" On Center, Deduct	*-1.49*	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.67	1.16
		For Walls >10' High, Add	*1.73*	
		For Curved Wall, Add	*0.92*	
		For Up To 200, Add	*2.35*	
		For >200 To 500, Add	*1.17*	
		For 12" On Center, Add	*1.58*	
		For 24" On Center, Deduct	*-1.58*	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	11.11	1.40
		For Walls >10' High, Add	*2.22*	
		For Curved Wall, Add	*0.96*	
		For Up To 200, Add	*2.86*	
		For >200 To 500, Add	*1.43*	
		For 12" On Center, Add	*2.06*	
		For 24" On Center, Deduct	*-2.06*	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	12.29	1.53
		For Walls >10' High, Add	*2.46*	
		For Curved Wall, Add	*1.01*	
		For Up To 200, Add	*3.13*	
		For >200 To 500, Add	*1.57*	
		For 12" On Center, Add	*2.29*	
		For 24" On Center, Deduct	*-2.29*	

05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	9.75	1.59
		For Walls >10' High, Add	*1.95*	
		For Curved Wall, Add	*1.06*	
		For Up To 200, Add	*2.66*	
		For >200 To 500, Add	*1.33*	
		For 12" On Center, Add	*1.77*	
		For 24" On Center, Deduct	*-1.77*	
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	10.03	1.62
		For Walls >10' High, Add	*2.01*	
		For Curved Wall, Add	*1.08*	
		For Up To 200, Add	*2.73*	
		For >200 To 500, Add	*1.36*	
		For 12" On Center, Add	*1.83*	
		For 24" On Center, Deduct	*-1.83*	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	12.75	1.70
		For Walls >10' High, Add	*2.55*	
		For Curved Wall, Add	*1.13*	
		For Up To 200, Add	*3.31*	
		For >200 To 500, Add	*1.65*	
		For 12" On Center, Add	*2.36*	
		For 24" On Center, Deduct	*-2.36*	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	14.04	1.78
		For Walls >10' High, Add	*2.81*	
		For Curved Wall, Add	*1.19*	
		For Up To 200, Add	*3.60*	
		For >200 To 500, Add	*1.80*	
		For 12" On Center, Add	*2.61*	
		For 24" On Center, Deduct	*-2.61*	

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 13 Cold-Formed Metal Floor Joist Framing *(05 42)*

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 20 Gauge *(05 42 13)*

05 42 13 00-0002	LF	5-1/2" - 20 Gauge Steel Joists	14.13	2.73
05 42 13 00-0003	LF	6" - 20 Gauge Steel Joists	15.27	3.43
05 42 13 00-0004	LF	7-1/4" - 20 Gauge Steel Joists	16.53	3.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 13 00-0005	LF	8" - 20 Gauge Steel Joists	18.62	4.00
05 42 13 00-0006		**Steel Joists, 18 Gauge** *(05 42 13)*		
05 42 13 00-0007	LF	5-1/2" - 18 Gauge Steel Joists	15.75	3.03
05 42 13 00-0008	LF	6" - 18 Gauge Steel Joists	17.05	3.81
05 42 13 00-0009	LF	7-1/4" - 18 Gauge Steel Joists	18.51	4.18
05 42 13 00-0010	LF	8" - 18 Gauge Steel Joists	19.01	4.45
05 42 13 00-0011		**Steel Joists, 16 Gauge** *(05 42 13)*		
05 42 13 00-0012	LF	7-1/4" - 16 Gauge Steel Joists	20.13	4.22
05 42 13 00-0013	LF	8" - 16 Gauge Steel Joists	21.27	4.45
05 42 13 00-0014		**Steel Joists, 14 Gauge** *(05 42 13)*		
05 42 13 00-0015	LF	9-1/4" - 14 Gauge Steel Joists	24.19	4.45
05 42 13 00-0016	LF	11-1/2" - 14 Gauge Steel Joists	26.33	4.69
05 42 13 00-0017		**Steel Joists, 12 Gauge** *(05 42 13)*		
05 42 13 00-0018	LF	9-1/4" - 12 Gauge Steel Joists	28.95	4.89
05 42 13 00-0019	LF	11-1/2" - 12 Gauge Steel Joists	31.73	5.15
05 42 13 00-0020		**Steel Joists, 10 Gauge** *(05 42 13)*		
05 42 13 00-0021	LF	9-1/4" - 10 Gauge Steel Joists	33.78	5.38
05 42 13 00-0022	LF	11-1/2" - 10 Gauge Steel Joists	37.21	5.67
05 42 13 00-0023		**Steel Joists, 8 Gauge** *(05 42 13)*		
05 42 13 00-0024	LF	9-1/4" - 8 Gauge Steel Joists	38.67	5.92
05 42 13 00-0025	LF	11-1/2" - 8 Gauge Steel Joists	42.72	6.24

05 42 23 Cold-Formed Metal Roof Joist Framing *(05 42)*

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing *(05 40)*

05 43 00 00-0001 Metal Framing Channel *(05 43)*

Note: Excludes fasteners and accessories. See CSI section 26 05 29 00-0001 for Unistrut framing channels with Electrical Crews.

05 43 00 00-0002 Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.55	2.59
		For Galvanizing, Add	*1.42*	
		For Powder Coating, Add	*1.26*	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	13.96	2.59
		For Galvanizing, Add	*1.49*	
		For Powder Coating, Add	*1.32*	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.58	2.59
		For Galvanizing, Add	*1.60*	
		For Powder Coating, Add	*1.41*	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	12.74	2.59
		For Galvanizing, Add	*1.29*	
		For Powder Coating, Add	*1.14*	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	10.96	2.59
		For Galvanizing, Add	*0.98*	
		For Powder Coating, Add	*0.87*	

05 43 00 00-0008 Stainless Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0009 304 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.24	2.59
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	28.90	2.59
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	27.74	2.59
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	34.94	2.59

05 43 00 00-0014 316 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	39.35	2.59

05 43 00 00-0016 Aluminum Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0017	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	13.02	2.59
05 43 00 00-0018	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	9.92	2.59

05 43 00 00-0019 Metal Framing Channel Fittings *(05 43)*

05 43 00 00-0020 Unistrut Closure Strips *(05 43 00 00-0019)*

05 43 00 00-0021	LF	Steel Raceway Closure Strip For Unistrut Channel	7.58	0.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0022		**Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0019)* Note: Includes hex bolt.		
05 43 00 00-0023		**Steel Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0022)* Note: Includes hex bolt.		
05 43 00 00-0024	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	8.22	
05 43 00 00-0025	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	9.10	
05 43 00 00-0026	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	9.77	
05 43 00 00-0027	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	13.34	
05 43 00 00-0028		**Stainless Steel Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0022)* Note: Includes hex bolt.		
05 43 00 00-0029	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.54	
05 43 00 00-0030	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	15.46	
05 43 00 00-0031	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	21.44	
05 43 00 00-0032	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	35.39	
05 43 00 00-0033		**Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0019)* Note: Includes hex bolt.		
05 43 00 00-0034		**Steel Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0033)* Note: Includes hex bolt.		
05 43 00 00-0035	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	8.25	
05 43 00 00-0036	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	9.23	
05 43 00 00-0037	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	9.82	
05 43 00 00-0038	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	14.37	
05 43 00 00-0039		**Stainless Steel Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0033)* Note: Includes hex bolt.		
05 43 00 00-0040	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.78	
05 43 00 00-0041	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.80	
05 43 00 00-0042	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.95	
05 43 00 00-0043	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	34.51	
05 43 00 00-0044		**Beam Clamp For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0045	EA	1-5/8" Channel, P2675 Unistrut Beam Clamp	24.12	8.59
05 43 00 00-0046	EA	1-5/8" Channel, P2676 Unistrut Beam Clamp	30.57	8.59
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut, P2676	3.51	
05 43 00 00-0048		**Beam Clamp Clevis Hangers For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0049	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	26.36	8.59
05 43 00 00-0050	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	31.49	8.59
05 43 00 00-0051	EA	Add For Unistrut Swivel Nut	3.51	
05 43 00 00-0052	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	185.53	11.45
05 43 00 00-0053		**Accessories For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0054	EA	Trolley Truck Hanger, 1-5/8" Channel P1834	60.95	8.59
05 43 00 00-0055	EA	Flat Plate Fitting, One Hole, 1-5/8" Channel P1064	15.10	5.73
05 43 00 00-0056	EA	60 Degree Angle, 1-5/8" Channel P2097	15.83	5.73
05 43 00 00-0057		**Bases For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0058		**Steel Bases For Unistrut Channel** *(05 43 00 00-0057)* Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0059	EA	6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	116.84	28.63
05 43 00 00-0060	EA	6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	117.97	28.63
05 43 00 00-0061	EA	6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	169.81	28.63
05 43 00 00-0062	EA	6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel	138.70	28.63
05 43 00 00-0063		**Stainless Steel Bases For Unistrut Channel** *(05 43 00 00-0057)* Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0064	EA	6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	224.75	28.63
05 43 00 00-0065	EA	6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	416.57	28.63
05 43 00 00-0066	EA	6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel	309.84	28.63
05 43 00 00-0067	EA	6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel	465.86	28.63
05 43 00 00-0068	EA	6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel	397.67	28.63
05 43 00 00-0069		**Pipe And Rigid Conduit Clamps** *(05 43 00 00-0019)*		
05 43 00 00-0070		**Pipe And Rigid Conduit Clamps** *(05 43 00 00-0069)* Note: Includes stainless steel (316) hardware.		
05 43 00 00-0071	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.40	2.47
05 43 00 00-0072	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.55	2.47
05 43 00 00-0073	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.77	2.99
05 43 00 00-0074	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.29	3.24
05 43 00 00-0075	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	11.67	3.63
05 43 00 00-0076	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	11.67	3.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0077	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	18.05	6.09
05 43 00 00-0078	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	18.36	6.09
05 43 00 00-0079	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	19.67	6.74
05 43 00 00-0080	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	21.75	7.27
05 43 00 00-0081		Pipe And Rigid Conduit Clamps *(05 43 00 00-0069)*		
		Note: Includes nylon hardware.		
05 43 00 00-0082	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	10.89	2.47
05 43 00 00-0083	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.25	2.47
05 43 00 00-0084	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	12.47	2.99
05 43 00 00-0085	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.13	3.24
05 43 00 00-0086	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.67	3.63
05 43 00 00-0087	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.67	3.63
05 43 00 00-0088	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	26.14	6.09
05 43 00 00-0089	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	26.87	6.09
05 43 00 00-0090	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	28.32	6.74
05 43 00 00-0091	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	31.59	7.27

05 44 Cold-Formed Metal Trusses *(05 40)*

05 44 13 Cold-Formed Metal Roof Trusses *(05 44)*

05 44 13 00-0001 Metal Trusses *(05 44 13)*

05 44 13 00-0002 4:12 Pitch Metal Trusses *(05 44 13 00-0001)*

05 44 13 00-0003	EA	28' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	705.80	115.81
		For 4" Chords, Deduct	*-146.05*	
		For 14 Gauge, Add	*180.58*	
		For 16 Gauge, Add	*74.71*	
05 44 13 00-0004	EA	30' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	738.72	116.83
		For 4" Chords, Deduct	*-156.16*	
		For 14 Gauge, Add	*190.45*	
		For 16 Gauge, Add	*79.64*	
05 44 13 00-0005	EA	32' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	764.17	117.85
		For 4" Chords, Deduct	*-163.79*	
		For 14 Gauge, Add	*198.00*	
		For 16 Gauge, Add	*83.38*	
05 44 13 00-0006	EA	34' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	811.54	123.68
		For 4" Chords, Deduct	*-175.05*	
		For 14 Gauge, Add	*210.76*	
		For 16 Gauge, Add	*89.03*	
05 44 13 00-0007	EA	36' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	851.44	129.52
		For 4" Chords, Deduct	*-183.84*	
		For 14 Gauge, Add	*221.21*	
		For 16 Gauge, Add	*93.49*	
05 44 13 00-0008	EA	38' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	877.52	130.74
		For 4" Chords, Deduct	*-191.52*	
		For 14 Gauge, Add	*228.88*	
		For 16 Gauge, Add	*97.26*	
05 44 13 00-0009	EA	40' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	911.08	131.98
		For 4" Chords, Deduct	*-201.67*	
		For 14 Gauge, Add	*238.88*	
		For 16 Gauge, Add	*102.22*	
05 44 13 00-0010	EA	42' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	953.27	138.58
		For 4" Chords, Deduct	*-210.65*	
		For 14 Gauge, Add	*249.78*	
		For 16 Gauge, Add	*106.79*	
05 44 13 00-0011	EA	44' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,002.93	145.18
		For 4" Chords, Deduct	*-222.09*	
		For 14 Gauge, Add	*263.00*	
		For 16 Gauge, Add	*112.56*	
05 44 13 00-0012	EA	46' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,045.14	151.78
		For 4" Chords, Deduct	*-231.06*	
		For 14 Gauge, Add	*273.91*	
		For 16 Gauge, Add	*117.14*	
05 44 13 00-0013	EA	48' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,094.79	158.37
		For 4" Chords, Deduct	*-242.50*	
		For 14 Gauge, Add	*287.12*	
		For 16 Gauge, Add	*122.90*	

05 44 13 00-0014 5:12 To 6:12 Pitch Metal Trusses *(05 44 13 00-0001)*

05 44 13 00-0015	EA	28' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	842.95	144.11
		For 4" Chords, Deduct	*-170.09*	
		For 14 Gauge, Add	*213.76*	
		For 16 Gauge, Add	*87.32*	
05 44 13 00-0016	EA	30' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	876.95	145.49
		For 4" Chords, Deduct	*-180.28*	
		For 14 Gauge, Add	*223.84*	
		For 16 Gauge, Add	*92.30*	
05 44 13 00-0017	EA	32' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	910.95	146.87
		For 4" Chords, Deduct	*-190.46*	
		For 14 Gauge, Add	*233.93*	
		For 16 Gauge, Add	*97.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 44 13 00-0018	EA	34' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	969.81	156.53
		For 4" Chords, Deduct	*-202.64*	
		For 14 Gauge, Add	*248.99*	
		For 16 Gauge, Add	*103.51*	
05 44 13 00-0019	EA	36' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,028.67	166.20
		For 4" Chords, Deduct	*-214.81*	
		For 14 Gauge, Add	*264.04*	
		For 16 Gauge, Add	*109.74*	
05 44 13 00-0020	EA	38' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	952.18	167.94
		For 4" Chords, Deduct	*-216.16*	
		For 14 Gauge, Add	*252.03*	
		For 16 Gauge, Add	*109.20*	
05 44 13 00-0021	EA	40' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,098.88	169.69
		For 4" Chords, Deduct	*-235.36*	
		For 14 Gauge, Add	*284.66*	
		For 16 Gauge, Add	*119.82*	
05 44 13 00-0022	EA	42' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,154.20	178.18
		For 4" Chords, Deduct	*-247.25*	
		For 14 Gauge, Add	*299.00*	
		For 16 Gauge, Add	*125.87*	
05 44 13 00-0023	EA	44' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,209.51	186.66
		For 4" Chords, Deduct	*-259.14*	
		For 14 Gauge, Add	*313.35*	
		For 16 Gauge, Add	*131.92*	
05 44 13 00-0024	EA	46' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,264.84	195.14
		For 4" Chords, Deduct	*-271.04*	
		For 14 Gauge, Add	*327.70*	
		For 16 Gauge, Add	*137.98*	
05 44 13 00-0025	EA	48' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,320.14	203.63
		For 4" Chords, Deduct	*-282.93*	
		For 14 Gauge, Add	*342.05*	
		For 16 Gauge, Add	*144.03*	

05 45 Metal Support Assemblies *(05 40)*

05 45 13 Mechanical Metal Supports *(05 45)*

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing *(05 51 13)*

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	1,017.72	33.38
		For Closed Riser, Add	*117.55*	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,156.47	38.95
		For Closed Riser, Add	*133.43*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,288.19	45.62
		For Closed Riser, Add	*148.32*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing Note: Conventional shape.	78.47	5.57

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing *(05 51 19)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	494.19	44.51
		For Closed Riser, Add	*59.35*	
		For Galvanized Steel, Add	*101.30*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	526.84	51.19
		For Closed Riser, Add	*62.86*	
		For Galvanized Steel, Add	*106.12*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	583.24	60.08
		For Closed Riser, Add	*69.21*	
		For Galvanized Steel, Add	*115.77*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape.	91.71	5.57
		For Galvanized Steel, Add	*17.37*	

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

05 51 33 13-0001 Vertical Ladders *(05 51 33 13)*

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF	20" Wide Fixed Vertical Steel Ladder Primed	102.00	13.35
		For Galvanized Steel, Add	*15.03*	
		For Aluminum, Add	*30.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0003	VLF	24" Wide Fixed Vertical Steel Ladder Primed	117.23	13.35
		For Galvanized Steel, Add	*18.84*	
		For Aluminum, Add	*37.67*	
05 51 33 13-0004	VLF	20" Wide Fixed Vertical Steel Caged Ladder Primed	245.53	22.25
		For Galvanized Steel, Add	*43.65*	
		For Aluminum, Add	*87.30*	
05 51 33 13-0005	VLF	24" Wide Fixed Vertical Steel Caged Ladder Primed	276.00	22.25
		For Galvanized Steel, Add	*51.27*	
		For Aluminum, Add	*102.54*	
05 51 33 13-0006		**Vertical Ladders Options** *(05 51 33 13)*		
05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	416.34	41.72
		For Galvanized Steel, Add	*83.22*	
		For Aluminum, Add	*166.45*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	456.17	44.51
		For Galvanized Steel, Add	*91.79*	
		For Aluminum, Add	*183.58*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	503.77	13.91
05 51 33 13-0010	EA	6' Powder Coated, Security Ladder Guard	1,349.15	83.45
05 51 33 13-0011	EA	8' Powder Coated, Security Ladder Guard	1,614.40	97.36
05 51 33 13-0012	EA	Safety Chain Attachment	247.44	
05 51 33 13-0013		**Welded Steel Ladder Cages** *(05 51 33 13)* Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014		**Powder Coated, Welded Steel Ladder Cages** *(05 51 33 13-0013)*		
05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,289.26	166.90
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,488.04	172.47
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,646.04	178.03
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,814.91	183.59
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,913.06	189.15
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,073.77	194.72
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,215.45	200.28
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,400.64	205.85
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,580.39	211.41
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,727.51	216.97
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,907.25	222.53
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,081.56	228.10
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,253.15	233.66
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,566.16	239.23
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,658.88	244.78
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,819.59	250.35
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,966.70	255.91
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,102.93	261.48
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,407.79	267.04
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,571.22	272.61
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,723.77	278.16
05 51 33 13-0036		**Welded Stainless Steel Ladder Cages** *(05 51 33 13-0013)*		
05 51 33 13-0037	EA	7-1/2' Length, Welded Stainless Steel Ladder Cage	5,751.44	166.90
05 51 33 13-0038	EA	8-1/2' Length, Welded Stainless Steel Ladder Cage	6,146.04	172.47
05 51 33 13-0039	EA	9-1/2' Length, Welded Stainless Steel Ladder Cage	6,804.46	178.03
05 51 33 13-0040	EA	10-1/2' Length, Welded Stainless Steel Ladder Cage	7,128.35	183.59
05 51 33 13-0041	EA	11-1/2' Length, Welded Stainless Steel Ladder Cage	7,400.57	189.15
05 51 33 13-0042	EA	12-1/2' Length, Welded Stainless Steel Ladder Cage	7,762.54	194.72
05 51 33 13-0043	EA	13-1/2' Length, Welded Stainless Steel Ladder Cage	8,415.52	200.28
05 51 33 13-0044	EA	14-1/2' Length, Welded Stainless Steel Ladder Cage	8,744.85	205.85
05 51 33 13-0045	EA	15-1/2' Length, Welded Stainless Steel Ladder Cage	9,085.06	211.41
05 51 33 13-0046	EA	16-1/2' Length, Welded Stainless Steel Ladder Cage	9,457.91	216.97
05 51 33 13-0047	EA	17-1/2' Length, Welded Stainless Steel Ladder Cage	10,124.48	222.53
05 51 33 13-0048	EA	18-1/2' Length, Welded Stainless Steel Ladder Cage	10,456.54	228.10
05 51 33 13-0049	EA	19-1/2' Length, Welded Stainless Steel Ladder Cage	10,772.27	233.66
05 51 33 13-0050	EA	20-1/2' Length, Welded Stainless Steel Ladder Cage	11,297.42	239.23
05 51 33 13-0051	EA	21-1/2' Length, Welded Stainless Steel Ladder Cage	11,887.84	244.78
05 51 33 13-0052	EA	22-1/2' Length, Welded Stainless Steel Ladder Cage	12,214.46	250.35
05 51 33 13-0053	EA	23-1/2' Length, Welded Stainless Steel Ladder Cage	12,549.22	255.91
05 51 33 13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage	12,862.24	261.48
05 51 33 13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage	13,670.24	267.04
05 51 33 13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage	13,983.25	272.61
05 51 33 13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage	14,304.42	278.16
05 51 33 16		**Inclined Metal Ladders** *(05 51 33)*		
05 51 33 16-0001		**Industrial Ship Ladder, Incline Stairs** *(05 51 33 16)* Note: Includes factory prime.		
05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	353.78	55.63
		For Aluminum, Add	*121.26*	
05 51 33 23		**Alternating Tread Ladders** *(05 51 33)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 23-0001		Vertical Ladders With Alternating Tread *(05 51 33 23)*		
05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	2,885.14	166.90
		For Stainless Steel, Add	*279.46*	
		For Primed Steel, Deduct	*-232.88*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	3,317.52	176.91
		For Stainless Steel, Add	*340.51*	
		For Primed Steel, Deduct	*-265.60*	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	3,703.02	176.91
		For Stainless Steel, Add	*404.25*	
		For Primed Steel, Deduct	*-295.41*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	4,207.94	222.32
		For Stainless Steel, Add	*467.93*	
		For Primed Steel, Deduct	*-320.62*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	4,635.13	230.19
		For Stainless Steel, Add	*541.49*	
		For Primed Steel, Deduct	*-348.10*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	4,975.76	230.19
		For Stainless Steel, Add	*610.22*	
		For Primed Steel, Deduct	*-368.24*	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	5,460.17	256.77
		For Stainless Steel, Add	*690.64*	
		For Primed Steel, Deduct	*-391.36*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	5,841.81	256.77
		For Stainless Steel, Add	*772.81*	
		For Primed Steel, Deduct	*-411.34*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	6,138.74	256.77
		For Stainless Steel, Add	*845.25*	
		For Primed Steel, Deduct	*-422.63*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe and Tube Railings *(05 52)*

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and one rail.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	38.85	11.13
		For Schedule 80 Handrail, Add	*5.43*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-3.65*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.15*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-5.48*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-6.47*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.10*	
		For Additional Off Set Handrail, ADA Attachment, Add	*14.41*	
		For Aluminum, Satin Finish, Add	*6.97*	
		For Aluminum, Clear Anodized Finish, Add	*10.79*	
		For Aluminum, Dark Anodized Finish, Add	*12.45*	
		For Galvanizing, Add	*6.64*	
		For Wrought Iron, Add	*3.89*	
		For Solid Steel Rails, Add	*7.77*	
		For 304 Stainless Steel, Add	*53.12*	
		For 316 Stainless Steel, Add	*59.76*	
		For 2" Wheel Guard, Add	*1.58*	
		For 4" High Kick Plate, Add	*2.08*	
		For 6" High Kick Plate, Add	*3.32*	
		For Curved Rail, Add	*16.64*	
		For Mounting On Stairs, Add	*11.66*	
		For Mounting On Slopes, Add	*3.89*	
		For Post Base Flange With Screws, Add Per Post	*19.73*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.84*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*13.86*	
		For Nylon Coating, Add	*2.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	41.71	11.13
		For Schedule 80 Handrail, Add	*8.74*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.28*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.87*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.42*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-7.59*	
		For ADA Handrail P-Loop End Return, Add Per Each	*95.56*	
		For Additional Off Set Handrail, ADA Attachment, Add	*16.13*	
		For Aluminum, Satin Finish, Add	*8.17*	
		For Aluminum, Clear Anodized Finish, Add	*12.65*	
		For Aluminum, Dark Anodized Finish, Add	*14.60*	
		For Galvanizing, Add	*7.78*	
		For Wrought Iron, Add	*4.17*	
		For Solid Steel Rails, Add	*8.34*	
		For 304 Stainless Steel, Add	*62.27*	
		For 316 Stainless Steel, Add	*70.06*	
		For 2" Wheel Guard, Add	*1.85*	
		For 4" High Kick Plate, Add	*2.43*	
		For 6" High Kick Plate, Add	*3.89*	
		For Curved Rail, Add	*18.35*	
		For Mounting On Stairs, Add	*12.51*	
		For Mounting On Slopes, Add	*4.17*	
		For Post Base Flange With Screws, Add Per Post	*19.73*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.84*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*15.29*	
		For Nylon Coating, Add	*2.92*	
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	44.57	11.13
		For Schedule 80 Handrail, Add	*8.74*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.91*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.58*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.37*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.70*	
		For ADA Handrail P-Loop End Return, Add Per Each	*107.84*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.84*	
		For Aluminum, Satin Finish, Add	*9.37*	
		For Aluminum, Clear Anodized Finish, Add	*14.51*	
		For Aluminum, Dark Anodized Finish, Add	*16.74*	
		For Galvanizing, Add	*8.93*	
		For Wrought Iron, Add	*4.46*	
		For Solid Steel Rails, Add	*8.91*	
		For 304 Stainless Steel, Add	*71.42*	
		For 316 Stainless Steel, Add	*80.35*	
		For 2" Wheel Guard, Add	*2.12*	
		For 4" High Kick Plate, Add	*2.79*	
		For 6" High Kick Plate, Add	*4.46*	
		For Curved Rail, Add	*20.07*	
		For Mounting On Stairs, Add	*13.37*	
		For Mounting On Slopes, Add	*4.46*	
		For Post Base Flange With Screws, Add Per Post	*19.73*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.84*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*16.72*	
		For Nylon Coating, Add	*3.35*	
05 52 13 00-0006	LF	2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	49.53	11.13
		For Schedule 80 Handrail, Add	*10.07*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.00*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.82*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.00*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.64*	
		For ADA Handrail P-Loop End Return, Add Per Each	*130.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*20.82*	
		For Aluminum, Satin Finish, Add	*11.46*	
		For Aluminum, Clear Anodized Finish, Add	*17.73*	
		For Aluminum, Dark Anodized Finish, Add	*20.46*	
		For Galvanizing, Add	*10.91*	
		For Wrought Iron, Add	*4.95*	
		For Solid Steel Rails, Add	*9.91*	
		For 304 Stainless Steel, Add	*87.30*	
		For 316 Stainless Steel, Add	*98.21*	
		For 2" Wheel Guard, Add	*2.59*	
		For 4" High Kick Plate, Add	*3.41*	
		For 6" High Kick Plate, Add	*5.46*	
		For Curved Rail, Add	*23.04*	
		For Mounting On Stairs, Add	*14.86*	
		For Mounting On Slopes, Add	*4.95*	
		For Post Base Flange With Screws, Add Per Post	*19.73*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.84*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*19.20*	
		For Nylon Coating, Add	*4.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	55.47	11.13
		For Schedule 80 Handrail, Add	*11.42*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.31*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.31*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.96*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.96*	
		For ADA Handrail P-Loop End Return, Add Per Each	*179.05*	
		For Additional Off Set Handrail, ADA Attachment, Add	*24.38*	
		For Aluminum, Satin Finish, Add	*13.95*	
		For Aluminum, Clear Anodized Finish, Add	*21.59*	
		For Aluminum, Dark Anodized Finish, Add	*24.92*	
		For Galvanizing, Add	*13.29*	
		For Wrought Iron, Add	*5.55*	
		For Solid Steel Rails, Add	*11.09*	
		For 304 Stainless Steel, Add	*106.30*	
		For 316 Stainless Steel, Add	*119.59*	
		For 2" Wheel Guard, Add	*3.16*	
		For 4" High Kick Plate, Add	*4.15*	
		For 6" High Kick Plate, Add	*6.64*	
		For Curved Rail, Add	*26.61*	
		For Mounting On Stairs, Add	*16.64*	
		For Mounting On Slopes, Add	*5.55*	
		For Post Base Flange With Screws, Add Per Post	*19.73*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.84*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*22.17*	
		For Nylon Coating, Add	*4.98*	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and two rails.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	51.29	11.13
		For Schedule 80 Handrail, Add	*5.43*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.39*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.26*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.58*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.33*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.10*	
		For Additional Off Set Handrail, ADA Attachment, Add	*14.41*	
		For Aluminum, Satin Finish, Add	*12.20*	
		For Aluminum, Clear Anodized Finish, Add	*18.88*	
		For Aluminum, Dark Anodized Finish, Add	*21.78*	
		For Galvanizing, Add	*11.62*	
		For Wrought Iron, Add	*5.13*	
		For Solid Steel Rails, Add	*10.26*	
		For 304 Stainless Steel, Add	*92.93*	
		For 316 Stainless Steel, Add	*104.54*	
		For 2" Wheel Guard, Add	*2.76*	
		For 4" High Kick Plate, Add	*3.63*	
		For 6" High Kick Plate, Add	*5.81*	
		For Curved Rail, Add	*24.10*	
		For Mounting On Stairs, Add	*15.39*	
		For Mounting On Slopes, Add	*5.13*	
		For Post Base Flange With Screws, Add Per Post	*19.73*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.84*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*20.08*	
		For Nylon Coating, Add	*4.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	56.30	11.13
		For Schedule 80 Handrail, Add	*8.74*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.49*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.51*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.24*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.28*	
		For ADA Handrail P-Loop End Return, Add Per Each	*95.56*	
		For Additional Off Set Handrail, ADA Attachment, Add	*16.13*	
		For Aluminum, Satin Finish, Add	*14.30*	
		For Aluminum, Clear Anodized Finish, Add	*22.13*	
		For Aluminum, Dark Anodized Finish, Add	*25.54*	
		For Galvanizing, Add	*13.62*	
		For Wrought Iron, Add	*5.63*	
		For Solid Steel Rails, Add	*11.26*	
		For 304 Stainless Steel, Add	*108.96*	
		For 316 Stainless Steel, Add	*122.58*	
		For 2" Wheel Guard, Add	*3.23*	
		For 4" High Kick Plate, Add	*4.26*	
		For 6" High Kick Plate, Add	*6.81*	
		For Curved Rail, Add	*27.11*	
		For Mounting On Stairs, Add	*16.89*	
		For Mounting On Slopes, Add	*5.63*	
		For Post Base Flange With Screws, Add Per Post	*19.73*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.84*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*22.59*	
		For Nylon Coating, Add	*5.11*	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	61.30	11.13
		For Schedule 80 Handrail, Add	*8.74*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.59*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.76*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.89*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.23*	
		For ADA Handrail P-Loop End Return, Add Per Each	*107.84*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.84*	
		For Aluminum, Satin Finish, Add	*16.40*	
		For Aluminum, Clear Anodized Finish, Add	*25.38*	
		For Aluminum, Dark Anodized Finish, Add	*29.29*	
		For Galvanizing, Add	*15.62*	
		For Wrought Iron, Add	*6.13*	
		For Solid Steel Rails, Add	*12.26*	
		For 304 Stainless Steel, Add	*124.96*	
		For 316 Stainless Steel, Add	*140.58*	
		For 2" Wheel Guard, Add	*3.71*	
		For 4" High Kick Plate, Add	*4.88*	
		For 6" High Kick Plate, Add	*7.81*	
		For Curved Rail, Add	*30.11*	
		For Mounting On Stairs, Add	*18.39*	
		For Mounting On Slopes, Add	*6.13*	
		For Post Base Flange With Screws, Add Per Post	*19.73*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.84*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*25.09*	
		For Nylon Coating, Add	*5.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	69.98	11.13
		For Schedule 80 Handrail, Add	*10.07*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-10.50*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.93*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-15.75*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-18.61*	
		For ADA Handrail P-Loop End Return, Add Per Each	*130.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*20.82*	
		For Aluminum, Satin Finish, Add	*20.05*	
		For Aluminum, Clear Anodized Finish, Add	*31.02*	
		For Aluminum, Dark Anodized Finish, Add	*35.80*	
		For Galvanizing, Add	*19.09*	
		For Wrought Iron, Add	*7.00*	
		For Solid Steel Rails, Add	*14.00*	
		For 304 Stainless Steel, Add	*152.74*	
		For 316 Stainless Steel, Add	*171.83*	
		For 2" Wheel Guard, Add	*4.53*	
		For 4" High Kick Plate, Add	*5.97*	
		For 6" High Kick Plate, Add	*9.55*	
		For Curved Rail, Add	*35.31*	
		For Mounting On Stairs, Add	*20.99*	
		For Mounting On Slopes, Add	*7.00*	
		For Post Base Flange With Screws, Add Per Post	*19.73*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.84*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*29.43*	
		For Nylon Coating, Add	*7.16*	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	80.38	11.13
		For Schedule 80 Handrail, Add	*11.42*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*135.40*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-12.79*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-14.53*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-19.18*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-22.67*	
		For ADA Handrail P-Loop End Return, Add Per Each	*179.05*	
		For Additional Off Set Handrail, ADA Attachment, Add	*24.38*	
		For Aluminum, Satin Finish, Add	*24.41*	
		For Aluminum, Clear Anodized Finish, Add	*37.78*	
		For Aluminum, Dark Anodized Finish, Add	*43.60*	
		For Galvanizing, Add	*23.25*	
		For Wrought Iron, Add	*8.04*	
		For Solid Steel Rails, Add	*16.08*	
		For 304 Stainless Steel, Add	*186.02*	
		For 316 Stainless Steel, Add	*209.27*	
		For 2" Wheel Guard, Add	*5.52*	
		For 4" High Kick Plate, Add	*7.27*	
		For 6" High Kick Plate, Add	*11.63*	
		For Curved Rail, Add	*41.55*	
		For Mounting On Stairs, Add	*24.11*	
		For Mounting On Slopes, Add	*8.04*	
		For Post Base Flange With Screws, Add Per Post	*19.73*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.84*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*34.63*	
		For Nylon Coating, Add	*8.72*	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and three rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	80.06	13.35
		For Schedule 80 Handrail, Add	*7.81*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.74*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-13.34*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.61*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.81*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.10*	
		For Additional Off Set Handrail, ADA Attachment, Add	*15.30*	
		For Aluminum, Satin Finish, Add	*22.41*	
		For Aluminum, Clear Anodized Finish, Add	*34.68*	
		For Aluminum, Dark Anodized Finish, Add	*40.02*	
		For Galvanizing, Add	*21.34*	
		For Wrought Iron, Add	*8.01*	
		For Solid Steel Rails, Add	*16.01*	
		For 304 Stainless Steel, Add	*170.75*	
		For 316 Stainless Steel, Add	*192.10*	
		For 2" Wheel Guard, Add	*5.07*	
		For 4" High Kick Plate, Add	*6.67*	
		For 6" High Kick Plate, Add	*10.67*	
		For Curved Rail, Add	*40.03*	
		For Mounting On Stairs, Add	*24.02*	
		For Mounting On Slopes, Add	*8.01*	
		For Post Base Flange With Screws, Add Per Post	*20.17*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.51*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*33.36*	
		For Nylon Coating, Add	*8.00*	
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	89.25	13.35
		For Schedule 80 Handrail, Add	*12.22*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-13.76*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-15.64*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-20.64*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-24.39*	
		For ADA Handrail P-Loop End Return, Add Per Each	*95.56*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.02*	
		For Aluminum, Satin Finish, Add	*26.27*	
		For Aluminum, Clear Anodized Finish, Add	*40.66*	
		For Aluminum, Dark Anodized Finish, Add	*46.91*	
		For Galvanizing, Add	*25.02*	
		For Wrought Iron, Add	*8.93*	
		For Solid Steel Rails, Add	*17.85*	
		For 304 Stainless Steel, Add	*200.16*	
		For 316 Stainless Steel, Add	*225.18*	
		For 2" Wheel Guard, Add	*5.94*	
		For 4" High Kick Plate, Add	*7.82*	
		For 6" High Kick Plate, Add	*12.51*	
		For Curved Rail, Add	*45.54*	
		For Mounting On Stairs, Add	*26.78*	
		For Mounting On Slopes, Add	*8.93*	
		For Post Base Flange With Screws, Add Per Post	*20.17*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.51*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*37.95*	
		For Nylon Coating, Add	*9.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	98.44	13.35
		For Schedule 80 Handrail, Add	*12.22*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-15.78*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-17.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-23.67*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-27.98*	
		For ADA Handrail P-Loop End Return, Add Per Each	*107.84*	
		For Additional Off Set Handrail, ADA Attachment, Add	*18.73*	
		For Aluminum, Satin Finish, Add	*30.13*	
		For Aluminum, Clear Anodized Finish, Add	*46.63*	
		For Aluminum, Dark Anodized Finish, Add	*53.81*	
		For Galvanizing, Add	*28.70*	
		For Wrought Iron, Add	*9.84*	
		For Solid Steel Rails, Add	*19.69*	
		For 304 Stainless Steel, Add	*229.57*	
		For 316 Stainless Steel, Add	*258.26*	
		For 2" Wheel Guard, Add	*6.82*	
		For 4" High Kick Plate, Add	*8.97*	
		For 6" High Kick Plate, Add	*14.35*	
		For Curved Rail, Add	*51.05*	
		For Mounting On Stairs, Add	*29.53*	
		For Mounting On Slopes, Add	*9.84*	
		For Post Base Flange With Screws, Add Per Post	*20.17*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.51*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*42.55*	
		For Nylon Coating, Add	*10.76*	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	114.41	13.35
		For Schedule 80 Handrail, Add	*14.00*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-19.30*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-21.93*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-28.94*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-34.21*	
		For ADA Handrail P-Loop End Return, Add Per Each	*130.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*21.71*	
		For Aluminum, Satin Finish, Add	*36.84*	
		For Aluminum, Clear Anodized Finish, Add	*57.01*	
		For Aluminum, Dark Anodized Finish, Add	*65.78*	
		For Galvanizing, Add	*35.08*	
		For Wrought Iron, Add	*11.44*	
		For Solid Steel Rails, Add	*22.88*	
		For 304 Stainless Steel, Add	*280.67*	
		For 316 Stainless Steel, Add	*315.76*	
		For 2" Wheel Guard, Add	*8.33*	
		For 4" High Kick Plate, Add	*10.96*	
		For 6" High Kick Plate, Add	*17.54*	
		For Curved Rail, Add	*60.64*	
		For Mounting On Stairs, Add	*34.32*	
		For Mounting On Slopes, Add	*11.44*	
		For Post Base Flange With Screws, Add Per Post	*20.17*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.51*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*50.53*	
		For Nylon Coating, Add	*13.16*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	133.43	13.35
		For Schedule 80 Handrail, Add	*15.80*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*135.40*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-23.48*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-26.68*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-35.22*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-41.62*	
		For ADA Handrail P-Loop End Return, Add Per Each	*179.05*	
		For Additional Off Set Handrail, ADA Attachment, Add	*25.27*	
		For Aluminum, Satin Finish, Add	*44.83*	
		For Aluminum, Clear Anodized Finish, Add	*69.37*	
		For Aluminum, Dark Anodized Finish, Add	*80.05*	
		For Galvanizing, Add	*42.69*	
		For Wrought Iron, Add	*13.34*	
		For Solid Steel Rails, Add	*26.69*	
		For 304 Stainless Steel, Add	*341.54*	
		For 316 Stainless Steel, Add	*384.23*	
		For 2" Wheel Guard, Add	*10.14*	
		For 4" High Kick Plate, Add	*13.34*	
		For 6" High Kick Plate, Add	*21.35*	
		For Curved Rail, Add	*72.05*	
		For Mounting On Stairs, Add	*40.03*	
		For Mounting On Slopes, Add	*13.34*	
		For Post Base Flange With Screws, Add Per Post	*20.17*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.51*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*60.04*	
		For Nylon Coating, Add	*16.01*	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and four rails.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	96.65	15.57
		For Schedule 80 Handrail, Add	*10.48*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-14.41*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-16.37*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-21.61*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-25.54*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.10*	
		For Additional Off Set Handrail, ADA Attachment, Add	*16.19*	
		For Aluminum, Satin Finish, Add	*27.51*	
		For Aluminum, Clear Anodized Finish, Add	*42.57*	
		For Aluminum, Dark Anodized Finish, Add	*49.12*	
		For Galvanizing, Add	*26.20*	
		For Wrought Iron, Add	*9.67*	
		For Solid Steel Rails, Add	*19.33*	
		For 304 Stainless Steel, Add	*209.57*	
		For 316 Stainless Steel, Add	*235.76*	
		For 2" Wheel Guard, Add	*6.22*	
		For 4" High Kick Plate, Add	*8.19*	
		For 6" High Kick Plate, Add	*13.10*	
		For Curved Rail, Add	*48.64*	
		For Mounting On Stairs, Add	*29.00*	
		For Mounting On Slopes, Add	*9.67*	
		For Post Base Flange With Screws, Add Per Post	*20.62*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.17*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*40.54*	
		For Nylon Coating, Add	*9.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	104.81	15.57
		For Schedule 80 Handrail, Add	*15.98*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-16.20*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-18.41*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-24.30*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.72*	
		For ADA Handrail P-Loop End Return, Add Per Each	*95.56*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.91*	
		For Aluminum, Satin Finish, Add	*30.93*	
		For Aluminum, Clear Anodized Finish, Add	*47.87*	
		For Aluminum, Dark Anodized Finish, Add	*55.24*	
		For Galvanizing, Add	*29.46*	
		For Wrought Iron, Add	*10.48*	
		For Solid Steel Rails, Add	*20.96*	
		For 304 Stainless Steel, Add	*235.68*	
		For 316 Stainless Steel, Add	*265.14*	
		For 2" Wheel Guard, Add	*7.00*	
		For 4" High Kick Plate, Add	*9.21*	
		For 6" High Kick Plate, Add	*14.73*	
		For Curved Rail, Add	*53.54*	
		For Mounting On Stairs, Add	*31.44*	
		For Mounting On Slopes, Add	*10.48*	
		For Post Base Flange With Screws, Add Per Post	*20.62*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.17*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*44.62*	
		For Nylon Coating, Add	*11.05*	
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	112.97	15.57
		For Schedule 80 Handrail, Add	*15.98*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-18.00*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-20.45*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-27.00*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-31.91*	
		For ADA Handrail P-Loop End Return, Add Per Each	*107.84*	
		For Additional Off Set Handrail, ADA Attachment, Add	*19.62*	
		For Aluminum, Satin Finish, Add	*34.36*	
		For Aluminum, Clear Anodized Finish, Add	*53.18*	
		For Aluminum, Dark Anodized Finish, Add	*61.36*	
		For Galvanizing, Add	*32.72*	
		For Wrought Iron, Add	*11.30*	
		For Solid Steel Rails, Add	*22.59*	
		For 304 Stainless Steel, Add	*261.79*	
		For 316 Stainless Steel, Add	*294.52*	
		For 2" Wheel Guard, Add	*7.77*	
		For 4" High Kick Plate, Add	*10.23*	
		For 6" High Kick Plate, Add	*16.36*	
		For Curved Rail, Add	*58.43*	
		For Mounting On Stairs, Add	*33.89*	
		For Mounting On Slopes, Add	*11.30*	
		For Post Base Flange With Screws, Add Per Post	*20.62*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.17*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*48.70*	
		For Nylon Coating, Add	*12.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	131.14	15.57
		For Schedule 80 Handrail, Add	*18.21*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-22.00*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-25.00*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-32.99*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-38.99*	
		For ADA Handrail P-Loop End Return, Add Per Each	*130.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*22.60*	
		For Aluminum, Satin Finish, Add	*41.99*	
		For Aluminum, Clear Anodized Finish, Add	*64.99*	
		For Aluminum, Dark Anodized Finish, Add	*74.99*	
		For Galvanizing, Add	*39.99*	
		For Wrought Iron, Add	*13.11*	
		For Solid Steel Rails, Add	*26.23*	
		For 304 Stainless Steel, Add	*319.94*	
		For 316 Stainless Steel, Add	*359.93*	
		For 2" Wheel Guard, Add	*9.50*	
		For 4" High Kick Plate, Add	*12.50*	
		For 6" High Kick Plate, Add	*20.00*	
		For Curved Rail, Add	*69.34*	
		For Mounting On Stairs, Add	*39.34*	
		For Mounting On Slopes, Add	*13.11*	
		For Post Base Flange With Screws, Add Per Post	*20.62*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.17*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*57.78*	
		For Nylon Coating, Add	*15.00*	
05 52 13 00-0025	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	152.44	15.57
		For Schedule 80 Handrail, Add	*20.46*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*135.40*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-26.68*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-30.32*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-40.02*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-47.30*	
		For ADA Handrail P-Loop End Return, Add Per Each	*179.05*	
		For Additional Off Set Handrail, ADA Attachment, Add	*26.16*	
		For Aluminum, Satin Finish, Add	*50.94*	
		For Aluminum, Clear Anodized Finish, Add	*78.83*	
		For Aluminum, Dark Anodized Finish, Add	*90.96*	
		For Galvanizing, Add	*48.51*	
		For Wrought Iron, Add	*15.24*	
		For Solid Steel Rails, Add	*30.49*	
		For 304 Stainless Steel, Add	*388.10*	
		For 316 Stainless Steel, Add	*436.61*	
		For 2" Wheel Guard, Add	*11.52*	
		For 4" High Kick Plate, Add	*15.16*	
		For 6" High Kick Plate, Add	*24.26*	
		For Curved Rail, Add	*82.12*	
		For Mounting On Stairs, Add	*45.73*	
		For Mounting On Slopes, Add	*15.24*	
		For Post Base Flange With Screws, Add Per Post	*20.62*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.17*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*68.43*	
		For Nylon Coating, Add	*18.19*	

05 52 13 00-0026 Railing Infill Panels *(05 52 13)*
Note: Includes field welds and touch-up of welds.

05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels *(05 52 13 00-0026)*
Note: Square weave or square welded wire mesh.

05 52 13 00-0028	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.42
05 52 13 00-0029	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	17.22	
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	29.11	

05 52 13 00-0032 Perforated Metal, Railing Infill Panels *(05 52 13 00-0026)*

05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	15.12	
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	15.64	
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel	16.74	
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	33.59	

05 52 13 00-0037 Expanded Metal, Railing Infill Panels *(05 52 13 00-0026)*

05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel	6.82	
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	13.94	
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel	18.31	
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel	27.29	

05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0043	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	38.92	6.68
		For Schedule 80 Handrail, Add	*2.83*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.89*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.56*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.34*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.67*	
		For Stainless Steel, Add	*44.46*	
		For Aluminum, Satin Finish, Add	*9.34*	
		For Curved Rail, Add	*11.68*	
		For Aluminum, Clear Anodized Finish, Add	*14.45*	
		For Aluminum, Dark Anodized Finish, Add	*16.67*	
		For Galvanized Finish, Add	*6.67*	
05 52 13 00-0044	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.64	6.68
		For Schedule 80 Handrail, Add	*3.37*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.05*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.74*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.57*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.95*	
		For Stainless Steel, Add	*45.90*	
		For Aluminum, Satin Finish, Add	*9.64*	
		For Curved Rail, Add	*11.89*	
		For Aluminum, Clear Anodized Finish, Add	*14.92*	
		For Aluminum, Dark Anodized Finish, Add	*17.21*	
		For Galvanized Finish, Add	*6.89*	
05 52 13 00-0045	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	40.36	6.68
		For Schedule 80 Handrail, Add	*10.72*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.21*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.92*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.81*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.23*	
		For Stainless Steel, Add	*47.34*	
		For Aluminum, Satin Finish, Add	*9.94*	
		For Curved Rail, Add	*12.11*	
		For Aluminum, Clear Anodized Finish, Add	*15.39*	
		For Aluminum, Dark Anodized Finish, Add	*17.75*	
		For Galvanized Finish, Add	*7.10*	
05 52 13 00-0046	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.60	6.68
		For Schedule 80 Handrail, Add	*4.38*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.02*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.98*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.53*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.44*	
		For Stainless Steel, Add	*63.82*	
		For Aluminum, Satin Finish, Add	*13.40*	
		For Curved Rail, Add	*14.58*	
		For Aluminum, Clear Anodized Finish, Add	*20.74*	
		For Aluminum, Dark Anodized Finish, Add	*23.93*	
		For Galvanized Finish, Add	*9.57*	
05 52 13 00-0047	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	55.42	6.68
		For Schedule 80 Handrail, Add	*4.83*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.52*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.68*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.78*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.10*	
		For Stainless Steel, Add	*77.46*	
		For Aluminum, Satin Finish, Add	*16.27*	
		For Curved Rail, Add	*16.63*	
		For Aluminum, Clear Anodized Finish, Add	*25.17*	
		For Aluminum, Dark Anodized Finish, Add	*29.05*	
		For Galvanized Finish, Add	*11.62*	

05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0049	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	47.35	7.01
		For Schedule 80 Handrail, Add	*2.83*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.75*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.67*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.12*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.96*	
		For Stainless Steel, Add	*61.32*	
		For Aluminum, Satin Finish, Add	*12.88*	
		For Curved Rail, Add	*14.21*	
		For Aluminum, Clear Anodized Finish, Add	*19.93*	
		For Aluminum, Dark Anodized Finish, Add	*23.00*	
		For Galvanized Finish, Add	*9.20*	
05 52 13 00-0050	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.35	7.01
		For Schedule 80 Handrail, Add	*3.37*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.97*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.92*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.45*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.35*	
		For Stainless Steel, Add	*63.32*	
		For Aluminum, Satin Finish, Add	*13.30*	
		For Curved Rail, Add	*14.51*	
		For Aluminum, Clear Anodized Finish, Add	*20.58*	
		For Aluminum, Dark Anodized Finish, Add	*23.75*	
		For Galvanized Finish, Add	*9.50*	
05 52 13 00-0051	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.11	7.01
		For Schedule 80 Handrail, Add	*10.72*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.13*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.11*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.70*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.64*	
		For Stainless Steel, Add	*64.84*	
		For Aluminum, Satin Finish, Add	*13.62*	
		For Curved Rail, Add	*14.73*	
		For Aluminum, Clear Anodized Finish, Add	*21.07*	
		For Aluminum, Dark Anodized Finish, Add	*24.32*	
		For Galvanized Finish, Add	*9.73*	
05 52 13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	60.62	7.01
		For Schedule 80 Handrail, Add	*4.38*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.66*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-10.98*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.50*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-17.13*	
		For Stainless Steel, Add	*87.86*	
		For Aluminum, Satin Finish, Add	*18.45*	
		For Curved Rail, Add	*18.19*	
		For Aluminum, Clear Anodized Finish, Add	*28.55*	
		For Aluminum, Dark Anodized Finish, Add	*32.95*	
		For Galvanized Finish, Add	*13.18*	
05 52 13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	68.15	7.01
		For Schedule 80 Handrail, Add	*4.83*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.32*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.87*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-16.98*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.07*	
		For Stainless Steel, Add	*102.92*	
		For Aluminum, Satin Finish, Add	*21.61*	
		For Curved Rail, Add	*20.45*	
		For Aluminum, Clear Anodized Finish, Add	*33.45*	
		For Aluminum, Dark Anodized Finish, Add	*38.60*	
		For Galvanized Finish, Add	*15.44*	

05 52 13 00-0054 Remove/Reinstall Pipe Railing *(05 52 13)*

05 52 13 00-0055	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	25.04	
05 52 13 00-0056	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	33.35	
05 52 13 00-0057	EA	Install New Galvanized Steel Pipe Railing Bracket	67.28	
		For Stainless Steel, Add	*67.80*	

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating *(05 53 13 00-0001)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	14.28	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.01*	
		For 304 Stainless Steel, Add	*37.97*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.45*	
		For Crossbars At 2" On-Center, Add	*1.28*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	19.18	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.84*	
		For 304 Stainless Steel, Add	*53.70*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.89*	
		For Crossbars At 2" On-Center, Add	*1.81*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.06*	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	17.43	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.55*	
		For 304 Stainless Steel, Add	*48.09*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.37*	
		For Crossbars At 2" On-Center, Add	*1.62*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.02*	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	24.08	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.68*	
		For 304 Stainless Steel, Add	*69.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.32*	
		For Crossbars At 2" On-Center, Add	*2.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.18*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	30.72	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.81*	
		For 304 Stainless Steel, Add	*90.75*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*8.25*	
		For Crossbars At 2" On-Center, Add	*3.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.35*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	20.61	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.09*	
		For 304 Stainless Steel, Add	*58.29*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*5.30*	
		For Crossbars At 2" On-Center, Add	*1.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.10*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	28.69	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.46*	
		For 304 Stainless Steel, Add	*84.23*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.66*	
		For Crossbars At 2" On-Center, Add	*2.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.30*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	23.80	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.63*	
		For 304 Stainless Steel, Add	*68.53*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.23*	
		For Crossbars At 2" On-Center, Add	*2.31*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.18*	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	34.11	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.29*	
		For 304 Stainless Steel, Add	*99.86*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.08*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.79*	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	44.22	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.01*	
		For 304 Stainless Steel, Add	*132.32*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.04*	
		For Crossbars At 2" On-Center, Add	*4.45*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.04*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	39.04	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.13*	
		For 304 Stainless Steel, Add	*115.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.52*	
		For Crossbars At 2" On-Center, Add	*3.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	43.66	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*130.52*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*11.87*	
		For Crossbars At 2" On-Center, Add	*4.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.03*	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	48.56	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.75*	
		For 304 Stainless Steel, Add	*146.25*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*13.30*	
		For Crossbars At 2" On-Center, Add	*4.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.15*	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	53.18	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.53*	
		For 304 Stainless Steel, Add	*161.08*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*14.65*	
		For Crossbars At 2" On-Center, Add	*5.42*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.26*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	27.12	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.05*	
		For 304 Stainless Steel, Add	*46.16*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.20*	
		For Crossbars At 2" On-Center, Add	*2.66*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.26*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	33.42	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.42*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	29.81	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.49*	
		For 304 Stainless Steel, Add	*51.19*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.99*	
		For Crossbars At 2" On-Center, Add	*2.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.33*	
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	40.63	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.26*	
		For 304 Stainless Steel, Add	*71.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*55.36*	
		For Bearing Bars At 15/16" On-Center, Add	*11.15*	
		For Crossbars At 2" On-Center, Add	*4.12*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.60*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	33.42	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	45.63	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.08*	
		For 304 Stainless Steel, Add	*80.79*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.61*	
		For Crossbars At 2" On-Center, Add	*4.66*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.72*	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	37.20	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.70*	
		For 304 Stainless Steel, Add	*65.02*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.15*	
		For Crossbars At 2" On-Center, Add	*3.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.51*	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	51.43	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.94*	
		For 304 Stainless Steel, Add	*90.61*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*70.22*	
		For Bearing Bars At 15/16" On-Center, Add	*14.14*	
		For Crossbars At 2" On-Center, Add	*5.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.22*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	56.71	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.81*	
		For 304 Stainless Steel, Add	*100.49*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*15.68*	
		For Crossbars At 2" On-Center, Add	*5.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.35*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	61.02	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*9.52*	
		For 304 Stainless Steel, Add	*108.56*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*16.94*	
		For Crossbars At 2" On-Center, Add	*6.27*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.46*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	65.15	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.19*	
		For 304 Stainless Steel, Add	*116.28*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*18.15*	
		For Crossbars At 2" On-Center, Add	*6.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.56*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	68.72	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.78*	
		For 304 Stainless Steel, Add	*122.96*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*19.19*	
		For Crossbars At 2" On-Center, Add	*7.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.65*	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	17.23	1.22
		For Bearing Bars At 15/16" On-Center, Add	*4.32*	
		For Crossbars At 2" On-Center, Add	*1.60*	
		For Set In Place Without Bolting, Deduct	*-2.01*	
		For Powder Coating, Add	*2.22*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	23.29	1.22
		For Bearing Bars At 15/16" On-Center, Add	*6.09*	
		For Crossbars At 2" On-Center, Add	*2.25*	
		For Set In Place Without Bolting, Deduct	*-2.16*	
		For Powder Coating, Add	*3.13*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	21.99	1.22
		For Bearing Bars At 15/16" On-Center, Add	*5.71*	
		For Crossbars At 2" On-Center, Add	*2.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.13*	
		For Powder Coating, Add	*2.93*	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	29.83	1.22
		For Bearing Bars At 7/16" On-Center, Add	*39.70*	
		For Bearing Bars At 15/16" On-Center, Add	*7.99*	
		For Crossbars At 2" On-Center, Add	*2.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.33*	
		For Powder Coating, Add	*4.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	25.44	1.22
		For Bearing Bars At 15/16" On-Center, Add	*6.71*	
		For Crossbars At 2" On-Center, Add	*2.48*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.22*	
		For Powder Coating, Add	*3.45*	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	33.98	1.22
		For Bearing Bars At 15/16" On-Center, Add	*9.21*	
		For Crossbars At 2" On-Center, Add	*3.41*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.43*	
		For Powder Coating, Add	*4.73*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	28.68	1.22
		For Bearing Bars At 15/16" On-Center, Add	*7.66*	
		For Crossbars At 2" On-Center, Add	*2.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.30*	
		For Powder Coating, Add	*3.93*	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	38.26	1.22
		For Bearing Bars At 7/16" On-Center, Add	*51.92*	
		For Bearing Bars At 15/16" On-Center, Add	*10.46*	
		For Crossbars At 2" On-Center, Add	*3.87*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.54*	
		For Powder Coating, Add	*5.37*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	42.36	1.22
		For Bearing Bars At 15/16" On-Center, Add	*11.65*	
		For Crossbars At 2" On-Center, Add	*4.31*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.64*	
		For Powder Coating, Add	*5.99*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	47.22	1.22
		For Bearing Bars At 15/16" On-Center, Add	*13.07*	
		For Crossbars At 2" On-Center, Add	*4.84*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.76*	
		For Powder Coating, Add	*6.72*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	51.04	1.22
		For Bearing Bars At 15/16" On-Center, Add	*14.19*	
		For Crossbars At 2" On-Center, Add	*5.25*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.86*	
		For Powder Coating, Add	*7.29*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	55.58	1.22
		For Bearing Bars At 15/16" On-Center, Add	*15.51*	
		For Crossbars At 2" On-Center, Add	*5.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.97*	
		For Powder Coating, Add	*7.97*	

05 53 13 00-0044 Swage Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	44.48	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.87*	
		For 304 Stainless Steel, Add	*69.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*26.90*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.69*	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	49.66	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.34*	
		For 304 Stainless Steel, Add	*78.27*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*30.21*	
		For Crossbars At 2" On-Center, Add	*3.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.82*	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	54.26	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.72*	
		For 304 Stainless Steel, Add	*84.99*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*32.81*	
		For Crossbars At 2" On-Center, Add	*4.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	62.21	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.45*	
		For 304 Stainless Steel, Add	*98.17*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*37.89*	
		For Crossbars At 2" On-Center, Add	*4.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.49*	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	70.19	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.18*	
		For 304 Stainless Steel, Add	*111.40*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*43.00*	
		For Crossbars At 2" On-Center, Add	*5.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.69*	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	78.13	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*124.57*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*48.08*	
		For Crossbars At 2" On-Center, Add	*6.01*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.89*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	86.11	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.65*	
		For 304 Stainless Steel, Add	*137.80*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*53.19*	
		For Crossbars At 2" On-Center, Add	*6.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.09*	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	20.32	1.22
		For Bearing Bars At 15/16" On-Center, Add	*11.44*	
		For Crossbars At 2" On-Center, Add	*1.43*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.09*	
		For Powder Coating, Add	*2.68*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	26.30	1.22
		For Bearing Bars At 15/16" On-Center, Add	*15.26*	
		For Crossbars At 2" On-Center, Add	*1.91*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.24*	
		For Powder Coating, Add	*3.58*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	23.01	1.22
		For Bearing Bars At 15/16" On-Center, Add	*13.16*	
		For Crossbars At 2" On-Center, Add	*1.64*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.16*	
		For Powder Coating, Add	*3.08*	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	30.32	1.22
		For Bearing Bars At 15/16" On-Center, Add	*17.84*	
		For Crossbars At 2" On-Center, Add	*2.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.34*	
		For Powder Coating, Add	*4.18*	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	26.19	1.22
		For Bearing Bars At 15/16" On-Center, Add	*15.19*	
		For Crossbars At 2" On-Center, Add	*1.90*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.24*	
		For Powder Coating, Add	*3.56*	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	34.63	1.22
		For Bearing Bars At 15/16" On-Center, Add	*20.60*	
		For Crossbars At 2" On-Center, Add	*2.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.45*	
		For Powder Coating, Add	*4.83*	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	39.59	1.22
		For Bearing Bars At 15/16" On-Center, Add	*23.77*	
		For Crossbars At 2" On-Center, Add	*2.97*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.57*	
		For Powder Coating, Add	*5.57*	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	44.53	1.22
		For Bearing Bars At 15/16" On-Center, Add	*26.93*	
		For Crossbars At 2" On-Center, Add	*3.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.69*	
		For Powder Coating, Add	*6.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	49.49	1.22
		For Bearing Bars At 15/16" On-Center, Add	*30.11*	
		For Crossbars At 2" On-Center, Add	*3.76*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.82*	
		For Powder Coating, Add	*7.06*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	54.43	1.22
		For Bearing Bars At 15/16" On-Center, Add	*33.27*	
		For Crossbars At 2" On-Center, Add	*4.16*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.94*	
		For Powder Coating, Add	*7.80*	

05 53 13 00-0064 Riveted Grating *(05 53 13)*

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

05 53 13 00-0065 Steel, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.

05 53 13 00-0066	SF	3/4" x 1/8", 7.0 Lb./SF, Steel, Riveted Grating	84.65	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.95*	
		For 304 Stainless Steel, Add	*70.61*	
		For 5/8" Clear Opening, Add	*28.36*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.70*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 Lb./SF, Steel, Riveted Grating	99.70	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.67*	
		For 304 Stainless Steel, Add	*83.54*	
		For 5/8" Clear Opening, Add	*33.55*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.07*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 Lb./SF, Steel, Riveted Grating	91.58	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.28*	
		For 304 Stainless Steel, Add	*76.56*	
		For 5/8" Clear Opening, Add	*30.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.87*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 Lb./SF, Steel, Riveted Grating	105.43	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.94*	
		For 304 Stainless Steel, Add	*88.46*	
		For 5/8" Clear Opening, Add	*35.53*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.22*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 Lb./SF, Steel, Riveted Grating	97.32	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.55*	
		For 304 Stainless Steel, Add	*81.49*	
		For 5/8" Clear Opening, Add	*32.73*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.01*	
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 Lb./SF, Steel, Riveted Grating	116.11	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.46*	
		For 304 Stainless Steel, Add	*97.63*	
		For 5/8" Clear Opening, Add	*39.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.48*	
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 Lb./SF, Steel, Riveted Grating	103.39	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.82*	
		For 304 Stainless Steel, Add	*86.24*	
		For 5/8" Clear Opening, Add	*34.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.52*	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 Lb./SF, Steel, Riveted Grating	123.48	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.78*	
		For 304 Stainless Steel, Add	*103.49*	
		For 5/8" Clear Opening, Add	*41.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.02*	
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 Lb./SF, Steel, Riveted Grating	133.73	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.28*	
		For 304 Stainless Steel, Add	*112.30*	
		For 5/8" Clear Opening, Add	*45.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.28*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 Lb./SF, Steel, Riveted Grating	156.62	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.37*	
		For 304 Stainless Steel, Add	*131.96*	
		For 5/8" Clear Opening, Add	*53.00*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 Lb./SF, Steel, Riveted Grating	164.60	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.76*	
		For 304 Stainless Steel, Add	*138.81*	
		For 5/8" Clear Opening, Add	*55.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.05*	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 Lb./SF, Steel, Riveted Grating	171.70	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.10*	
		For 304 Stainless Steel, Add	*144.91*	
		For 5/8" Clear Opening, Add	*58.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.23*	

05 53 13 00-0078 Aluminum, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted in place and in all sizes.

05 53 13 00-0079	SF	3/4" x 1/8", 2.4 Lb./SF, Aluminum, Riveted Grating	43.25	1.22
		For 5/8" Clear Opening, Add	*14.08*	
		For Powder Coating, Add	*6.12*	
		For Set In Place Without Bolting, Deduct	*-2.66*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 Lb./SF, Aluminum, Riveted Grating	51.32	1.22
		For 5/8" Clear Opening, Add	*16.86*	
		For Powder Coating, Add	*7.33*	
		For Set In Place Without Bolting, Deduct	*-2.86*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 Lb./SF, Aluminum, Riveted Grating	47.56	1.22
		For 5/8" Clear Opening, Add	*15.56*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*6.77*	
		For Set In Place Without Bolting, Deduct	*-2.77*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 Lb./SF, Aluminum, Riveted Grating	55.45	1.22
		For 5/8" Clear Opening, Add	*18.29*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.95*	
		For Set In Place Without Bolting, Deduct	*-2.97*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 Lb./SF, Aluminum, Riveted Grating	53.33	1.22
		For 5/8" Clear Opening, Add	*17.55*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.63*	
		For Set In Place Without Bolting, Deduct	*-2.91*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 Lb./SF, Aluminum, Riveted Grating	64.28	1.22
		For 5/8" Clear Opening, Add	*21.33*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*9.27*	
		For Set In Place Without Bolting, Deduct	*-3.19*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 Lb./SF, Aluminum, Riveted Grating	57.28	1.22
		For 5/8" Clear Opening, Add	*18.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*8.22*	
		For Set In Place Without Bolting, Deduct	*-3.01*	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 Lb./SF, Aluminum, Riveted Grating	71.17	1.22
		For 5/8" Clear Opening, Add	*23.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*10.31*	
		For Set In Place Without Bolting, Deduct	*-3.36*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 Lb./SF, Aluminum, Riveted Grating	78.46	1.22
		For 5/8" Clear Opening, Add	*26.22*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*11.40*	
		For Set In Place Without Bolting, Deduct	*-3.54*	
05 53 13 00-0088	SF	2" x 3/16", 5.8 Lb./SF, Aluminum, Riveted Grating	93.43	1.22
		For 5/8" Clear Opening, Add	*31.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*13.65*	
		For Set In Place Without Bolting, Deduct	*-3.92*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 Lb./SF, Aluminum, Riveted Grating	101.92	1.22
		For 5/8" Clear Opening, Add	*34.32*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*14.92*	
		For Set In Place Without Bolting, Deduct	*-4.13*	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 Lb./SF, Aluminum, Riveted Grating	113.31	1.22
		For 5/8" Clear Opening, Add	*38.25*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*16.63*	
		For Set In Place Without Bolting, Deduct	*-4.41*	

05 54 Metal Floor Plates *(05 50)*

05 54 00 00-0001 Steel Floor Plates *(05 54)*

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	19.94	1.45
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	22.83	1.45
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	28.66	1.45
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	38.37	1.55
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	48.82	1.67

05 54 00 00-0007 Aluminum Alloy Floor Plates *(05 54)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	31.05	1.22
		For Powder Coating, Add	*4.29*	
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	35.63	1.45
		For Powder Coating, Add	*4.93*	
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	40.23	1.55
		For Powder Coating, Add	*5.57*	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates *(05 54)*

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	39.24	1.67
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	46.91	1.89
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	60.79	2.22

05 55 Metal Stair Treads and Nosings *(05 50)*

05 55 13 Metal Stair Treads *(05 55)*

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	75.65	7.46
		For 3/8" Thick, Add	*15.93*	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	83.25	7.46
		For 3/8" Thick, Add	*17.83*	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	90.84	7.46
		For 3/8" Thick, Add	*19.73*	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	98.47	7.46
		For 3/8" Thick, Add	*21.63*	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	106.03	7.46
		For 3/8" Thick, Add	*23.52*	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	105.14	7.46
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	116.41	7.46
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	127.70	7.46
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	138.96	7.46
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	150.25	7.46

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	40.08	7.46
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	46.97	7.46
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	50.01	7.46

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	59.10	7.46
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
		For Two Color Tread, Add	*3.59*	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	59.67	7.46
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
		For Two Color Tread, Add	*3.59*	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	72.06	7.46
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
		For Two Color Tread, Add	*3.59*	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	82.92	7.46
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
		For Two Color Tread, Add	*3.59*	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	97.08	7.46
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
		For Two Color Tread, Add	*3.59*	

05 55 13 00-0023 Stair Landing Treads *(05 55 13)*

05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	106.03	7.46
		For 3/8" Thick, Add	*23.52*	

05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	150.25	7.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0028		**Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads** *(05 55 13 00-0023)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	98.32	7.46
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
05 55 13 00-0030		**Open Cast Iron Stair Tread** *(05 55 13)* Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread	697.67	44.51
		For Closed Riser, Add	*59.75*	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread	782.76	51.19
		For Closed Riser, Add	*66.87*	
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread	862.42	60.08
		For Closed Riser, Add	*73.59*	
05 55 16		**Metal Stair Nosings** *(05 55)*		
05 55 16 00-0001		**Abrasive Cast Aluminum Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	32.03	5.09
		For 3/8" Thick, Add	*5.97*	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	39.37	5.09
		For 3/8" Thick, Add	*7.81*	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	55.73	5.09
		For 3/8" Thick, Add	*11.90*	
05 55 16 00-0005		**Abrasive Cast Iron Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	37.39	5.09
		For 3/8" Thick, Add	*7.31*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	46.43	5.09
		For 3/8" Thick, Add	*9.57*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	64.30	5.09
		For 3/8" Thick, Add	*14.04*	
05 55 16 00-0009		**Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings** *(05 55 16)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	27.06	5.09
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	30.60	5.09
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	33.30	5.09
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	41.69	5.09
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	28.01	5.09
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	31.03	5.09
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	34.02	5.09
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	32.20	5.09
05 56		**Metal Castings** *(05 50)*		
05 56 00 00-0001		**Castings** *(05 56)*		
05 56 00 00-0002	LB	Up To 150 Lb., Miscellaneous Castings, Light Section	5.50	0.56
05 56 00 00-0003	LB	>150 Lb., Miscellaneous Castings, Heavy Section	9.40	0.44
05 58		**Formed Metal Fabrications** *(05 50)*		
05 58 13		**Column Covers** *(05 58)*		
05 58 13 00-0001		**Architectural Column Cover, Aluminum** *(05 58 13)* Note: Includes snapform column joint, anodized finish, and column collars at top and bottom (Pittcon Series 1500).		
05 58 13 00-0002	LF	10" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	44.22	
05 58 13 00-0003	LF	12" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	52.36	
05 58 13 00-0004	LF	14" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	62.27	
05 58 13 00-0005	LF	16" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	70.40	
05 58 13 00-0006	LF	18" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	79.24	
05 58 13 00-0007	LF	20" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	88.01	
05 58 13 00-0008	LF	24" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	102.88	
05 58 13 00-0009	LF	30" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	124.03	
05 58 13 00-0010	LF	36" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	135.12	
05 58 13 00-0011	LF	42" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	146.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 13 00-0012	LF	48" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	163.34	
05 58 13 00-0013	LF	54" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	187.69	
05 58 13 00-0014		Monolithic Column Cover, Aluminum *(05 58 13)* Note: Includes painted, and column collars at top and bottom (Pittcon Series 100).		
05 58 13 00-0015	LF	7" Diameter Monolithic Column Cover, Aluminum, Factory	20.13	
05 58 13 00-0016	LF	8" Diameter Monolithic Column Cover, Aluminum, Factory	22.54	
05 58 13 00-0017	LF	9" Diameter Monolithic Column Cover, Aluminum, Factory	24.76	
05 58 13 00-0018	LF	10" Diameter Monolithic Column Cover, Aluminum, Factory	27.43	
05 58 13 00-0019	LF	12" Diameter Monolithic Column Cover, Aluminum, Factory Primed Note: Including Column Base And Top Collar	31.96	
05 58 16		**Formed Metal Enclosures** *(05 58)*		
05 58 16 00-0001		Drip Pan *(05 58 16)*		
05 58 16 00-0002	SF	Stainless Steel Drip Pan	117.30	6.95
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	115.87	6.95
05 58 16 00-0004	SF	Aluminum Drip Pan	81.29	5.56
05 58 16 00-0005	SF	Plastic Drip Pan	20.95	4.87
05 58 23		**Formed Metal Guards** *(05 58)*		
05 58 23 00-0001		Protective Guard Rails *(05 58 23)* Note: Includes painted finish.		
05 58 23 00-0002		2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Armor Guard.		
05 58 23 00-0003		Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0002)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	217.98	24.42
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	256.01	24.42
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	291.88	24.42
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	329.91	24.42
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	365.98	24.42
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	412.75	24.42
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	444.61	24.42
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	493.94	24.42
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	526.31	24.42
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	549.44	24.42
05 58 23 00-0014		Posts For 2-Rib Guard Rails *(05 58 23 00-0002)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	438.85	50.87
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	570.92	50.87
05 58 23 00-0017		3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Steel Guard.		
05 58 23 00-0018		Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	240.90	24.42
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	266.18	24.42
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	297.74	24.42
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	327.23	24.42
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	361.36	24.42
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	377.80	24.42
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	417.37	24.42
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	450.77	24.42
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	486.23	24.42
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	522.20	24.42
05 58 23 00-0029		Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	354.68	24.42
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	382.43	24.42
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	411.20	24.42
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	444.61	24.42
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	478.01	24.42
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	505.25	24.42
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	536.59	24.42
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	572.05	24.42
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	610.08	24.42
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	643.48	24.42
05 58 23 00-0040		Posts For 3-Rib Guard Rails *(05 58 23 00-0017)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	386.23	50.87
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	493.32	50.87

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0043		All-Welded, Protective Guards *(05 58 23)* Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044		All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	504.11	67.82
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	529.80	67.82
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	544.71	67.82
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	566.80	67.82
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	561.66	67.82
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	588.90	67.82
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	596.61	67.82
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	605.34	67.82
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	646.97	67.82
05 58 23 00-0054		Corner Style, All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	663.41	67.82
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	694.25	67.82
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	707.09	67.82
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	770.30	67.82
05 58 23 00-0059		Warehouse Safety Bollards *(05 58 23)* Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	313.53	50.87
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	364.30	50.87
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	418.05	50.87
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	432.75	50.87
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	466.67	50.87
05 59		**Metal Specialties** *(05 50)*		
05 59 65		**Metal Chain** *(05 59)*		
05 59 65 00-0001		Alloy Steel Chain, Self Colored, Cut Length *(05 59 65)* Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	6.44	1.08
		For Plastic Dipped, Add	*0.64*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.39	1.43
		For Plastic Dipped, Add	*0.83*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.18	2.86
		For Plastic Dipped, Add	*1.12*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	21.11	4.83
		For Plastic Dipped, Add	*1.72*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	35.63	8.16
		For Plastic Dipped, Add	*2.90*	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	50.01	11.45
		For Plastic Dipped, Add	*4.07*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	68.36	14.32
		For Plastic Dipped, Add	*5.96*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	99.10	19.08
		For Plastic Dipped, Add	*9.14*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	161.53	28.63
		For Plastic Dipped, Add	*15.64*	
05 59 65 00-0011		316L Stainless Steel Chain, Cut Length *(05 59 65)*		
05 59 65 00-0012	CLF	1/8" Diameter 316L Stainless Steel Chain, Cut Length	2,814.57	95.41
05 59 65 00-0013	CLF	3/16" Diameter 316L Stainless Steel Chain, Cut Length	3,463.82	114.53
05 59 65 00-0014	CLF	9/32" Diameter 316L Stainless Steel Chain, Cut Length	4,342.05	143.17
05 59 65 00-0015	CLF	5/16" Diameter 316L Stainless Steel Chain, Cut Length	5,866.14	190.93
05 59 65 00-0016	CLF	3/8" Diameter 316L Stainless Steel Chain, Cut Length	6,666.40	286.34
05 59 65 00-0017	CLF	1/2" Diameter 316L Stainless Steel Chain, Cut Length	10,056.12	477.27
05 59 69		**Metal Panels** *(05 59)*		
05 59 69 00-0001		Woven And Welded Wire Cloth *(05 59 69)* Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0002		Plain Steel Woven And Welded Wire Cloth Panels *(05 59 69 00-0001)*		
05 59 69 00-0003		2" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 Lb./SF, Woven And Welded Wire Cloth Panels	9.97	3.06
		For Up To 2, Add	*2.81*	
		For >2 To 6, Add	*1.61*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.88*	
		For Galvanized, Add	*2.59*	
		For Aluminum, Add	*3.53*	
		For 304 Stainless Steel, Add	*14.14*	
		For 316 Stainless Steel, Add	*16.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 Lb./SF, Woven And Welded Wire Cloth Panels	10.72	3.18
		For Up To 2, Add	*2.99*	
		For >2 To 6, Add	*1.71*	
		For >15 To 40, Deduct	*-0.32*	
		For >40, Deduct	*-0.97*	
		For Galvanized, Add	*2.85*	
		For Aluminum, Add	*3.88*	
		For 304 Stainless Steel, Add	*15.53*	
		For 316 Stainless Steel, Add	*17.79*	
05 59 69 00-0006	SF	0.148" Thick Wire, 2" Spacing, 0.65 Lb./SF, Woven And Welded Wire Cloth Panels	11.39	3.53
		For Up To 2, Add	*3.22*	
		For >2 To 6, Add	*1.84*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-1.00*	
		For Galvanized, Add	*2.94*	
		For Aluminum, Add	*4.01*	
		For 304 Stainless Steel, Add	*16.06*	
		For 316 Stainless Steel, Add	*18.40*	
05 59 69 00-0007	SF	0.162" Thick Wire, 2" Spacing, 0.78 Lb./SF, Woven And Welded Wire Cloth Panels	12.02	3.68
		For Up To 2, Add	*3.38*	
		For >2 To 6, Add	*1.94*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.07*	
		For Galvanized, Add	*3.13*	
		For Aluminum, Add	*4.27*	
		For 304 Stainless Steel, Add	*17.09*	
		For 316 Stainless Steel, Add	*19.58*	
05 59 69 00-0008	SF	0.177" Thick Wire, 2" Spacing, 0.92 Lb./SF, Woven And Welded Wire Cloth Panels	13.14	4.12
		For Up To 2, Add	*3.73*	
		For >2 To 6, Add	*2.14*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.36*	
		For Aluminum, Add	*4.58*	
		For 304 Stainless Steel, Add	*18.34*	
		For 316 Stainless Steel, Add	*21.01*	
05 59 69 00-0009	SF	0.192" Thick Wire, 2" Spacing, 1.08 Lb./SF, Woven And Welded Wire Cloth Panels	15.09	4.59
		For Up To 2, Add	*4.24*	
		For >2 To 6, Add	*2.43*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.35*	
		For Galvanized, Add	*3.95*	
		For Aluminum, Add	*5.38*	
		For 304 Stainless Steel, Add	*21.53*	
		For 316 Stainless Steel, Add	*24.67*	
05 59 69 00-0010	SF	0.207" Thick Wire, 2" Spacing, 1.25 Lb./SF, Woven And Welded Wire Cloth Panels	17.13	5.06
		For Up To 2, Add	*4.77*	
		For >2 To 6, Add	*2.72*	
		For >15 To 40, Deduct	*-0.52*	
		For >40, Deduct	*-1.56*	
		For Galvanized, Add	*4.57*	
		For Aluminum, Add	*6.23*	
		For 304 Stainless Steel, Add	*24.94*	
		For 316 Stainless Steel, Add	*28.57*	
05 59 69 00-0011	SF	0.225" Thick Wire, 2" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	19.61	5.61
		For Up To 2, Add	*5.42*	
		For >2 To 6, Add	*3.08*	
		For >15 To 40, Deduct	*-0.61*	
		For >40, Deduct	*-1.82*	
		For Galvanized, Add	*5.34*	
		For Aluminum, Add	*7.28*	
		For 304 Stainless Steel, Add	*29.11*	
		For 316 Stainless Steel, Add	*33.36*	

05 59 69 00-0012 1-3/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0013	SF	0.12" Thick Wire, 1-3/4" Spacing, 0.49 Lb./SF, Woven And Welded Wire Cloth Panels	10.46	3.24
		For Up To 2, Add	*2.96*	
		For >2 To 6, Add	*1.69*	
		For >15 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.92*	
		For Galvanized, Add	*2.70*	
		For Aluminum, Add	*3.68*	
		For 304 Stainless Steel, Add	*14.74*	
		For 316 Stainless Steel, Add	*16.89*	
05 59 69 00-0014	SF	0.135" Thick Wire, 1-3/4" Spacing, 0.62 Lb./SF, Woven And Welded Wire Cloth Panels	11.51	3.41
		For Up To 2, Add	*3.21*	
		For >2 To 6, Add	*1.84*	
		For >15 To 40, Deduct	*-0.35*	
		For >40, Deduct	*-1.04*	
		For Galvanized, Add	*3.06*	
		For Aluminum, Add	*4.17*	
		For 304 Stainless Steel, Add	*16.68*	
		For 316 Stainless Steel, Add	*19.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0015	SF	0.148" Thick Wire, 1-3/4" Spacing, 0.74 Lb./SF, Woven And Welded Wire Cloth Panels	12.37	3.83
		For Up To 2, Add	*3.50*	
		For >2 To 6, Add	*2.00*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.09*	
		For Galvanized, Add	*3.19*	
		For Aluminum, Add	*4.36*	
		For 304 Stainless Steel, Add	*17.42*	
		For 316 Stainless Steel, Add	*19.97*	
05 59 69 00-0016	SF	0.162" Thick Wire, 1-3/4" Spacing, 0.88 Lb./SF, Woven And Welded Wire Cloth Panels	12.92	3.95
		For Up To 2, Add	*3.64*	
		For >2 To 6, Add	*2.08*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.37*	
		For Aluminum, Add	*4.59*	
		For 304 Stainless Steel, Add	*18.36*	
		For 316 Stainless Steel, Add	*21.04*	
05 59 69 00-0017	SF	0.177" Thick Wire, 1-3/4" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels	14.14	4.43
		For Up To 2, Add	*4.01*	
		For >2 To 6, Add	*2.30*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.23*	
		For Galvanized, Add	*3.62*	
		For Aluminum, Add	*4.94*	
		For 304 Stainless Steel, Add	*19.75*	
		For 316 Stainless Steel, Add	*22.63*	
05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 Lb./SF, Woven And Welded Wire Cloth Panels	16.25	4.95
		For Up To 2, Add	*4.57*	
		For >2 To 6, Add	*2.62*	
		For >15 To 40, Deduct	*-0.48*	
		For >40, Deduct	*-1.45*	
		For Galvanized, Add	*4.25*	
		For Aluminum, Add	*5.79*	
		For 304 Stainless Steel, Add	*23.16*	
		For 316 Stainless Steel, Add	*26.54*	
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 Lb./SF, Woven And Welded Wire Cloth Panels	18.40	5.43
		For Up To 2, Add	*5.13*	
		For >2 To 6, Add	*2.93*	
		For >15 To 40, Deduct	*-0.56*	
		For >40, Deduct	*-1.67*	
		For Galvanized, Add	*4.91*	
		For Aluminum, Add	*6.70*	
		For 304 Stainless Steel, Add	*26.78*	
		For 316 Stainless Steel, Add	*30.69*	
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels	21.12	6.03
		For Up To 2, Add	*5.84*	
		For >2 To 6, Add	*3.32*	
		For >15 To 40, Deduct	*-0.65*	
		For >40, Deduct	*-1.96*	
		For Galvanized, Add	*5.75*	
		For Aluminum, Add	*7.84*	
		For 304 Stainless Steel, Add	*31.34*	
		For 316 Stainless Steel, Add	*35.92*	

05 59 69 00-0021 1-1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 Lb./SF, Woven And Welded Wire Cloth Panels	11.58	3.60
		For Up To 2, Add	*3.27*	
		For >2 To 6, Add	*1.88*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.02*	
		For Galvanized, Add	*2.99*	
		For Aluminum, Add	*4.08*	
		For 304 Stainless Steel, Add	*16.32*	
		For 316 Stainless Steel, Add	*18.70*	
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 Lb./SF, Woven And Welded Wire Cloth Panels	12.72	3.78
		For Up To 2, Add	*3.55*	
		For >2 To 6, Add	*2.03*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.38*	
		For Aluminum, Add	*4.61*	
		For 304 Stainless Steel, Add	*18.43*	
		For 316 Stainless Steel, Add	*21.12*	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels	13.53	4.19
		For Up To 2, Add	*3.82*	
		For >2 To 6, Add	*2.19*	
		For >15 To 40, Deduct	*-0.40*	
		For >40, Deduct	*-1.19*	
		For Galvanized, Add	*3.49*	
		For Aluminum, Add	*4.76*	
		For 304 Stainless Steel, Add	*19.06*	
		For 316 Stainless Steel, Add	*21.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 Lb./SF, Woven And Welded Wire Cloth Panels	14.26	4.36
		For Up To 2, Add	*4.02*	
		For >2 To 6, Add	*2.30*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.27*	
		For Galvanized, Add	*3.71*	
		For Aluminum, Add	*5.06*	
		For 304 Stainless Steel, Add	*20.26*	
		For 316 Stainless Steel, Add	*23.21*	
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels	15.55	4.87
		For Up To 2, Add	*4.41*	
		For >2 To 6, Add	*2.53*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.36*	
		For Galvanized, Add	*3.98*	
		For Aluminum, Add	*5.42*	
		For 304 Stainless Steel, Add	*21.70*	
		For 316 Stainless Steel, Add	*24.86*	
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 Lb./SF, Woven And Welded Wire Cloth Panels	17.75	5.41
		For Up To 2, Add	*4.99*	
		For >2 To 6, Add	*2.86*	
		For >15 To 40, Deduct	*-0.53*	
		For >40, Deduct	*-1.58*	
		For Galvanized, Add	*4.64*	
		For Aluminum, Add	*6.33*	
		For 304 Stainless Steel, Add	*25.32*	
		For 316 Stainless Steel, Add	*29.01*	
05 59 69 00-0028	SF	0.207" Thick Wire, 1-1/2" Spacing, 1.62 Lb./SF, Woven And Welded Wire Cloth Panels	20.13	5.94
		For Up To 2, Add	*5.61*	
		For >2 To 6, Add	*3.20*	
		For >15 To 40, Deduct	*-0.61*	
		For >40, Deduct	*-1.83*	
		For Galvanized, Add	*5.37*	
		For Aluminum, Add	*7.33*	
		For 304 Stainless Steel, Add	*29.30*	
		For 316 Stainless Steel, Add	*33.58*	
05 59 69 00-0029	SF	0.225" Thick Wire, 1-1/2" Spacing, 1.89 Lb./SF, Woven And Welded Wire Cloth Panels	23.01	6.59
		For Up To 2, Add	*6.36*	
		For >2 To 6, Add	*3.62*	
		For >15 To 40, Deduct	*-0.71*	
		For >40, Deduct	*-2.14*	
		For Galvanized, Add	*6.27*	
		For Aluminum, Add	*8.54*	
		For 304 Stainless Steel, Add	*34.18*	
		For 316 Stainless Steel, Add	*39.16*	

05 59 69 00-0030 1-1/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 Lb./SF, Woven And Welded Wire Cloth Panels	11.85	3.89
		For Up To 2, Add	*3.41*	
		For >2 To 6, Add	*1.96*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-1.00*	
		For Galvanized, Add	*2.93*	
		For Aluminum, Add	*4.00*	
		For 304 Stainless Steel, Add	*15.98*	
		For 316 Stainless Steel, Add	*18.32*	
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 Lb./SF, Woven And Welded Wire Cloth Panels	12.81	4.08
		For Up To 2, Add	*3.65*	
		For >2 To 6, Add	*2.10*	
		For >15 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-1.11*	
		For Galvanized, Add	*3.24*	
		For Aluminum, Add	*4.42*	
		For 304 Stainless Steel, Add	*17.69*	
		For 316 Stainless Steel, Add	*20.27*	
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels	13.92	4.25
		For Up To 2, Add	*3.92*	
		For >2 To 6, Add	*2.24*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.24*	
		For Galvanized, Add	*3.63*	
		For Aluminum, Add	*4.95*	
		For 304 Stainless Steel, Add	*19.80*	
		For 316 Stainless Steel, Add	*22.69*	
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 Lb./SF, Woven And Welded Wire Cloth Panels	14.34	4.33
		For Up To 2, Add	*4.02*	
		For >2 To 6, Add	*2.30*	
		For >15 To 40, Deduct	*-0.43*	
		For >40, Deduct	*-1.29*	
		For Galvanized, Add	*3.77*	
		For Aluminum, Add	*5.14*	
		For 304 Stainless Steel, Add	*20.57*	
		For 316 Stainless Steel, Add	*23.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels	15.55	4.89
		For Up To 2, Add	*4.41*	
		For >2 To 6, Add	*2.53*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.35*	
		For Galvanized, Add	*3.97*	
		For Aluminum, Add	*5.42*	
		For 304 Stainless Steel, Add	*21.67*	
		For 316 Stainless Steel, Add	*24.83*	
05 59 69 00-0036	SF	0.177" Thick Wire, 1-1/4" Spacing, 1.42 Lb./SF, Woven And Welded Wire Cloth Panels	17.52	5.50
		For Up To 2, Add	*4.97*	
		For >2 To 6, Add	*2.85*	
		For >15 To 40, Deduct	*-0.51*	
		For >40, Deduct	*-1.53*	
		For Galvanized, Add	*4.48*	
		For Aluminum, Add	*6.11*	
		For 304 Stainless Steel, Add	*24.46*	
		For 316 Stainless Steel, Add	*28.02*	
05 59 69 00-0037	SF	0.192" Thick Wire, 1-1/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels	19.93	6.07
		For Up To 2, Add	*5.60*	
		For >2 To 6, Add	*3.21*	
		For >15 To 40, Deduct	*-0.59*	
		For >40, Deduct	*-1.78*	
		For Galvanized, Add	*5.21*	
		For Aluminum, Add	*7.10*	
		For 304 Stainless Steel, Add	*28.42*	
		For 316 Stainless Steel, Add	*32.56*	
05 59 69 00-0038	SF	0.207" Thick Wire, 1-1/4" Spacing, 1.9 Lb./SF, Woven And Welded Wire Cloth Panels	22.48	6.64
		For Up To 2, Add	*6.26*	
		For >2 To 6, Add	*3.57*	
		For >15 To 40, Deduct	*-0.68*	
		For >40, Deduct	*-2.05*	
		For Galvanized, Add	*6.00*	
		For Aluminum, Add	*8.18*	
		For 304 Stainless Steel, Add	*32.74*	
		For 316 Stainless Steel, Add	*37.51*	
05 59 69 00-0039	SF	0.225" Thick Wire, 1-1/4" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels	25.76	7.36
		For Up To 2, Add	*7.12*	
		For >2 To 6, Add	*4.05*	
		For >15 To 40, Deduct	*-0.80*	
		For >40, Deduct	*-2.39*	
		For Galvanized, Add	*7.01*	
		For Aluminum, Add	*9.56*	
		For 304 Stainless Steel, Add	*38.26*	
		For 316 Stainless Steel, Add	*43.84*	

05 59 69 00-0040 1" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0041	SF	0.105" Thick Wire, 1" Spacing, 0.64 Lb./SF, Woven And Welded Wire Cloth Panels	13.52	4.56
		For Up To 2, Add	*3.92*	
		For >2 To 6, Add	*2.26*	
		For >15 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-1.12*	
		For Galvanized, Add	*3.28*	
		For Aluminum, Add	*4.47*	
		For 304 Stainless Steel, Add	*17.88*	
		For 316 Stainless Steel, Add	*20.49*	
05 59 69 00-0042	SF	0.12" Thick Wire, 1" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	14.50	4.74
		For Up To 2, Add	*4.16*	
		For >2 To 6, Add	*2.40*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.23*	
		For Galvanized, Add	*3.60*	
		For Aluminum, Add	*4.91*	
		For 304 Stainless Steel, Add	*19.63*	
		For 316 Stainless Steel, Add	*22.50*	
05 59 69 00-0043	SF	0.135" Thick Wire, 1" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels	15.10	4.95
		For Up To 2, Add	*4.34*	
		For >2 To 6, Add	*2.50*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.27*	
		For Galvanized, Add	*3.74*	
		For Aluminum, Add	*5.09*	
		For 304 Stainless Steel, Add	*20.38*	
		For 316 Stainless Steel, Add	*23.35*	
05 59 69 00-0044	SF	0.148" Thick Wire, 1" Spacing, 1.23 Lb./SF, Woven And Welded Wire Cloth Panels	16.19	5.02
		For Up To 2, Add	*4.58*	
		For >2 To 6, Add	*2.62*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.42*	
		For Galvanized, Add	*4.18*	
		For Aluminum, Add	*5.69*	
		For 304 Stainless Steel, Add	*22.78*	
		For 316 Stainless Steel, Add	*26.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0045	SF	0.162" Thick Wire, 1" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	18.01	5.66
		For Up To 2, Add	*5.11*	
		For >2 To 6, Add	*2.93*	
		For >15 To 40, Deduct	*-0.52*	
		For >40, Deduct	*-1.57*	
		For Galvanized, Add	*4.60*	
		For Aluminum, Add	*6.28*	
		For 304 Stainless Steel, Add	*25.10*	
		For 316 Stainless Steel, Add	*28.77*	
05 59 69 00-0046	SF	0.177" Thick Wire, 1" Spacing, 1.72 Lb./SF, Woven And Welded Wire Cloth Panels	20.21	6.34
		For Up To 2, Add	*5.73*	
		For >2 To 6, Add	*3.29*	
		For >15 To 40, Deduct	*-0.59*	
		For >40, Deduct	*-1.76*	
		For Galvanized, Add	*5.17*	
		For Aluminum, Add	*7.06*	
		For 304 Stainless Steel, Add	*28.22*	
		For 316 Stainless Steel, Add	*32.34*	
05 59 69 00-0047	SF	0.192" Thick Wire, 1" Spacing, 2.01 Lb./SF, Woven And Welded Wire Cloth Panels	23.12	7.03
		For Up To 2, Add	*6.50*	
		For >2 To 6, Add	*3.72*	
		For >15 To 40, Deduct	*-0.69*	
		For >40, Deduct	*-2.06*	
		For Galvanized, Add	*6.05*	
		For Aluminum, Add	*8.24*	
		For 304 Stainless Steel, Add	*32.98*	
		For 316 Stainless Steel, Add	*37.79*	
05 59 69 00-0048	SF	0.207" Thick Wire, 1" Spacing, 2.31 Lb./SF, Woven And Welded Wire Cloth Panels	26.03	7.68
		For Up To 2, Add	*7.25*	
		For >2 To 6, Add	*4.14*	
		For >15 To 40, Deduct	*-0.79*	
		For >40, Deduct	*-2.37*	
		For Galvanized, Add	*6.95*	
		For Aluminum, Add	*9.47*	
		For 304 Stainless Steel, Add	*37.90*	
		For 316 Stainless Steel, Add	*43.42*	
05 59 69 00-0049	SF	0.225" Thick Wire, 1" Spacing, 2.69 Lb./SF, Woven And Welded Wire Cloth Panels	29.72	8.50
		For Up To 2, Add	*8.21*	
		For >2 To 6, Add	*4.67*	
		For >15 To 40, Deduct	*-0.92*	
		For >40, Deduct	*-2.76*	
		For Galvanized, Add	*8.09*	
		For Aluminum, Add	*11.03*	
		For 304 Stainless Steel, Add	*44.14*	
		For 316 Stainless Steel, Add	*50.57*	

05 59 69 00-0050 3/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	13.69	4.55
		For Up To 2, Add	*3.95*	
		For >2 To 6, Add	*2.28*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.14*	
		For Galvanized, Add	*3.36*	
		For Aluminum, Add	*4.58*	
		For 304 Stainless Steel, Add	*18.31*	
		For 316 Stainless Steel, Add	*20.98*	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 Lb./SF, Woven And Welded Wire Cloth Panels	15.28	5.10
		For Up To 2, Add	*4.41*	
		For >2 To 6, Add	*2.55*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.27*	
		For Galvanized, Add	*3.74*	
		For Aluminum, Add	*5.09*	
		For 304 Stainless Steel, Add	*20.38*	
		For 316 Stainless Steel, Add	*23.35*	
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 Lb./SF, Woven And Welded Wire Cloth Panels	16.91	5.76
		For Up To 2, Add	*4.92*	
		For >2 To 6, Add	*2.84*	
		For >15 To 40, Deduct	*-0.46*	
		For >40, Deduct	*-1.39*	
		For Galvanized, Add	*4.07*	
		For Aluminum, Add	*5.54*	
		For 304 Stainless Steel, Add	*22.18*	
		For 316 Stainless Steel, Add	*25.41*	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 Lb./SF, Woven And Welded Wire Cloth Panels	18.29	6.14
		For Up To 2, Add	*5.30*	
		For >2 To 6, Add	*3.06*	
		For >15 To 40, Deduct	*-0.51*	
		For >40, Deduct	*-1.52*	
		For Galvanized, Add	*4.44*	
		For Aluminum, Add	*6.06*	
		For 304 Stainless Steel, Add	*24.24*	
		For 316 Stainless Steel, Add	*27.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 Lb./SF, Woven And Welded Wire Cloth Panels	21.17	6.91
		For Up To 2, Add	*6.08*	
		For >2 To 6, Add	*3.50*	
		For >15 To 40, Deduct	*-0.60*	
		For >40, Deduct	*-1.79*	
		For Galvanized, Add	*5.26*	
		For Aluminum, Add	*7.18*	
		For 304 Stainless Steel, Add	*28.70*	
		For 316 Stainless Steel, Add	*32.89*	
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 Lb./SF, Woven And Welded Wire Cloth Panels	24.36	7.73
		For Up To 2, Add	*6.93*	
		For >2 To 6, Add	*3.98*	
		For >15 To 40, Deduct	*-0.70*	
		For >40, Deduct	*-2.11*	
		For Galvanized, Add	*6.19*	
		For Aluminum, Add	*8.44*	
		For 304 Stainless Steel, Add	*33.77*	
		For 316 Stainless Steel, Add	*38.69*	
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 Lb./SF, Woven And Welded Wire Cloth Panels	27.75	8.53
		For Up To 2, Add	*7.83*	
		For >2 To 6, Add	*4.48*	
		For >15 To 40, Deduct	*-0.82*	
		For >40, Deduct	*-2.46*	
		For Galvanized, Add	*7.20*	
		For Aluminum, Add	*9.82*	
		For 304 Stainless Steel, Add	*39.29*	
		For 316 Stainless Steel, Add	*45.02*	
05 59 69 00-0058	SF	0.207" Thick Wire, 3/4" Spacing, 2.93 Lb./SF, Woven And Welded Wire Cloth Panels	31.11	9.28
		For Up To 2, Add	*8.70*	
		For >2 To 6, Add	*4.97*	
		For >15 To 40, Deduct	*-0.94*	
		For >40, Deduct	*-2.81*	
		For Galvanized, Add	*8.25*	
		For Aluminum, Add	*11.24*	
		For 304 Stainless Steel, Add	*44.98*	
		For 316 Stainless Steel, Add	*51.54*	
05 59 69 00-0059	SF	0.225" Thick Wire, 3/4" Spacing, 3.41 Lb./SF, Woven And Welded Wire Cloth Panels	35.49	10.26
		For Up To 2, Add	*9.83*	
		For >2 To 6, Add	*5.60*	
		For >15 To 40, Deduct	*-1.09*	
		For >40, Deduct	*-3.27*	
		For Galvanized, Add	*9.60*	
		For Aluminum, Add	*13.09*	
		For 304 Stainless Steel, Add	*52.34*	
		For 316 Stainless Steel, Add	*59.98*	

05 59 69 00-0060 1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0061	SF	0.105" Thick Wire, 1/2" Spacing, 1.18 Lb./SF, Woven And Welded Wire Cloth Panels	14.30	4.86
		For Up To 2, Add	*4.16*	
		For >2 To 6, Add	*2.40*	
		For >15 To 40, Deduct	*-0.39*	
		For >40, Deduct	*-1.17*	
		For Galvanized, Add	*3.44*	
		For Aluminum, Add	*4.69*	
		For 304 Stainless Steel, Add	*18.74*	
		For 316 Stainless Steel, Add	*21.48*	
05 59 69 00-0062	SF	0.12" Thick Wire, 1/2" Spacing, 1.51 Lb./SF, Woven And Welded Wire Cloth Panels	16.72	5.91
		For Up To 2, Add	*4.92*	
		For >2 To 6, Add	*2.86*	
		For >15 To 40, Deduct	*-0.44*	
		For >40, Deduct	*-1.32*	
		For Galvanized, Add	*3.88*	
		For Aluminum, Add	*5.29*	
		For 304 Stainless Steel, Add	*21.17*	
		For 316 Stainless Steel, Add	*24.26*	
05 59 69 00-0063	SF	0.135" Thick Wire, 1/2" Spacing, 1.88 Lb./SF, Woven And Welded Wire Cloth Panels	20.21	7.00
		For Up To 2, Add	*5.91*	
		For >2 To 6, Add	*3.42*	
		For >15 To 40, Deduct	*-0.54*	
		For >40, Deduct	*-1.63*	
		For Galvanized, Add	*4.79*	
		For Aluminum, Add	*6.53*	
		For 304 Stainless Steel, Add	*26.11*	
		For 316 Stainless Steel, Add	*29.92*	
05 59 69 00-0064	SF	0.148" Thick Wire, 1/2" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels	23.32	7.85
		For Up To 2, Add	*6.76*	
		For >2 To 6, Add	*3.90*	
		For >15 To 40, Deduct	*-0.64*	
		For >40, Deduct	*-1.93*	
		For Galvanized, Add	*5.65*	
		For Aluminum, Add	*7.71*	
		For 304 Stainless Steel, Add	*30.84*	
		For 316 Stainless Steel, Add	*35.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0065	SF	0.162" Thick Wire, 1/2" Spacing, 2.61 Lb./SF, Woven And Welded Wire Cloth Panels	26.79	8.76
		For Up To 2, Add	*7.69*	
		For >2 To 6, Add	*4.43*	
		For >15 To 40, Deduct	*-0.76*	
		For >40, Deduct	*-2.27*	
		For Galvanized, Add	*6.65*	
		For Aluminum, Add	*9.07*	
		For 304 Stainless Steel, Add	*36.26*	
		For 316 Stainless Steel, Add	*41.55*	
05 59 69 00-0066	SF	0.177" Thick Wire, 1/2" Spacing, 3.06 Lb./SF, Woven And Welded Wire Cloth Panels	30.73	9.76
		For Up To 2, Add	*8.75*	
		For >2 To 6, Add	*5.03*	
		For >15 To 40, Deduct	*-0.89*	
		For >40, Deduct	*-2.66*	
		For Galvanized, Add	*7.79*	
		For Aluminum, Add	*10.63*	
		For 304 Stainless Steel, Add	*42.50*	
		For 316 Stainless Steel, Add	*48.70*	
05 59 69 00-0067	SF	0.192" Thick Wire, 1/2" Spacing, 3.54 Lb./SF, Woven And Welded Wire Cloth Panels	34.80	10.74
		For Up To 2, Add	*9.82*	
		For >2 To 6, Add	*5.63*	
		For >15 To 40, Deduct	*-1.02*	
		For >40, Deduct	*-3.07*	
		For Galvanized, Add	*9.02*	
		For Aluminum, Add	*12.29*	
		For 304 Stainless Steel, Add	*49.18*	
		For 316 Stainless Steel, Add	*56.35*	
05 59 69 00-0068	SF	0.207" Thick Wire, 1/2" Spacing, 4.04 Lb./SF, Woven And Welded Wire Cloth Panels	38.90	11.64
		For Up To 2, Add	*10.88*	
		For >2 To 6, Add	*6.22*	
		For >15 To 40, Deduct	*-1.17*	
		For >40, Deduct	*-3.51*	
		For Galvanized, Add	*10.29*	
		For Aluminum, Add	*14.03*	
		For 304 Stainless Steel, Add	*56.14*	
		For 316 Stainless Steel, Add	*64.32*	
05 59 69 00-0069	SF	0.225" Thick Wire, 1/2" Spacing, 4.68 Lb./SF, Woven And Welded Wire Cloth Panels	40.46	12.81
		For Up To 2, Add	*11.51*	
		For >2 To 6, Add	*6.61*	
		For >15 To 40, Deduct	*-1.17*	
		For >40, Deduct	*-3.51*	
		For Galvanized, Add	*10.29*	
		For Aluminum, Add	*14.03*	
		For 304 Stainless Steel, Add	*56.14*	
		For 316 Stainless Steel, Add	*64.32*	

05 59 69 00-0070 Expanded Metal Panels *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels *(05 59 69 00-0070)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0072	SF	1/4" #20-F Plain Expanded Metal Panel, 0.82 Lb./SF	10.16	4.19
		For Galvanized, Add	*2.01*	
		For Aluminum, Add	*2.74*	
		For 304 Stainless Steel, Add	*10.97*	
		For 316 Stainless Steel, Add	*12.57*	
05 59 69 00-0073	SF	1/4" #18-F Plain Expanded Metal Panel, 1.08 Lb./SF	12.58	4.59
		For Galvanized, Add	*2.84*	
		For Aluminum, Add	*3.88*	
		For 304 Stainless Steel, Add	*15.50*	
		For 316 Stainless Steel, Add	*17.77*	
05 59 69 00-0074	SF	1/2" #20-F Plain Expanded Metal Panel, 0.40 Lb./SF	7.39	3.24
		For Galvanized, Add	*1.35*	
		For Aluminum, Add	*1.84*	
		For 304 Stainless Steel, Add	*7.37*	
		For 316 Stainless Steel, Add	*8.44*	
05 59 69 00-0075	SF	1/2" #18-F Plain Expanded Metal Panel, 0.66 Lb./SF	8.06	3.53
		For Galvanized, Add	*1.48*	
		For Aluminum, Add	*2.02*	
		For 304 Stainless Steel, Add	*8.06*	
		For 316 Stainless Steel, Add	*9.24*	
05 59 69 00-0076	SF	1/2" #16-F Plain Expanded Metal Panel, 0.82 Lb./SF	9.18	4.19
		For Galvanized, Add	*1.58*	
		For Aluminum, Add	*2.15*	
		For 304 Stainless Steel, Add	*8.62*	
		For 316 Stainless Steel, Add	*9.87*	
05 59 69 00-0077	SF	1/2" #13-F Plain Expanded Metal Panel, 1.4 Lb./SF	11.76	5.41
		For Galvanized, Add	*2.01*	
		For Aluminum, Add	*2.74*	
		For 304 Stainless Steel, Add	*10.94*	
		For 316 Stainless Steel, Add	*12.54*	
05 59 69 00-0078	SF	3/4" #16-F Plain Expanded Metal Panel, 0.51 Lb./SF	6.54	3.18
		For Galvanized, Add	*1.01*	
		For Aluminum, Add	*1.37*	
		For 304 Stainless Steel, Add	*5.50*	
		For 316 Stainless Steel, Add	*6.30*	
05 59 69 00-0079	SF	3/4" #14-F Plain Expanded Metal Panel, 0.63 Lb./SF	7.29	3.41
		For Galvanized, Add	*1.20*	
		For Aluminum, Add	*1.64*	
		For 304 Stainless Steel, Add	*6.55*	
		For 316 Stainless Steel, Add	*7.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0080	SF	3/4" #13-F Plain Expanded Metal Panel, 0.75 Lb./SF	8.30	3.83
		For Galvanized, Add	*1.40*	
		For Aluminum, Add	*1.91*	
		For 304 Stainless Steel, Add	*7.66*	
		For 316 Stainless Steel, Add	*8.77*	
05 59 69 00-0081	SF	3/4" #9-F Plain Expanded Metal Panel, 1.50 Lb./SF	13.16	6.34
		For Galvanized, Add	*2.07*	
		For Aluminum, Add	*2.83*	
		For 304 Stainless Steel, Add	*11.30*	
		For 316 Stainless Steel, Add	*12.95*	
05 59 69 00-0082	SF	1" #16-F Plain Expanded Metal Panel, 0.41 Lb./SF	7.41	3.89
		For Galvanized, Add	*0.98*	
		For Aluminum, Add	*1.33*	
		For 304 Stainless Steel, Add	*5.33*	
		For 316 Stainless Steel, Add	*6.11*	
05 59 69 00-0083	SF	1-1/2" #16-F Plain Expanded Metal Panel, 0.38 Lb./SF	6.31	3.06
		For Galvanized, Add	*0.98*	
		For Aluminum, Add	*1.34*	
		For 304 Stainless Steel, Add	*5.35*	
		For 316 Stainless Steel, Add	*6.13*	
05 59 69 00-0084	SF	1-1/2" #13-F Plain Expanded Metal Panel, 0.57 Lb./SF	7.29	3.60
		For Galvanized, Add	*1.10*	
		For Aluminum, Add	*1.51*	
		For 304 Stainless Steel, Add	*6.02*	
		For 316 Stainless Steel, Add	*6.90*	
05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 Lb./SF	11.12	4.86
		For Galvanized, Add	*2.04*	
		For Aluminum, Add	*2.78*	
		For 304 Stainless Steel, Add	*11.11*	
		For 316 Stainless Steel, Add	*12.73*	

05 70 Decorative Metal *(05)*

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs *(05 70)*

05 71 13 Fabricated Metal Spiral Stairs *(05 71)*

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units *(05 71 13)*

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread *(05 71 13 00-0001)*

05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails	456.85	55.63
		For Galvanized, Add	*241.91*	
05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails	520.21	61.20
		For Galvanized, Add	*278.47*	
05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails	575.54	66.76
		For Galvanized, Add	*309.41*	
05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails	616.81	72.33
		For Galvanized, Add	*330.51*	

05 73 Decorative Metal Railings *(05 70)*

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings *(05 73)*

05 73 23 00-0001 Railings; Vertical Square Bars At 6" *(05 73 23)*

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	76.59	12.24
		For Rake Or Angle Railings, Add	*10.68*	
		For Curved Railings, Add	*20.22*	
		For 4" On Center Standards, Add	*2.05*	
		For 4-1/2" On Center Standards, Add	*1.64*	
		For 5" On Center Standards, Add	*1.09*	
		For 5-1/2" On Center Standards, Add	*0.55*	
		For Each Field Bending Of Rails, Add	*14.83*	
		For Galvanized, Add	*3.82*	
05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	180.48	16.69
		For Rake Or Angle Railings, Add	*19.64*	
		For Curved Railings, Add	*63.12*	
		For 4" On Center Standards, Add	*8.45*	
		For 4-1/2" On Center Standards, Add	*6.76*	
		For 5" On Center Standards, Add	*4.51*	
		For 5-1/2" On Center Standards, Add	*2.25*	
		For Each Field Bending Of Rails, Add	*19.46*	
05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	192.90	27.82
		For Rake Or Angle Railings, Add	*23.89*	
		For Curved Railings, Add	*59.33*	
		For 4" On Center Standards, Add	*7.12*	
		For 4-1/2" On Center Standards, Add	*5.70*	
		For 5" On Center Standards, Add	*3.80*	
		For 5-1/2" On Center Standards, Add	*1.90*	
		For Each Field Bending Of Rails, Add	*26.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	296.44	22.25
		For Rake Or Angle Railings, Add	*29.87*	
		For Curved Railings, Add	*110.41*	
		For 4" On Center Standards, Add	*15.46*	
		For 4-1/2" On Center Standards, Add	*12.36*	
		For 5" On Center Standards, Add	*8.24*	
		For 5-1/2" On Center Standards, Add	*4.12*	
		For Each Field Bending Of Rails, Add	*25.09*	
05 73 23 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	417.33	33.94
		For Rake Or Angle Railings, Add	*35.28*	
		For Curved Railings, Add	*174.43*	
		For 4" On Center Standards, Add	*26.21*	
		For 4-1/2" On Center Standards, Add	*20.97*	
		For 5" On Center Standards, Add	*13.98*	
		For 5-1/2" On Center Standards, Add	*6.99*	
		For Each Field Bending Of Rails, Add	*19.47*	

05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports *(05 73 23)*

05 73 23 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	178.02	5.57
		For Rake Or Angle Railings, Add	*14.00*	
		For Curved Railings, Add	*77.34*	
		For 4" On Center Standards, Add	*11.87*	
		For 4-1/2" On Center Standards, Add	*9.49*	
		For 5" On Center Standards, Add	*6.33*	
		For 5-1/2" On Center Standards, Add	*3.16*	
		For Each Field Bending Of Rails, Add	*7.45*	
		For Exterior Post-Installed Anchors, Add	*10.68*	

05 73 23 00-0009 Plain Handrails *(05 73 23)*

05 73 23 00-0010	LF	2" Brass Handrail	61.23	12.16
05 73 23 00-0011	EA	90 Degree Angle For 2" Brass Handrail	124.26	43.99
05 73 23 00-0012	EA	End Cap For 2" Brass Handrail	55.82	22.05
05 73 23 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	93.61	43.99
05 73 23 00-0014	LF	2" Stainless Steel Handrail	72.62	15.20

05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing *(05 73 23)*

Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0369 for painting.

05 73 23 00-0016	LF	Refinish Metal Handrail	11.88	
05 73 23 00-0017	LF	Refinish Wrought Iron Balustrade	11.83	

05 73 23 00-0018 Remove/Reinstall Ornamental Railing *(05 73 23)*

05 73 23 00-0019	LF	Removal And Reinstallation Of Ornamental Handrail And Pickets	102.36	

05 75 Decorative Formed Metal *(05 70)*

05 75 00 00-0001 Metal Sheets, Installed On Walls *(05 75)*

Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.

05 75 00 00-0002 Copper Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	28.45	2.65
		For >16 To 200, Deduct	*-1.62*	
		For >200 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-4.67*	
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	35.42	2.95
		For >16 To 200, Deduct	*-1.99*	
		For >200 To 500, Deduct	*-3.98*	
		For >500, Deduct	*-5.76*	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	38.76	3.18
		For >16 To 200, Deduct	*-2.18*	
		For >200 To 500, Deduct	*-4.35*	
		For >500, Deduct	*-6.29*	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	41.83	3.34
		For >16 To 200, Deduct	*-2.34*	
		For >200 To 500, Deduct	*-4.69*	
		For >500, Deduct	*-6.78*	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	47.60	3.49
		For >16 To 200, Deduct	*-2.64*	
		For >200 To 500, Deduct	*-5.29*	
		For >500, Deduct	*-7.67*	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	60.07	3.66
		For >16 To 200, Deduct	*-3.28*	
		For >200 To 500, Deduct	*-6.56*	
		For >500, Deduct	*-9.56*	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	70.25	3.83
		For >16 To 200, Deduct	*-3.80*	
		For >200 To 500, Deduct	*-7.60*	
		For >500, Deduct	*-11.11*	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	84.90	4.14
		For >16 To 200, Deduct	*-4.56*	
		For >200 To 500, Deduct	*-9.11*	
		For >500, Deduct	*-13.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	104.10	4.46
		For >16 To 200, Deduct	*-5.54*	
		For >200 To 500, Deduct	*-11.08*	
		For >500, Deduct	*-16.28*	
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	152.31	4.78
		For >16 To 200, Deduct	*-7.97*	
		For >200 To 500, Deduct	*-15.95*	
		For >500, Deduct	*-23.56*	

05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	14.49	2.48
		For >16 To 200, Deduct	*-0.91*	
		For >200 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.54*	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	16.35	2.67
		For >16 To 200, Deduct	*-1.02*	
		For >200 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.85*	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.76	2.81
		For >16 To 200, Deduct	*-1.10*	
		For >200 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-3.09*	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	20.68	2.93
		For >16 To 200, Deduct	*-1.25*	
		For >200 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.54*	
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	23.52	3.07
		For >16 To 200, Deduct	*-1.41*	
		For >200 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.99*	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	27.08	3.20
		For >16 To 200, Deduct	*-1.59*	
		For >200 To 500, Deduct	*-3.19*	
		For >500, Deduct	*-4.54*	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	38.66	3.74
		For >16 To 200, Deduct	*-2.21*	
		For >200 To 500, Deduct	*-4.43*	
		For >500, Deduct	*-6.36*	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	51.89	3.97
		For >16 To 200, Deduct	*-2.89*	
		For >200 To 500, Deduct	*-5.78*	
		For >500, Deduct	*-8.38*	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	70.82	4.81
		For >16 To 200, Deduct	*-3.90*	
		For >200 To 500, Deduct	*-7.80*	
		For >500, Deduct	*-11.34*	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	117.36	5.16
		For >16 To 200, Deduct	*-6.25*	
		For >200 To 500, Deduct	*-12.51*	
		For >500, Deduct	*-18.38*	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	149.95	6.00
		For >16 To 200, Deduct	*-7.95*	
		For >200 To 500, Deduct	*-15.90*	
		For >500, Deduct	*-23.39*	

05 75 00 00-0025 Aluminum Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	12.25	2.65
		For >16 To 200, Deduct	*-0.81*	
		For >200 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.24*	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	13.91	2.95
		For >16 To 200, Deduct	*-0.92*	
		For >200 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.53*	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	15.50	3.18
		For >16 To 200, Deduct	*-1.01*	
		For >200 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.80*	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	17.14	3.34
		For >16 To 200, Deduct	*-1.11*	
		For >200 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-3.07*	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	18.78	3.49
		For >16 To 200, Deduct	*-1.20*	
		For >200 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-3.34*	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	20.58	3.66
		For >16 To 200, Deduct	*-1.30*	
		For >200 To 500, Deduct	*-2.61*	
		For >500, Deduct	*-3.64*	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	22.78	3.83
		For >16 To 200, Deduct	*-1.43*	
		For >200 To 500, Deduct	*-2.85*	
		For >500, Deduct	*-3.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	27.08	4.46
		For >16 To 200, Deduct	*-1.69*	
		For >200 To 500, Deduct	*-3.38*	
		For >500, Deduct	*-4.73*	

05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	10.71	2.65
		For >16 To 200, Deduct	*-0.73*	
		For >200 To 500, Deduct	*-1.47*	
		For >500, Deduct	*-2.00*	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.88	2.95
		For >16 To 200, Deduct	*-0.82*	
		For >200 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.22*	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	12.66	3.18
		For >16 To 200, Deduct	*-0.87*	
		For >200 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.38*	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.42	3.34
		For >16 To 200, Deduct	*-0.92*	
		For >200 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.52*	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	14.40	3.49
		For >16 To 200, Deduct	*-0.98*	
		For >200 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.69*	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	15.44	3.66
		For >16 To 200, Deduct	*-1.05*	
		For >200 To 500, Deduct	*-2.09*	
		For >500, Deduct	*-2.87*	
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	17.06	3.83
		For >16 To 200, Deduct	*-1.14*	
		For >200 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.13*	
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	19.43	4.14
		For >16 To 200, Deduct	*-1.28*	
		For >200 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.54*	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	22.40	4.78
		For >16 To 200, Deduct	*-1.48*	
		For >200 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-4.08*	

05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	13.83	2.51
		For >16 To 200, Deduct	*-0.94*	
		For >200 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.58*	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	15.92	2.85
		For >16 To 200, Deduct	*-1.08*	
		For >200 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.96*	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	17.99	3.16
		For >16 To 200, Deduct	*-1.22*	
		For >200 To 500, Deduct	*-2.43*	
		For >500, Deduct	*-3.33*	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	19.81	3.41
		For >16 To 200, Deduct	*-1.33*	
		For >200 To 500, Deduct	*-2.66*	
		For >500, Deduct	*-3.65*	

END OF SECTION 05

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites *(06)*

06 01 20 Maintenance of Finish Carpentry *(06 01)*

06 01 20 91 Finish Carpentry Restoration *(06 01 20)*

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	10.23	

06 01 40 Maintenance of Architectural Woodwork *(06 01)*

06 01 40 51 Architectural Woodwork Cleaning *(06 01 40)*

See CSI section 09 01 90 52-0035 for cleaning of wood surfaces.

06 01 40 91 Architectural Woodwork Restoration *(06 01 40)*

06 01 40 91-0001 Cabinet Hardware Replacement *(06 01 40 91)*

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	47.40	
06 01 40 91-0003	EA	Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges	46.96	

06 05 Common Work Results for Wood, Plastics, and Composites *(06)*

06 05 23 Wood, Plastic, and Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	15.38	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-3.82*	
		For >500, Deduct	*-5.41*	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	20.37	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.40*	
		For >500, Deduct	*-6.21*	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	22.33	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.55*	
		For >500, Deduct	*-6.41*	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt	43.88	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.34*	
		For >250 To 500, Deduct	*-7.22*	
		For >500, Deduct	*-10.10*	

06 05 23 00-0006 Framing Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)	8.45	4.07
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.95*	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)	9.45	4.47
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-4.43*	

06 05 23 00-0009 Angle Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)	8.54	4.07
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)	9.33	4.34
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.97*	
		For >500, Deduct	*-4.24*	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)	15.14	4.47
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-5.00*	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)	13.78	4.47
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.87*	
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)	15.07	5.02
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.77*	
		For >500, Deduct	*-5.35*	
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	16.99	5.29
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.20*	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-4.11*	
		For >500, Deduct	*-5.83*	

06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors *(06 05 23)*

Note: Including nails.

06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	9.26	3.80
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-4.03*	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	11.20	4.07
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-3.10*	
		For >500, Deduct	*-4.40*	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	12.60	4.20
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-4.65*	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	13.90	4.34
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.95*	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	9.99	3.80
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-4.10*	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	10.95	4.07
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-4.38*	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	12.54	4.20
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.27*	
		For >500, Deduct	*-4.65*	
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	14.68	4.34
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.55*	
		For >500, Deduct	*-5.03*	

06 05 23 00-0025 Hold Down Anchors *(06 05 23)*

Note: Including nails.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	64.53	
		For >10 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-4.77*	
		For >100 To 250, Deduct	*-9.53*	
		For >250 To 500, Deduct	*-16.40*	
		For >500, Deduct	*-23.27*	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	87.61	
		For >10 To 50, Deduct	*-2.17*	
		For >50 To 100, Deduct	*-5.44*	
		For >100 To 250, Deduct	*-10.89*	
		For >250 To 500, Deduct	*-18.50*	
		For >500, Deduct	*-26.12*	
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	106.74	
		For >10 To 50, Deduct	*-2.31*	
		For >50 To 100, Deduct	*-6.13*	
		For >100 To 250, Deduct	*-12.25*	
		For >250 To 500, Deduct	*-20.69*	
		For >500, Deduct	*-29.12*	
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	125.45	
		For >10 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-7.00*	
		For >100 To 250, Deduct	*-14.00*	
		For >250 To 500, Deduct	*-23.58*	
		For >500, Deduct	*-33.15*	
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	199.94	
		For >10 To 50, Deduct	*-3.25*	
		For >50 To 100, Deduct	*-9.88*	
		For >100 To 250, Deduct	*-19.76*	
		For >250 To 500, Deduct	*-32.90*	
		For >500, Deduct	*-46.03*	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	265.74	
		For >10 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-11.73*	
		For >100 To 250, Deduct	*-23.46*	
		For >250 To 500, Deduct	*-38.58*	
		For >500, Deduct	*-53.69*	
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	74.64	
		For >10 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-5.02*	
		For >100 To 250, Deduct	*-10.04*	
		For >250 To 500, Deduct	*-17.16*	
		For >500, Deduct	*-24.28*	
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	82.03	
		For >10 To 50, Deduct	*-2.17*	
		For >50 To 100, Deduct	*-5.31*	
		For >100 To 250, Deduct	*-10.61*	
		For >250 To 500, Deduct	*-18.08*	
		For >500, Deduct	*-25.56*	
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	91.43	
		For >10 To 50, Deduct	*-2.31*	
		For >50 To 100, Deduct	*-5.74*	
		For >100 To 250, Deduct	*-11.49*	
		For >250 To 500, Deduct	*-19.54*	
		For >500, Deduct	*-27.59*	
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	111.92	
		For >10 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-6.66*	
		For >100 To 250, Deduct	*-13.32*	
		For >250 To 500, Deduct	*-22.56*	
		For >500, Deduct	*-31.80*	
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	143.91	
		For >10 To 50, Deduct	*-3.25*	
		For >50 To 100, Deduct	*-8.48*	
		For >100 To 250, Deduct	*-16.96*	
		For >250 To 500, Deduct	*-28.69*	
		For >500, Deduct	*-40.43*	
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	159.88	
		For >10 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-9.08*	
		For >100 To 250, Deduct	*-18.16*	
		For >250 To 500, Deduct	*-30.64*	
		For >500, Deduct	*-43.11*	

06 05 23 00-0038 Joist And Beam Hangers *(06 05 23)*

Note: Including nails.

06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	8.91	3.80
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.61*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28)	9.84	4.07
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-4.27*	
06 05 23 00-0041	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	13.27	4.20
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.94*	
		For >250 To 500, Deduct	*-3.33*	
		For >500, Deduct	*-4.72*	
06 05 23 00-0042	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	14.38	4.34
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-5.00*	
06 05 23 00-0043	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46)	21.19	4.61
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-4.11*	
		For >500, Deduct	*-5.78*	
06 05 23 00-0044	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412)	24.98	4.75
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.66*	
		For >250 To 500, Deduct	*-4.45*	
		For >500, Deduct	*-6.25*	

06 05 23 00-0045 Anchor And Ties *(06 05 23)*

Note: Including nails.

06 05 23 00-0046	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4) Note: Includes nails. Excludes anchor bolt.	36.78	
06 05 23 00-0047	EA	16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5) Note: Includes nails. Excludes anchor bolt.	45.52	
06 05 23 00-0048	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ)	5.20	
06 05 23 00-0049	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ)	5.79	

06 05 23 00-0050 Hurricane Ties *(06 05 23)*

06 05 23 00-0051	EA	6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A)	9.90	4.20
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.31*	
		For >500, Deduct	*-4.73*	
06 05 23 00-0052	EA	6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ)	3.48	
06 05 23 00-0053	EA	6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	8.59	
06 05 23 00-0054	EA	10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	11.80	4.20
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-3.46*	
		For >500, Deduct	*-4.92*	
06 05 23 00-0055	EA	19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6)	18.17	

06 05 23 00-0056 Post Column Bases *(06 05 23)*

Note: Including nails.

06 05 23 00-0057	EA	Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44)	33.32	
06 05 23 00-0058	EA	Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	50.63	
06 05 23 00-0059	EA	Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	52.16	

06 05 23 00-0060 Post Column Caps *(06 05 23)*

Note: Including nails.

06 05 23 00-0061	EA	4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	19.25	4.75
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-4.31*	
		For >500, Deduct	*-6.10*	
06 05 23 00-0062	EA	6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	40.20	4.75
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.66*	
		For >250 To 500, Deduct	*-6.04*	
		For >500, Deduct	*-8.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0063	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4)	193.54	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 250, Deduct	*-13.75*	
		For >250 To 500, Deduct	*-21.97*	
		For >500, Deduct	*-30.20*	
		For Hot Dipped Galvanized, Add	*74.89*	
06 05 23 00-0064	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	201.98	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-7.34*	
		For >100 To 250, Deduct	*-14.68*	
		For >250 To 500, Deduct	*-23.54*	
		For >500, Deduct	*-32.40*	
		For Hot Dipped Galvanized, Add	*77.16*	
06 05 23 00-0065	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44)	126.14	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-10.38*	
		For >250 To 500, Deduct	*-16.92*	
		For >500, Deduct	*-23.46*	
		For Hot Dipped Galvanized, Add	*44.56*	
06 05 23 00-0066	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	197.88	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 250, Deduct	*-14.47*	
		For >250 To 500, Deduct	*-23.23*	
		For >500, Deduct	*-31.99*	
		For Hot Dipped Galvanized, Add	*75.32*	
06 05 23 00-0067	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48)	206.73	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 250, Deduct	*-14.91*	
		For >250 To 500, Deduct	*-23.90*	
		For >500, Deduct	*-32.88*	
		For Hot Dipped Galvanized, Add	*79.30*	
06 05 23 00-0068	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	210.91	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 250, Deduct	*-14.92*	
		For >250 To 500, Deduct	*-23.84*	
		For >500, Deduct	*-32.76*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0069	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	213.62	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.73*	
		For >100 To 250, Deduct	*-15.46*	
		For >250 To 500, Deduct	*-24.79*	
		For >500, Deduct	*-34.11*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0070	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	213.62	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.73*	
		For >100 To 250, Deduct	*-15.46*	
		For >250 To 500, Deduct	*-24.79*	
		For >500, Deduct	*-34.11*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0071	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	245.64	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-8.33*	
		For >100 To 250, Deduct	*-16.66*	
		For >250 To 500, Deduct	*-26.44*	
		For >500, Deduct	*-36.23*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0072	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	248.35	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-8.60*	
		For >100 To 250, Deduct	*-17.20*	
		For >250 To 500, Deduct	*-27.39*	
		For >500, Deduct	*-37.58*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0073	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	248.35	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-8.60*	
		For >100 To 250, Deduct	*-17.20*	
		For >250 To 500, Deduct	*-27.39*	
		For >500, Deduct	*-37.58*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0074	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84)	299.41	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-9.67*	
		For >100 To 250, Deduct	*-19.34*	
		For >250 To 500, Deduct	*-30.47*	
		For >500, Deduct	*-41.61*	
		For Hot Dipped Galvanized, Add	*121.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0075	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86)	302.12	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-9.94*	
		For >100 To 250, Deduct	*-19.89*	
		For >250 To 500, Deduct	*-31.42*	
		For >500, Deduct	*-42.96*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0076	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88)	302.12	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-9.94*	
		For >100 To 250, Deduct	*-19.89*	
		For >250 To 500, Deduct	*-31.42*	
		For >500, Deduct	*-42.96*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0077	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4) Note: Excludes field welding	193.54	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 250, Deduct	*-13.75*	
		For >250 To 500, Deduct	*-21.97*	
		For >500, Deduct	*-30.20*	
		For Hot Dipped Galvanized, Add	*74.89*	
06 05 23 00-0078	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6)	201.98	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-7.34*	
		For >100 To 250, Deduct	*-14.68*	
		For >250 To 500, Deduct	*-23.54*	
		For >500, Deduct	*-32.40*	
		For Hot Dipped Galvanized, Add	*77.16*	
06 05 23 00-0079	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44) Note: Excludes field welding	126.14	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-10.38*	
		For >250 To 500, Deduct	*-16.92*	
		For >500, Deduct	*-23.46*	
		For Hot Dipped Galvanized, Add	*44.56*	
06 05 23 00-0080	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46)	197.88	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 250, Deduct	*-14.47*	
		For >250 To 500, Deduct	*-23.23*	
		For >500, Deduct	*-31.99*	
		For Hot Dipped Galvanized, Add	*75.32*	
06 05 23 00-0081	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48) Note: Excludes field welding	206.73	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 250, Deduct	*-14.91*	
		For >250 To 500, Deduct	*-23.90*	
		For >500, Deduct	*-32.88*	
		For Hot Dipped Galvanized, Add	*79.30*	
06 05 23 00-0082	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64)	210.91	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 250, Deduct	*-14.92*	
		For >250 To 500, Deduct	*-23.84*	
		For >500, Deduct	*-32.76*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0083	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66)	213.62	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.73*	
		For >100 To 250, Deduct	*-15.46*	
		For >250 To 500, Deduct	*-24.79*	
		For >500, Deduct	*-34.11*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0084	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68)	213.62	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-7.73*	
		For >100 To 250, Deduct	*-15.46*	
		For >250 To 500, Deduct	*-24.79*	
		For >500, Deduct	*-34.11*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0085	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4)	245.64	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-8.33*	
		For >100 To 250, Deduct	*-16.66*	
		For >250 To 500, Deduct	*-26.44*	
		For >500, Deduct	*-36.23*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0086	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6)	248.35	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-8.60*	
		For >100 To 250, Deduct	*-17.20*	
		For >250 To 500, Deduct	*-27.39*	
		For >500, Deduct	*-37.58*	
		For Hot Dipped Galvanized, Add	*97.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8)	248.35	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-8.60*	
		For >100 To 250, Deduct	*-17.20*	
		For >250 To 500, Deduct	*-27.39*	
		For >500, Deduct	*-37.58*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84)	299.41	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-9.67*	
		For >100 To 250, Deduct	*-19.34*	
		For >250 To 500, Deduct	*-30.47*	
		For >500, Deduct	*-41.61*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86)	302.12	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-9.94*	
		For >100 To 250, Deduct	*-19.89*	
		For >250 To 500, Deduct	*-31.42*	
		For >500, Deduct	*-42.96*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0090	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88)	302.12	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-9.94*	
		For >100 To 250, Deduct	*-19.89*	
		For >250 To 500, Deduct	*-31.42*	
		For >500, Deduct	*-42.96*	
		For Hot Dipped Galvanized, Add	*121.61*	

06 05 23 00-0091 Rafter Connectors *(06 05 23)*

06 05 23 00-0092	EA	Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR)	11.51	4.20
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.89*	

06 05 23 00-0093 Bolts And Fasteners *(06 05 23)*

06 05 23 00-0094 Carriage Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material. Includes nut and washer.

06 05 23 00-0095 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0096	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.00	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.54*	
		For >250 To 500, Deduct	*-6.20*	
		For >500, Deduct	*-8.85*	
06 05 23 00-0097	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.16	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-6.21*	
		For >500, Deduct	*-8.86*	
06 05 23 00-0098	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.26	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.56*	
		For >250 To 500, Deduct	*-6.22*	
		For >500, Deduct	*-8.87*	
06 05 23 00-0099	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.28	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.06*	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 500, Deduct	*-7.19*	
		For >500, Deduct	*-10.26*	
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.80	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 250, Deduct	*-3.84*	
		For >250 To 500, Deduct	*-6.70*	
		For >500, Deduct	*-9.57*	
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.43	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.06*	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-10.28*	
06 05 23 00-0102	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.69	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 250, Deduct	*-4.14*	
		For >250 To 500, Deduct	*-7.22*	
		For >500, Deduct	*-10.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.95	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 500, Deduct	*-8.66*	
		For >500, Deduct	*-12.36*	
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.10	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.64*	
		For >100 To 250, Deduct	*-5.27*	
		For >250 To 500, Deduct	*-9.19*	
		For >500, Deduct	*-13.12*	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.59	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-2.93*	
		For >100 To 250, Deduct	*-5.85*	
		For >250 To 500, Deduct	*-10.20*	
		For >500, Deduct	*-14.55*	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.99	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 500, Deduct	*-7.24*	
		For >500, Deduct	*-10.34*	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.03	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 250, Deduct	*-4.46*	
		For >250 To 500, Deduct	*-7.77*	
		For >500, Deduct	*-11.08*	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.60	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 250, Deduct	*-4.74*	
		For >250 To 500, Deduct	*-8.26*	
		For >500, Deduct	*-11.78*	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.70	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 250, Deduct	*-5.30*	
		For >250 To 500, Deduct	*-9.24*	
		For >500, Deduct	*-13.18*	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	33.68	
		For >10 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-6.16*	
		For >250 To 500, Deduct	*-10.73*	
		For >500, Deduct	*-15.30*	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	37.63	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 250, Deduct	*-6.76*	
		For >250 To 500, Deduct	*-11.77*	
		For >500, Deduct	*-16.78*	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.66	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-5.14*	
		For >250 To 500, Deduct	*-8.94*	
		For >500, Deduct	*-12.73*	
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.08	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.73*	
		For >100 To 250, Deduct	*-5.47*	
		For >250 To 500, Deduct	*-9.49*	
		For >500, Deduct	*-13.52*	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	38.31	
		For >10 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-6.39*	
		For >250 To 500, Deduct	*-11.08*	
		For >500, Deduct	*-15.76*	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	42.80	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-3.41*	
		For >100 To 250, Deduct	*-6.82*	
		For >250 To 500, Deduct	*-11.79*	
		For >500, Deduct	*-16.76*	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	46.48	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 250, Deduct	*-7.41*	
		For >250 To 500, Deduct	*-12.81*	
		For >500, Deduct	*-18.21*	
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	47.48	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 250, Deduct	*-7.66*	
		For >250 To 500, Deduct	*-13.26*	
		For >500, Deduct	*-18.85*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0118		Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*		
06 05 23 00-0119	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.29	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.56*	
		For >250 To 500, Deduct	*-6.22*	
		For >500, Deduct	*-8.88*	
06 05 23 00-0120	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.60	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.57*	
		For >250 To 500, Deduct	*-6.24*	
		For >500, Deduct	*-8.91*	
06 05 23 00-0121	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.94	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 500, Deduct	*-6.27*	
		For >500, Deduct	*-8.94*	
06 05 23 00-0122	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.43	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-4.17*	
		For >250 To 500, Deduct	*-7.28*	
		For >500, Deduct	*-10.38*	
06 05 23 00-0123	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.21	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 250, Deduct	*-3.86*	
		For >250 To 500, Deduct	*-6.74*	
		For >500, Deduct	*-9.61*	
06 05 23 00-0124	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.07	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 500, Deduct	*-7.25*	
		For >500, Deduct	*-10.34*	
06 05 23 00-0125	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.45	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-4.17*	
		For >250 To 500, Deduct	*-7.28*	
		For >500, Deduct	*-10.38*	
06 05 23 00-0126	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.10	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-5.02*	
		For >250 To 500, Deduct	*-8.75*	
		For >500, Deduct	*-12.47*	
06 05 23 00-0127	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.39	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 250, Deduct	*-5.34*	
		For >250 To 500, Deduct	*-9.29*	
		For >500, Deduct	*-13.25*	
06 05 23 00-0128	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.79	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-2.96*	
		For >100 To 250, Deduct	*-5.91*	
		For >250 To 500, Deduct	*-10.29*	
		For >500, Deduct	*-14.67*	
06 05 23 00-0129	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.95	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 500, Deduct	*-7.31*	
		For >500, Deduct	*-10.43*	
06 05 23 00-0130	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.79	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-4.49*	
		For >250 To 500, Deduct	*-7.83*	
		For >500, Deduct	*-11.16*	
06 05 23 00-0131	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.50	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-4.78*	
		For >250 To 500, Deduct	*-8.33*	
		For >500, Deduct	*-11.87*	
06 05 23 00-0132	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.00	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 250, Deduct	*-5.37*	
		For >250 To 500, Deduct	*-9.34*	
		For >500, Deduct	*-13.31*	
06 05 23 00-0133	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.95	
		For >10 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 250, Deduct	*-6.22*	
		For >250 To 500, Deduct	*-10.82*	
		For >500, Deduct	*-15.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	38.61	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-3.41*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-11.84*	
		For >500, Deduct	*-16.88*	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.56	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.64*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-9.15*	
		For >500, Deduct	*-13.02*	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.10	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-5.57*	
		For >250 To 500, Deduct	*-9.64*	
		For >500, Deduct	*-13.72*	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	39.75	
		For >10 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-6.46*	
		For >250 To 500, Deduct	*-11.18*	
		For >500, Deduct	*-15.91*	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	42.69	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-3.41*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-11.78*	
		For >500, Deduct	*-16.75*	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	48.35	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-7.50*	
		For >250 To 500, Deduct	*-12.95*	
		For >500, Deduct	*-18.40*	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	51.38	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-3.93*	
		For >100 To 250, Deduct	*-7.86*	
		For >250 To 500, Deduct	*-13.55*	
		For >500, Deduct	*-19.24*	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.10	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-6.28*	
		For >500, Deduct	*-8.96*	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.72	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.84*	
		For >100 To 250, Deduct	*-3.68*	
		For >250 To 500, Deduct	*-6.40*	
		For >500, Deduct	*-9.12*	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.78	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.48*	
		For >500, Deduct	*-9.23*	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	35.90	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.85*	
		For >250 To 500, Deduct	*-8.29*	
		For >500, Deduct	*-11.73*	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.96	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-6.87*	
		For >500, Deduct	*-9.79*	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	25.67	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 500, Deduct	*-7.52*	
		For >500, Deduct	*-10.70*	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.17	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 500, Deduct	*-7.56*	
		For >500, Deduct	*-10.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	47.13	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-3.01*	
		For >100 To 250, Deduct	*-6.02*	
		For >250 To 500, Deduct	*-10.25*	
		For >500, Deduct	*-14.48*	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	56.92	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 250, Deduct	*-6.71*	
		For >250 To 500, Deduct	*-11.36*	
		For >500, Deduct	*-16.00*	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	63.72	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-7.46*	
		For >250 To 500, Deduct	*-12.61*	
		For >500, Deduct	*-17.76*	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	27.56	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.43*	
		For >250 To 500, Deduct	*-7.66*	
		For >500, Deduct	*-10.89*	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	31.17	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 250, Deduct	*-4.81*	
		For >250 To 500, Deduct	*-8.31*	
		For >500, Deduct	*-11.80*	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	37.44	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 250, Deduct	*-5.33*	
		For >250 To 500, Deduct	*-9.15*	
		For >500, Deduct	*-12.96*	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	58.41	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 250, Deduct	*-6.79*	
		For >250 To 500, Deduct	*-11.47*	
		For >500, Deduct	*-16.15*	
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	66.04	
		For >10 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.89*	
		For >100 To 250, Deduct	*-7.78*	
		For >250 To 500, Deduct	*-13.16*	
		For >500, Deduct	*-18.54*	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	102.22	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 250, Deduct	*-9.99*	
		For >250 To 500, Deduct	*-16.62*	
		For >500, Deduct	*-23.24*	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	79.44	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-3.92*	
		For >100 To 250, Deduct	*-7.84*	
		For >250 To 500, Deduct	*-13.04*	
		For >500, Deduct	*-18.25*	
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	111.79	
		For >10 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-5.03*	
		For >100 To 250, Deduct	*-10.06*	
		For >250 To 500, Deduct	*-16.59*	
		For >500, Deduct	*-23.11*	
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	123.69	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-5.43*	
		For >100 To 250, Deduct	*-10.86*	
		For >250 To 500, Deduct	*-17.85*	
		For >500, Deduct	*-24.85*	
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	181.33	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 250, Deduct	*-14.15*	
		For >250 To 500, Deduct	*-22.92*	
		For >500, Deduct	*-31.69*	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	190.70	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-7.41*	
		For >100 To 250, Deduct	*-14.82*	
		For >250 To 500, Deduct	*-24.00*	
		For >500, Deduct	*-33.17*	

06 05 23 00-0163 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0164	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	26.58	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.99*	
		For >100 To 250, Deduct	*-3.97*	
		For >250 To 500, Deduct	*-6.84*	
		For >500, Deduct	*-9.71*	
06 05 23 00-0165	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	29.42	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.06*	
		For >100 To 250, Deduct	*-4.11*	
		For >250 To 500, Deduct	*-7.05*	
		For >500, Deduct	*-9.99*	
06 05 23 00-0166	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	31.75	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 250, Deduct	*-4.43*	
		For >250 To 500, Deduct	*-7.60*	
		For >500, Deduct	*-10.77*	
06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	37.05	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.45*	
		For >100 To 250, Deduct	*-4.90*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.84*	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	49.69	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 250, Deduct	*-5.54*	
		For >250 To 500, Deduct	*-9.32*	
		For >500, Deduct	*-13.11*	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	54.12	
		For >10 To 50, Deduct	*-1.09*	
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 250, Deduct	*-5.96*	
		For >250 To 500, Deduct	*-10.03*	
		For >500, Deduct	*-14.09*	
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	58.29	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 250, Deduct	*-6.37*	
		For >250 To 500, Deduct	*-10.71*	
		For >500, Deduct	*-15.05*	

06 05 23 00-0171 Hex Lag Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	17.18	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-3.40*	
		For >250 To 500, Deduct	*-5.95*	
		For >500, Deduct	*-8.50*	
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	17.32	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-3.41*	
		For >250 To 500, Deduct	*-5.96*	
		For >500, Deduct	*-8.51*	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	17.61	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.42*	
		For >250 To 500, Deduct	*-5.98*	
		For >500, Deduct	*-8.54*	
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	18.91	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.72*	
		For >250 To 500, Deduct	*-6.50*	
		For >500, Deduct	*-9.28*	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	20.52	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-4.00*	
		For >250 To 500, Deduct	*-6.98*	
		For >500, Deduct	*-9.97*	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	20.84	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.01*	
		For >100 To 250, Deduct	*-4.01*	
		For >250 To 500, Deduct	*-7.01*	
		For >500, Deduct	*-10.00*	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	25.44	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.83*	
		For >250 To 500, Deduct	*-8.44*	
		For >500, Deduct	*-12.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	26.94	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.55*	
		For >100 To 250, Deduct	*-5.11*	
		For >250 To 500, Deduct	*-8.91*	
		For >500, Deduct	*-12.72*	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	20.86	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 250, Deduct	*-4.03*	
		For >250 To 500, Deduct	*-7.05*	
		For >500, Deduct	*-10.06*	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	22.65	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-4.32*	
		For >250 To 500, Deduct	*-7.55*	
		For >500, Deduct	*-10.77*	
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	24.58	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 250, Deduct	*-4.62*	
		For >250 To 500, Deduct	*-8.06*	
		For >500, Deduct	*-11.50*	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	27.92	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-5.18*	
		For >250 To 500, Deduct	*-9.04*	
		For >500, Deduct	*-12.89*	
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	32.83	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-3.01*	
		For >100 To 250, Deduct	*-6.03*	
		For >250 To 500, Deduct	*-10.51*	
		For >500, Deduct	*-14.98*	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	35.82	
		For >10 To 50, Deduct	*-1.60*	
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-6.58*	
		For >250 To 500, Deduct	*-11.46*	
		For >500, Deduct	*-16.34*	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	29.86	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-2.64*	
		For >100 To 250, Deduct	*-5.28*	
		For >250 To 500, Deduct	*-9.18*	
		For >500, Deduct	*-13.09*	
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	35.53	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-6.16*	
		For >250 To 500, Deduct	*-10.71*	
		For >500, Deduct	*-15.25*	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	39.06	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-6.54*	
		For >250 To 500, Deduct	*-11.34*	
		For >500, Deduct	*-16.13*	
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	43.75	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-3.59*	
		For >100 To 250, Deduct	*-7.17*	
		For >250 To 500, Deduct	*-12.42*	
		For >500, Deduct	*-17.67*	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	48.63	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-3.81*	
		For >100 To 250, Deduct	*-7.62*	
		For >250 To 500, Deduct	*-13.15*	
		For >500, Deduct	*-18.69*	

06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.25	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-3.41*	
		For >250 To 500, Deduct	*-5.96*	
		For >500, Deduct	*-8.51*	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.47	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.42*	
		For >250 To 500, Deduct	*-5.97*	
		For >500, Deduct	*-8.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0195	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.69	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 500, Deduct	*-5.99*	
		For >500, Deduct	*-8.55*	
06 05 23 00-0196	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	19.03	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.72*	
		For >250 To 500, Deduct	*-6.51*	
		For >500, Deduct	*-9.29*	
06 05 23 00-0197	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.70	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-4.01*	
		For >250 To 500, Deduct	*-7.00*	
		For >500, Deduct	*-9.99*	
06 05 23 00-0198	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.07	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.01*	
		For >100 To 250, Deduct	*-4.02*	
		For >250 To 500, Deduct	*-7.03*	
		For >500, Deduct	*-10.03*	
06 05 23 00-0199	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	25.87	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.43*	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 500, Deduct	*-8.47*	
		For >500, Deduct	*-12.09*	
06 05 23 00-0200	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	27.66	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-5.14*	
		For >250 To 500, Deduct	*-8.97*	
		For >500, Deduct	*-12.79*	
06 05 23 00-0201	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.19	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.05*	
		For >250 To 500, Deduct	*-7.07*	
		For >500, Deduct	*-10.10*	
06 05 23 00-0202	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	22.84	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 500, Deduct	*-7.56*	
		For >500, Deduct	*-10.79*	
06 05 23 00-0203	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	24.90	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 250, Deduct	*-4.64*	
		For >250 To 500, Deduct	*-8.08*	
		For >500, Deduct	*-11.53*	
06 05 23 00-0204	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	28.90	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-2.62*	
		For >100 To 250, Deduct	*-5.23*	
		For >250 To 500, Deduct	*-9.11*	
		For >500, Deduct	*-12.99*	
06 05 23 00-0205	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	33.31	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-3.03*	
		For >100 To 250, Deduct	*-6.05*	
		For >250 To 500, Deduct	*-10.54*	
		For >500, Deduct	*-15.03*	
06 05 23 00-0206	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	37.00	
		For >10 To 50, Deduct	*-1.60*	
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-6.64*	
		For >250 To 500, Deduct	*-11.55*	
		For >500, Deduct	*-16.46*	
06 05 23 00-0207	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	30.58	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 250, Deduct	*-5.32*	
		For >250 To 500, Deduct	*-9.24*	
		For >500, Deduct	*-13.16*	
06 05 23 00-0208	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	36.19	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-3.10*	
		For >100 To 250, Deduct	*-6.20*	
		For >250 To 500, Deduct	*-10.76*	
		For >500, Deduct	*-15.32*	
06 05 23 00-0209	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	40.16	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-6.59*	
		For >250 To 500, Deduct	*-11.42*	
		For >500, Deduct	*-16.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	46.35	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-3.65*	
		For >100 To 250, Deduct	*-7.30*	
		For >250 To 500, Deduct	*-12.62*	
		For >500, Deduct	*-17.93*	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	51.41	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-7.75*	
		For >250 To 500, Deduct	*-13.36*	
		For >500, Deduct	*-18.97*	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	17.97	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 250, Deduct	*-3.44*	
		For >250 To 500, Deduct	*-6.01*	
		For >500, Deduct	*-8.58*	
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	18.73	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-3.48*	
		For >250 To 500, Deduct	*-6.07*	
		For >500, Deduct	*-8.65*	
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	20.79	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.58*	
		For >250 To 500, Deduct	*-6.22*	
		For >500, Deduct	*-8.86*	
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	21.07	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.82*	
		For >250 To 500, Deduct	*-6.66*	
		For >500, Deduct	*-9.50*	
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	23.55	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 500, Deduct	*-7.21*	
		For >500, Deduct	*-10.28*	
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	24.87	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-7.31*	
		For >500, Deduct	*-10.41*	
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	47.17	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.96*	
		For >100 To 250, Deduct	*-5.92*	
		For >250 To 500, Deduct	*-10.07*	
		For >500, Deduct	*-14.22*	
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	64.55	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-3.49*	
		For >100 To 250, Deduct	*-6.99*	
		For >250 To 500, Deduct	*-11.73*	
		For >500, Deduct	*-16.48*	
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	25.05	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 250, Deduct	*-4.24*	
		For >250 To 500, Deduct	*-7.36*	
		For >500, Deduct	*-10.48*	
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	29.13	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 250, Deduct	*-4.65*	
		For >250 To 500, Deduct	*-8.03*	
		For >500, Deduct	*-11.42*	
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	35.21	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-8.86*	
		For >500, Deduct	*-12.56*	
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	68.46	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-7.21*	
		For >250 To 500, Deduct	*-12.08*	
		For >500, Deduct	*-16.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	92.13	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-4.50*	
		For >100 To 250, Deduct	*-8.99*	
		For >250 To 500, Deduct	*-14.95*	
		For >500, Deduct	*-20.91*	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	107.14	
		For >10 To 50, Deduct	*-1.60*	
		For >50 To 100, Deduct	*-5.07*	
		For >100 To 250, Deduct	*-10.14*	
		For >250 To 500, Deduct	*-16.81*	
		For >500, Deduct	*-23.47*	
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	98.49	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-4.36*	
		For >100 To 250, Deduct	*-8.71*	
		For >250 To 500, Deduct	*-14.33*	
		For >500, Deduct	*-19.95*	
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	112.66	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-5.01*	
		For >100 To 250, Deduct	*-10.02*	
		For >250 To 500, Deduct	*-16.49*	
		For >500, Deduct	*-22.97*	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	117.26	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-10.45*	
		For >250 To 500, Deduct	*-17.20*	
		For >500, Deduct	*-23.95*	
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	160.58	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-6.51*	
		For >100 To 250, Deduct	*-13.02*	
		For >250 To 500, Deduct	*-21.18*	
		For >500, Deduct	*-29.35*	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	174.86	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 250, Deduct	*-13.93*	
		For >250 To 500, Deduct	*-22.62*	
		For >500, Deduct	*-31.31*	

06 05 23 00-0232 Stainless Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw	2.63
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw	2.68
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw	2.75
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw	2.95

06 05 23 00-0237 Galvanized Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw	2.46
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw	2.50
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw	2.57
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw	2.73
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw	2.50
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw	2.54
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw	2.61
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw	2.82

06 05 23 00-0246 Timber Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	41.71	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 250, Deduct	*-6.30*	
		For >250 To 500, Deduct	*-10.85*	
		For >500, Deduct	*-15.40*	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	47.10	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-7.07*	
		For >250 To 500, Deduct	*-12.17*	
		For >500, Deduct	*-17.28*	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	50.84	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.78*	
		For >100 To 250, Deduct	*-7.56*	
		For >250 To 500, Deduct	*-13.02*	
		For >500, Deduct	*-18.47*	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	56.52	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 250, Deduct	*-8.13*	
		For >250 To 500, Deduct	*-13.97*	
		For >500, Deduct	*-19.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	60.13	
		For >10 To 50, Deduct	*-1.86*	
		For >50 To 100, Deduct	*-4.30*	
		For >100 To 250, Deduct	*-8.60*	
		For >250 To 500, Deduct	*-14.76*	
		For >500, Deduct	*-20.93*	
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	62.45	
		For >10 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-4.48*	
		For >100 To 250, Deduct	*-8.96*	
		For >250 To 500, Deduct	*-15.39*	
		For >500, Deduct	*-21.82*	
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	55.91	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 250, Deduct	*-7.82*	
		For >250 To 500, Deduct	*-13.40*	
		For >500, Deduct	*-18.98*	
06 05 23 00-0254	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	58.47	
		For >10 To 50, Deduct	*-1.74*	
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 250, Deduct	*-8.15*	
		For >250 To 500, Deduct	*-13.96*	
		For >500, Deduct	*-19.78*	
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	64.65	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.38*	
		For >100 To 250, Deduct	*-8.77*	
		For >250 To 500, Deduct	*-14.99*	
		For >500, Deduct	*-21.22*	
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	69.35	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.64*	
		For >100 To 250, Deduct	*-9.29*	
		For >250 To 500, Deduct	*-15.87*	
		For >500, Deduct	*-22.46*	
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	74.45	
		For >10 To 50, Deduct	*-2.04*	
		For >50 To 100, Deduct	*-4.91*	
		For >100 To 250, Deduct	*-9.83*	
		For >250 To 500, Deduct	*-16.78*	
		For >500, Deduct	*-23.73*	

06 05 23 00-0258 Supports *(06 05 23)*

06 05 23 00-0259 Shear Plates *(06 05 23 00-0258)*

06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	16.66	5.02
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-4.36*	
		For >500, Deduct	*-6.19*	
06 05 23 00-0261	EA	4" Diameter, Shear Plate	16.29	5.29
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.46*	
		For >500, Deduct	*-6.35*	

06 05 23 00-0262 Sill Anchors *(06 05 23 00-0258)*

06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	14.83	5.29
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 250, Deduct	*-2.51*	
		For >250 To 500, Deduct	*-4.35*	
		For >500, Deduct	*-6.20*	

06 05 23 00-0264 Spike Grids *(06 05 23 00-0258)*

06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	13.43	5.02
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-4.11*	
		For >500, Deduct	*-5.86*	

06 05 23 00-0266 Split Rings *(06 05 23 00-0258)*

06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	16.84	5.02
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-4.37*	
		For >500, Deduct	*-6.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0268	EA	4" Diameter Split Ring	18.17	5.56
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.76*	
		For >250 To 500, Deduct	*-4.75*	
		For >500, Deduct	*-6.75*	

06 05 23 00-0269 Toothed Rings *(06 05 23 00-0258)*

06 05 23 00-0270	EA	2-5/8" Or 4" Toothed Ring	14.08	5.02
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.20*	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-4.16*	
		For >500, Deduct	*-5.93*	

06 05 23 00-0271 Straps And Shields *(06 05 23)*

06 05 23 00-0272 Shield Plate *(06 05 23 00-0271)*

06 05 23 00-0273	EA	5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	9.27	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.71*	
06 05 23 00-0274	EA	5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	14.57	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.60*	
		For >500, Deduct	*-2.39*	

06 05 23 00-0275 Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0276	EA	1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9)	3.79	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-1.00*	
06 05 23 00-0277	EA	1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12)	3.88	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-1.01*	
06 05 23 00-0278	EA	1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15)	4.94	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.27*	
06 05 23 00-0279	EA	1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18)	5.11	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.29*	
06 05 23 00-0280	EA	1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21)	5.29	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.31*	
06 05 23 00-0281	EA	1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24)	6.11	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.55*	
06 05 23 00-0282	EA	1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30)	7.74	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.71*	
06 05 23 00-0283	EA	1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36)	8.97	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.99*	
06 05 23 00-0284	EA	1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9)	4.16	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-1.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12)	4.29	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-1.05*	
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15)	5.45	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.32*	
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18)	5.67	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.35*	
06 05 23 00-0288	EA	1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21)	5.77	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.36*	
06 05 23 00-0289	EA	1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24)	6.62	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.60*	
06 05 23 00-0290	EA	1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30)	8.08	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.74*	
06 05 23 00-0291	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36)	8.99	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.99*	
06 05 23 00-0292	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49)	13.88	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.64*	
06 05 23 00-0293	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9)	4.83	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.11*	
06 05 23 00-0294	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12)	4.85	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.11*	
06 05 23 00-0295	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18)	5.90	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.37*	
06 05 23 00-0296	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22)	8.08	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.74*	
06 05 23 00-0297	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6)	6.78	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.30*	
06 05 23 00-0298	EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	7.44	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.37*	
06 05 23 00-0299	EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	9.73	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0300	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27)	14.33	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.37*	
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37)	17.80	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.93*	
		For >500, Deduct	*-2.87*	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48)	26.10	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.86*	
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60)	44.92	
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-1.28*	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-4.13*	
		For >500, Deduct	*-5.90*	
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72)	57.74	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 250, Deduct	*-3.23*	
		For >250 To 500, Deduct	*-5.18*	
		For >500, Deduct	*-7.33*	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28)	16.97	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.63*	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40)	21.82	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.27*	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52)	25.47	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.80*	
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66)	38.44	
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.65*	
		For >500, Deduct	*-5.25*	

06 05 23 00-0309 Twist Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12)	4.37	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.06*	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16)	5.43	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.24*	
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18)	6.24	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.40*	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20)	6.77	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.53*	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12)	4.32	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16)	5.51	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.25*	
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18)	6.38	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.42*	
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20)	6.82	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.54*	
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24)	9.17	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.85*	
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)	7.00	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.40*	
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)	8.39	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.70*	
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)	9.72	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.91*	

06 05 23 00-0322 Retrofit Plate Strap *(06 05 23 00-0271)*

06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)	7.06	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.49*	
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)	8.00	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.58*	
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)	9.50	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.73*	

06 05 23 00-0326 Stud Shoe *(06 05 23 00-0271)*

06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5)	11.81	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-2.12*	
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5)	22.83	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-3.22*	
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)	22.93	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.23*	
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)	30.59	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5)	28.76	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.81*	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	31.13	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-4.05*	
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3)	32.92	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.98*	
		For >500, Deduct	*-4.23*	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3)	49.53	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.22*	
		For >500, Deduct	*-5.89*	

06 05 23 00-0335 Nail Stops *(06 05 23 00-0271)*

06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1)	3.51	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.97*	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2)	3.67	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.99*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber	794.65	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber	149.24	

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist	5.38	2.32
		For Each Additional 2" x_" In The Built Up Member, Add	*0.92*	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist	6.69	2.73
		For Each Additional 2" x_" In The Built Up Member, Add	*1.30*	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist	8.54	3.27
		For Each Additional 2" x_" In The Built Up Member, Add	*1.81*	

06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post	5.38	2.32
		For Each Additional 2" x_" In The Built Up Member, Add	*0.92*	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post	6.69	2.73
		For Each Additional 2" x_" In The Built Up Member, Add	*1.30*	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post	8.54	3.27
		For Each Additional 2" x_" In The Built Up Member, Add	*1.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16		**Mechanically Graded Lumber** *(06 11)*		
06 11 16 00-0001		Sills And Plates *(06 11 16)*		
06 11 16 00-0002		Sills *(06 11 16 00-0001)*		
		Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0003	LF	2" x 4" Wood Sill	3.62	2.05
06 11 16 00-0004	LF	2" x 6" Wood Sill	4.34	2.32
06 11 16 00-0005	LF	2" x 8" Wood Sill	5.15	2.59
06 11 16 00-0006	LF	2" x 4" Pressure Treated Wood Sill	3.81	2.05
06 11 16 00-0007	LF	2" x 6" Pressure Treated Wood Sill	4.65	2.32
06 11 16 00-0008	LF	2" x 8" Pressure Treated Wood Sill	5.57	2.59
06 11 16 00-0009		Plates *(06 11 16 00-0001)*		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0010	LF	2" x 4" Wood Plate	3.62	2.05
06 11 16 00-0011	LF	2" x 6" Wood Plate	4.34	2.32
06 11 16 00-0012	LF	2" x 8" Wood Plate	5.12	2.59
06 11 16 00-0013	LF	2" x 4" Pressure Treated Wood Plate	3.81	2.05
06 11 16 00-0014	LF	2" x 6" Pressure Treated Wood Plate	4.65	2.32
06 11 16 00-0015	LF	2" x 8" Pressure Treated Wood Plate	5.54	2.59
06 11 16 00-0016		Sills And Plates From Redwood *(06 11 16 00-0001)*		
06 11 16 00-0017		Construction Grade/Rough *(06 11 16 00-0016)*		
06 11 16 00-0018	LF	2" x 6" Redwood, Construction Grade/Rough	6.77	2.32
06 11 16 00-0019	LF	2" x 8" Redwood, Construction Grade/Rough	8.96	2.59
06 11 16 00-0020	LF	2" x 10" Redwood, Construction Grade/Rough	10.89	2.87
06 11 16 00-0021	LF	2" x 12" Redwood, Construction Grade/Rough	13.15	3.14
06 11 16 00-0022		Con Heart/Smooth *(06 11 16 00-0016)*		
06 11 16 00-0023	LF	2" x 6" Redwood, Con Heart/Smooth	8.19	2.32
06 11 16 00-0024	LF	2" x 8" Redwood, Con Heart/Smooth	11.10	2.59
06 11 16 00-0025	LF	2" x 10" Redwood, Con Heart/Smooth	14.52	2.87
06 11 16 00-0026	LF	2" x 12" Redwood, Con Heart/Smooth	17.45	3.14
06 11 16 00-0027		Suspended Ceiling Framing *(06 11 16)*		
06 11 16 00-0028	LF	1" x 2" Wood Suspended Ceiling Framing	2.98	1.77
06 11 16 00-0029	LF	1" x 3" Wood Suspended Ceiling Framing	3.25	1.92
06 11 16 00-0030	LF	1" x 4" Wood Suspended Ceiling Framing	3.40	2.05
06 11 16 00-0031	LF	2" x 2" Wood Suspended Ceiling Framing	3.50	2.05
06 11 16 00-0032	LF	2" x 4" Wood Suspended Ceiling Framing	4.16	2.32
06 11 16 00-0033	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.17	1.77
06 11 16 00-0034	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	3.26	1.92
06 11 16 00-0035	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.53	2.05
06 11 16 00-0036	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.66	2.05
06 11 16 00-0037	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	4.29	2.32
06 11 16 00-0038		Posts And Girts *(06 11 16)*		
06 11 16 00-0039		Posts *(06 11 16 00-0038)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0040	LF	4" x 4" Wood Post	5.25	2.59
06 11 16 00-0041	LF	4" x 5" Wood Post	5.99	3.00
06 11 16 00-0042	LF	4" x 6" Wood Post	6.61	3.27
06 11 16 00-0043	LF	6" x 6" Wood Post	7.34	3.55
06 11 16 00-0044	LF	8" x 8" Wood Post	8.07	3.69
06 11 16 00-0045	LF	10" x 10" Wood Post	8.80	4.23
06 11 16 00-0046	LF	4" x 4" Pressure Treated Wood Post	6.65	2.59
06 11 16 00-0047	LF	3" x 6" Pressure Treated Wood Post	7.63	3.27
06 11 16 00-0048	LF	4" x 6" Pressure Treated Wood Post	9.26	3.27
06 11 16 00-0049	LF	6" x 6" Pressure Treated Wood Post	12.73	3.55
06 11 16 00-0050		Girts *(06 11 16 00-0038)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0051	LF	2" x 4" Wood Girt	2.52	0.98
06 11 16 00-0052	LF	2" x 6" Wood Girt	3.08	1.07
06 11 16 00-0053	LF	2" x 8" Wood Girt	3.67	1.19
06 11 16 00-0054	LF	2" x 10" Wood Girt	4.43	1.31
06 11 16 00-0055	LF	4" x 4" Wood Girt	5.09	1.97
06 11 16 00-0056	LF	4" x 5" Wood Girt	5.83	2.21
06 11 16 00-0057	LF	4" x 6" Wood Girt	6.58	2.45
06 11 16 00-0058	LF	6" x 6" Wood Girt	7.31	2.71
06 11 16 00-0059	LF	8" x 8" Wood Girt	8.05	2.95
06 11 16 00-0060	LF	10" x 10" Wood Girt	8.79	3.20
06 11 16 00-0061	LF	2" x 4" Pressure Treated Wood Girt	2.71	0.98
06 11 16 00-0062	LF	2" x 6" Pressure Treated Wood Girt	3.39	1.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0063	LF	2" x 8" Pressure Treated Wood Girt	4.09	1.19
06 11 16 00-0064	LF	2" x 10" Pressure Treated Wood Girt	4.75	1.31
06 11 16 00-0065	LF	4" x 4" Pressure Treated Wood Girt	6.65	1.97
06 11 16 00-0066	LF	3" x 6" Pressure Treated Wood Girt	7.63	2.45
06 11 16 00-0067	LF	4" x 6" Pressure Treated Wood Girt	9.26	2.45
06 11 16 00-0068	LF	6" x 6" Pressure Treated Wood Girt	12.73	2.71
06 11 16 00-0069		**Construction Grade/Rough Redwood Posts** *(06 11 16 00-0038)*		
06 11 16 00-0070	LF	4" x 4" Redwood, Construction Grade/Rough Post	10.39	2.59
		For Smooth "Clear", Add	*1.29*	
06 11 16 00-0071	LF	4" x 5" Redwood, Construction Grade/Rough Post	12.49	3.00
		For Smooth "Clear", Add	*1.61*	
06 11 16 00-0072	LF	4" x 6" Redwood, Construction Grade/Rough Post	14.63	3.27
		For Smooth "Clear", Add	*1.94*	
06 11 16 00-0073	LF	4" x 8" Redwood, Construction Grade/Rough Post	18.08	3.37
		For Smooth "Clear", Add	*2.59*	
06 11 16 00-0074	LF	4" x 10" Redwood, Construction Grade/Rough Post	21.63	3.59
		For Smooth "Clear", Add	*3.24*	
06 11 16 00-0075	LF	6" x 6" Redwood, Construction Grade/Rough Post	19.98	3.55
		For Smooth "Clear", Add	*2.91*	
06 11 16 00-0076	LF	6" x 8" Redwood, Construction Grade/Rough Post	25.04	3.69
		For Smooth "Clear", Add	*3.89*	
06 11 16 00-0077	LF	6" x 10" Redwood, Construction Grade/Rough Post	30.06	3.46
		For Smooth "Clear", Add	*4.86*	
06 11 16 00-0078	LF	8" x 8" Redwood, Construction Grade/Rough Post	31.81	3.69
		For Smooth "Clear", Add	*5.18*	
06 11 16 00-0079		**Stair Stringers** *(06 11 16)*		
		See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0080	LF	2" x 10" Wood Stair Stringer	9.96	5.46
06 11 16 00-0081	LF	2" x 12" Wood Stair Stringer	11.77	6.41
06 11 16 00-0082	LF	2" x 10" Pressure Treated Wood Stair Stringer	10.32	5.46
06 11 16 00-0083	LF	2" x 12" Pressure Treated Wood Stair Stringer	12.34	6.41
06 11 16 00-0084		**Blocking And Sleepers** *(06 11 16)*		
06 11 16 00-0085		**Blocking** *(06 11 16 00-0084)*		
06 11 16 00-0086		**Blocking To Wood** *(06 11 16 00-0085)*		
06 11 16 00-0087	LF	2" x 4" Pressure Treated Wood Blocking To Wood	7.61	3.28
06 11 16 00-0088	LF	2" x 6" Pressure Treated Wood Blocking To Wood	8.98	3.61
06 11 16 00-0089	LF	2" x 8" Pressure Treated Wood Blocking To Wood	10.22	3.96
06 11 16 00-0090	LF	4" x 4" Pressure Treated Wood Blocking To Wood	11.79	4.36
06 11 16 00-0091	LF	4" x 6" Pressure Treated Wood Blocking To Wood	14.15	4.79
06 11 16 00-0092	LF	2" x 4" Wood Blocking To Wood	7.10	3.28
06 11 16 00-0093	LF	2" x 6" Wood Blocking To Wood	8.13	3.61
06 11 16 00-0094	LF	2" x 8" Wood Blocking To Wood	9.24	3.96
06 11 16 00-0095	LF	4" x 4" Wood Blocking To Wood	10.06	4.36
06 11 16 00-0096	LF	4" x 6" Wood Blocking To Wood	11.29	4.79
06 11 16 00-0097		**Blocking To Steel** *(06 11 16 00-0085)*		
06 11 16 00-0098	LF	2" x 4" Pressure Treated Wood Blocking To Steel	8.72	3.77
06 11 16 00-0099	LF	2" x 6" Pressure Treated Wood Blocking To Steel	10.25	4.15
06 11 16 00-0100	LF	2" x 8" Pressure Treated Wood Blocking To Steel	11.64	4.56
06 11 16 00-0101	LF	2" x 4" Wood Blocking To Steel	8.15	3.77
06 11 16 00-0102	LF	2" x 6" Wood Blocking To Steel	9.31	4.15
06 11 16 00-0103	LF	2" x 8" Wood Blocking To Steel	10.56	4.56
06 11 16 00-0104		**Blocking To Concrete** *(06 11 16 00-0085)*		
06 11 16 00-0105	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	8.72	3.77
06 11 16 00-0106	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	10.25	4.15
06 11 16 00-0107	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	11.64	4.56
06 11 16 00-0108	LF	2" x 4" Wood Blocking To Concrete	8.15	3.77
06 11 16 00-0109	LF	2" x 6" Wood Blocking To Concrete	9.31	4.15
06 11 16 00-0110	LF	2" x 8" Wood Blocking To Concrete	10.56	4.56
06 11 16 00-0111		**Pressure Treated Lattice** *(06 11 16 00-0084)*		
06 11 16 00-0112	SF	3/4" Thick Pressure Treated Wood Lattice	7.91	2.87
06 11 16 00-0113		**Sleepers** *(06 11 16 00-0084)*		
06 11 16 00-0114		**Sleepers To Wood** *(06 11 16 00-0113)*		
06 11 16 00-0115	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	1.39	0.48
06 11 16 00-0116	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	1.48	0.55
06 11 16 00-0117	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.75	0.62
06 11 16 00-0118	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	2.56	0.75
06 11 16 00-0119	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	3.41	0.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0120		**Sleepers To Concrete** *(06 11 16 00-0113)*		
06 11 16 00-0121	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete	1.43	0.48
06 11 16 00-0122	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete	1.52	0.55
06 11 16 00-0123	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete	1.81	0.62
06 11 16 00-0124	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete	2.67	0.75
06 11 16 00-0125	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete	3.59	0.82
06 11 16 00-0126		**Roofing Nailers** *(06 11 16)*		
06 11 16 00-0127	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	3.88	1.09
06 11 16 00-0128	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	4.50	1.16
06 11 16 00-0129	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	5.14	1.23
06 11 16 00-0130		**Roofing Sleepers** *(06 11 16)*		
06 11 16 00-0131	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.76	
06 11 16 00-0132	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	4.71	
06 11 16 00-0133	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	6.79	
06 11 16 00-0134	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	10.05	
06 11 16 00-0135		**Canopy Framing, Bridging, And Furring** *(06 11 16)*		
06 11 16 00-0136		**Wood And Steel Bridging** *(06 11 16 00-0135)*		
06 11 16 00-0137		**Wood Bridging** *(06 11 16 00-0136)*		
06 11 16 00-0138	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	10.99	4.78
06 11 16 00-0139	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	11.28	4.78
06 11 16 00-0140		**Steel Bridging** *(06 11 16 00-0136)*		
06 11 16 00-0141	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	13.07	4.78
06 11 16 00-0142	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	13.04	4.78
06 11 16 00-0143		**Light Framing, Trim And Furring** *(06 11 16 00-0135)*		
06 11 16 00-0144		**Pine/Spruce/Fir Light Framing, Trim And Furring** *(06 11 16 00-0143)* Note: S4S board, select grade 1		
06 11 16 00-0145	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	2.41	1.11
06 11 16 00-0146	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.70	1.23
06 11 16 00-0147	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.11	1.35
06 11 16 00-0148	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.46	1.49
06 11 16 00-0149	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.83	1.64
06 11 16 00-0150	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.24	1.80
06 11 16 00-0151	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	3.48	1.49
06 11 16 00-0152	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.88	1.64
06 11 16 00-0153	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	4.52	1.80
06 11 16 00-0154	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	5.25	1.98
06 11 16 00-0155	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	6.17	2.18
06 11 16 00-0156		**Cedar Light Framing, Trim And Furring** *(06 11 16 00-0143)* Note: S4S board, select grade 1		
06 11 16 00-0157	LF	1" x 1" Cedar Light Framing, Trim And Furring	2.44	1.11
06 11 16 00-0158	LF	1" x 2" Cedar Light Framing, Trim And Furring	2.85	1.23
06 11 16 00-0159	LF	1" x 4" Cedar Light Framing, Trim And Furring	3.70	1.35
06 11 16 00-0160	LF	1" x 6" Cedar Light Framing, Trim And Furring	4.46	1.49
06 11 16 00-0161	LF	1" x 8" Cedar Light Framing, Trim And Furring	6.46	1.64
06 11 16 00-0162	LF	1" x 10" Cedar Light Framing, Trim And Furring	7.59	1.80
06 11 16 00-0163	LF	2" x 2" Cedar Light Framing, Trim And Furring	3.86	1.49
06 11 16 00-0164	LF	2" x 4" Cedar Light Framing, Trim And Furring	4.44	1.64
06 11 16 00-0165		**Oak Light Framing, Trim And Furring** *(06 11 16 00-0143)* Note: S4S board, select grade 1		
06 11 16 00-0166	LF	1" x 1" Oak Light Framing, Trim And Furring	2.45	1.11
06 11 16 00-0167	LF	1" x 2" Oak Light Framing, Trim And Furring	2.87	1.23
06 11 16 00-0168	LF	1" x 4" Oak Light Framing, Trim And Furring	3.55	1.35
06 11 16 00-0169	LF	1" x 6" Oak Light Framing, Trim And Furring	4.24	1.49
06 11 16 00-0170	LF	1" x 8" Oak Light Framing, Trim And Furring	4.95	1.64
06 11 16 00-0171	LF	1" x 10" Oak Light Framing, Trim And Furring	5.70	1.80
06 11 16 00-0172	LF	2" x 2" Oak Light Framing, Trim And Furring	3.82	1.49
06 11 16 00-0173	LF	2" x 4" Oak Light Framing, Trim And Furring	4.96	1.64
06 11 16 00-0174		**Redwood Light Framing, Trim And Furring** *(06 11 16 00-0143)* Note: S4S board, select grade 1		
06 11 16 00-0175	LF	1" x 1" Redwood Light Framing, Trim And Furring	2.39	1.11
06 11 16 00-0176	LF	1" x 2" Redwood Light Framing, Trim And Furring	2.76	1.23
06 11 16 00-0177	LF	1" x 4" Redwood Light Framing, Trim And Furring	3.35	1.35
06 11 16 00-0178	LF	1" x 6" Redwood Light Framing, Trim And Furring	3.99	1.49
06 11 16 00-0179	LF	1" x 8" Redwood Light Framing, Trim And Furring	4.69	1.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0180	LF	1" x 10" Redwood Light Framing, Trim And Furring	5.46	1.80
06 11 16 00-0181	LF	2" x 2" Redwood Light Framing, Trim And Furring	4.01	1.49
06 11 16 00-0182	LF	2" x 4" Redwood Light Framing, Trim And Furring	4.71	1.64
06 11 16 00-0183		**Poplar Light Framing, Trim And Furring** *(06 11 16 00-0143)*		
		Note: S4S board, select grade 1		
06 11 16 00-0184	LF	1" x 1" Poplar Light Framing, Trim And Furring	2.74	1.11
06 11 16 00-0185	LF	1" x 2" Poplar Light Framing, Trim And Furring	3.31	1.23
06 11 16 00-0186	LF	1" x 4" Poplar Light Framing, Trim And Furring	4.14	1.35
06 11 16 00-0187	LF	1" x 6" Poplar Light Framing, Trim And Furring	5.21	1.49
06 11 16 00-0188	LF	1" x 8" Poplar Light Framing, Trim And Furring	6.02	1.64
06 11 16 00-0189	LF	1" x 10" Poplar Light Framing, Trim And Furring	7.85	1.80
06 11 16 00-0190	LF	1" x 12" Poplar Light Framing, Trim And Furring	8.46	1.80
06 11 16 00-0191	LF	2" x 2" Poplar Light Framing, Trim And Furring	6.72	1.49
06 11 16 00-0192	LF	2" x 4" Poplar Light Framing, Trim And Furring	7.52	1.64
06 11 16 00-0193	LF	2" x 6" Poplar Light Framing, Trim And Furring	9.96	1.80
06 11 16 00-0194		**Maple Light Framing, Trim And Furring** *(06 11 16 00-0143)*		
		Note: S4S board, select grade 1		
06 11 16 00-0195	LF	1" x 4" Maple Light Framing, Trim And Furring	5.08	1.35
06 11 16 00-0196	LF	1" x 6" Maple Light Framing, Trim And Furring	6.67	1.49
06 11 16 00-0197	LF	1" x 8" Maple Light Framing, Trim And Furring	8.30	1.64
06 11 16 00-0198		**Rafters And Joists** *(06 11 16)*		
06 11 16 00-0199		**Rafters** *(06 11 16 00-0198)*		
		Note: An inclined roof framing member to which a roof covering is attached.		
06 11 16 00-0200	LF	2" x 6" Wood Rafter	3.10	1.64
06 11 16 00-0201	LF	2" x 8" Wood Rafter	3.62	1.77
06 11 16 00-0202	LF	2" x 10" Wood Rafter	5.23	2.59
06 11 16 00-0203	LF	2" x 12" Wood Rafter	6.01	2.87
06 11 16 00-0204	LF	2" x 14" Wood Rafter	6.52	3.14
06 11 16 00-0205	LF	2" x 6" Pressure Treated Wood Rafter	3.41	1.64
06 11 16 00-0206	LF	2" x 8" Pressure Treated Wood Rafter	4.04	1.77
06 11 16 00-0207	LF	2" x 10" Pressure Treated Wood Rafter	5.55	2.59
06 11 16 00-0208	LF	2" x 12" Pressure Treated Wood Rafter	6.60	2.87
06 11 16 00-0209		**Joists** *(06 11 16 00-0198)*		
		Note: A series of parallel beams to support floors or ceilings.		
06 11 16 00-0210	LF	2" x 6" Wood Floor Joist	2.69	1.37
06 11 16 00-0211	LF	2" x 8" Wood Floor Joist	3.35	1.50
06 11 16 00-0212	LF	2" x 10" Wood Floor Joist	4.26	1.92
06 11 16 00-0213	LF	2" x 12" Wood Floor Joist	5.06	2.18
06 11 16 00-0214	LF	2" x 14" Wood Floor Joist	5.57	2.32
06 11 16 00-0215	LF	2" x 6" Pressure Treated Wood Floor Joist	3.00	1.37
06 11 16 00-0216	LF	2" x 8" Pressure Treated Wood Floor Joist	3.77	1.50
06 11 16 00-0217	LF	2" x 10" Pressure Treated Wood Floor Joist	4.58	1.92
06 11 16 00-0218	LF	2" x 12" Pressure Treated Wood Floor Joist	5.65	2.18
06 11 16 00-0219		**Purlins** *(06 11 16 00-0198)*		
		Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.		
06 11 16 00-0220	LF	2" x 4" Wood Purlin	2.19	0.82
06 11 16 00-0221	LF	2" x 6" Wood Purlin	2.72	0.90
06 11 16 00-0222	LF	2" x 8" Wood Purlin	3.28	0.99
06 11 16 00-0223	LF	2" x 10" Wood Purlin	3.99	1.09
06 11 16 00-0224	LF	2" x 4" Pressure Treated Wood Purlin	2.38	0.82
06 11 16 00-0225	LF	2" x 6" Pressure Treated Wood Purlin	3.03	0.90
06 11 16 00-0226	LF	2" x 8" Pressure Treated Wood Purlin	3.70	0.99
06 11 16 00-0227	LF	2" x 10" Pressure Treated Wood Purlin	4.31	1.09
06 11 16 00-0228		**Exposed Rafters Or Joists** *(06 11 16 00-0198)*		
06 11 16 00-0229		**Redwood Rafters Or Joists** *(06 11 16 00-0228)*		
06 11 16 00-0230	LF	2" x 6" Redwood Rafter Or Joist	4.03	1.37
06 11 16 00-0231	LF	2" x 8" Redwood Rafter Or Joist	4.92	1.50
06 11 16 00-0232	LF	2" x 10" Redwood Rafter Or Joist	6.11	1.92
06 11 16 00-0233	LF	2" x 12" Redwood Rafter Or Joist	7.41	2.18
06 11 16 00-0234		**Cedar Rafters Or Joists** *(06 11 16 00-0228)*		
06 11 16 00-0235	LF	2" x 6" Cedar Rafter Or Joist	2.70	1.37
06 11 16 00-0236	LF	2" x 8" Cedar Rafter Or Joist	3.04	1.50
06 11 16 00-0237	LF	2" x 10" Cedar Rafter Or Joist	3.50	1.92
06 11 16 00-0238	LF	2" x 12" Cedar Rafter Or Joist	3.98	2.18
06 11 16 00-0239		**Oak Rafters Or Joists** *(06 11 16 00-0228)*		
06 11 16 00-0240	LF	2" x 6" Oak Rafter Or Joist	3.25	1.37
06 11 16 00-0241	LF	2" x 8" Oak Rafter Or Joist	4.42	1.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0242	LF	2" x 10" Oak Rafter Or Joist	5.72	1.92
06 11 16 00-0243	LF	2" x 12" Oak Rafter Or Joist	7.04	2.18

06 11 16 00-0244 Framing *(06 11 16)*

06 11 16 00-0245 Partition Framing *(06 11 16 00-0244)*

06 11 16 00-0246	LF	2" x 4" Wood Stud Framing, For Partition Walls	2.12	1.09
06 11 16 00-0247	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.56	1.16
06 11 16 00-0248	LF	2" x 8" Wood Stud Framing, For Partition Walls	3.00	1.23
06 11 16 00-0249	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	2.31	1.09
06 11 16 00-0250	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	2.87	1.16
06 11 16 00-0251	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	3.42	1.23

06 11 16 00-0252 Wall Framing Assemblies By The SF *(06 11 16 00-0244)*

Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

06 11 16 00-0253 Wall Framing By The SF, 12" On Center *(06 11 16 00-0252)*

06 11 16 00-0254	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.74	1.32
		For Up To 200, Add	*0.94*	
		For >200 To 500, Add	*0.47*	
06 11 16 00-0255	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly	3.67	1.69
		For Up To 200, Add	*1.23*	
		For >200 To 500, Add	*0.62*	
06 11 16 00-0256	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly	4.90	2.26
		For Up To 200, Add	*1.65*	
		For >200 To 500, Add	*0.82*	

06 11 16 00-0257 Wall Framing By The SF, 16" On Center *(06 11 16 00-0252)*

06 11 16 00-0258	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly	2.23	1.06
		For Up To 200, Add	*0.76*	
		For >200 To 500, Add	*0.38*	
06 11 16 00-0259	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly	3.05	1.41
		For Up To 200, Add	*1.02*	
		For >200 To 500, Add	*0.51*	
06 11 16 00-0260	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly	4.08	1.87
		For Up To 200, Add	*1.37*	
		For >200 To 500, Add	*0.69*	

06 11 16 00-0261 Wall Framing By The SF, 24" On Center *(06 11 16 00-0252)*

06 11 16 00-0262	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.76	0.83
		For Up To 200, Add	*0.60*	
		For >200 To 500, Add	*0.30*	
06 11 16 00-0263	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly	2.40	1.09
		For Up To 200, Add	*0.80*	
		For >200 To 500, Add	*0.40*	
06 11 16 00-0264	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly	3.20	1.46
		For Up To 200, Add	*1.07*	
		For >200 To 500, Add	*0.54*	

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001 Heavy Timber Framing *(06 13 23)*

Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.

06 13 23 00-0002 Heavy Timber Beams *(06 13 23 00-0001)*

06 13 23 00-0003 Pine, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	6.87	2.42
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	8.10	2.52
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	9.31	2.62
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	11.76	2.80
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	13.78	2.97
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	9.98	2.73
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	11.74	2.87
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	15.39	3.07
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	18.02	3.14
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	14.06	2.97
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	18.47	3.07
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	22.06	3.14
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	21.82	3.14
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	26.41	3.42
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	31.02	3.75

06 13 23 00-0019 Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam	7.08	2.42
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam	8.40	2.52
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam	9.73	2.62
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam	12.37	2.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam	14.56	2.97
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam	10.43	2.73
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam	12.34	2.87
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam	16.31	3.07
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam	19.20	3.14
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam	14.87	2.97
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam	19.71	3.07
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam	23.62	3.14
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam	23.35	3.14
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam	28.35	3.42
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam	33.36	3.75
06 13 23 00-0035		**Pressure Treated, Heavy Timber Beams** *(06 13 23 00-0002)*		
06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam	7.57	2.42
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam	9.39	2.52
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam	10.98	2.62
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam	14.27	2.80
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam	16.97	2.97
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam	12.73	2.73
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam	15.44	2.87
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	18.42	3.07
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	22.39	3.14
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	22.56	2.97
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	26.09	3.07
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	30.58	3.14
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	30.71	3.14
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	40.38	3.42
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	47.80	3.75
06 13 23 00-0051		**Heavy Timber Columns** *(06 13 23 00-0001)*		
06 13 23 00-0052		**Pine, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	4.58	1.28
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	5.75	1.35
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	6.83	1.38
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	9.12	1.47
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	10.96	1.56
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	7.42	1.43
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	9.07	1.49
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	12.48	1.61
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	15.05	1.65
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	11.24	1.56
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	15.56	1.61
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	19.03	1.68
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	18.79	1.68
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	23.18	1.79
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	27.46	1.98
06 13 23 00-0068		**Douglas Fir, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	4.79	1.28
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	6.05	1.35
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	7.25	1.38
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	9.73	1.47
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	11.74	1.56
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	7.87	1.43
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	9.67	1.49
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	13.40	1.61
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	16.23	1.65
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	12.05	1.56
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	16.80	1.61
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	20.59	1.68
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	20.32	1.68
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	25.12	1.79
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	29.80	1.98
06 13 23 00-0084		**Pressure Treated, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	5.28	1.28
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	7.04	1.35
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	8.50	1.38
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	11.63	1.47
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	14.15	1.56
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	10.17	1.43
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	12.77	1.49
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	15.51	1.61
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	19.42	1.65
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	19.74	1.56
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	23.18	1.61
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	27.55	1.68
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	27.68	1.68
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	37.15	1.79
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	44.24	1.98

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 15 Wood Decking *(06 10)*

06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001 Wood Deck Systems *(06 15 13)*
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

06 15 13 00-0002 Pressure Treated Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.34	8.22
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	39.93	7.81
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.84	8.42
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.42	8.01

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	42.70	8.42
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	41.24	8.00
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	44.20	8.64
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	42.76	8.20

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	41.34	8.22
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	39.93	7.81
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.84	8.42
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	41.42	8.01

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	43.78	8.22
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.47	8.16
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	45.89	8.42
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.29	8.01

06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	46.52	8.42
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.17	8.00
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	48.77	8.64
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	47.17	8.20

06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.76	8.22
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	43.45	7.81
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	46.92	8.42
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	46.11	8.01

06 15 13 00-0034 Cypress With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0035 2" x 8" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0034)*

06 15 13 00-0036	SF	5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.67	8.22
06 15 13 00-0037	SF	5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.32	7.81
06 15 13 00-0038	SF	2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.64	8.42
06 15 13 00-0039	SF	2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	43.03	8.01

06 15 13 00-0040 2" x 10" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0034)*

06 15 13 00-0041	SF	5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.20	8.42
06 15 13 00-0042	SF	5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	43.80	8.00
06 15 13 00-0043	SF	2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	47.29	8.64
06 15 13 00-0044	SF	2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	46.11	8.20

06 15 13 00-0045 2" x 10" Joists At 24" On Center, Cypress With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0034)*

06 15 13 00-0046	SF	5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.29	8.22
06 15 13 00-0047	SF	5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.19	7.81
06 15 13 00-0048	SF	2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	45.57	8.42
06 15 13 00-0049	SF	2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.38	8.01

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0050		Cedar With Pressure Treated Joists Wood Deck System *(06 15 13 00-0001)*		
06 15 13 00-0051		2" x 8" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0050)*		
06 15 13 00-0052	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.22	8.22
06 15 13 00-0053	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	40.84	7.81
06 15 13 00-0054	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	43.79	8.42
06 15 13 00-0055	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.42	8.01
06 15 13 00-0056		2" x 10" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0050)*		
06 15 13 00-0057	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	43.65	8.42
06 15 13 00-0058	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	42.61	8.00
06 15 13 00-0059	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.21	8.64
06 15 13 00-0060	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	43.88	8.20
06 15 13 00-0061		2" x 10" Joists At 24" On Center, Cedar With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0050)*		
06 15 13 00-0062	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.77	8.22
06 15 13 00-0063	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	41.39	7.81
06 15 13 00-0064	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.36	8.42
06 15 13 00-0065	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.99	8.01
06 15 13 00-0066		Wood Stair Systems *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
06 15 13 00-0067		Pressure Treated Wood Stair System *(06 15 13 00-0066)*		
06 15 13 00-0068		2" x 10" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0067)*		
06 15 13 00-0069	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	129.96	19.72
06 15 13 00-0070	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	126.39	18.73
06 15 13 00-0071	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.89	20.22
06 15 13 00-0072	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	129.73	19.21
06 15 13 00-0073	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	136.45	20.71
06 15 13 00-0074	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	132.71	19.68
06 15 13 00-0075	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	140.59	21.23
06 15 13 00-0076	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	136.22	20.18
06 15 13 00-0077	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	143.14	21.74
06 15 13 00-0078	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.20	20.65
06 15 13 00-0079	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	147.48	22.30
06 15 13 00-0080	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	142.88	21.18
06 15 13 00-0081	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.78	22.83
06 15 13 00-0082	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	147.73	21.68
06 15 13 00-0083	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	156.40	23.41
06 15 13 00-0084	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.63	22.25
06 15 13 00-0085		2" x 12" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0067)*		
06 15 13 00-0086	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	132.80	20.21
06 15 13 00-0087	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	128.67	19.20
06 15 13 00-0088	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.95	20.73
06 15 13 00-0089	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	132.74	19.70
06 15 13 00-0090	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	139.43	21.22
06 15 13 00-0091	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	135.11	20.17
06 15 13 00-0092	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.80	21.77
06 15 13 00-0093	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	139.37	20.67
06 15 13 00-0094	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	146.28	22.28
06 15 13 00-0095	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	141.72	21.17
06 15 13 00-0096	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.84	22.85
06 15 13 00-0097	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	146.19	21.71
06 15 13 00-0098	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	155.09	23.40
06 15 13 00-0099	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.37	22.24
06 15 13 00-0100	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	159.95	24.00
06 15 13 00-0101	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	155.13	22.80
06 15 13 00-0102		Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0066)*		
06 15 13 00-0103		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0102)*		
06 15 13 00-0104	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	143.49	19.72
06 15 13 00-0105	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.79	18.73
06 15 13 00-0106	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	148.26	20.22
06 15 13 00-0107	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	144.52	19.21
06 15 13 00-0108	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	150.65	20.71
06 15 13 00-0109	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.78	19.68
06 15 13 00-0110	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	155.68	21.23
06 15 13 00-0111	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.75	20.18
06 15 13 00-0112	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	157.98	21.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0113	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.90	20.65
06 15 13 00-0114	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	163.25	22.30
06 15 13 00-0115	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	159.11	21.18
06 15 13 00-0116	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	168.11	22.83
06 15 13 00-0117	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	163.91	21.68
06 15 13 00-0118	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	173.74	23.41
06 15 13 00-0119	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	169.48	22.25

06 15 13 00-0120 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System

(06 15 13 00-0102)

06 15 13 00-0121	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.34	20.21
06 15 13 00-0122	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.54	19.20
06 15 13 00-0123	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	146.88	20.73
06 15 13 00-0124	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.13	19.70
06 15 13 00-0125	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.45	21.22
06 15 13 00-0126	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.48	20.17
06 15 13 00-0127	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.22	21.77
06 15 13 00-0128	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.28	20.67
06 15 13 00-0129	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.75	22.28
06 15 13 00-0130	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	152.56	21.17
06 15 13 00-0131	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	161.74	22.85
06 15 13 00-0132	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	157.60	21.71
06 15 13 00-0133	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	166.60	23.40
06 15 13 00-0134	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	162.29	22.24
06 15 13 00-0135	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	171.94	24.00
06 15 13 00-0136	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	167.67	22.80

06 15 13 00-0137 Cypress With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0066)*

06 15 13 00-0138 2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Stair System

(06 15 13 00-0137)

06 15 13 00-0139	RSR	3' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	138.75	19.72
06 15 13 00-0140	RSR	3' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	134.91	18.73
06 15 13 00-0141	RSR	3' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	143.29	20.22
06 15 13 00-0142	RSR	3' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.37	19.21
06 15 13 00-0143	RSR	3'-6" Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	145.68	20.71
06 15 13 00-0144	RSR	3'-6" Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	141.66	19.68
06 15 13 00-0145	RSR	3'-6" Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	150.46	21.23
06 15 13 00-0146	RSR	3'-6" Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.34	20.18
06 15 13 00-0147	RSR	4' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	152.79	21.74
06 15 13 00-0148	RSR	4' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	148.55	20.65
06 15 13 00-0149	RSR	4' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	157.79	22.30
06 15 13 00-0150	RSR	4' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.46	21.18
06 15 13 00-0151	RSR	5' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	162.39	22.83
06 15 13 00-0152	RSR	5' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	158.02	21.68
06 15 13 00-0153	RSR	5' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	167.74	23.41
06 15 13 00-0154	RSR	5' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	163.26	22.25

06 15 13 00-0155 2" x 12" Joists, Cypress With Pressure Treated Joists, Wood Stair System

(06 15 13 00-0137)

06 15 13 00-0156	RSR	3' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.05	20.21
06 15 13 00-0157	RSR	3' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	134.11	19.20
06 15 13 00-0158	RSR	3' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.37	20.73
06 15 13 00-0159	RSR	3' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.43	19.70
06 15 13 00-0160	RSR	3'-6" Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.95	21.22
06 15 13 00-0161	RSR	3'-6" Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.83	20.17
06 15 13 00-0162	RSR	3'-6" Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.49	21.77
06 15 13 00-0163	RSR	3'-6" Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.35	20.67
06 15 13 00-0164	RSR	4' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	152.04	22.28
06 15 13 00-0165	RSR	4' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.70	21.17
06 15 13 00-0166	RSR	4' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.79	22.85
06 15 13 00-0167	RSR	4' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	152.45	21.71
06 15 13 00-0168	RSR	5' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	161.42	23.40
06 15 13 00-0169	RSR	5' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.94	22.24
06 15 13 00-0170	RSR	5' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	166.50	24.00
06 15 13 00-0171	RSR	5' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists	162.01	22.80

06 15 13 00-0172 Cedar With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0066)*

06 15 13 00-0173 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0172)*

06 15 13 00-0174	RSR	3' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.34	19.72
06 15 13 00-0175	RSR	3' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	129.96	18.73
06 15 13 00-0176	RSR	3' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	137.43	20.22
06 15 13 00-0177	RSR	3' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.40	19.21
06 15 13 00-0178	RSR	3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	140.00	20.71
06 15 13 00-0179	RSR	3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	136.46	19.68
06 15 13 00-0180	RSR	3'-6" Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	144.31	21.23
06 15 13 00-0181	RSR	3'-6" Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	140.08	20.18
06 15 13 00-0182	RSR	4' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.84	21.74
06 15 13 00-0183	RSR	4' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	143.12	20.65
06 15 13 00-0184	RSR	4' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.36	22.30
06 15 13 00-0185	RSR	4' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.91	21.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0186	RSR	5' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	155.86	22.83
06 15 13 00-0187	RSR	5' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	152.05	21.68
06 15 13 00-0188	RSR	5' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	160.67	23.41
06 15 13 00-0189	RSR	5' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	156.06	22.25
06 15 13 00-0190		2" x 12" Joists, Cedar With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0172)*		
06 15 13 00-0191	RSR	3' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.21	20.21
06 15 13 00-0192	RSR	3' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	132.22	19.20
06 15 13 00-0193	RSR	3' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.54	20.73
06 15 13 00-0194	RSR	3' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.47	19.70
06 15 13 00-0195	RSR	3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.01	21.22
06 15 13 00-0196	RSR	3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.84	20.17
06 15 13 00-0197	RSR	3'-6" Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.56	21.77
06 15 13 00-0198	RSR	3'-6" Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.30	20.67
06 15 13 00-0199	RSR	4' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.03	22.28
06 15 13 00-0200	RSR	4' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.62	21.17
06 15 13 00-0201	RSR	4' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.78	22.85
06 15 13 00-0202	RSR	4' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.30	21.71
06 15 13 00-0203	RSR	5' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	159.20	23.40
06 15 13 00-0204	RSR	5' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.66	22.24
06 15 13 00-0205	RSR	5' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	164.29	24.00
06 15 13 00-0206	RSR	5' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	159.64	22.80
06 15 13 00-0207		Wood Deck And Ramp Systems Repairs *(06 15 13)*		
		Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0208		Deck Joist Or Girt *(06 15 13 00-0207)*		
		See CSI section 06 11 16 00-0209 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0209		Deck Boards *(06 15 13 00-0207)*		
		See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0210	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards	2.42	1.05
06 15 13 00-0211	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards	2.69	1.25
06 15 13 00-0212	LF	2" x 4" Round Edge Pressure Treated Deck Boards	2.58	1.25
06 15 13 00-0213	LF	2" x 6" Round Edge Pressure Treated Deck Boards	3.35	1.43
06 15 13 00-0214	LF	2" x 8" Round Edge Pressure Treated Deck Boards	4.25	1.72
06 15 13 00-0215	LF	2" x 10" Round Edge Pressure Treated Deck Boards	5.21	2.10
06 15 13 00-0216	LF	2" x 12" Round Edge Pressure Treated Deck Boards	6.40	2.48
06 15 13 00-0217	LF	2" x 4" Round Edge Cedar Deck Boards	3.02	1.25
06 15 13 00-0218	LF	2" x 6" Round Edge Cedar Deck Boards	3.88	1.43
06 15 13 00-0219	LF	2" x 4" Round Edge Redwood Deck Boards	3.29	1.25
06 15 13 00-0220	LF	2" x 6" Round Edge Redwood Deck Boards	4.29	1.43
06 15 13 00-0221		Deck Posts *(06 15 13 00-0207)*		
		See CSI section 06 11 16 00-0038 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0222		Deck Railing And Pickets *(06 15 13 00-0207)*		
		See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0223	LF	2" x 4" Pressure Treated Deck Railing	2.58	1.25
06 15 13 00-0224	LF	2" x 2" Pressure Treated Deck Railing Picket	1.91	0.95
06 15 13 00-0225	LF	2" x 4" Cedar Deck Railing	3.02	1.25
06 15 13 00-0226	LF	2" x 2" Cedar Deck Railing Picket	2.29	0.95
06 15 13 00-0227	LF	2" x 4" Redwood Deck Railing	3.29	1.25
06 15 13 00-0228	LF	2" x 2" Redwood Deck Railing Picket	2.49	0.95
06 15 13 00-0229		Wood Ramp Systems *(06 15 13)*		
		Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0230		Pressure Treated Wood Ramp System *(06 15 13 00-0229)*		
06 15 13 00-0231		2" x 6" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0230)*		
06 15 13 00-0232	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.43	8.01
06 15 13 00-0233	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.63	7.61
06 15 13 00-0234	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	50.07	8.22
06 15 13 00-0235	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.25	7.81
06 15 13 00-0236		2" x 8" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0230)*		
06 15 13 00-0237	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.92	8.22
06 15 13 00-0238	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.08	7.81
06 15 13 00-0239	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	51.63	8.42
06 15 13 00-0240	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.78	8.01
06 15 13 00-0241		2" x 10" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0230)*		
06 15 13 00-0242	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	51.47	8.41
06 15 13 00-0243	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.59	8.00
06 15 13 00-0244	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	53.23	8.64
06 15 13 00-0245	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	51.34	8.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0246		Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0229)*		
06 15 13 00-0247		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0246)*		
06 15 13 00-0248	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	50.72	8.01
06 15 13 00-0249	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.02	7.61
06 15 13 00-0250	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	52.94	8.22
06 15 13 00-0251	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	50.95	7.81
06 15 13 00-0252		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0246)*		
06 15 13 00-0253	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	52.36	8.22
06 15 13 00-0254	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.62	7.81
06 15 13 00-0255	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	54.68	8.42
06 15 13 00-0256	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	52.65	8.01
06 15 13 00-0257		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0246)*		
06 15 13 00-0258	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	55.30	8.41
06 15 13 00-0259	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	53.52	8.00
06 15 13 00-0260	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	57.80	8.64
06 15 13 00-0261	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	56.25	8.20
06 15 13 00-0262		Cypress With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0229)*		
06 15 13 00-0263		2" x 6" Joists, Cypress With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0262)*		
06 15 13 00-0264	SF	5/4" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.68	8.01
06 15 13 00-0265	SF	5/4" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.94	7.61
06 15 13 00-0266	SF	2" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	51.77	8.22
06 15 13 00-0267	SF	2" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.76	7.81
06 15 13 00-0268		2" x 8" Joists, Cypress With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0262)*		
06 15 13 00-0269	SF	5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	51.25	8.22
06 15 13 00-0270	SF	5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.47	7.81
06 15 13 00-0271	SF	2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	53.43	8.42
06 15 13 00-0272	SF	2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	51.39	8.01
06 15 13 00-0273		2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0262)*		
06 15 13 00-0274	SF	5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	53.91	8.41
06 15 13 00-0275	SF	5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.15	8.00
06 15 13 00-0276	SF	2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	56.32	8.64
06 15 13 00-0277	SF	2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	54.69	8.20
06 15 13 00-0278		Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0229)*		
06 15 13 00-0279		2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0278)*		
06 15 13 00-0280	SF	5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.24	8.01
06 15 13 00-0281	SF	5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.47	7.61
06 15 13 00-0282	SF	2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	50.95	8.22
06 15 13 00-0283	SF	2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.17	7.81
06 15 13 00-0284		2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0278)*		
06 15 13 00-0285	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.79	8.22
06 15 13 00-0286	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.98	7.81
06 15 13 00-0287	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	52.56	8.42
06 15 13 00-0288	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.76	8.01
06 15 13 00-0289		2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0278)*		
06 15 13 00-0290	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.41	8.41
06 15 13 00-0291	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.55	8.00
06 15 13 00-0292	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	54.22	8.64
06 15 13 00-0293	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.38	8.20

06 16 Sheathing *(06 10)*

06 16 23 Subflooring *(06 16)*

06 16 23 00-0001 Board Type Subflooring *(06 16 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor Note: 4 Sides Laid In A Regular Pattern.	3.77	1.09
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.13*	
		For Tongue And Groove, Add	*0.09*	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor Note: 4 Sides Laid In A Diagonal Pattern.	4.22	1.37
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.13*	
		For Tongue And Groove, Add	*0.09*	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern.	3.61	0.95
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern.	3.92	1.09
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 Plywood *(06 16 33)*

06 16 33 00-0002 Roof Decking *(06 16 33 00-0001)*

06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.23	0.68
		For Shear Wall Construction, Add	*0.32*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.32*	
		For ACQ Preservative Treatment, Add	*0.30*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.42*	
		For Fire Retardant Treatment, Add	*0.49*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.51	0.82
		For Shear Wall Construction, Add	*0.35*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.35*	
		For ACQ Preservative Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.63*	
		For Fire Retardant Treatment, Add	*0.60*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.84	0.82
		For Shear Wall Construction, Add	*0.38*	
		For Exterior CC Grade Plywood, Add	*0.14*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.38*	
		For ACQ Preservative Treatment, Add	*0.46*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.82*	
		For Fire Retardant Treatment, Add	*0.76*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.21*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.15	0.95
		For Shear Wall Construction, Add	*0.41*	
		For Exterior CC Grade Plywood, Add	*0.17*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.41*	
		For ACQ Preservative Treatment, Add	*0.53*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.06*	
		For Fire Retardant Treatment, Add	*0.88*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.24*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.72	1.09
		For Shear Wall Construction, Add	*0.44*	
		For Exterior CC Grade Plywood, Add	*0.23*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.44*	
		For ACQ Preservative Treatment, Add	*0.72*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.33*	
		For Fire Retardant Treatment, Add	*1.19*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.22*	
		For >12,800, Deduct	*-0.29*	
		For Tongue And Groove, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0008		Wall Sheathing *(06 16 33 00-0001)*		
06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing	2.66	0.95
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.41*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.41*	
		For Ceiling Installation, Add	*0.20*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.06*	
		For Fire Retardant Treatment, Add	*0.49*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing	2.69	0.95
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.41*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.41*	
		For Ceiling Installation, Add	*0.20*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.06*	
		For Fire Retardant Treatment, Add	*0.51*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing	2.75	1.09
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.41*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.41*	
		For Ceiling Installation, Add	*0.20*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.06*	
		For Fire Retardant Treatment, Add	*0.56*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing	3.06	1.09
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.43*	
		For Exterior CC Grade Plywood, Add	*0.13*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For Ceiling Installation, Add	*0.22*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.26*	
		For Fire Retardant Treatment, Add	*0.70*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.22*	
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing	3.43	1.23
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.47*	
		For Exterior CC Grade Plywood, Add	*0.16*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.47*	
		For Ceiling Installation, Add	*0.23*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.51*	
		For Fire Retardant Treatment, Add	*0.86*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.25*	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing	3.77	1.37
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.50*	
		For Exterior CC Grade Plywood, Add	*0.19*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.50*	
		For Ceiling Installation, Add	*0.25*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.78*	
		For Fire Retardant Treatment, Add	*0.99*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.28*	
06 16 33 00-0015		Floor Decking *(06 16 33 00-0001)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking	2.01	0.82
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.30*	
		For Fire Retardant Treatment, Add	*0.38*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For ACQ Preservative Treatment, Add	*0.23*	
		For Fir Plywood, Add	*0.09*	
		For BC Grade Plywood, Add	*0.07*	
		For Exterior Glue, Add	*0.04*	
		For Marine Grade, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.12	0.82
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.42*	
		For Fire Retardant Treatment, Add	*0.40*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
		For ACQ Preservative Treatment, Add	*0.24*	
		For Fir Plywood, Add	*0.09*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.40*	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.38	0.82
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.55*	
		For Fire Retardant Treatment, Add	*0.54*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For ACQ Preservative Treatment, Add	*0.33*	
		For Fir Plywood, Add	*0.13*	
		For BC Grade Plywood, Add	*0.10*	
		For Exterior Glue, Add	*0.06*	
		For Marine Grade, Add	*0.53*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.69	0.82
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.79*	
		For Fire Retardant Treatment, Add	*0.66*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
		For ACQ Preservative Treatment, Add	*0.40*	
		For Fir Plywood, Add	*0.15*	
		For BC Grade Plywood, Add	*0.12*	
		For Exterior Glue, Add	*0.08*	
		For Marine Grade, Add	*0.65*	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	3.04	0.82
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.96*	
		For Fire Retardant Treatment, Add	*0.85*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.23*	
		For ACQ Preservative Treatment, Add	*0.51*	
		For Fir Plywood, Add	*0.20*	
		For BC Grade Plywood, Add	*0.16*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.84*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	4.37	1.23
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.53*	
		For Fire Retardant Treatment, Add	*1.60*	
		For >1,696 To 3,200, Deduct	*-0.12*	
		For >3,200 To 6,400, Deduct	*-0.18*	
		For >6,400 To 12,800, Deduct	*-0.28*	
		For >12,800, Deduct	*-0.36*	
		For ACQ Preservative Treatment, Add	*0.97*	
		For Fir Plywood, Add	*0.37*	
		For BC Grade Plywood, Add	*0.30*	
		For Exterior Glue, Add	*0.19*	
		For Marine Grade, Add	*1.58*	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.78	0.82
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.55*	
		For Fire Retardant Treatment, Add	*0.85*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.21*	
		For ACQ Preservative Treatment, Add	*0.52*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.85*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	3.16	0.82
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.79*	
		For Fire Retardant Treatment, Add	*1.03*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.25*	
		For ACQ Preservative Treatment, Add	*0.62*	
		For Exterior Glue, Add	*0.12*	
		For Marine Grade, Add	*1.02*	
		For Tongue And Groove, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	3.37	0.82
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.96*	
		For Fire Retardant Treatment, Add	*1.11*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.27*	
		For ACQ Preservative Treatment, Add	*0.67*	
		For Exterior Glue, Add	*0.13*	
		For Marine Grade, Add	*1.10*	
		For Tongue And Groove, Add	*0.10*	
06 16 33 00-0025		Underlayment Grade *(06 16 33 00-0001)* Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade	2.13	0.82
		For Fire Retardant Treatment, Add	*0.44*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade	2.28	0.82
		For Fire Retardant Treatment, Add	*0.49*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade	2.36	0.95
		For Fire Retardant Treatment, Add	*0.53*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade	2.67	0.95
		For Fire Retardant Treatment, Add	*0.62*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.19*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade	2.84	0.95
		For Fire Retardant Treatment, Add	*0.76*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.21*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade	3.57	1.09
		For Fire Retardant Treatment, Add	*1.15*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.28*	
		For Tongue And Groove, Add	*0.10*	
06 16 33 00-0032	SF	3/8" Thick CDX Plywood Underlayment Grade	2.41	0.82
		For Fire Retardant Treatment, Add	*0.59*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0033	SF	5/8" Thick CDX Plywood Underlayment Grade	3.00	0.95
		For Fire Retardant Treatment, Add	*0.90*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.23*	
06 16 33 00-0034		Oriented Strand Board *(06 16 33)*		
06 16 33 00-0035		On Roof *(06 16 33 00-0034)*		
06 16 33 00-0036	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.04	0.82
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.42*	
06 16 33 00-0037	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Roof	2.26	0.82
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.40*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0038	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.61	0.95
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
		For Fire Retardant Treatment, Add	*0.58*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.82*	
06 16 33 00-0039	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Roof	3.01	0.95
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.22*	
		For Fire Retardant Treatment, Add	*0.77*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.06*	

06 16 33 00-0040 On Walls *(06 16 33 00-0034)*

06 16 33 00-0041	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.47	0.95
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.06*	
06 16 33 00-0042	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Walls	2.68	1.09
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.40*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.26*	
06 16 33 00-0043	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Walls	3.07	1.23
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.20*	
		For Fire Retardant Treatment, Add	*0.58*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.51*	
06 16 33 00-0044	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Walls	3.49	1.23
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.24*	
		For Fire Retardant Treatment, Add	*0.77*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.78*	

06 16 33 00-0045 On Floors *(06 16 33 00-0034)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0046	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.07	0.82
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.46*	
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors	2.48	0.95
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.16*	
		For Fire Retardant Treatment, Add	*0.40*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.96*	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.87	1.09
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
		For Fire Retardant Treatment, Add	*0.58*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.21*	
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors	3.31	1.23
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.23*	
		For Fire Retardant Treatment, Add	*0.77*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.51*	

06 16 33 00-0050 Particle Board *(06 16 33)*

06 16 33 00-0051 Particle Board Floor Decking *(06 16 33 00-0050)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0052	SF	3/8" Particle Board Floor Decking Note: Applied to plywood subfloor.	2.25	0.68
		For Fire Retardant Treatment Add	*0.51*	
		For >1,536 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.16*	
		For Tongue And Groove, Add	*0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking	2.57	0.68
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.69*	
		For >1,536 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking	2.88	0.82
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.86*	
		For >1,536 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.22*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking	3.19	0.82
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*1.01*	
		For >1,536 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.25*	
		For Tongue And Groove, Add	*0.09*	

06 16 43 Gypsum Sheathing *(06 16)*

06 16 43 00-0001 Exterior Gypsum Sheathing *(06 16 43)*

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.55	1.09
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For Ceiling Installation, Add	*0.22*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.27*	
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.26*	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.84	1.37
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.47*	
		For Ceiling Installation, Add	*0.23*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.22*	
		For >12,800, Deduct	*-0.30*	
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.51*	

06 17 Shop-Fabricated Structural Wood *(06 10)*

06 17 13 Laminated Veneer Lumber *(06 17)*

06 17 13 00-0001 Laminated Veneer Lumber (LVL) *(06 17 13)*

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	8.71	2.36
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	9.49	2.40
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	10.40	2.43
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	11.56	2.47
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)	12.42	2.51
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)	13.64	2.60
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)	15.35	2.65
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)	20.83	3.00

06 17 23 Parallel Strand Lumber *(06 17)*

06 17 23 00-0001 Laminated Strand Lumber (LSL) *(06 17 23)*

06 17 23 00-0002	LF	2" x 4" Laminated Strand Lumber (LSL)	3.00	1.09
06 17 23 00-0003	LF	2" x 6" Laminated Strand Lumber (LSL)	3.98	1.16

06 17 33 Wood I-Joists *(06 17)*

06 17 33 00-0001 Prefabricated Wood I-Joists *(06 17 33)*

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.23	1.43
		For I-Joists 30' To 40' In Length, Add	*0.63*	
		For I-Joists >40' In Length, Add	*1.55*	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.64	1.59
		For I-Joists 30' To 40' In Length, Add	*0.70*	
		For I-Joists >40' In Length, Add	*1.73*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.59	1.80
		For I-Joists 30' To 40' In Length, Add	*0.79*	
		For I-Joists >40' In Length, Add	*1.94*	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	7.41	2.00
		For I-Joists 30' To 40' In Length, Add	*0.88*	
		For I-Joists >40' In Length, Add	*2.15*	

06 17 43 Rim Boards *(06 17)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 43 00-0001		**Oriented Strand Board (OSB) Rim Board** *(06 17 43)*		
06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	7.23	2.43
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	7.86	2.47
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	8.59	2.51
06 17 53		**Shop-Fabricated Wood Trusses** *(06 17)*		
		Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.		
06 17 53 00-0001		**Pre-Assembled Wood Roof Trusses** *(06 17 53)*		
		Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	211.15	83.90
		For Up To 15, Add	*3.25*	
		For >35, Deduct	*-2.17*	
		For 3 In 12 Slope, Add	*1.30*	
		For 5 In 12 Slope, Add	*3.47*	
		For 6 In 12 Slope, Add	*6.50*	
		For 7 In 12 Slope, Add	*8.67*	
		For 8 In 12 Slope, Add	*10.40*	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	234.39	91.88
		For Up To 15, Add	*3.80*	
		For >35, Deduct	*-2.53*	
		For 3 In 12 Slope, Add	*1.52*	
		For 5 In 12 Slope, Add	*4.05*	
		For 6 In 12 Slope, Add	*7.59*	
		For 7 In 12 Slope, Add	*10.12*	
		For 8 In 12 Slope, Add	*12.15*	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	260.67	99.87
		For Up To 15, Add	*4.57*	
		For >35, Deduct	*-3.05*	
		For 3 In 12 Slope, Add	*1.83*	
		For 5 In 12 Slope, Add	*4.87*	
		For 6 In 12 Slope, Add	*9.14*	
		For 7 In 12 Slope, Add	*12.18*	
		For 8 In 12 Slope, Add	*14.62*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	294.90	107.87
		For Up To 15, Add	*5.94*	
		For >35, Deduct	*-3.96*	
		For 3 In 12 Slope, Add	*2.38*	
		For 5 In 12 Slope, Add	*6.33*	
		For 6 In 12 Slope, Add	*11.88*	
		For 7 In 12 Slope, Add	*15.83*	
		For 8 In 12 Slope, Add	*19.00*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	324.55	115.86
		For Up To 15, Add	*6.96*	
		For >35, Deduct	*-4.64*	
		For 3 In 12 Slope, Add	*2.79*	
		For 5 In 12 Slope, Add	*7.43*	
		For 6 In 12 Slope, Add	*13.93*	
		For 7 In 12 Slope, Add	*18.57*	
		For 8 In 12 Slope, Add	*22.28*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	342.37	127.84
		For Up To 15, Add	*6.50*	
		For >35, Deduct	*-4.33*	
		For 3 In 12 Slope, Add	*2.60*	
		For 5 In 12 Slope, Add	*6.93*	
		For 6 In 12 Slope, Add	*13.00*	
		For 7 In 12 Slope, Add	*17.34*	
		For 8 In 12 Slope, Add	*20.80*	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	360.88	203.75
		For Up To 15, Add	*6.69*	
		For >35, Deduct	*-4.46*	
		For 3 In 12 Slope, Add	*2.68*	
		For 5 In 12 Slope, Add	*7.14*	
		For 6 In 12 Slope, Add	*13.38*	
		For 7 In 12 Slope, Add	*17.84*	
		For 8 In 12 Slope, Add	*21.41*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	384.43	143.82
		For Up To 15, Add	*7.26*	
		For >35, Deduct	*-4.84*	
		For 3 In 12 Slope, Add	*2.90*	
		For 5 In 12 Slope, Add	*7.74*	
		For 6 In 12 Slope, Add	*14.52*	
		For 7 In 12 Slope, Add	*19.36*	
		For 8 In 12 Slope, Add	*23.23*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	408.78	227.72
		For Up To 15, Add	*7.89*	
		For >35, Deduct	*-5.26*	
		For 3 In 12 Slope, Add	*3.15*	
		For 5 In 12 Slope, Add	*8.41*	
		For 6 In 12 Slope, Add	*15.77*	
		For 7 In 12 Slope, Add	*21.03*	
		For 8 In 12 Slope, Add	*25.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	434.25	159.80
		For Up To 15, Add	*8.60*	
		For >35, Deduct	*-5.73*	
		For 3 In 12 Slope, Add	*3.44*	
		For 5 In 12 Slope, Add	*9.17*	
		For 6 In 12 Slope, Add	*17.20*	
		For 7 In 12 Slope, Add	*22.93*	
		For 8 In 12 Slope, Add	*27.51*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	453.86	251.69
		For Up To 15, Add	*8.87*	
		For >35, Deduct	*-5.91*	
		For 3 In 12 Slope, Add	*3.55*	
		For 5 In 12 Slope, Add	*9.46*	
		For 6 In 12 Slope, Add	*17.74*	
		For 7 In 12 Slope, Add	*23.65*	
		For 8 In 12 Slope, Add	*28.38*	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	473.67	171.79
		For Up To 15, Add	*9.76*	
		For >35, Deduct	*-6.50*	
		For 3 In 12 Slope, Add	*3.90*	
		For 5 In 12 Slope, Add	*10.41*	
		For 6 In 12 Slope, Add	*19.51*	
		For 7 In 12 Slope, Add	*26.02*	
		For 8 In 12 Slope, Add	*31.22*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	515.54	269.75
		For Up To 15, Add	*11.70*	
		For >35, Deduct	*-7.80*	
		For 3 In 12 Slope, Add	*4.68*	
		For 5 In 12 Slope, Add	*12.48*	
		For 6 In 12 Slope, Add	*23.40*	
		For 7 In 12 Slope, Add	*31.20*	
		For 8 In 12 Slope, Add	*37.44*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	535.82	183.77
		For Up To 15, Add	*12.62*	
		For >35, Deduct	*-8.41*	
		For 3 In 12 Slope, Add	*5.05*	
		For 5 In 12 Slope, Add	*13.46*	
		For 6 In 12 Slope, Add	*25.24*	
		For 7 In 12 Slope, Add	*33.65*	
		For 8 In 12 Slope, Add	*40.38*	
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	563.28	287.65
		For Up To 15, Add	*13.48*	
		For >35, Deduct	*-8.99*	
		For 3 In 12 Slope, Add	*5.39*	
		For 5 In 12 Slope, Add	*14.38*	
		For 6 In 12 Slope, Add	*26.96*	
		For 7 In 12 Slope, Add	*35.95*	
		For 8 In 12 Slope, Add	*43.14*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	583.12	199.75
		For Up To 15, Add	*13.77*	
		For >35, Deduct	*-9.18*	
		For 3 In 12 Slope, Add	*5.51*	
		For 5 In 12 Slope, Add	*14.69*	
		For 6 In 12 Slope, Add	*27.54*	
		For 7 In 12 Slope, Add	*36.72*	
		For 8 In 12 Slope, Add	*44.07*	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	637.91	311.62
		For Up To 15, Add	*16.68*	
		For >35, Deduct	*-11.12*	
		For 3 In 12 Slope, Add	*6.67*	
		For 5 In 12 Slope, Add	*17.79*	
		For 6 In 12 Slope, Add	*33.36*	
		For 7 In 12 Slope, Add	*44.49*	
		For 8 In 12 Slope, Add	*53.38*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	691.67	215.73
		For Up To 15, Add	*19.52*	
		For >35, Deduct	*-13.01*	
		For 3 In 12 Slope, Add	*7.81*	
		For 5 In 12 Slope, Add	*20.82*	
		For 6 In 12 Slope, Add	*39.03*	
		For 7 In 12 Slope, Add	*52.04*	
		For 8 In 12 Slope, Add	*62.45*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	716.02	223.73
		For Up To 15, Add	*20.14*	
		For >35, Deduct	*-13.43*	
		For 3 In 12 Slope, Add	*8.06*	
		For 5 In 12 Slope, Add	*21.49*	
		For 6 In 12 Slope, Add	*40.29*	
		For 7 In 12 Slope, Add	*53.72*	
		For 8 In 12 Slope, Add	*64.46*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	750.53	231.71
		For Up To 15, Add	*21.53*	
		For >35, Deduct	*-14.36*	
		For 3 In 12 Slope, Add	*8.61*	
		For 5 In 12 Slope, Add	*22.97*	
		For 6 In 12 Slope, Add	*43.07*	
		For 7 In 12 Slope, Add	*57.42*	
		For 8 In 12 Slope, Add	*68.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	846.90	239.70
		For Up To 15, Add	*27.56*	
		For >35, Deduct	*-18.38*	
		For 3 In 12 Slope, Add	*11.03*	
		For 5 In 12 Slope, Add	*29.40*	
		For 6 In 12 Slope, Add	*55.13*	
		For 7 In 12 Slope, Add	*73.50*	
		For 8 In 12 Slope, Add	*88.20*	
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	808.10	215.57
		For Up To 15, Add	*24.65*	
		For >35, Deduct	*-16.44*	
		For 3 In 12 Slope, Add	*9.86*	
		For 5 In 12 Slope, Add	*26.30*	
		For 6 In 12 Slope, Add	*49.31*	
		For 7 In 12 Slope, Add	*65.74*	
		For 8 In 12 Slope, Add	*78.89*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	847.95	251.69
		For Up To 15, Add	*25.84*	
		For >35, Deduct	*-17.23*	
		For 3 In 12 Slope, Add	*10.34*	
		For 5 In 12 Slope, Add	*27.57*	
		For 6 In 12 Slope, Add	*51.69*	
		For 7 In 12 Slope, Add	*68.91*	
		For 8 In 12 Slope, Add	*82.70*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	880.87	233.31
		For Up To 15, Add	*27.11*	
		For >35, Deduct	*-18.08*	
		For 3 In 12 Slope, Add	*10.85*	
		For 5 In 12 Slope, Add	*28.92*	
		For 6 In 12 Slope, Add	*54.23*	
		For 7 In 12 Slope, Add	*72.30*	
		For 8 In 12 Slope, Add	*86.76*	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	908.93	263.67
		For Up To 15, Add	*28.62*	
		For >35, Deduct	*-19.08*	
		For 3 In 12 Slope, Add	*11.45*	
		For 5 In 12 Slope, Add	*30.53*	
		For 6 In 12 Slope, Add	*57.24*	
		For 7 In 12 Slope, Add	*76.32*	
		For 8 In 12 Slope, Add	*91.58*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	927.26	267.67
		For Up To 15, Add	*29.39*	
		For >35, Deduct	*-19.60*	
		For 3 In 12 Slope, Add	*11.76*	
		For 5 In 12 Slope, Add	*31.35*	
		For 6 In 12 Slope, Add	*58.79*	
		For 7 In 12 Slope, Add	*78.38*	
		For 8 In 12 Slope, Add	*94.06*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	216.66	83.90
		For 3 In 12 Slope, Add	*1.47*	
		For 5 In 12 Slope, Add	*3.91*	
		For 6 In 12 Slope, Add	*7.33*	
		For 7 In 12 Slope, Add	*9.77*	
		For 8 In 12 Slope, Add	*11.73*	
		For 16" On Center Gable Studs, Add	*9.77*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	240.84	91.88
		For 3 In 12 Slope, Add	*1.71*	
		For 5 In 12 Slope, Add	*4.57*	
		For 6 In 12 Slope, Add	*8.56*	
		For 7 In 12 Slope, Add	*11.41*	
		For 8 In 12 Slope, Add	*13.70*	
		For 16" On Center Gable Studs, Add	*11.41*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	268.42	99.87
		For 3 In 12 Slope, Add	*2.06*	
		For 5 In 12 Slope, Add	*5.49*	
		For 6 In 12 Slope, Add	*10.30*	
		For 7 In 12 Slope, Add	*13.73*	
		For 8 In 12 Slope, Add	*16.48*	
		For 16" On Center Gable Studs, Add	*13.73*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	304.96	107.87
		For 3 In 12 Slope, Add	*2.68*	
		For 5 In 12 Slope, Add	*7.14*	
		For 6 In 12 Slope, Add	*13.38*	
		For 7 In 12 Slope, Add	*17.85*	
		For 8 In 12 Slope, Add	*21.42*	
		For 16" On Center Gable Studs, Add	*17.85*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	336.35	115.86
		For 3 In 12 Slope, Add	*3.14*	
		For 5 In 12 Slope, Add	*8.37*	
		For 6 In 12 Slope, Add	*15.70*	
		For 7 In 12 Slope, Add	*20.93*	
		For 8 In 12 Slope, Add	*25.11*	
		For 16" On Center Gable Studs, Add	*20.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	365.80	127.84
		For 3 In 12 Slope, Add	*3.30*	
		For 5 In 12 Slope, Add	*8.81*	
		For 6 In 12 Slope, Add	*16.52*	
		For 7 In 12 Slope, Add	*22.02*	
		For 8 In 12 Slope, Add	*26.43*	
		For 16" On Center Gable Studs, Add	*22.02*	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	384.97	135.84
		For 3 In 12 Slope, Add	*3.40*	
		For 5 In 12 Slope, Add	*9.06*	
		For 6 In 12 Slope, Add	*17.00*	
		For 7 In 12 Slope, Add	*22.66*	
		For 8 In 12 Slope, Add	*27.19*	
		For 16" On Center Gable Studs, Add	*22.66*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	410.57	143.82
		For 3 In 12 Slope, Add	*3.69*	
		For 5 In 12 Slope, Add	*9.83*	
		For 6 In 12 Slope, Add	*18.44*	
		For 7 In 12 Slope, Add	*24.58*	
		For 8 In 12 Slope, Add	*29.50*	
		For 16" On Center Gable Studs, Add	*24.58*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	437.18	151.81
		For 3 In 12 Slope, Add	*4.01*	
		For 5 In 12 Slope, Add	*10.68*	
		For 6 In 12 Slope, Add	*20.03*	
		For 7 In 12 Slope, Add	*26.71*	
		For 8 In 12 Slope, Add	*32.05*	
		For 16" On Center Gable Studs, Add	*26.71*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	465.22	159.80
		For 3 In 12 Slope, Add	*4.37*	
		For 5 In 12 Slope, Add	*11.65*	
		For 6 In 12 Slope, Add	*21.84*	
		For 7 In 12 Slope, Add	*29.12*	
		For 8 In 12 Slope, Add	*34.95*	
		For 16" On Center Gable Studs, Add	*29.12*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	487.09	167.80
		For 3 In 12 Slope, Add	*4.55*	
		For 5 In 12 Slope, Add	*12.12*	
		For 6 In 12 Slope, Add	*22.73*	
		For 7 In 12 Slope, Add	*30.30*	
		For 8 In 12 Slope, Add	*36.36*	
		For 16" On Center Gable Studs, Add	*30.30*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	510.24	171.79
		For 3 In 12 Slope, Add	*5.00*	
		For 5 In 12 Slope, Add	*13.33*	
		For 6 In 12 Slope, Add	*25.00*	
		For 7 In 12 Slope, Add	*33.33*	
		For 8 In 12 Slope, Add	*40.00*	
		For 16" On Center Gable Studs, Add	*33.33*	
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	559.36	179.78
		For 3 In 12 Slope, Add	*5.99*	
		For 5 In 12 Slope, Add	*15.98*	
		For 6 In 12 Slope, Add	*29.97*	
		For 7 In 12 Slope, Add	*39.96*	
		For 8 In 12 Slope, Add	*47.95*	
		For 16" On Center Gable Studs, Add	*39.96*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	583.11	183.77
		For 3 In 12 Slope, Add	*6.47*	
		For 5 In 12 Slope, Add	*17.24*	
		For 6 In 12 Slope, Add	*32.33*	
		For 7 In 12 Slope, Add	*43.11*	
		For 8 In 12 Slope, Add	*51.73*	
		For 16" On Center Gable Studs, Add	*43.11*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	613.79	191.77
		For 3 In 12 Slope, Add	*6.91*	
		For 5 In 12 Slope, Add	*18.42*	
		For 6 In 12 Slope, Add	*34.54*	
		For 7 In 12 Slope, Add	*46.05*	
		For 8 In 12 Slope, Add	*55.26*	
		For 16" On Center Gable Studs, Add	*46.05*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	649.53	199.75
		For 3 In 12 Slope, Add	*7.50*	
		For 5 In 12 Slope, Add	*20.00*	
		For 6 In 12 Slope, Add	*37.50*	
		For 7 In 12 Slope, Add	*50.00*	
		For 8 In 12 Slope, Add	*60.00*	
		For 16" On Center Gable Studs, Add	*50.00*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	718.37	207.74
		For 3 In 12 Slope, Add	*9.09*	
		For 5 In 12 Slope, Add	*24.23*	
		For 6 In 12 Slope, Add	*45.43*	
		For 7 In 12 Slope, Add	*60.58*	
		For 8 In 12 Slope, Add	*72.69*	
		For 16" On Center Gable Studs, Add	*60.58*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	785.79	215.73
		For 3 In 12 Slope, Add	*10.63*	
		For 5 In 12 Slope, Add	*28.35*	
		For 6 In 12 Slope, Add	*53.15*	
		For 7 In 12 Slope, Add	*70.86*	
		For 8 In 12 Slope, Add	*85.04*	
		For 16" On Center Gable Studs, Add	*70.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	813.17	223.73
		For 3 In 12 Slope, Add	*10.97*	
		For 5 In 12 Slope, Add	*29.26*	
		For 6 In 12 Slope, Add	*54.86*	
		For 7 In 12 Slope, Add	*73.15*	
		For 8 In 12 Slope, Add	*87.78*	
		For 16" On Center Gable Studs, Add	*73.15*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	854.37	231.71
		For 3 In 12 Slope, Add	*11.73*	
		For 5 In 12 Slope, Add	*31.28*	
		For 6 In 12 Slope, Add	*58.64*	
		For 7 In 12 Slope, Add	*78.19*	
		For 8 In 12 Slope, Add	*93.83*	
		For 16" On Center Gable Studs, Add	*78.19*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	927.99	239.70
		For 3 In 12 Slope, Add	*13.46*	
		For 5 In 12 Slope, Add	*35.89*	
		For 6 In 12 Slope, Add	*67.29*	
		For 7 In 12 Slope, Add	*89.72*	
		For 8 In 12 Slope, Add	*107.66*	
		For 16" On Center Gable Studs, Add	*89.72*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	949.96	247.70
		For 3 In 12 Slope, Add	*13.64*	
		For 5 In 12 Slope, Add	*36.37*	
		For 6 In 12 Slope, Add	*68.19*	
		For 7 In 12 Slope, Add	*90.91*	
		For 8 In 12 Slope, Add	*109.10*	
		For 16" On Center Gable Studs, Add	*90.91*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	979.92	251.69
		For 3 In 12 Slope, Add	*14.30*	
		For 5 In 12 Slope, Add	*38.12*	
		For 6 In 12 Slope, Add	*71.48*	
		For 7 In 12 Slope, Add	*95.31*	
		For 8 In 12 Slope, Add	*114.37*	
		For 16" On Center Gable Studs, Add	*95.31*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,019.31	259.68
		For 3 In 12 Slope, Add	*15.00*	
		For 5 In 12 Slope, Add	*40.00*	
		For 6 In 12 Slope, Add	*74.99*	
		For 7 In 12 Slope, Add	*99.99*	
		For 8 In 12 Slope, Add	*119.99*	
		For 16" On Center Gable Studs, Add	*99.99*	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,055.05	263.67
		For 3 In 12 Slope, Add	*15.83*	
		For 5 In 12 Slope, Add	*42.22*	
		For 6 In 12 Slope, Add	*79.16*	
		For 7 In 12 Slope, Add	*105.54*	
		For 8 In 12 Slope, Add	*126.65*	
		For 16" On Center Gable Studs, Add	*105.54*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,077.35	267.67
		For 3 In 12 Slope, Add	*16.26*	
		For 5 In 12 Slope, Add	*43.36*	
		For 6 In 12 Slope, Add	*81.30*	
		For 7 In 12 Slope, Add	*108.40*	
		For 8 In 12 Slope, Add	*130.08*	
		For 16" On Center Gable Studs, Add	*108.40*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	10.94	3.58
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	13.66	4.47
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	16.40	5.37
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	17.31	5.67
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	19.13	6.27
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	21.86	7.17
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	24.59	8.06
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	25.50	8.36
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	27.34	8.95
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	29.15	9.56
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	30.07	9.86
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	32.79	10.76
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	35.52	11.65
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	38.24	12.55
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	41.00	13.45
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	17.17	5.63
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	21.47	7.04
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	25.77	8.45
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	27.19	8.92
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	30.07	9.86
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	34.36	11.27
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	38.64	12.68
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	40.08	13.14
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	42.94	14.08
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	45.80	15.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	47.24	15.49
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	51.54	16.90
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	55.83	18.31
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	60.11	19.72
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	64.41	21.13
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	68.71	22.53
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	31.62	10.37
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	33.37	10.94
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	36.89	12.10
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	42.16	13.82
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	47.44	15.55
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	49.18	16.13
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	52.69	17.29
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	56.22	18.43
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	57.98	19.01
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	63.24	20.74
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	68.51	22.47
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	73.78	24.19
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	79.04	25.92
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	84.32	27.66
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	41.00	13.45
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	43.26	14.18
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	47.81	15.68
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	54.64	17.92
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	61.49	20.16
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	63.76	20.91
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	68.31	22.40
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	72.85	23.90
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	75.15	24.64
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	81.98	26.87
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	88.80	29.11
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	95.64	31.37
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	102.47	33.60
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	109.30	35.84

06 18 13 00-0061 Glue Laminated Decking *(06 18 13)*

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	5.69	2.34
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	5.88	2.34
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	6.04	2.20

06 18 16 Glued-Laminated Columns *(06 18)*

06 18 16 00-0001 Glue Laminated Structural Units *(06 18 16)*

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	16.47	4.77
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	18.55	5.30
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	35.09	11.33
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	38.45	11.88

06 20 Finish Carpentry *(06)*

06 22 Millwork *(06 20)*

06 22 13 Standard Pattern Wood Trim *(06 22)*

06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.67	1.36
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.84	1.09
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.81	1.09
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	5.37	1.09
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0007 White Pine *(06 22 13 00-0006)*

06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	16.87	4.75
		For Birch, Add	*3.63*	
		For Mahogany, Oak, Maple Or Walnut, Add	*5.22*	
		For Poplar, Add	*2.02*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
		For Stain Grade Material (No Finger Joints), Add	*1.31*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	22.53	5.69
		For Birch, Add	*5.18*	
		For Mahogany, Oak, Maple Or Walnut, Add	*7.29*	
		For Poplar, Add	*2.88*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.87*	
		For Stain Grade Material (No Finger Joints), Add	*1.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	8.43	3.26
		For Birch, Add	*1.08*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.89*	
		For Poplar, Add	*0.60*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
		For Stain Grade Material (No Finger Joints), Add	*0.39*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	9.53	3.26
		For Birch, Add	*1.48*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.39*	
		For Poplar, Add	*0.82*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
		For Stain Grade Material (No Finger Joints), Add	*0.53*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	12.46	4.07
		For Birch, Add	*2.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.23*	
		For Poplar, Add	*1.14*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
		For Stain Grade Material (No Finger Joints), Add	*0.74*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	14.26	4.07
		For Birch, Add	*2.69*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.04*	
		For Poplar, Add	*1.50*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
		For Stain Grade Material (No Finger Joints), Add	*0.97*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	17.69	4.89
		For Birch, Add	*3.44*	
		For Mahogany, Oak, Maple Or Walnut, Add	*5.12*	
		For Poplar, Add	*1.91*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.87*	
		For Stain Grade Material (No Finger Joints), Add	*1.24*	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	8.72	3.80
		For Birch, Add	*1.18*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.02*	
		For Poplar, Add	*0.66*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
		For Stain Grade Material (No Finger Joints), Add	*0.43*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	7.30	2.85
		For Birch, Add	*1.16*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.86*	
		For Poplar, Add	*0.65*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
		For Stain Grade Material (No Finger Joints), Add	*0.42*	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	10.76	2.85
		For Birch, Add	*2.41*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.42*	
		For Poplar, Add	*1.34*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
		For Stain Grade Material (No Finger Joints), Add	*0.87*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	4.36	1.63
		For Birch, Add	*0.55*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.97*	
		For Poplar, Add	*0.31*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
		For Stain Grade Material (No Finger Joints), Add	*0.20*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.74	1.63
		For Birch, Add	*0.69*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.14*	
		For Poplar, Add	*0.38*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
		For Stain Grade Material (No Finger Joints), Add	*0.25*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	6.28	2.03
		For Birch, Add	*1.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.64*	
		For Poplar, Add	*0.58*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	6.28	2.03
		For Birch, Add	*1.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.64*	
		For Poplar, Add	*0.58*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	8.03	2.03
		For Birch, Add	*1.67*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.43*	
		For Poplar, Add	*0.93*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
		For Stain Grade Material (No Finger Joints), Add	*0.60*	
06 22 13 00-0023	LF	7-1/2" Wide White Pine Mullion Covers	50.42	2.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 22 13 00-0024	LF	Three Piece White Pine Mullion Trim, 2 Cove Moldings	63.69	2.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	

06 22 13 00-0025 Cedar Trim *(06 22 13 00-0006)*

06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	14.76	6.82
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.26*	

06 22 13 00-0027 Oak Trim *(06 22 13 00-0006)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	15.23	6.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.10*	

06 22 13 00-0029 Closet Poles *(06 22 13)*

06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	12.81	3.53
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	15.40	3.53
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	20.73	3.93

06 25 Prefinished Paneling *(06 20)*

06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*
Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	8.10	2.45
		For Waterproof Glue, Add	*0.18*	
		For Ceiling Installation, Add	*1.67*	
		For Glue Laminated Installation, Add	*0.41*	
		For 1/8" Thick Paneling, Deduct	*-0.81*	
		For 1/2" Thick Paneling, Add	*2.03*	
		For 5/8" Thick Paneling, Add	*2.56*	
		For 3/4" Thick Paneling, Add	*3.24*	
		For Fire Retardant Treatment (Class I), Add	*1.99*	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	8.86	3.00
		For Waterproof Glue, Add	*0.16*	
		For Ceiling Installation, Add	*1.97*	
		For Glue Laminated Installation, Add	*0.44*	
		For 1/8" Thick Paneling, Deduct	*-0.84*	
		For 1/2" Thick Paneling, Add	*2.03*	
		For 5/8" Thick Paneling, Add	*2.52*	
		For 3/4" Thick Paneling, Add	*3.14*	
		For Fire Retardant Treatment (Class I), Add	*1.82*	
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	9.82	2.45
		For Waterproof Glue, Add	*0.30*	
		For Ceiling Installation, Add	*1.67*	
		For Glue Laminated Installation, Add	*0.49*	
		For 1/8" Thick Paneling, Deduct	*-1.10*	
		For 1/2" Thick Paneling, Add	*2.96*	
		For 5/8" Thick Paneling, Add	*3.85*	
		For 3/4" Thick Paneling, Add	*4.99*	
		For Fire Retardant Treatment (Class I), Add	*3.35*	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	9.38	3.00
		For Waterproof Glue, Add	*0.20*	
		For Ceiling Installation, Add	*1.97*	
		For Glue Laminated Installation, Add	*0.47*	
		For 1/8" Thick Paneling, Deduct	*-0.93*	
		For 1/2" Thick Paneling, Add	*2.31*	
		For 5/8" Thick Paneling, Add	*2.91*	
		For 3/4" Thick Paneling, Add	*3.67*	
		For Fire Retardant Treatment (Class I), Add	*2.24*	

06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	7.56	2.45
		For Waterproof Glue, Add	*0.14*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.22*	
		For Fire Retardant Treatment (Class I), Add	*1.56*	

06 40 Architectural Woodwork *(06)*

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

Note: NNote: Cabinets Include Hinges, Mounting Hardware And Door Pulls. Refer To WIC For Grade Listing. Basic Is Custom.

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*
Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Removal And Reinstallation Of Wood Base Cabinets	103.78
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	90.24
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	21.34

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets *(06 41 13)*
Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0006)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	396.26	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	421.16	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	440.13	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	462.67	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	524.60	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	547.91	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	591.78	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	622.88	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	642.20	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	731.37	108.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	805.89	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	893.59	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	845.08	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	942.34	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	402.00	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	411.60	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	448.73	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	477.01	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	496.88	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	521.15	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	843.17	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	888.61	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0030	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	933.74	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0031	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	489.94	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0032	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	500.49	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0033	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	542.40	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	576.42	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	605.85	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	635.85	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	883.31	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	933.54	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0039	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	985.36	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0040		**Wall Cabinet, 12" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	357.07	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	380.13	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	418.70	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	445.46	88.17
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0045		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	303.42	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	310.90	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	326.04	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	334.49	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	343.90	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	359.98	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	384.69	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	418.70	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	445.46	88.17
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0055		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	314.89	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	330.97	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	343.25	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	356.47	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	374.49	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	394.95	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	413.51	67.82
		For All Plywood Box Construction, Add	*63.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	428.66	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	437.82	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	345.27	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	374.80	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	399.21	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	428.44	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	456.76	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	499.21	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	511.08	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	556.06	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	572.35	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	386.37	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	417.81	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	445.09	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	476.23	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	555.22	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	558.47	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	577.99	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	630.62	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	646.91	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	429.39	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	467.51	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	496.71	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	526.89	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	572.42	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	610.09	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	641.08	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	700.39	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	721.47	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	409.21	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	438.40	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	470.15	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	507.20	88.17
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet	595.98	108.52
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0101 Utility Cabinets, 84" High *(06 41 13 00-0006)*

06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	786.73	60.29
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	887.96	72.35
		For All Plywood Box Construction, Add	*233.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	995.90	566.71
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,047.46	96.46
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,260.53	120.57
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,448.76	144.69
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	884.23	60.29
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	976.86	72.35
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,112.52	84.41
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,182.23	96.46
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,458.40	120.57
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,662.87	144.69
		For All Plywood Box Construction, Add	*233.23*	

06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0114)*

06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	358.98	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	381.01	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	398.07	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	418.70	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	472.98	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	494.39	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	532.51	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	560.75	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	578.16	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	657.77	108.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	721.77	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	798.96	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	756.18	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	841.98	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	364.72	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	373.36	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	405.72	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	431.13	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	449.09	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	470.49	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	754.27	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	793.98	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	834.33	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	441.19	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	451.75	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	488.88	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	519.07	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	544.67	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	571.81	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	789.64	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	834.13	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	880.21	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	

06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	324.57	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	344.76	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	379.51	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	403.41	88.17
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	276.65	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	283.18	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	296.41	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	304.86	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	313.31	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	327.48	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	349.32	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	379.51	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	403.41	88.17
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0163 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	286.21	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	300.38	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	311.71	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	323.97	47.48
		For All Plywood Box Construction, Add	*63.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	340.08	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	358.62	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	374.32	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	388.51	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	396.72	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0173 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	315.64	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	342.30	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	363.84	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	389.25	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	414.71	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	452.37	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	463.29	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	502.53	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	517.87	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0183 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0184	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	351.96	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0185	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	379.58	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0186	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	403.99	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0187	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	431.31	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0188	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	501.69	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0189	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	503.99	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0190	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	521.60	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0191	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	568.49	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0192	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	582.87	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0193 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0194	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	389.24	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0195	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	423.54	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0196	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	449.87	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0197	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	476.23	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0198	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	516.98	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0199	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	549.87	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0200	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	577.04	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0201	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	629.66	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0202	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	648.82	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0203 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0114)*

06 41 13 00-0204	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	371.93	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0205	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	398.25	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0206	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	426.18	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0207	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	459.40	88.17
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0208	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet	537.67	108.52
		For All Plywood Box Construction, Add	*63.09*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0209		**Utility Cabinets, 84" High** *(06 41 13 00-0114)*		
06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	717.91	60.29
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	809.58	72.35
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0212	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	907.01	566.71
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0213	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	954.74	96.46
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0214	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,143.92	120.57
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,312.07	144.69
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	803.94	60.29
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	887.96	72.35
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,009.29	84.41
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,073.27	96.46
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,317.89	120.57
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,500.37	144.69
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0222		**Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets** *(06 41 13 00-0005)*		
06 41 13 00-0223		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	358.98	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	381.01	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	398.07	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	418.70	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	472.98	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	494.39	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	532.51	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	560.75	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	578.16	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	657.77	108.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	721.77	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	798.96	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	756.18	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	841.98	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	364.72	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	373.36	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	405.72	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	431.13	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	449.09	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	470.49	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	754.27	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	793.98	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	834.33	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	441.19	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	451.75	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	488.88	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	519.07	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	544.67	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	571.81	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	789.64	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	834.13	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	880.21	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0256		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	324.57	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	344.76	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	379.51	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	403.41	88.17
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0261		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	276.65	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	283.18	33.91
		For All Plywood Box Construction, Add	*63.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	296.41	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	304.86	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	313.31	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	327.48	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	349.32	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	379.51	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	403.41	88.17
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	286.21	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	300.38	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	311.71	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	323.97	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	340.08	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	358.62	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	374.32	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	388.51	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	396.72	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	315.64	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	342.30	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	363.84	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	389.25	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	414.71	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	452.37	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	463.29	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	502.53	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	517.87	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	351.96	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	379.58	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	403.99	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	431.31	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	501.69	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	503.99	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	521.60	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	568.49	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	582.87	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	389.24	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	423.54	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	449.87	40.69
		For All Plywood Box Construction, Add	*63.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	476.23	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	516.98	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	549.87	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	577.04	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	629.66	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	648.82	81.39
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0222)*

06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	371.93	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	398.25	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	426.18	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	459.40	88.17
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	537.67	108.52
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0317 Utility Cabinets, 84" High *(06 41 13 00-0222)*

06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	717.91	60.29
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	809.58	72.35
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	907.01	566.71
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	954.74	96.46
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,143.92	120.57
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,312.07	144.69
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	803.94	60.29
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	887.96	72.35
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,009.29	84.41
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,073.27	96.46
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,317.89	120.57
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,500.37	144.69
		For All Plywood Box Construction, Add	*233.23*	

06 41 13 00-0330 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0331 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0330)*

06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	358.98	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	381.01	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	398.07	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	418.70	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	472.98	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	494.39	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	532.51	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	560.75	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	578.16	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	657.77	108.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	721.77	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	798.96	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	756.18	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	841.98	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	364.72	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	373.36	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	405.72	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	431.13	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	449.09	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	470.49	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	754.27	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	793.98	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	834.33	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	441.19	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	451.75	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	488.88	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	519.07	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	544.67	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	571.81	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	789.64	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	834.13	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	880.21	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	

06 41 13 00-0364 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	324.57	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	344.76	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	379.51	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	403.41	88.17
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0369 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	276.65	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	283.18	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	296.41	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	304.86	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0374	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	313.31	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0375	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	327.48	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0376	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	349.32	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0377	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	379.51	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0378	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	403.41	88.17
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0379 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0380	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	286.21	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0381	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	300.38	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0382	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	311.71	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0383	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	323.97	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0384	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	340.08	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0385	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	358.62	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0386	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	374.32	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0387	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	388.51	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0388	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	396.72	81.39
		For All Plywood Box Construction, Add	*63.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0389		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	315.64	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	342.30	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	363.84	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	389.25	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	414.71	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	452.37	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	463.29	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	502.53	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	517.87	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0399		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	351.96	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	379.58	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	403.99	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	431.31	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	501.69	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	503.99	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	521.60	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	568.49	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	582.87	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0409		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	389.24	27.13
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	423.54	33.91
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	449.87	40.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	476.23	47.48
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	516.98	54.26
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	549.87	61.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	577.04	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	629.66	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	648.82	81.39
		For All Plywood Box Construction, Add	*63.09*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0419		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	371.93	67.82
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	398.25	74.60
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	426.18	81.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	459.40	88.17
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	537.67	108.52
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0425		**Utility Cabinets, 84" High** *(06 41 13 00-0330)*		
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	717.91	60.29
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	809.58	72.35
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	907.01	566.71
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	954.74	96.46
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,143.92	120.57
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,312.07	144.69
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	803.94	60.29
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	887.96	72.35
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,009.29	84.41
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,073.27	96.46
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,317.89	120.57
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,500.37	144.69
		For All Plywood Box Construction, Add	*233.23*	

06 41 93 Cabinet and Drawer Hardware *(06 41)*

06 41 93 00-0001 Cabinet Hardware *(06 41 93)*

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	32.19	11.53
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	33.13	11.53
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	34.77	11.53
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle	36.60	11.53
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle	37.54	11.53
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle	47.66	11.53
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle	89.52	11.53
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs	25.00	8.82
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	24.83	8.82
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull	33.78	10.18
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull	38.18	10.18
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull	41.19	10.18
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull	45.30	10.18
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull	64.40	10.18
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch	48.41	13.57
06 41 93 00-0017	EA	Cabinet Door or Drawer Bored Lock with 2 Keys	64.23	11.53
06 41 93 00-0018	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch	43.53	11.53
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored 4-Pin, Cam Lock With 2 Keys	105.61	

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 13 Wood Board Paneling *(06 42)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 13 00-0001		Solid Wood Paneling *(06 42 13)*		
06 42 13 00-0002		7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*		
06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	12.44	2.85
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	13.10	2.85
06 42 13 00-0005		7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*		
06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	24.27	2.71
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	22.17	2.71
06 42 13 00-0008		1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*		
06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	14.40	2.85
06 42 13 00-0010		1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*		
06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	9.28	2.44
06 42 16		**Flush Wood Paneling** *(06 42)*		
06 42 16 00-0001		Veneer Hardboard Panels *(06 42 16)*		
06 42 16 00-0002	SF	1/4" Maple Or Birch Veneer Paneling	9.55	2.45
		For Waterproof Glue, Add	*0.28*	
		For Ceiling Installation, Add	*1.67*	
06 42 16 00-0003		Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*		
06 42 16 00-0004		Birch *(06 42 16 00-0003)*		
06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	6.23	2.18
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*1.48*	
		For Installation On Metal Studs Or Furring, Add	*0.54*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.14*	
		For 1/8" Thick Paneling, Deduct	*-0.56*	
		For 1/2" Thick Paneling, Add	*1.30*	
		For 5/8" Thick Paneling, Add	*1.57*	
		For 3/4" Thick Paneling, Add	*1.93*	
		For Fire Retardant Treatment (Class I), Add	*1.03*	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	6.33	2.18
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.48*	
		For Installation On Metal Studs Or Furring, Add	*0.54*	
		For Glue Laminated Installation, Add	*0.32*	
		For Lumber Core, Add	*0.16*	
		For 1/8" Thick Paneling, Deduct	*-0.58*	
		For 1/2" Thick Paneling, Add	*1.35*	
		For 5/8" Thick Paneling, Add	*1.65*	
		For 3/4" Thick Paneling, Add	*2.03*	
		For Fire Retardant Treatment (Class I), Add	*1.11*	
06 42 16 00-0007		Knotty Pine *(06 42 16 00-0003)*		
06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	7.19	2.45
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.64*	
		For Installation On Metal Studs Or Furring, Add	*0.60*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.67*	
		For 1/2" Thick Paneling, Add	*1.59*	
		For 5/8" Thick Paneling, Add	*1.95*	
		For 3/4" Thick Paneling, Add	*2.42*	
		For Fire Retardant Treatment (Class I), Add	*1.37*	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	7.11	2.45
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.64*	
		For Installation On Metal Studs Or Furring, Add	*0.60*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.66*	
		For 1/2" Thick Paneling, Add	*1.55*	
		For 5/8" Thick Paneling, Add	*1.89*	
		For 3/4" Thick Paneling, Add	*2.34*	
		For Fire Retardant Treatment (Class I), Add	*1.30*	
06 42 16 00-0010		Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	7.25	2.73
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.84*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.12*	
		For 1/8" Thick Paneling, Deduct	*-0.62*	
		For 1/2" Thick Paneling, Add	*1.34*	
		For 5/8" Thick Paneling, Add	*1.57*	
		For 3/4" Thick Paneling, Add	*1.87*	
		For Fire Retardant Treatment (Class I), Add	*0.88*	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	7.28	2.73
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.84*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.62*	
		For 1/2" Thick Paneling, Add	*1.35*	
		For 5/8" Thick Paneling, Add	*1.59*	
		For 3/4" Thick Paneling, Add	*1.90*	
		For Fire Retardant Treatment (Class I), Add	*0.90*	

06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick *(06 42 16)*

06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	6.92	2.45
		For Flitch Matched Veneer, Add	*0.73*	
		For Second Grade Veneer, Deduct	*-0.15*	
		For Third Grade Veneer, Deduct	*-0.22*	
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.64*	
		For Installation On Metal Studs Or Furring, Add	*0.60*	
		For Glue Laminated Installation, Add	*0.35*	
		For Lumber Core, Add	*0.16*	
		For 1/8" Thick Paneling, Deduct	*-0.63*	
		For 1/2" Thick Paneling, Add	*1.44*	
		For 5/8" Thick Paneling, Add	*1.75*	
		For 3/4" Thick Paneling, Add	*2.14*	
		For Fire Retardant Treatment (Class I), Add	*1.15*	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	7.58	2.45
		For Flitch Matched Veneer, Add	*1.06*	
		For Second Grade Veneer, Deduct	*-0.21*	
		For Third Grade Veneer, Deduct	*-0.32*	
		For Waterproof Glue, Add	*0.15*	
		For Ceiling Installation, Add	*1.64*	
		For Installation On Metal Studs Or Furring, Add	*0.60*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.23*	
		For 1/8" Thick Paneling, Deduct	*-0.74*	
		For 1/2" Thick Paneling, Add	*1.80*	
		For 5/8" Thick Paneling, Add	*2.25*	
		For 3/4" Thick Paneling, Add	*2.82*	
		For Fire Retardant Treatment (Class I), Add	*1.67*	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	11.09	2.45
		For Flitch Matched Veneer, Add	*2.28*	
		For Second Grade Veneer, Deduct	*-0.46*	
		For Third Grade Veneer, Deduct	*-0.68*	
		For Waterproof Glue, Add	*0.32*	
		For Ceiling Installation, Add	*1.96*	
		For Installation On Metal Studs Or Furring, Add	*0.72*	
		For Glue Laminated Installation, Add	*0.55*	
		For Lumber Core, Add	*0.50*	
		For 1/8" Thick Paneling, Deduct	*-1.22*	
		For 1/2" Thick Paneling, Add	*3.24*	
		For 5/8" Thick Paneling, Add	*4.20*	
		For 3/4" Thick Paneling, Add	*5.43*	
		For Fire Retardant Treatment (Class I), Add	*3.59*	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	5.87	2.45
		For Flitch Matched Veneer, Add	*0.49*	
		For Second Grade Veneer, Deduct	*-0.10*	
		For Third Grade Veneer, Deduct	*-0.15*	
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.47*	
		For Installation On Metal Studs Or Furring, Add	*0.54*	
		For Glue Laminated Installation, Add	*0.29*	
		For Lumber Core, Add	*0.11*	
		For 1/8" Thick Paneling, Deduct	*-0.50*	
		For 1/2" Thick Paneling, Add	*1.11*	
		For 5/8" Thick Paneling, Add	*1.32*	
		For 3/4" Thick Paneling, Add	*1.58*	
		For Fire Retardant Treatment (Class I), Add	*0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	9.80	2.45
		For Flitch Matched Veneer, Add	*1.83*	
		For Second Grade Veneer, Deduct	*-0.37*	
		For Third Grade Veneer, Deduct	*-0.55*	
		For Waterproof Glue, Add	*0.26*	
		For Ceiling Installation, Add	*1.84*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.49*	
		For Lumber Core, Add	*0.40*	
		For 1/8" Thick Paneling, Deduct	*-1.04*	
		For 1/2" Thick Paneling, Add	*2.71*	
		For 5/8" Thick Paneling, Add	*3.48*	
		For 3/4" Thick Paneling, Add	*4.47*	
		For Fire Retardant Treatment (Class I), Add	*2.89*	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	7.08	2.45
		For Flitch Matched Veneer, Add	*0.81*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.24*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.64*	
		For Installation On Metal Studs Or Furring, Add	*0.60*	
		For Glue Laminated Installation, Add	*0.35*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.65*	
		For 1/2" Thick Paneling, Add	*1.53*	
		For 5/8" Thick Paneling, Add	*1.87*	
		For 3/4" Thick Paneling, Add	*2.31*	
		For Fire Retardant Treatment (Class I), Add	*1.28*	
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	8.29	2.45
		For Flitch Matched Veneer, Add	*1.08*	
		For Second Grade Veneer, Deduct	*-0.22*	
		For Third Grade Veneer, Deduct	*-0.32*	
		For Waterproof Glue, Add	*0.15*	
		For Ceiling Installation, Add	*1.84*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.41*	
		For Lumber Core, Add	*0.24*	
		For 1/8" Thick Paneling, Deduct	*-0.79*	
		For 1/2" Thick Paneling, Add	*1.90*	
		For 5/8" Thick Paneling, Add	*2.35*	
		For 3/4" Thick Paneling, Add	*2.93*	
		For Fire Retardant Treatment (Class I), Add	*1.70*	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	12.86	2.45
		For Flitch Matched Veneer, Add	*2.60*	
		For Second Grade Veneer, Deduct	*-0.52*	
		For Third Grade Veneer, Deduct	*-0.78*	
		For Waterproof Glue, Add	*0.36*	
		For Ceiling Installation, Add	*2.30*	
		For Installation On Metal Studs Or Furring, Add	*0.84*	
		For Glue Laminated Installation, Add	*0.64*	
		For Lumber Core, Add	*0.57*	
		For 1/8" Thick Paneling, Deduct	*-1.40*	
		For 1/2" Thick Paneling, Add	*3.72*	
		For 5/8" Thick Paneling, Add	*4.81*	
		For 3/4" Thick Paneling, Add	*6.21*	
		For Fire Retardant Treatment (Class I), Add	*4.10*	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	9.79	2.45
		For Flitch Matched Veneer, Add	*1.83*	
		For Second Grade Veneer, Deduct	*-0.37*	
		For Third Grade Veneer, Deduct	*-0.55*	
		For Waterproof Glue, Add	*0.26*	
		For Ceiling Installation, Add	*1.84*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.49*	
		For Lumber Core, Add	*0.40*	
		For 1/8" Thick Paneling, Deduct	*-1.04*	
		For 1/2" Thick Paneling, Add	*2.71*	
		For 5/8" Thick Paneling, Add	*3.47*	
		For 3/4" Thick Paneling, Add	*4.46*	
		For Fire Retardant Treatment (Class I), Add	*2.88*	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	8.57	2.45
		For Flitch Matched Veneer, Add	*1.56*	
		For Second Grade Veneer, Deduct	*-0.31*	
		For Third Grade Veneer, Deduct	*-0.47*	
		For Waterproof Glue, Add	*0.22*	
		For Ceiling Installation, Add	*1.64*	
		For Installation On Metal Studs Or Furring, Add	*0.60*	
		For Glue Laminated Installation, Add	*0.43*	
		For Lumber Core, Add	*0.34*	
		For 1/8" Thick Paneling, Deduct	*-0.90*	
		For 1/2" Thick Paneling, Add	*2.33*	
		For 5/8" Thick Paneling, Add	*2.99*	
		For 3/4" Thick Paneling, Add	*3.83*	
		For Fire Retardant Treatment (Class I), Add	*2.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	7.11	2.45
		For Flitch Matched Veneer, Add	*0.83*	
		For Second Grade Veneer, Deduct	*-0.17*	
		For Third Grade Veneer, Deduct	*-0.25*	
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.64*	
		For Installation On Metal Studs Or Furring, Add	*0.60*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.66*	
		For 1/2" Thick Paneling, Add	*1.55*	
		For 5/8" Thick Paneling, Add	*1.89*	
		For 3/4" Thick Paneling, Add	*2.34*	
		For Fire Retardant Treatment (Class I), Add	*1.30*	
06 42 16 00-0025		Accessories *(06 42 16)*		
06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	42.94	

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001		Plastic Laminate *(06 42 19)* Note: Standard colors and patterns.		
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	12.30	4.75

06 43 Wood Stairs and Railings *(06 40)*

06 43 13 Wood Stairs *(06 43)*

06 43 13 00-0001		Stair Parts *(06 43 13)*		
06 43 13 00-0002	EA	30" Baluster, Pine	65.33	27.53
06 43 13 00-0003	EA	30" Baluster, Birch	76.47	27.53
06 43 13 00-0004	EA	42" Baluster, Pine	73.36	28.47
06 43 13 00-0005	EA	42" Baluster, Birch	85.24	28.47
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	377.41	108.21
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	551.19	151.87
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	231.70	94.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*31.16*	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	270.22	104.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*34.26*	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	46.23	14.24
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.67*	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	58.99	8.00
		For Beech, Add	*12.92*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.66*	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	71.25	8.00
		For Beech, Add	*16.60*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.66*	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	33.29	8.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.66*	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	44.83	8.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.82*	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	42.23	8.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.82*	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	25.51	8.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.82*	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	24.70	8.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.82*	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	53.00	
06 43 13 00-0019		Interior Box Stairs *(06 43 13)* Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	328.96	82.58
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*27.13*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*79.39*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*26.75*	
		For Oak Or Maple Treads, Add	*94.95*	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	348.26	84.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*27.75*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*80.19*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.08*	
		For Oak Or Maple Treads, Add	*102.43*	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	366.27	85.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*28.07*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*80.61*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.25*	
		For Oak Or Maple Treads, Add	*109.91*	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	387.09	86.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*28.38*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*81.01*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.42*	
		For Oak Or Maple Treads, Add	*118.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	399.45	87.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*28.69*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*81.42*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.59*	
		For Oak Or Maple Treads, Add	*123.63*	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	413.20	89.23
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.31*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.24*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.93*	
		For Oak Or Maple Treads, Add	*128.59*	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	425.56	90.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.62*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.64*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.10*	
		For Oak Or Maple Treads, Add	*133.54*	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	437.96	91.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.94*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*83.05*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.27*	
		For Oak Or Maple Treads, Add	*138.50*	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	450.29	92.07
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*30.25*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*83.45*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.44*	
		For Oak Or Maple Treads, Add	*143.46*	
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	465.28	94.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*31.19*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*84.68*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.95*	
		For Oak Or Maple Treads, Add	*148.36*	

06 43 16 Wood Railings *(06 43)*

06 43 16 00-0001 Handrails *(06 43 16)*

06 43 16 00-0002 Wood Handrail With Brackets *(06 43 16 00-0001)*

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets	21.38	6.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.12*	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets	22.96	6.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.12*	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets	28.22	6.78
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets	29.53	6.78
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets	34.26	6.78
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets	48.87	6.78

06 44 Ornamental Woodwork *(06 40)*

06 44 39 Wood Posts and Columns *(06 44)*

06 44 39 00-0001 Columns *(06 44 39)*

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	78.45	7.23
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	98.02	10.57
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	120.36	12.24
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	144.32	12.80
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	324.01	14.46
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	376.58	15.57
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	453.58	16.69
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	541.81	17.81
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	90.47	7.23
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	107.65	10.57
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	133.67	12.24
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	158.54	12.80
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	352.91	14.46
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	480.26	15.57
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	517.80	16.69
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	583.09	17.81

06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	94.60	7.23
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	116.37	10.57
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	144.22	12.24
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	174.14	12.80
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	398.83	14.46
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	464.20	15.57
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	560.14	16.69
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	670.16	17.81
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	109.65	7.23
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	129.53	10.57
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	161.47	12.24
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	192.39	12.80
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	435.03	14.46

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	594.16	15.57
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	640.65	16.69
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	721.95	17.81
06 44 39 00-0036		Pine Classical Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	84.16	7.23
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	104.89	10.57
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	129.00	12.24
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	155.02	12.80
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	97.26	7.23
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	115.39	10.57
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	143.50	12.24
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	170.51	12.80
06 44 39 00-0045		Redwood Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	132.21	7.23
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	158.57	10.57
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	197.89	12.24
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	242.49	12.80
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	152.40	7.23
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	180.13	10.57
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	223.12	12.24
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	275.52	12.80
06 44 39 00-0054		Ornamental Or Decorative Cap And Bases, Resin *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	415.38	15.02
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	629.73	16.69
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	878.42	19.47
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	1,122.52	22.25
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	369.51	15.02
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	515.05	16.69
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	639.89	19.47
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	838.11	22.25
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	388.97	15.57
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base	515.05	16.69
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base	639.89	19.47
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base	815.17	22.25
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	393.56	15.57
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	560.92	16.69
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	662.82	19.47
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	911.51	22.25
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base	393.56	15.57
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base	611.38	16.69
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base	809.61	19.47
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base	1,003.25	22.25
06 44 39 00-0075		Ornamental Or Decorative Cap And Bases, Plaster *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	842.00	15.02
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	946.25	16.69
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	1,204.12	19.47
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	1,324.36	22.25
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	557.59	15.02
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	648.08	16.69
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	800.44	19.47
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	1,007.84	22.25
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base	535.76	15.57
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base	703.12	16.69
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base	850.90	19.47
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base	1,007.84	22.25
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	636.68	15.57
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	845.33	16.69
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	951.82	19.47
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	1,209.68	22.25
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base	535.76	15.57
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base	693.95	16.69
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base	905.95	19.47
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base	1,159.22	22.25
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	604.57	15.57
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	739.82	16.69
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	901.36	19.47
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	1,007.84	22.25

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	6.24	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	6.29	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	7.78	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	

06 46 19 Wood Base and Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	6.50	2.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	6.93	2.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	8.16	1.63
		For Clear Birch, Add	*0.87*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.77*	
		For Stain Grade Material (No Finger Joints), Add	*0.49*	
		For Clear Poplar, Add	*0.55*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	9.93	2.03
		For Clear Birch, Add	*1.01*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.10*	
		For Stain Grade Material (No Finger Joints), Add	*0.57*	
		For Clear Poplar, Add	*0.63*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	12.33	2.30
		For Clear Birch, Add	*1.56*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.94*	
		For Stain Grade Material (No Finger Joints), Add	*0.88*	
		For Clear Poplar, Add	*0.97*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	8.03	2.57
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade	7.78	2.57
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade	7.24	2.57

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	9.91	2.44
		For Birch, Add	*1.43*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.56*	
		For Poplar, Add	*0.90*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	12.18	2.44
		For Birch, Add	*2.16*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.58*	
		For Poplar, Add	*1.35*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	7.35	2.44
		For Birch, Add	*1.05*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.88*	
		For Poplar, Add	*0.66*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	7.47	2.44
		For Birch, Add	*0.73*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.46*	
		For Poplar, Add	*0.92*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	9.33	2.57
		For Birch, Add	*1.32*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.22*	
		For Poplar, Add	*1.66*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	12.92	2.71
		For Birch, Add	*2.53*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.75*	
		For Poplar, Add	*3.16*	
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	14.89	2.71
		For Birch, Add	*3.14*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.54*	
		For Poplar, Add	*3.93*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	17.16	2.85
		For Birch, Add	*3.86*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*5.46*	
		For Poplar, Add	*4.82*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	22.03	3.12
		For Birch, Add	*5.49*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*7.54*	
		For Poplar, Add	*6.86*	

06 46 29 Wood Fasciae and Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	6.28	2.71
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	7.16	3.01
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	7.72	3.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	9.06	3.54
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	6.22	2.71
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	7.07	3.01
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	7.85	3.16
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	9.45	3.54
06 46 29 00-0011		**Cedar Fascia Board** *(06 46 29 00-0001)*		
06 46 29 00-0012	LF	1" x 6" Cedar Fascia Board	6.69	2.71
06 46 29 00-0013	LF	1" x 8" Cedar Fascia Board	7.80	3.01
06 46 29 00-0014	LF	1" x 10" Cedar Fascia Board	8.95	3.16
06 46 29 00-0015	LF	1" x 12" Cedar Fascia Board	10.79	3.54
06 46 29 00-0016		**Engineered Wood Fascia Board** *(06 46 29 00-0001)*		
06 46 29 00-0017	LF	1" x 6" Engineered Wood Fascia Board	6.05	2.71
06 46 29 00-0018	LF	1" x 8" Engineered Wood Fascia Board	6.84	3.01
06 46 29 00-0019	LF	1" x 12" Engineered Wood Fascia Board	8.32	3.54
06 46 29 00-0020		**Soffit** *(06 46 29)*		
06 46 29 00-0021		**Sanded Plywood Soffit** *(06 46 29 00-0020)*		
06 46 29 00-0022	SF	3/8" Thick, Sanded Plywood Soffit	5.17	2.05
06 46 29 00-0023	SF	1/2" Thick, Sanded Plywood Soffit	5.63	2.16
06 46 29 00-0024	SF	5/8" Thick, Sanded Plywood Soffit	5.92	2.25
06 46 29 00-0025	SF	3/4" Thick, Sanded Plywood Soffit	6.48	2.37
06 46 29 00-0026		**MDO Plywood Soffit** *(06 46 29 00-0020)*		
06 46 29 00-0027	SF	3/8" Thick, MDO Plywood Soffit	5.67	2.05
06 46 29 00-0028	SF	1/2" Thick, MDO Plywood Soffit	6.26	2.16
06 46 29 00-0029	SF	3/4" Thick, MDO Plywood Soffit	7.71	2.37
06 46 29 00-0030		**Exterior Ceiling Gypsum Board Soffit** *(06 46 29 00-0020)*		
06 46 29 00-0031	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	4.29	1.78
06 46 29 00-0032	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	4.62	1.88
06 46 36		**Custom Wood Molding** *(06 46)*		
		Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.		
06 46 36 00-0001		**Basswood** *(06 46 36)*		
06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Basswood	7.84	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Basswood	9.52	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Basswood	11.21	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Basswood	12.89	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Basswood	14.71	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Basswood	16.54	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Basswood	18.21	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Basswood	19.92	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Basswood	21.53	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Basswood	23.40	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Basswood	25.14	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Basswood	8.90	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Basswood	11.01	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Basswood	13.14	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Basswood	15.25	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Basswood	17.58	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Basswood	19.85	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Basswood	21.95	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Basswood	24.09	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Basswood	26.20	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Basswood	28.50	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Basswood	30.69	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0024	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	12.04	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0025	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	15.69	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0026	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	19.33	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0027	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	22.98	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0028	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	26.78	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0029	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	30.58	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0030	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	34.21	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0031	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	37.89	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0032	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	41.46	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0033	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	45.30	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0034	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	49.00	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0035	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	46.03	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0036	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	56.34	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.40*	
06 46 36 00-0037	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	66.53	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0038	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	76.99	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0039	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	87.17	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0040	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	97.59	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0041	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	107.66	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0042	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	117.85	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0043	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	128.31	2.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.78*	

06 46 36 00-0044 Clear Western Cedar *(06 46 36)*

06 46 36 00-0045	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	8.38	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0046	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	10.34	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0047	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	12.30	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0048	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	14.25	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0049	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	16.35	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0050	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	18.46	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0051	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	9.83	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0052	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	12.43	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0053	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	15.05	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0054	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	17.66	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0055	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	20.41	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0056	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	23.18	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0057	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	12.70	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0058	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	16.67	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0059	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	20.64	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0060	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	24.61	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0061	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	28.75	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0062	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	32.87	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0063	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	13.04	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0064	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	17.14	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0065	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	21.22	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0066	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	25.30	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0067	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar	29.40	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0068	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar	33.77	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0069	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar	40.79	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0070	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar	49.79	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.40*	
06 46 36 00-0071	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar	58.67	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0072	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar	67.81	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0073	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar	76.68	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0074	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar	85.69	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0075	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar	94.56	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0076	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar	103.43	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0077	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar	112.58	2.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.78*	

06 46 36 00-0078 Cherry *(06 46 36)*

06 46 36 00-0079	LF	3/4" x 1-1/2" Custom Shaped Cherry	10.13	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0080	LF	3/4" x 2-1/2" Custom Shaped Cherry	12.96	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0081	LF	3/4" x 3-1/2" Custom Shaped Cherry	15.79	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0082	LF	3/4" x 4-1/2" Custom Shaped Cherry	18.62	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0083	LF	3/4" x 5-1/2" Custom Shaped Cherry	21.60	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0084	LF	3/4" x 6-1/2" Custom Shaped Cherry	24.57	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0085	LF	3/4" x 7-1/2" Custom Shaped Cherry	27.39	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0086	LF	3/4" x 8-1/2" Custom Shaped Cherry	30.24	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0087	LF	3/4" x 9-1/2" Custom Shaped Cherry	33.00	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0088	LF	3/4" x 10-1/2" Custom Shaped Cherry	36.02	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0089	LF	3/4" x 11-1/2" Custom Shaped Cherry	38.90	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0090	LF	1" x 1-1/2" Custom Shaped Cherry	12.01	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0091	LF	1" x 2-1/2" Custom Shaped Cherry	15.71	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0092	LF	1" x 3-1/2" Custom Shaped Cherry	19.42	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0093	LF	1" x 4-1/2" Custom Shaped Cherry	23.12	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0094	LF	1" x 5-1/2" Custom Shaped Cherry	26.97	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0095	LF	1" x 6-1/2" Custom Shaped Cherry	30.83	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0096	LF	1" x 7-1/2" Custom Shaped Cherry	34.51	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0097	LF	1" x 8-1/2" Custom Shaped Cherry	38.29	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0098	LF	1" x 9-1/2" Custom Shaped Cherry	41.88	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0099	LF	1" x 10-1/2" Custom Shaped Cherry	45.76	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0100	LF	1" x 11-1/2" Custom Shaped Cherry	49.53	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0101	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	14.06	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0102	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	18.74	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0103	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	23.37	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0104	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	28.05	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0105	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	32.84	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0106	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	37.67	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0107	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	42.29	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0108	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	47.01	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0109	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	51.56	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0110	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	56.44	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0111	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	61.12	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0112	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	17.85	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0113	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	24.34	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0114	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	30.83	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0115	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	37.31	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0116	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	43.82	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0117	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	50.59	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0118	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	57.06	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0119	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	63.59	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0120	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	70.01	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0121	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	76.78	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0122	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	83.22	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	

06 46 36 00-0123 Cypress *(06 46 36)*

06 46 36 00-0124	LF	3/4" x 1-1/2" Custom Shaped Cypress	7.84	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0125	LF	3/4" x 2-1/2" Custom Shaped Cypress	9.52	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0126	LF	3/4" x 3-1/2" Custom Shaped Cypress	11.21	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0127	LF	3/4" x 4-1/2" Custom Shaped Cypress	12.89	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0128	LF	3/4" x 5-1/2" Custom Shaped Cypress	14.71	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0129	LF	3/4" x 6-1/2" Custom Shaped Cypress	16.54	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0130	LF	3/4" x 7-1/2" Custom Shaped Cypress	18.65	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0131	LF	3/4" x 8-1/2" Custom Shaped Cypress	20.41	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0132	LF	3/4" x 9-1/2" Custom Shaped Cypress	23.72	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0133	LF	3/4" x 10-1/2" Custom Shaped Cypress	25.80	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0134	LF	1" x 1-1/2" Custom Shaped Cypress	10.26	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0135	LF	1" x 2-1/2" Custom Shaped Cypress	13.03	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0136	LF	1" x 3-1/2" Custom Shaped Cypress	15.87	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0137	LF	1" x 4-1/2" Custom Shaped Cypress	18.69	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0138	LF	1" x 5-1/2" Custom Shaped Cypress	21.67	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0139	LF	1" x 6-1/2" Custom Shaped Cypress	24.60	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0140	LF	1" x 7-1/2" Custom Shaped Cypress	27.41	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0141	LF	1" x 8-1/2" Custom Shaped Cypress	30.26	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0142	LF	1" x 9-1/2" Custom Shaped Cypress	33.03	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0143	LF	1" x 10-1/2" Custom Shaped Cypress	36.09	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0144	LF	1" x 11-1/2" Custom Shaped Cypress	38.88	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0145	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	11.95	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0146	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	15.50	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0147	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	19.03	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0148	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	22.57	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0149	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	26.13	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0150	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	29.95	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0151	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	33.47	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0152	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	37.05	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0153	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	43.80	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0154	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	47.73	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0155		Honduran Mahogany *(06 46 36)*		
06 46 36 00-0156	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	10.79	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0157	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	13.94	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0158	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	17.10	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0159	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	20.26	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0160	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	23.56	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0161	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	26.87	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0162	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	30.01	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0163	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	33.19	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0164	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	36.28	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0165	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	39.62	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0166	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	42.83	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0167	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	12.99	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0168	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	17.13	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0169	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	21.33	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0170	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	25.52	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0171	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	29.86	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0172	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	34.16	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0173	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	38.33	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0174	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	42.55	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0175	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	46.68	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0176	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	51.00	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0177	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	55.81	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0178	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	14.72	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0179	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	19.73	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0180	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	24.68	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0181	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	29.69	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0182	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	34.81	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0183	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	39.97	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0184	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	44.91	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0185	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	49.95	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0186	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	53.75	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0187	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	60.04	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0188	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	65.06	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0189	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	18.07	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0190	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	24.67	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0191	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	31.27	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0192	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	37.86	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0193	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	44.47	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0194	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	51.36	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0195	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	57.93	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0196	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	64.58	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0197	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	71.10	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0198	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	77.87	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0199	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	84.64	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0200	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	21.40	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0201	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	29.62	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0202	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	37.79	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0203	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	46.13	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0204	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	54.30	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0205	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	62.78	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0206	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	70.94	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0207	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	79.30	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0208	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	87.46	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0209	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	95.68	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0210	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	104.12	2.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.72*	
06 46 36 00-0211	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	26.18	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0212	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	35.06	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0213	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	45.02	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0214	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	55.11	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0215	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	65.09	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0216	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	75.31	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0217	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	85.29	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0218	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	95.38	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0219	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	105.35	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0220	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	115.32	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0221	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	125.56	2.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	
06 46 36 00-0222	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	60.89	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0223	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	74.91	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.40*	
06 46 36 00-0224	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	88.81	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0225	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	102.98	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0226	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	116.88	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0227	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	130.91	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0228	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	144.80	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0229	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	158.70	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0230	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	172.87	2.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.78*	

06 46 36 00-0231 Appl Soft Maple *(06 46 36)*

06 46 36 00-0232	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	8.38	1.49
06 46 36 00-0233	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	10.34	1.49
06 46 36 00-0234	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	12.30	1.49
06 46 36 00-0235	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	14.25	1.63
06 46 36 00-0236	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	16.35	1.63
06 46 36 00-0237	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	18.46	1.76
06 46 36 00-0238	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	20.40	1.76
06 46 36 00-0239	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	22.38	1.76
06 46 36 00-0240	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	24.26	1.90
06 46 36 00-0241	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	26.40	2.03
06 46 36 00-0242	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	28.42	2.03
06 46 36 00-0243	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	9.44	1.49
06 46 36 00-0244	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	11.83	1.49
06 46 36 00-0245	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	14.23	1.63
06 46 36 00-0246	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	16.57	1.63
06 46 36 00-0247	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	19.21	1.76
06 46 36 00-0248	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	21.76	1.76
06 46 36 00-0249	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	24.13	1.76
06 46 36 00-0250	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	26.55	1.90
06 46 36 00-0251	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	28.93	1.90
06 46 36 00-0252	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	31.50	2.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0253	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	33.96	2.03
06 46 36 00-0254	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	10.46	1.49
06 46 36 00-0255	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	13.34	1.49
06 46 36 00-0256	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	16.16	1.63
06 46 36 00-0257	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	19.04	1.63
06 46 36 00-0258	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	22.03	1.76
06 46 36 00-0259	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	25.06	1.76
06 46 36 00-0260	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	27.88	1.90
06 46 36 00-0261	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	30.79	1.90
06 46 36 00-0262	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	33.54	1.90
06 46 36 00-0263	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	36.61	2.03
06 46 36 00-0264	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	39.50	2.17
06 46 36 00-0265	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	12.39	1.49
06 46 36 00-0266	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	16.15	1.63
06 46 36 00-0267	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	19.91	1.63
06 46 36 00-0268	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	23.66	1.76
06 46 36 00-0269	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	27.44	1.76
06 46 36 00-0270	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	31.48	1.90
06 46 36 00-0271	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	35.21	1.90
06 46 36 00-0272	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	39.02	2.03
06 46 36 00-0273	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	42.70	2.03
06 46 36 00-0274	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	46.64	2.17
06 46 36 00-0275	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	50.45	2.17

06 46 36 00-0276 Clear Yellow Pine *(06 46 36)*

06 46 36 00-0277	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	6.96	1.49
06 46 36 00-0278	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	8.21	1.49
06 46 36 00-0279	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	9.46	1.49
06 46 36 00-0280	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	10.70	1.63
06 46 36 00-0281	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	12.09	1.63
06 46 36 00-0282	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	13.49	1.76
06 46 36 00-0283	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	14.72	1.76
06 46 36 00-0284	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	15.99	1.76
06 46 36 00-0285	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	7.91	1.49
06 46 36 00-0286	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	9.59	1.49
06 46 36 00-0287	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	11.23	1.63
06 46 36 00-0288	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	12.91	1.63
06 46 36 00-0289	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	14.68	1.76
06 46 36 00-0290	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	16.52	1.76
06 46 36 00-0291	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	18.67	1.76
06 46 36 00-0292	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	20.43	1.90
06 46 36 00-0293	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	9.11	1.49
06 46 36 00-0294	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	11.24	1.63
06 46 36 00-0295	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	13.35	1.63
06 46 36 00-0296	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	15.47	1.76
06 46 36 00-0297	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	17.61	1.76
06 46 36 00-0298	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	20.01	1.90
06 46 36 00-0299	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	22.11	1.90
06 46 36 00-0300	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	24.27	2.03
06 46 36 00-0301	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	27.96	2.03
06 46 36 00-0302	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	28.83	2.17

06 46 36 00-0303 Poplar *(06 46 36)*

06 46 36 00-0304	LF	3/4" x 1-1/2" Custom Shaped Poplar	7.29	1.49
06 46 36 00-0305	LF	3/4" x 2-1/2" Custom Shaped Poplar	8.70	1.49
06 46 36 00-0306	LF	3/4" x 3-1/2" Custom Shaped Poplar	10.11	1.49
06 46 36 00-0307	LF	3/4" x 4-1/2" Custom Shaped Poplar	11.52	1.63
06 46 36 00-0308	LF	3/4" x 5-1/2" Custom Shaped Poplar	13.08	1.63
06 46 36 00-0309	LF	3/4" x 6-1/2" Custom Shaped Poplar	14.63	1.76
06 46 36 00-0310	LF	3/4" x 7-1/2" Custom Shaped Poplar	16.03	1.76
06 46 36 00-0311	LF	3/4" x 8-1/2" Custom Shaped Poplar	17.46	1.76
06 46 36 00-0312	LF	3/4" x 9-1/2" Custom Shaped Poplar	18.80	1.90
06 46 36 00-0313	LF	3/4" x 10-1/2" Custom Shaped Poplar	20.40	2.03
06 46 36 00-0314	LF	3/4" x 11-1/2" Custom Shaped Poplar	21.97	2.03
06 46 36 00-0315	LF	1" x 1-1/2" Custom Shaped Poplar	8.35	1.49
06 46 36 00-0316	LF	1" x 2-1/2" Custom Shaped Poplar	10.19	1.49
06 46 36 00-0317	LF	1" x 3-1/2" Custom Shaped Poplar	12.05	1.63
06 46 36 00-0318	LF	1" x 4-1/2" Custom Shaped Poplar	13.89	1.63
06 46 36 00-0319	LF	1" x 5-1/2" Custom Shaped Poplar	15.94	1.76
06 46 36 00-0320	LF	1" x 6-1/2" Custom Shaped Poplar	17.94	1.76
06 46 36 00-0321	LF	1" x 7-1/2" Custom Shaped Poplar	19.76	1.76
06 46 36 00-0322	LF	1" x 8-1/2" Custom Shaped Poplar	21.64	1.90
06 46 36 00-0323	LF	1" x 9-1/2" Custom Shaped Poplar	23.47	1.90
06 46 36 00-0324	LF	1" x 10-1/2" Custom Shaped Poplar	25.50	2.03
06 46 36 00-0325	LF	1" x 11-1/2" Custom Shaped Poplar	27.41	2.03
06 46 36 00-0326	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	9.31	1.49
06 46 36 00-0327	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	11.59	1.49
06 46 36 00-0328	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	13.87	1.63
06 46 36 00-0329	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	16.15	1.63
06 46 36 00-0330	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	18.59	1.76
06 46 36 00-0331	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	21.02	1.76
06 46 36 00-0332	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	23.29	1.90
06 46 36 00-0333	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	25.60	1.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0334	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	27.81	1.90
06 46 36 00-0335	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	30.28	2.03
06 46 36 00-0336	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	32.62	2.17
06 46 36 00-0337	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	11.51	1.49
06 46 36 00-0338	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	14.84	1.63
06 46 36 00-0339	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	18.16	1.63
06 46 36 00-0340	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	21.48	1.76
06 46 36 00-0341	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	24.81	1.76
06 46 36 00-0342	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	28.42	1.90
06 46 36 00-0343	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	31.72	1.90
06 46 36 00-0344	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	35.09	2.03
06 46 36 00-0345	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	38.33	2.03
06 46 36 00-0346	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	41.83	2.17
06 46 36 00-0347	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	45.21	2.17
06 46 36 00-0348	LF	2" x 1-1/2" Custom Shaped Poplar	14.85	1.63
06 46 36 00-0349	LF	2" x 2-1/2" Custom Shaped Poplar	19.79	1.63
06 46 36 00-0350	LF	2" x 3-1/2" Custom Shaped Poplar	24.68	1.63
06 46 36 00-0351	LF	2" x 4-1/2" Custom Shaped Poplar	29.75	1.76
06 46 36 00-0352	LF	2" x 5-1/2" Custom Shaped Poplar	34.64	1.76
06 46 36 00-0353	LF	2" x 6-1/2" Custom Shaped Poplar	39.85	1.90
06 46 36 00-0354	LF	2" x 7-1/2" Custom Shaped Poplar	44.73	1.90
06 46 36 00-0355	LF	2" x 8-1/2" Custom Shaped Poplar	49.81	2.03
06 46 36 00-0356	LF	2" x 9-1/2" Custom Shaped Poplar	54.69	2.03
06 46 36 00-0357	LF	2" x 10-1/2" Custom Shaped Poplar	59.64	2.17
06 46 36 00-0358	LF	2" x 11-1/2" Custom Shaped Poplar	64.80	2.30
06 46 36 00-0359	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	18.21	1.63
06 46 36 00-0360	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	24.74	1.63
06 46 36 00-0361	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	31.26	1.76
06 46 36 00-0362	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	37.91	1.76
06 46 36 00-0363	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	44.45	1.76
06 46 36 00-0364	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	51.23	1.90
06 46 36 00-0365	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	57.77	2.03
06 46 36 00-0366	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	64.41	2.03
06 46 36 00-0367	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	70.94	2.17
06 46 36 00-0368	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	77.47	2.17
06 46 36 00-0369	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	84.27	2.30
06 46 36 00-0370	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	42.54	1.76
06 46 36 00-0371	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	51.97	1.76
06 46 36 00-0372	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	61.29	1.90
06 46 36 00-0373	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	70.98	2.03
06 46 36 00-0374	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	80.18	2.03
06 46 36 00-0375	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	89.62	2.17
06 46 36 00-0376	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	98.93	2.17
06 46 36 00-0377	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	108.24	2.17
06 46 36 00-0378	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	117.83	2.30

06 46 36 00-0379 Teak *(06 46 36)*

06 46 36 00-0380	LF	3/4" x 1-1/2" Custom Shaped Teak	23.46	1.49
06 46 36 00-0381	LF	3/4" x 2-1/2" Custom Shaped Teak	32.95	1.49
06 46 36 00-0382	LF	3/4" x 3-1/2" Custom Shaped Teak	42.44	1.49
06 46 36 00-0383	LF	3/4" x 4-1/2" Custom Shaped Teak	51.93	1.63
06 46 36 00-0384	LF	3/4" x 5-1/2" Custom Shaped Teak	61.57	1.63
06 46 36 00-0385	LF	3/4" x 6-1/2" Custom Shaped Teak	71.21	1.76
06 46 36 00-0386	LF	3/4" x 7-1/2" Custom Shaped Teak	80.69	1.76
06 46 36 00-0387	LF	3/4" x 8-1/2" Custom Shaped Teak	90.21	1.76
06 46 36 00-0388	LF	3/4" x 9-1/2" Custom Shaped Teak	99.62	1.90
06 46 36 00-0389	LF	3/4" x 10-1/2" Custom Shaped Teak	109.30	2.03
06 46 36 00-0390	LF	3/4" x 11-1/2" Custom Shaped Teak	118.85	2.03
06 46 36 00-0391	LF	1-1/2" x 1-1/2" Custom Shaped Teak	53.46	1.49
06 46 36 00-0392	LF	1-1/2" x 2-1/2" Custom Shaped Teak	61.37	1.63
06 46 36 00-0393	LF	1-1/2" x 3-1/2" Custom Shaped Teak	80.20	1.63
06 46 36 00-0394	LF	1-1/2" x 4-1/2" Custom Shaped Teak	99.02	1.76
06 46 36 00-0395	LF	1-1/2" x 5-1/2" Custom Shaped Teak	117.87	1.76
06 46 36 00-0396	LF	1-1/2" x 6-1/2" Custom Shaped Teak	136.44	1.90
06 46 36 00-0397	LF	1-1/2" x 7-1/2" Custom Shaped Teak	155.79	1.90
06 46 36 00-0398	LF	1-1/2" x 8-1/2" Custom Shaped Teak	174.67	2.03
06 46 36 00-0399	LF	1-1/2" x 9-1/2" Custom Shaped Teak	193.43	2.03
06 46 36 00-0400	LF	1-1/2" x 10-1/2" Custom Shaped Teak	212.44	2.17
06 46 36 00-0401	LF	1-1/2" x 11-1/2" Custom Shaped Teak	231.32	2.17

06 46 36 00-0402 Ash *(06 46 36)*

06 46 36 00-0403	LF	3/4" x 1-1/2" Custom Shaped Ash	9.37	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0404	LF	3/4" x 2-1/2" Custom Shaped Ash	11.81	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0405	LF	3/4" x 3-1/2" Custom Shaped Ash	14.26	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0406	LF	3/4" x 4-1/2" Custom Shaped Ash	16.71	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0407	LF	3/4" x 5-1/2" Custom Shaped Ash	19.30	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0408	LF	3/4" x 6-1/2" Custom Shaped Ash	21.90	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0409	LF	3/4" x 7-1/2" Custom Shaped Ash	24.33	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0410	LF	3/4" x 8-1/2" Custom Shaped Ash	26.80	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0411	LF	3/4" x 9-1/2" Custom Shaped Ash	29.18	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0412	LF	3/4" x 10-1/2" Custom Shaped Ash	31.81	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0413	LF	3/4" x 11-1/2" Custom Shaped Ash	34.31	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0414	LF	1" x 1-1/2" Custom Shaped Ash	11.08	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0415	LF	1" x 2-1/2" Custom Shaped Ash	14.29	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0416	LF	1" x 3-1/2" Custom Shaped Ash	17.51	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0417	LF	1" x 4-1/2" Custom Shaped Ash	20.72	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0418	LF	1" x 5-1/2" Custom Shaped Ash	24.13	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0419	LF	1" x 6-1/2" Custom Shaped Ash	27.50	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0420	LF	1" x 7-1/2" Custom Shaped Ash	30.68	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0421	LF	1" x 8-1/2" Custom Shaped Ash	33.92	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0422	LF	1" x 9-1/2" Custom Shaped Ash	37.13	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0423	LF	1" x 10-1/2" Custom Shaped Ash	40.51	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0424	LF	1" x 11-1/2" Custom Shaped Ash	43.79	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0425	LF	1-1/4" x 1-1/2" Custom Shaped Ash	13.24	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0426	LF	1-1/4" x 2-1/2" Custom Shaped Ash	17.49	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0427	LF	1-1/4" x 3-1/2" Custom Shaped Ash	21.73	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0428	LF	1-1/4" x 4-1/2" Custom Shaped Ash	25.98	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0429	LF	1-1/4" x 5-1/2" Custom Shaped Ash	30.38	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0430	LF	1-1/4" x 6-1/2" Custom Shaped Ash	34.78	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0431	LF	1-1/4" x 7-1/2" Custom Shaped Ash	39.02	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0432	LF	1-1/4" x 8-1/2" Custom Shaped Ash	43.29	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0433	LF	1-1/4" x 9-1/2" Custom Shaped Ash	47.47	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0434	LF	1-1/4" x 10-1/2" Custom Shaped Ash	51.90	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0435	LF	1-1/4" x 11-1/2" Custom Shaped Ash	56.21	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0436	LF	1-1/2" x 1-1/2" Custom Shaped Ash	16.32	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0437	LF	1-1/2" x 2-1/2" Custom Shaped Ash	22.05	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0438	LF	1-1/2" x 3-1/2" Custom Shaped Ash	27.77	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0439	LF	1-1/2" x 4-1/2" Custom Shaped Ash	33.49	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0440	LF	1-1/2" x 5-1/2" Custom Shaped Ash	39.23	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0441	LF	1-1/2" x 6-1/2" Custom Shaped Ash	45.24	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0442	LF	1-1/2" x 7-1/2" Custom Shaped Ash	51.05	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0443	LF	1-1/2" x 8-1/2" Custom Shaped Ash	56.71	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0444	LF	1-1/2" x 9-1/2" Custom Shaped Ash	62.36	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0445	LF	1-1/2" x 10-1/2" Custom Shaped Ash	68.81	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0446	LF	1-1/2" x 11-1/2" Custom Shaped Ash	74.04	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	

06 46 36 00-0447 Birch *(06 46 36)*

06 46 36 00-0448	LF	3/4" x 1-1/2" Custom Shaped Birch	8.38	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0449	LF	3/4" x 2-1/2" Custom Shaped Birch	10.34	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0450	LF	3/4" x 3-1/2" Custom Shaped Birch	12.30	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0451	LF	3/4" x 4-1/2" Custom Shaped Birch	14.25	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0452	LF	3/4" x 5-1/2" Custom Shaped Birch	16.35	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0453	LF	3/4" x 6-1/2" Custom Shaped Birch	18.46	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0454	LF	3/4" x 7-1/2" Custom Shaped Birch	20.40	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0455	LF	3/4" x 8-1/2" Custom Shaped Birch	22.38	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0456	LF	3/4" x 9-1/2" Custom Shaped Birch	24.26	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0457	LF	3/4" x 10-1/2" Custom Shaped Birch	26.40	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0458	LF	3/4" x 11-1/2" Custom Shaped Birch	28.42	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0459	LF	1" x 1-1/2" Custom Shaped Birch	9.72	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0460	LF	1" x 2-1/2" Custom Shaped Birch	12.21	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0461	LF	1" x 3-1/2" Custom Shaped Birch	14.78	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0462	LF	1" x 4-1/2" Custom Shaped Birch	17.33	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0463	LF	1" x 5-1/2" Custom Shaped Birch	20.03	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0464	LF	1" x 6-1/2" Custom Shaped Birch	22.69	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0465	LF	1" x 7-1/2" Custom Shaped Birch	25.22	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0466	LF	1" x 8-1/2" Custom Shaped Birch	27.81	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0467	LF	1" x 9-1/2" Custom Shaped Birch	30.30	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0468	LF	1" x 10-1/2" Custom Shaped Birch	32.98	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0469	LF	1" x 11-1/2" Custom Shaped Birch	35.60	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0470	LF	1-1/4" x 1-1/2" Custom Shaped Birch	11.28	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0471	LF	1-1/4" x 2-1/2" Custom Shaped Birch	14.54	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0472	LF	1-1/4" x 3-1/2" Custom Shaped Birch	17.80	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0473	LF	1-1/4" x 4-1/2" Custom Shaped Birch	21.06	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0474	LF	1-1/4" x 5-1/2" Custom Shaped Birch	24.49	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0475	LF	1-1/4" x 6-1/2" Custom Shaped Birch	27.90	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0476	LF	1-1/4" x 7-1/2" Custom Shaped Birch	31.15	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0477	LF	1-1/4" x 8-1/2" Custom Shaped Birch	34.45	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0478	LF	1-1/4" x 9-1/2" Custom Shaped Birch	37.64	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0479	LF	1-1/4" x 10-1/2" Custom Shaped Birch	41.09	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0480	LF	1-1/4" x 11-1/2" Custom Shaped Birch	44.41	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0481	LF	1-1/2" x 1-1/2" Custom Shaped Birch	13.70	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0482	LF	1-1/2" x 2-1/2" Custom Shaped Birch	18.12	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0483	LF	1-1/2" x 3-1/2" Custom Shaped Birch	22.53	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0484	LF	1-1/2" x 4-1/2" Custom Shaped Birch	26.94	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0485	LF	1-1/2" x 5-1/2" Custom Shaped Birch	31.37	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0486	LF	1-1/2" x 6-1/2" Custom Shaped Birch	36.07	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0487	LF	1-1/2" x 7-1/2" Custom Shaped Birch	40.46	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0488	LF	1-1/2" x 8-1/2" Custom Shaped Birch	44.92	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0489	LF	1-1/2" x 9-1/2" Custom Shaped Birch	49.26	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0490	LF	1-1/2" x 10-1/2" Custom Shaped Birch	54.39	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0491	LF	1-1/2" x 11-1/2" Custom Shaped Birch	58.32	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	

06 46 36 00-0492 Fir *(06 46 36)*

06 46 36 00-0493	LF	3/4" x 1-1/2" Custom Shaped Fir	8.71	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0494	LF	3/4" x 2-1/2" Custom Shaped Fir	10.83	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0495	LF	3/4" x 3-1/2" Custom Shaped Fir	12.95	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0496	LF	3/4" x 4-1/2" Custom Shaped Fir	15.07	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0497	LF	3/4" x 5-1/2" Custom Shaped Fir	17.34	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0498	LF	3/4" x 6-1/2" Custom Shaped Fir	19.60	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0499	LF	3/4" x 7-1/2" Custom Shaped Fir	21.71	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0500	LF	3/4" x 8-1/2" Custom Shaped Fir	23.85	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0501	LF	3/4" x 9-1/2" Custom Shaped Fir	25.90	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0502	LF	3/4" x 10-1/2" Custom Shaped Fir	28.21	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0503	LF	1" x 1-1/2" Custom Shaped Fir	10.26	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0504	LF	1" x 2-1/2" Custom Shaped Fir	13.03	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0505	LF	1" x 3-1/2" Custom Shaped Fir	15.87	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0506	LF	1" x 4-1/2" Custom Shaped Fir	18.69	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0507	LF	1" x 5-1/2" Custom Shaped Fir	21.67	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0508	LF	1" x 6-1/2" Custom Shaped Fir	24.60	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0509	LF	1" x 7-1/2" Custom Shaped Fir	27.41	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0510	LF	1" x 8-1/2" Custom Shaped Fir	30.26	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0511	LF	1" x 9-1/2" Custom Shaped Fir	33.03	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0512	LF	1" x 10-1/2" Custom Shaped Fir	36.09	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0513	LF	1" x 11-1/2" Custom Shaped Fir	38.88	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0514	LF	1-1/4" x 1-1/2" Custom Shaped Fir	11.44	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0515	LF	1-1/4" x 2-1/2" Custom Shaped Fir	14.81	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0516	LF	1-1/4" x 3-1/2" Custom Shaped Fir	18.13	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0517	LF	1-1/4" x 4-1/2" Custom Shaped Fir	21.50	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0518	LF	1-1/4" x 5-1/2" Custom Shaped Fir	24.98	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0519	LF	1-1/4" x 6-1/2" Custom Shaped Fir	28.50	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0520	LF	1-1/4" x 7-1/2" Custom Shaped Fir	31.81	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0521	LF	1-1/4" x 8-1/2" Custom Shaped Fir	35.21	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0522	LF	1-1/4" x 9-1/2" Custom Shaped Fir	38.46	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0523	LF	1-1/4" x 10-1/2" Custom Shaped Fir	42.02	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0524	LF	1-1/4" x 11-1/2" Custom Shaped Fir	45.40	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0525	LF	1-1/2" x 1-1/2" Custom Shaped Fir	13.04	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0526	LF	1-1/2" x 2-1/2" Custom Shaped Fir	17.14	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0527	LF	1-1/2" x 3-1/2" Custom Shaped Fir	21.22	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0528	LF	1-1/2" x 4-1/2" Custom Shaped Fir	25.30	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0529	LF	1-1/2" x 5-1/2" Custom Shaped Fir	29.40	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0530	LF	1-1/2" x 6-1/2" Custom Shaped Fir	33.77	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0531	LF	1-1/2" x 7-1/2" Custom Shaped Fir	37.84	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0532	LF	1-1/2" x 8-1/2" Custom Shaped Fir	41.97	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0533	LF	1-1/2" x 9-1/2" Custom Shaped Fir	45.98	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0534	LF	1-1/2" x 10-1/2" Custom Shaped Fir	50.24	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0535	LF	1-1/2" x 11-1/2" Custom Shaped Fir	54.38	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0536	LF	2-1/2" x 1-1/2" Custom Shaped Fir	21.16	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0537	LF	2-1/2" x 2-1/2" Custom Shaped Fir	29.16	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0538	LF	2-1/2" x 3-1/2" Custom Shaped Fir	37.16	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0539	LF	2-1/2" x 4-1/2" Custom Shaped Fir	45.28	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0540	LF	2-1/2" x 5-1/2" Custom Shaped Fir	53.29	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0541	LF	2-1/2" x 6-1/2" Custom Shaped Fir	61.55	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0542	LF	2-1/2" x 7-1/2" Custom Shaped Fir	69.56	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0543	LF	2-1/2" x 8-1/2" Custom Shaped Fir	77.79	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0544	LF	2-1/2" x 9-1/2" Custom Shaped Fir	85.69	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0545	LF	2-1/2" x 10-1/2" Custom Shaped Fir	93.69	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0546	LF	3-1/2" x 3-1/2" Custom Shaped Fir	46.14	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0547	LF	3-1/2" x 4-1/2" Custom Shaped Fir	56.34	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.40*	
06 46 36 00-0548	LF	3-1/2" x 5-1/2" Custom Shaped Fir	66.53	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0549	LF	3-1/2" x 6-1/2" Custom Shaped Fir	76.99	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0550	LF	3-1/2" x 7-1/2" Custom Shaped Fir	87.17	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0551	LF	3-1/2" x 8-1/2" Custom Shaped Fir	97.49	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.62*	
06 46 36 00-0552	LF	3-1/2" x 9-1/2" Custom Shaped Fir	107.66	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.65*	
06 46 36 00-0553	LF	3-1/2" x 10-1/2" Custom Shaped Fir	117.85	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	

06 46 36 00-0554 Maple *(06 46 36)*

06 46 36 00-0555	LF	3/4" x 1-1/2" Custom Shaped Maple	8.28	1.49
06 46 36 00-0556	LF	3/4" x 2-1/2" Custom Shaped Maple	10.17	1.49
06 46 36 00-0557	LF	3/4" x 3-1/2" Custom Shaped Maple	12.08	1.49
06 46 36 00-0558	LF	3/4" x 4-1/2" Custom Shaped Maple	13.98	1.63
06 46 36 00-0559	LF	3/4" x 5-1/2" Custom Shaped Maple	16.03	1.63
06 46 36 00-0560	LF	3/4" x 6-1/2" Custom Shaped Maple	18.07	1.76
06 46 36 00-0561	LF	3/4" x 7-1/2" Custom Shaped Maple	19.96	1.76
06 46 36 00-0562	LF	3/4" x 8-1/2" Custom Shaped Maple	21.89	1.76
06 46 36 00-0563	LF	3/4" x 9-1/2" Custom Shaped Maple	23.72	1.90
06 46 36 00-0564	LF	3/4" x 10-1/2" Custom Shaped Maple	25.80	2.03
06 46 36 00-0565	LF	3/4" x 11-1/2" Custom Shaped Maple	27.76	2.03
06 46 36 00-0566	LF	1" x 1-1/2" Custom Shaped Maple	9.72	1.49
06 46 36 00-0567	LF	1" x 2-1/2" Custom Shaped Maple	12.21	1.49
06 46 36 00-0568	LF	1" x 3-1/2" Custom Shaped Maple	14.78	1.63
06 46 36 00-0569	LF	1" x 4-1/2" Custom Shaped Maple	17.33	1.63
06 46 36 00-0570	LF	1" x 5-1/2" Custom Shaped Maple	20.03	1.76
06 46 36 00-0571	LF	1" x 6-1/2" Custom Shaped Maple	22.69	1.76
06 46 36 00-0572	LF	1" x 7-1/2" Custom Shaped Maple	25.22	1.76
06 46 36 00-0573	LF	1" x 8-1/2" Custom Shaped Maple	27.81	1.90
06 46 36 00-0574	LF	1" x 9-1/2" Custom Shaped Maple	30.30	1.90
06 46 36 00-0575	LF	1" x 10-1/2" Custom Shaped Maple	31.89	2.03
06 46 36 00-0576	LF	1" x 11-1/2" Custom Shaped Maple	35.60	2.03
06 46 36 00-0577	LF	1-1/4" x 1-1/2" Custom Shaped Maple	10.95	1.49
06 46 36 00-0578	LF	1-1/4" x 2-1/2" Custom Shaped Maple	14.05	1.49
06 46 36 00-0579	LF	1-1/4" x 3-1/2" Custom Shaped Maple	17.15	1.63
06 46 36 00-0580	LF	1-1/4" x 4-1/2" Custom Shaped Maple	20.24	1.63
06 46 36 00-0581	LF	1-1/4" x 5-1/2" Custom Shaped Maple	23.50	1.76
06 46 36 00-0582	LF	1-1/4" x 6-1/2" Custom Shaped Maple	26.75	1.76
06 46 36 00-0583	LF	1-1/4" x 7-1/2" Custom Shaped Maple	29.84	1.90
06 46 36 00-0584	LF	1-1/4" x 8-1/2" Custom Shaped Maple	32.97	1.90
06 46 36 00-0585	LF	1-1/4" x 9-1/2" Custom Shaped Maple	36.00	1.90
06 46 36 00-0586	LF	1-1/4" x 10-1/2" Custom Shaped Maple	39.29	2.03
06 46 36 00-0587	LF	1-1/4" x 11-1/2" Custom Shaped Maple	42.45	2.17
06 46 36 00-0588	LF	1-1/2" x 1-1/2" Custom Shaped Maple	13.48	1.49
06 46 36 00-0589	LF	1-1/2" x 2-1/2" Custom Shaped Maple	17.79	1.63
06 46 36 00-0590	LF	1-1/2" x 3-1/2" Custom Shaped Maple	22.09	1.63
06 46 36 00-0591	LF	1-1/2" x 4-1/2" Custom Shaped Maple	26.39	1.76
06 46 36 00-0592	LF	1-1/2" x 5-1/2" Custom Shaped Maple	30.71	1.76
06 46 36 00-0593	LF	1-1/2" x 6-1/2" Custom Shaped Maple	35.30	1.90
06 46 36 00-0594	LF	1-1/2" x 7-1/2" Custom Shaped Maple	39.58	1.90
06 46 36 00-0595	LF	1-1/2" x 8-1/2" Custom Shaped Maple	44.48	2.03
06 46 36 00-0596	LF	1-1/2" x 9-1/2" Custom Shaped Maple	48.16	2.03
06 46 36 00-0597	LF	1-1/2" x 10-1/2" Custom Shaped Maple	52.75	2.17
06 46 36 00-0598	LF	1-1/2" x 11-1/2" Custom Shaped Maple	57.00	2.17
06 46 36 00-0599	LF	2" x 1-1/2" Custom Shaped Maple	17.58	1.63
06 46 36 00-0600	LF	2" x 2-1/2" Custom Shaped Maple	23.89	1.63
06 46 36 00-0601	LF	2" x 3-1/2" Custom Shaped Maple	30.14	1.63
06 46 36 00-0602	LF	2" x 4-1/2" Custom Shaped Maple	36.58	1.76
06 46 36 00-0603	LF	2" x 5-1/2" Custom Shaped Maple	42.83	1.76
06 46 36 00-0604	LF	2" x 6-1/2" Custom Shaped Maple	49.40	1.90
06 46 36 00-0605	LF	2" x 7-1/2" Custom Shaped Maple	55.65	1.90
06 46 36 00-0606	LF	2" x 8-1/2" Custom Shaped Maple	62.10	2.03
06 46 36 00-0607	LF	2" x 9-1/2" Custom Shaped Maple	68.35	2.03
06 46 36 00-0608	LF	2" x 10-1/2" Custom Shaped Maple	74.66	2.17
06 46 36 00-0609	LF	2" x 11-1/2" Custom Shaped Maple	81.73	2.30
06 46 36 00-0610	LF	3-1/2" x 3-1/2" Custom Shaped Maple	65.26	1.76
06 46 36 00-0611	LF	3-1/2" x 4-1/2" Custom Shaped Maple	80.37	1.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0612	LF	3-1/2" x 5-1/2" Custom Shaped Maple	95.36	1.90
06 46 36 00-0613	LF	3-1/2" x 6-1/2" Custom Shaped Maple	110.63	2.03
06 46 36 00-0614	LF	3-1/2" x 7-1/2" Custom Shaped Maple	125.61	2.03
06 46 36 00-0615	LF	3-1/2" x 8-1/2" Custom Shaped Maple	140.74	2.17
06 46 36 00-0616	LF	3-1/2" x 9-1/2" Custom Shaped Maple	155.72	2.17
06 46 36 00-0617	LF	3-1/2" x 10-1/2" Custom Shaped Maple	170.71	2.17
06 46 36 00-0618	LF	3-1/2" x 11-1/2" Custom Shaped Maple	185.98	2.30
06 46 36 00-0619		**Red Oak** *(06 46 36)*		
06 46 36 00-0620	LF	3/4" x 1-1/2" Custom Shaped Red Oak	8.93	1.49
06 46 36 00-0621	LF	3/4" x 2-1/2" Custom Shaped Red Oak	11.16	1.49
06 46 36 00-0622	LF	3/4" x 3-1/2" Custom Shaped Red Oak	13.39	1.49
06 46 36 00-0623	LF	3/4" x 4-1/2" Custom Shaped Red Oak	15.62	1.63
06 46 36 00-0624	LF	3/4" x 5-1/2" Custom Shaped Red Oak	17.99	1.63
06 46 36 00-0625	LF	3/4" x 6-1/2" Custom Shaped Red Oak	20.37	1.76
06 46 36 00-0626	LF	3/4" x 7-1/2" Custom Shaped Red Oak	22.58	1.76
06 46 36 00-0627	LF	3/4" x 8-1/2" Custom Shaped Red Oak	24.84	1.76
06 46 36 00-0628	LF	3/4" x 9-1/2" Custom Shaped Red Oak	26.99	1.90
06 46 36 00-0629	LF	3/4" x 10-1/2" Custom Shaped Red Oak	29.41	2.03
06 46 36 00-0630	LF	3/4" x 11-1/2" Custom Shaped Red Oak	31.69	2.03
06 46 36 00-0631	LF	1" x 1-1/2" Custom Shaped Red Oak	10.64	1.49
06 46 36 00-0632	LF	1" x 2-1/2" Custom Shaped Red Oak	13.69	1.49
06 46 36 00-0633	LF	1" x 3-1/2" Custom Shaped Red Oak	16.69	1.63
06 46 36 00-0634	LF	1" x 4-1/2" Custom Shaped Red Oak	20.82	1.63
06 46 36 00-0635	LF	1" x 5-1/2" Custom Shaped Red Oak	22.87	1.76
06 46 36 00-0636	LF	1" x 6-1/2" Custom Shaped Red Oak	26.08	1.76
06 46 36 00-0637	LF	1" x 7-1/2" Custom Shaped Red Oak	29.05	1.76
06 46 36 00-0638	LF	1" x 8-1/2" Custom Shaped Red Oak	32.07	1.90
06 46 36 00-0639	LF	1" x 9-1/2" Custom Shaped Red Oak	35.05	1.90
06 46 36 00-0640	LF	1" x 10-1/2" Custom Shaped Red Oak	38.27	2.03
06 46 36 00-0641	LF	1" x 11-1/2" Custom Shaped Red Oak	41.33	2.03
06 46 36 00-0642	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	13.08	1.49
06 46 36 00-0643	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	17.27	1.49
06 46 36 00-0644	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	21.41	1.63
06 46 36 00-0645	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	25.60	1.63
06 46 36 00-0646	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	29.89	1.76
06 46 36 00-0647	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	34.23	1.76
06 46 36 00-0648	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	38.36	1.90
06 46 36 00-0649	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	42.58	1.90
06 46 36 00-0650	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	46.65	1.90
06 46 36 00-0651	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	51.03	2.03
06 46 36 00-0652	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	55.23	2.17
06 46 36 00-0653	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	18.07	1.49
06 46 36 00-0654	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	24.67	1.63
06 46 36 00-0655	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	31.27	1.63
06 46 36 00-0656	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	37.86	1.63
06 46 36 00-0657	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	44.47	1.76
06 46 36 00-0658	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	51.47	1.90
06 46 36 00-0659	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	57.93	1.90
06 46 36 00-0660	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	65.67	2.03
06 46 36 00-0661	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	71.10	2.03
06 46 36 00-0662	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	77.87	2.03
06 46 36 00-0663	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	84.53	2.17
06 46 36 00-0664	LF	2" x 1-1/2" Custom Shaped Red Oak	27.41	1.63
06 46 36 00-0665	LF	2" x 2-1/2" Custom Shaped Red Oak	38.63	1.63
06 46 36 00-0666	LF	2" x 3-1/2" Custom Shaped Red Oak	49.80	1.63
06 46 36 00-0667	LF	2" x 4-1/2" Custom Shaped Red Oak	61.15	1.76
06 46 36 00-0668	LF	2" x 5-1/2" Custom Shaped Red Oak	72.32	1.76
06 46 36 00-0669	LF	2" x 6-1/2" Custom Shaped Red Oak	83.81	1.90
06 46 36 00-0670	LF	2" x 7-1/2" Custom Shaped Red Oak	94.97	1.90
06 46 36 00-0671	LF	2" x 8-1/2" Custom Shaped Red Oak	106.34	2.03
06 46 36 00-0672	LF	2" x 9-1/2" Custom Shaped Red Oak	117.50	2.03
06 46 36 00-0673	LF	2" x 10-1/2" Custom Shaped Red Oak	128.72	2.17
06 46 36 00-0674	LF	2" x 11-1/2" Custom Shaped Red Oak	140.16	2.30
06 46 36 00-0675		**White Oak** *(06 46 36)*		
06 46 36 00-0676	LF	3/4" x 1-1/2" Custom Shaped White Oak	9.04	1.49
06 46 36 00-0677	LF	3/4" x 2-1/2" Custom Shaped White Oak	11.32	1.49
06 46 36 00-0678	LF	3/4" x 3-1/2" Custom Shaped White Oak	13.61	1.49
06 46 36 00-0679	LF	3/4" x 4-1/2" Custom Shaped White Oak	15.89	1.63
06 46 36 00-0680	LF	3/4" x 5-1/2" Custom Shaped White Oak	18.32	1.63
06 46 36 00-0681	LF	3/4" x 6-1/2" Custom Shaped White Oak	20.75	1.76
06 46 36 00-0682	LF	3/4" x 7-1/2" Custom Shaped White Oak	23.02	1.76
06 46 36 00-0683	LF	3/4" x 8-1/2" Custom Shaped White Oak	25.33	1.76
06 46 36 00-0684	LF	3/4" x 9-1/2" Custom Shaped White Oak	27.54	1.90
06 46 36 00-0685	LF	3/4" x 10-1/2" Custom Shaped White Oak	30.01	2.03
06 46 36 00-0686	LF	3/4" x 11-1/2" Custom Shaped White Oak	32.35	2.03
06 46 36 00-0687	LF	1" x 1-1/2" Custom Shaped White Oak	10.64	1.49
06 46 36 00-0688	LF	1" x 2-1/2" Custom Shaped White Oak	13.69	1.49
06 46 36 00-0689	LF	1" x 3-1/2" Custom Shaped White Oak	16.69	1.63
06 46 36 00-0690	LF	1" x 4-1/2" Custom Shaped White Oak	20.82	1.63
06 46 36 00-0691	LF	1" x 5-1/2" Custom Shaped White Oak	22.87	1.76
06 46 36 00-0692	LF	1" x 6-1/2" Custom Shaped White Oak	26.08	1.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0693	LF	1" x 7-1/2" Custom Shaped White Oak	29.05	1.76
06 46 36 00-0694	LF	1" x 8-1/2" Custom Shaped White Oak	32.07	1.90
06 46 36 00-0695	LF	1" x 9-1/2" Custom Shaped White Oak	35.05	1.90
06 46 36 00-0696	LF	1" x 10-1/2" Custom Shaped White Oak	38.27	2.03
06 46 36 00-0697	LF	1" x 11-1/2" Custom Shaped White Oak	41.33	2.03
06 46 36 00-0698	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	13.24	1.49
06 46 36 00-0699	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	17.49	1.49
06 46 36 00-0700	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	21.73	1.63
06 46 36 00-0701	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	25.98	1.63
06 46 36 00-0702	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	30.38	1.76
06 46 36 00-0703	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	34.78	1.76
06 46 36 00-0704	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	39.02	1.90
06 46 36 00-0705	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	43.29	1.90
06 46 36 00-0706	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	47.47	1.90
06 46 36 00-0707	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	51.90	2.03
06 46 36 00-0708	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	56.21	2.17
06 46 36 00-0709	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	21.34	1.49
06 46 36 00-0710	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	29.59	1.63
06 46 36 00-0711	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	37.82	1.63
06 46 36 00-0712	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	46.05	1.76
06 46 36 00-0713	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	54.30	1.76
06 46 36 00-0714	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	62.83	1.90
06 46 36 00-0715	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	71.04	1.90
06 46 36 00-0716	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	79.32	2.03
06 46 36 00-0717	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	86.39	2.03
06 46 36 00-0718	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	95.90	2.17
06 46 36 00-0719	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	104.19	2.17
06 46 36 00-0720		**White Pine** *(06 46 36)*		
06 46 36 00-0721	LF	3/4" x 1-1/2" Custom Shaped White Pine	10.02	1.49
06 46 36 00-0722	LF	3/4" x 2-1/2" Custom Shaped White Pine	12.79	1.49
06 46 36 00-0723	LF	3/4" x 3-1/2" Custom Shaped White Pine	15.58	1.49
06 46 36 00-0724	LF	3/4" x 4-1/2" Custom Shaped White Pine	18.35	1.63
06 46 36 00-0725	LF	3/4" x 5-1/2" Custom Shaped White Pine	21.27	1.63
06 46 36 00-0726	LF	3/4" x 6-1/2" Custom Shaped White Pine	24.19	1.76
06 46 36 00-0727	LF	3/4" x 7-1/2" Custom Shaped White Pine	26.95	1.76
06 46 36 00-0728	LF	3/4" x 8-1/2" Custom Shaped White Pine	29.75	1.76
06 46 36 00-0729	LF	3/4" x 9-1/2" Custom Shaped White Pine	34.09	1.90
06 46 36 00-0730	LF	3/4" x 10-1/2" Custom Shaped White Pine	37.22	2.03
06 46 36 00-0731	LF	1" x 1-1/2" Custom Shaped White Pine	11.19	1.49
06 46 36 00-0732	LF	1" x 2-1/2" Custom Shaped White Pine	14.51	1.49
06 46 36 00-0733	LF	1" x 3-1/2" Custom Shaped White Pine	17.78	1.63
06 46 36 00-0734	LF	1" x 4-1/2" Custom Shaped White Pine	21.10	1.63
06 46 36 00-0735	LF	1" x 5-1/2" Custom Shaped White Pine	24.51	1.76
06 46 36 00-0736	LF	1" x 6-1/2" Custom Shaped White Pine	27.99	1.76
06 46 36 00-0737	LF	1" x 7-1/2" Custom Shaped White Pine	31.23	1.76
06 46 36 00-0738	LF	1" x 8-1/2" Custom Shaped White Pine	34.58	1.90
06 46 36 00-0739	LF	1" x 9-1/2" Custom Shaped White Pine	37.78	1.90
06 46 36 00-0740	LF	1" x 10-1/2" Custom Shaped White Pine	41.28	2.03
06 46 36 00-0741	LF	1" x 11-1/2" Custom Shaped White Pine	44.61	2.03
06 46 36 00-0742	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	12.59	1.49
06 46 36 00-0743	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	16.50	1.49
06 46 36 00-0744	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	20.53	1.63
06 46 36 00-0745	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	24.34	1.63
06 46 36 00-0746	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	28.42	1.76
06 46 36 00-0747	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	32.49	1.76
06 46 36 00-0748	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	36.40	1.90
06 46 36 00-0749	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	40.34	1.90
06 46 36 00-0750	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	44.19	1.90
06 46 36 00-0751	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	48.30	2.03
06 46 36 00-0752	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	52.28	2.17
06 46 36 00-0753	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	15.67	1.49
06 46 36 00-0754	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	21.07	1.63
06 46 36 00-0755	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	26.46	1.63
06 46 36 00-0756	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	31.85	1.76
06 46 36 00-0757	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	37.27	1.76
06 46 36 00-0758	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	42.95	1.90
06 46 36 00-0759	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	48.32	1.90
06 46 36 00-0760	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	53.76	2.03
06 46 36 00-0761	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	60.18	2.03
06 46 36 00-0762	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	64.66	2.17
06 46 36 00-0763	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	70.11	2.17
06 46 36 00-0764	LF	2" x 1-1/2" Custom Shaped White Pine	23.86	1.63
06 46 36 00-0765	LF	2" x 2-1/2" Custom Shaped White Pine	33.28	1.63
06 46 36 00-0766	LF	2" x 3-1/2" Custom Shaped White Pine	42.71	1.63
06 46 36 00-0767	LF	2" x 4-1/2" Custom Shaped White Pine	52.25	1.76
06 46 36 00-0768	LF	2" x 5-1/2" Custom Shaped White Pine	61.67	1.76
06 46 36 00-0769	LF	2" x 6-1/2" Custom Shaped White Pine	71.36	1.90
06 46 36 00-0770	LF	2" x 7-1/2" Custom Shaped White Pine	80.77	1.90
06 46 36 00-0771	LF	2" x 8-1/2" Custom Shaped White Pine	90.33	2.03
06 46 36 00-0772	LF	2" x 9-1/2" Custom Shaped White Pine	99.75	2.03
06 46 36 00-0773	LF	2" x 10-1/2" Custom Shaped White Pine	109.17	2.17
06 46 36 00-0774	LF	2" x 11-1/2" Custom Shaped White Pine	118.87	2.30
06 46 36 00-0775	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	28.37	1.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0776	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	39.97	1.63
06 46 36 00-0777	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	51.57	1.76
06 46 36 00-0778	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	63.30	1.76
06 46 36 00-0779	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	74.92	1.76
06 46 36 00-0780	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	86.78	1.90
06 46 36 00-0781	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	98.40	2.03
06 46 36 00-0782	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	110.12	2.03
06 46 36 00-0783	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	121.73	2.17
06 46 36 00-0784	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	133.34	2.17
06 46 36 00-0785	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	145.22	2.30
06 46 36 00-0786	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	71.37	1.76
06 46 36 00-0787	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	88.02	1.76
06 46 36 00-0788	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	104.54	1.90
06 46 36 00-0789	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	121.33	2.03
06 46 36 00-0790	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	137.85	2.03
06 46 36 00-0791	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	154.50	2.17
06 46 36 00-0792	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	171.01	2.17
06 46 36 00-0793	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	187.54	2.17
06 46 36 00-0794	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	204.33	2.30
06 46 36 00-0795		**Clear Heart Redwood** *(06 46 36)*		
06 46 36 00-0796	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	8.82	1.49
06 46 36 00-0797	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	10.99	1.49
06 46 36 00-0798	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	13.17	1.49
06 46 36 00-0799	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	15.34	1.63
06 46 36 00-0800	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	17.66	1.63
06 46 36 00-0801	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	19.98	1.76
06 46 36 00-0802	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	24.33	1.76
06 46 36 00-0803	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	26.80	1.76
06 46 36 00-0804	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	26.94	1.90
06 46 36 00-0805	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	28.81	2.03
06 46 36 00-0806	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	10.53	1.49
06 46 36 00-0807	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	13.47	1.49
06 46 36 00-0808	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	16.42	1.63
06 46 36 00-0809	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	19.35	1.63
06 46 36 00-0810	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	22.49	1.76
06 46 36 00-0811	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	25.59	1.76
06 46 36 00-0812	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	32.32	1.76
06 46 36 00-0813	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	35.78	1.90
06 46 36 00-0814	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	39.15	1.90
06 46 36 00-0815	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	42.75	2.03
06 46 36 00-0816	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	13.70	1.49
06 46 36 00-0817	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	18.12	1.63
06 46 36 00-0818	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	22.53	1.63
06 46 36 00-0819	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	26.94	1.76
06 46 36 00-0820	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	31.37	1.76
06 46 36 00-0821	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	36.18	1.90
06 46 36 00-0822	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	48.32	1.90
06 46 36 00-0823	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	53.76	2.03
06 46 36 00-0824	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	63.46	2.03
06 46 36 00-0825	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	69.46	2.17
06 46 36 00-0826	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	67.00	1.76
06 46 36 00-0827	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	82.55	1.76
06 46 36 00-0828	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	97.99	1.90
06 46 36 00-0829	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	113.69	2.03
06 46 36 00-0830	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	129.11	2.03
06 46 36 00-0831	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	144.67	2.17
06 46 36 00-0832	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	160.09	2.17
06 46 36 00-0833	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	175.52	2.17
06 46 36 00-0834	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	191.22	2.30
06 46 36 00-0835		**Walnut** *(06 46 36)*		
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	13.08	1.49
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	17.38	1.49
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	21.69	1.49
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	25.99	1.63
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	30.44	1.63
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	34.89	1.76
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	39.18	1.76
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	43.51	1.76
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	47.74	1.90
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	52.23	2.03
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	56.59	2.03
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	15.56	1.49
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	21.06	1.49
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	26.52	1.63
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	32.02	1.63
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	37.62	1.76
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	43.28	1.76
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	48.71	1.76
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	54.24	1.90
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	59.63	1.90
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	65.31	2.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	70.82	2.03
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	18.98	1.49
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	26.12	1.49
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	33.20	1.63
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	40.34	1.63
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	47.59	1.76
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	54.88	1.76
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	61.95	1.90
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	69.12	1.90
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	76.14	1.90
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	83.47	2.03
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	90.61	2.17
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	25.50	1.49
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	35.81	1.63
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	46.12	1.63
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	56.43	1.76
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	66.76	1.76
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	77.35	1.90
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	87.64	1.90
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	98.00	2.03
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	109.33	2.03
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	118.72	2.17
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	129.09	2.17
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	42.43	1.63
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	61.13	1.63
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	79.84	1.63
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	98.67	1.76
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	117.38	1.76
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	136.34	1.90
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	155.04	1.90
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	173.89	2.03
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	192.59	2.03
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	211.29	2.17
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	230.27	2.30
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	52.94	1.63
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	76.84	1.63
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	100.72	1.76
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	124.74	1.76
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	148.64	1.76
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	172.79	1.90
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	196.69	2.03
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	220.71	2.03
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	244.61	2.17
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	268.50	2.17
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	292.67	2.30

06 48 Wood Frames *(06 40)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames *(06 48)*

06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	356.63	76.83
		For Birch, Add	*71.09*	
		For Mahogany, Add	*172.64*	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	374.92	80.52
		For Birch, Add	*75.11*	
		For Mahogany, Add	*182.42*	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	393.23	83.65
		For Birch, Add	*79.13*	
		For Mahogany, Add	*192.17*	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	428.16	89.52
		For Birch, Add	*87.16*	
		For Mahogany, Add	*211.67*	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	463.89	95.93
		For Birch, Add	*95.20*	
		For Mahogany, Add	*231.19*	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	527.27	77.10
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	537.18	80.52
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	547.03	83.92
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	564.16	89.38
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	584.12	96.21
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	415.53	77.10
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	435.53	80.52
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	455.65	83.92
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	492.91	89.38
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	532.90	96.21

06 48 16 Interior Wood Door Frames *(06 48)*

06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	178.23	36.57
		For Oak Or Maple, Add	*32.59*	
		For Birch, Add	*36.79*	
		For Mahogany, Add	*89.35*	
		For Walnut Frame, Add	*47.30*	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	179.46	36.71
		For Oak Or Maple, Add	*32.86*	
		For Birch, Add	*37.10*	
		For Mahogany, Add	*90.11*	
		For Walnut Frame, Add	*47.70*	
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	181.70	37.40
		For Oak Or Maple, Add	*33.11*	
		For Birch, Add	*37.38*	
		For Mahogany, Add	*90.79*	
		For Walnut Frame, Add	*48.06*	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	184.62	38.35
		For Oak Or Maple, Add	*33.44*	
		For Birch, Add	*37.75*	
		For Mahogany, Add	*91.68*	
		For Walnut Frame, Add	*48.54*	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	188.87	39.30
		For Oak Or Maple, Add	*34.14*	
		For Birch, Add	*38.55*	
		For Mahogany, Add	*93.62*	
		For Walnut Frame, Add	*49.56*	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	199.55	41.75
		For Oak Or Maple, Add	*35.95*	
		For Birch, Add	*40.59*	
		For Mahogany, Add	*98.57*	
		For Walnut Frame, Add	*52.19*	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	212.23	45.17
		For Oak Or Maple, Add	*37.76*	
		For Birch, Add	*42.63*	
		For Mahogany, Add	*103.54*	
		For Walnut Frame, Add	*54.81*	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	223.59	48.04
		For Oak Or Maple, Add	*39.57*	
		For Birch, Add	*44.67*	
		For Mahogany, Add	*108.49*	
		For Walnut Frame, Add	*57.44*	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	8.48	3.27
		For Oak Or Maple, Add	*0.60*	
		For Birch, Add	*0.68*	
		For Mahogany, Add	*1.64*	
		For Walnut Frame, Add	*0.87*	

06 49 Wood Screens and Exterior Wood Shutters *(06 40)*

06 49 19 Exterior Wood Shutters *(06 49)*

See CSI section 10 71 13 13-0000 for exterior shutters.

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes and Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	13.91	2.20
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	17.74	2.39
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	21.21	2.57
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	30.94	3.06
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	37.05	3.44
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	20.05	2.96
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	26.96	3.15
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	28.06	3.24
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	38.68	3.54
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	52.70	3.73
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	9.03	1.23
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	12.54	1.30
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	16.36	1.43
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	19.98	1.72
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	29.45	2.01
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	35.82	2.57
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	18.40	1.81
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	25.19	1.92
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	26.42	2.10
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	37.03	2.39
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	51.06	2.57
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	

06 51 13 00-0024 Columns, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	21.41	3.91
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	30.37	5.54
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	32.30	6.21
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	43.71	7.07
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	59.79	8.70
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	

06 51 13 00-0030 Walls, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	8.12	1.23
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.65*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	9.31	1.43
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	12.95	1.53
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	16.63	1.62
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	

06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	7.93	1.09
		For Reinforced Structural Plastic Lumber, Add	*2.32*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.78*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.63*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.56*	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	10.07	1.23
		For Reinforced Structural Plastic Lumber, Add	*3.07*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.50*	
		For White Color, Add	*1.04*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.16*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.75*	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	13.16	1.23
		For Reinforced Structural Plastic Lumber, Add	*4.21*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.68*	
		For White Color, Add	*1.42*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.96*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-1.03*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	7.97	1.09
		For Reinforced Structural Plastic Lumber, Add	*2.33*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.64*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	8.81	1.23
		For Reinforced Structural Plastic Lumber, Add	*2.60*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.42*	
		For White Color, Add	*0.88*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.83*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.63*	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	8.97	1.23
		For Reinforced Structural Plastic Lumber, Add	*2.66*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.43*	
		For White Color, Add	*0.90*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.87*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	5.52	1.05
		For Reinforced Structural Plastic Lumber, Add	*1.48*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.24*	
		For White Color, Add	*0.50*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.04*	
		For >750, Deduct	*-0.36*	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	8.12	1.23
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.65*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	9.31	1.43
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	12.95	1.53
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	16.63	1.62
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	19.98	1.72
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	24.14	1.81
		For Reinforced Structural Plastic Lumber, Add	*7.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.29*	
		For White Color, Add	*2.70*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.61*	
		For >750, Deduct	*-1.94*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	13.32	1.67
		For Reinforced Structural Plastic Lumber, Add	*4.04*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.66*	
		For White Color, Add	*1.37*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.84*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	19.50	1.78
		For Reinforced Structural Plastic Lumber, Add	*6.28*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.02*	
		For White Color, Add	*2.12*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.41*	
		For >750, Deduct	*-1.53*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	25.40	1.92
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >750, Deduct	*-2.04*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	29.45	2.01
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	35.82	2.57
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	18.40	1.81
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	25.19	1.92
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	33.85	2.08
		For Reinforced Structural Plastic Lumber, Add	*11.43*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.85*	
		For White Color, Add	*3.86*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.03*	
		For >500, Deduct	*-3.09*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	26.42	2.10
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	37.03	2.39
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	51.06	2.57
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	72.06	2.87
		For Reinforced Structural Plastic Lumber, Add	*25.15*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*4.08*	
		For White Color, Add	*8.50*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*17.67*	
		For >500, Deduct	*-6.80*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	64.08	2.76
		For Reinforced Structural Plastic Lumber, Add	*22.26*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*3.61*	
		For White Color, Add	*7.52*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*15.64*	
		For >500, Deduct	*-6.02*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	109.41	2.87
		For Reinforced Structural Plastic Lumber, Add	*38.97*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*6.32*	
		For White Color, Add	*13.17*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*27.38*	
		For >500, Deduct	*-10.53*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	151.75	3.00
		For Reinforced Structural Plastic Lumber, Add	*54.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*8.85*	
		For White Color, Add	*18.44*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*38.34*	
		For >500, Deduct	*-14.75*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	5.91	0.95
		For Reinforced Structural Plastic Lumber, Add	*1.68*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.27*	
		For White Color, Add	*0.57*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.18*	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	16.89	1.23
		For Reinforced Structural Plastic Lumber, Add	*5.59*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.91*	
		For White Color, Add	*1.89*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.93*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	18.63	1.43
		For Reinforced Structural Plastic Lumber, Add	*6.14*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.00*	
		For White Color, Add	*2.07*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.31*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	23.07	1.72
		For Reinforced Structural Plastic Lumber, Add	*7.63*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.24*	
		For White Color, Add	*2.58*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.36*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	50.99	2.01
		For Reinforced Structural Plastic Lumber, Add	*17.80*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.89*	
		For White Color, Add	*6.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.51*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	4.79	1.05
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	6.98	1.09
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	10.07	1.16
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	12.82	1.20

06 51 23 Plastic Channel and Shapes *(06 51)*

06 51 23 00-0001 Channel *(06 51 23)*

06 51 23 00-0002	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22)	19.07	2.31
06 51 23 00-0003	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22H1-7/8)	35.01	2.31
06 51 23 00-0004	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22SH)	35.01	2.31
06 51 23 00-0005	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22A)	45.63	2.31
06 51 23 00-0006	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22)	23.75	2.31
06 51 23 00-0007	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22H1-7/8)	39.90	2.31
06 51 23 00-0008	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22SH)	39.90	2.31
06 51 23 00-0009	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22A)	50.10	2.31
06 51 23 00-0010	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42)	19.28	2.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 23 00-0011	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42H1-7/8)	30.55	2.31
06 51 23 00-0012	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42SH)	30.55	2.31
06 51 23 00-0013	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42A)	41.17	2.31
06 51 23 00-0014	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42)	23.32	2.31
06 51 23 00-0015	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42H1-7/8)	35.01	2.31
06 51 23 00-0016	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42SH)	35.01	2.31
06 51 23 00-0017	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42A)	43.08	2.31

06 51 33 Carbon Fiber Plates *(06 51)*

06 51 33 00-0001 Carbon Fiber Plates *(06 51 33)*

Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte

06 51 33 00-0002	EA	6" x 6", 0.039" Thickness, Carbon Fiber Plates	20.08	
06 51 33 00-0003	EA	6" x 12", 0.039" Thickness, Carbon Fiber Plates	31.61	
06 51 33 00-0004	EA	6" x 24", 0.039" Thickness, Carbon Fiber Plates	54.54	
06 51 33 00-0005	EA	12" x 12", 0.039" Thickness, Carbon Fiber Plates	54.54	
06 51 33 00-0006	EA	12" x 24", 0.039" Thickness, Carbon Fiber Plates	97.34	
06 51 33 00-0007	EA	12" x 48", 0.039" Thickness, Carbon Fiber Plates	180.74	
06 51 33 00-0008	EA	24" x 24", 0.039" Thickness, Carbon Fiber Plates	181.43	
06 51 33 00-0009	EA	24" x 48", 0.039" Thickness, Carbon Fiber Plates	345.73	
06 51 33 00-0010	EA	38" x 48", 0.039" Thickness, Carbon Fiber Plates	518.78	
06 51 33 00-0011	EA	38" x 96", 0.039" Thickness, Carbon Fiber Plates	1,033.76	
06 51 33 00-0012	EA	6" x 6", 1/16" Thickness, Carbon Fiber Plates	25.14	
06 51 33 00-0013	EA	6" x 12", 1/16" Thickness, Carbon Fiber Plates	44.27	
06 51 33 00-0014	EA	6" x 24", 1/16" Thickness, Carbon Fiber Plates	76.06	
06 51 33 00-0015	EA	12" x 12", 1/16" Thickness, Carbon Fiber Plates	76.06	
06 51 33 00-0016	EA	12" x 24", 1/16" Thickness, Carbon Fiber Plates	135.32	
06 51 33 00-0017	EA	12" x 48", 1/16" Thickness, Carbon Fiber Plates	255.44	
06 51 33 00-0018	EA	24" x 24", 1/16" Thickness, Carbon Fiber Plates	256.13	
06 51 33 00-0019	EA	24" x 48", 1/16" Thickness, Carbon Fiber Plates	484.99	
06 51 33 00-0020	EA	38" x 48", 1/16" Thickness, Carbon Fiber Plates	734.00	
06 51 33 00-0021	EA	38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,464.20	
06 51 33 00-0022	EA	6" x 6", 0.079" Thickness, Carbon Fiber Plates	30.21	
06 51 33 00-0023	EA	6" x 12", 0.079" Thickness, Carbon Fiber Plates	49.34	
06 51 33 00-0024	EA	6" x 24", 0.079" Thickness, Carbon Fiber Plates	87.46	
06 51 33 00-0025	EA	12" x 12", 0.079" Thickness, Carbon Fiber Plates	87.46	
06 51 33 00-0026	EA	12" x 24", 0.079" Thickness, Carbon Fiber Plates	174.57	
06 51 33 00-0027	EA	12" x 48", 0.079" Thickness, Carbon Fiber Plates	333.93	
06 51 33 00-0028	EA	24" x 24", 0.079" Thickness, Carbon Fiber Plates	334.62	
06 51 33 00-0029	EA	24" x 48", 0.079" Thickness, Carbon Fiber Plates	554.62	
06 51 33 00-0030	EA	38" x 48", 0.079" Thickness, Carbon Fiber Plates	842.88	
06 51 33 00-0031	EA	38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,670.56	
06 51 33 00-0032	EA	6" x 6", 3/32" Thickness, Carbon Fiber Plates	34.01	
06 51 33 00-0033	EA	6" x 12", 3/32" Thickness, Carbon Fiber Plates	58.20	
06 51 33 00-0034	EA	6" x 24", 3/32" Thickness, Carbon Fiber Plates	96.32	
06 51 33 00-0035	EA	12" x 12", 3/32" Thickness, Carbon Fiber Plates	96.32	
06 51 33 00-0036	EA	12" x 24", 3/32" Thickness, Carbon Fiber Plates	177.10	
06 51 33 00-0037	EA	12" x 48", 3/32" Thickness, Carbon Fiber Plates	332.66	
06 51 33 00-0038	EA	24" x 24", 3/32" Thickness, Carbon Fiber Plates	333.35	
06 51 33 00-0039	EA	24" x 48", 3/32" Thickness, Carbon Fiber Plates	636.91	
06 51 33 00-0040	EA	38" x 48", 3/32" Thickness, Carbon Fiber Plates	963.15	
06 51 33 00-0041	EA	38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,919.96	
06 51 33 00-0042	EA	6" x 6", 0.119" Thickness, Carbon Fiber Plates	39.07	
06 51 33 00-0043	EA	6" x 12", 0.119" Thickness, Carbon Fiber Plates	70.86	
06 51 33 00-0044	EA	6" x 24", 0.119" Thickness, Carbon Fiber Plates	114.04	
06 51 33 00-0045	EA	12" x 12", 0.119" Thickness, Carbon Fiber Plates	114.04	
06 51 33 00-0046	EA	12" x 24", 0.119" Thickness, Carbon Fiber Plates	204.95	
06 51 33 00-0047	EA	12" x 48", 0.119" Thickness, Carbon Fiber Plates	390.90	
06 51 33 00-0048	EA	24" x 24", 0.119" Thickness, Carbon Fiber Plates	391.59	
06 51 33 00-0049	EA	24" x 48", 0.119" Thickness, Carbon Fiber Plates	743.25	
06 51 33 00-0050	EA	38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,126.46	
06 51 33 00-0051	EA	38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,242.79	
06 51 33 00-0052	EA	6" x 6", 1/8" Thickness, Carbon Fiber Plates	37.80	
06 51 33 00-0053	EA	6" x 12", 1/8" Thickness, Carbon Fiber Plates	67.06	
06 51 33 00-0054	EA	6" x 24", 1/8" Thickness, Carbon Fiber Plates	114.04	
06 51 33 00-0055	EA	12" x 12", 1/8" Thickness, Carbon Fiber Plates	114.04	
06 51 33 00-0056	EA	12" x 24", 1/8" Thickness, Carbon Fiber Plates	191.02	
06 51 33 00-0057	EA	12" x 48", 1/8" Thickness, Carbon Fiber Plates	370.64	
06 51 33 00-0058	EA	24" x 24", 1/8" Thickness, Carbon Fiber Plates	371.33	
06 51 33 00-0059	EA	24" x 48", 1/8" Thickness, Carbon Fiber Plates	705.27	
06 51 33 00-0060	EA	38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,113.80	
06 51 33 00-0061	EA	38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,178.22	
06 51 33 00-0062	EA	6" x 6", 0.157" Thickness, Carbon Fiber Plates	46.67	
06 51 33 00-0063	EA	6" x 12", 0.157" Thickness, Carbon Fiber Plates	92.38	
06 51 33 00-0064	EA	6" x 24", 0.157" Thickness, Carbon Fiber Plates	139.36	
06 51 33 00-0065	EA	12" x 12", 0.157" Thickness, Carbon Fiber Plates	139.36	
06 51 33 00-0066	EA	12" x 24", 0.157" Thickness, Carbon Fiber Plates	241.66	
06 51 33 00-0067	EA	12" x 48", 0.157" Thickness, Carbon Fiber Plates	460.53	
06 51 33 00-0068	EA	24" x 24", 0.157" Thickness, Carbon Fiber Plates	461.22	
06 51 33 00-0069	EA	24" x 48", 0.157" Thickness, Carbon Fiber Plates	882.51	
06 51 33 00-0070	EA	38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,336.62	
06 51 33 00-0071	EA	38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,666.90	
06 51 33 00-0072	EA	6" x 6", 3/16" Thickness, Carbon Fiber Plates	53.00	
06 51 33 00-0073	EA	6" x 12", 3/16" Thickness, Carbon Fiber Plates	94.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	159.62	
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	159.62	
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	274.58	
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	530.16	
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	530.85	
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	1,009.11	
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,526.52	
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	3,034.04	
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	54.26	
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	101.24	
06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	173.55	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	152.02	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	304.96	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	535.22	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	535.91	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	1,016.71	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,544.24	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	3,065.69	
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	63.12	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	113.90	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	190.00	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	190.00	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	342.94	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	655.49	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	656.18	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,249.65	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,898.72	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,773.38	

06 52 Plastic Structural Assemblies *(06 50)*

06 52 13 Plastic Columns *(06 52)*

06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	19.22	7.34
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	27.32	10.68
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	31.49	12.02
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	37.57	12.57
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	45.38	14.52
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	36.86	13.91
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	40.60	15.02
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	47.26	16.69
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	62.27	17.81
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	81.68	19.47

06 52 13 00-0012 Fluted Fiberglass Columns *(06 52 13)*

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	20.10	7.34
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	28.50	10.68
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	32.98	12.02
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	40.07	12.57
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	48.65	14.58
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	38.66	13.91
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	42.71	15.02
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	50.04	16.69
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	67.61	17.81
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	90.23	19.47

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*

06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	128.95	16.69
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	170.21	19.47
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	216.29	22.25
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	151.33	16.69
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	181.70	19.47
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	261.05	22.25
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	187.62	16.69
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	227.06	19.47
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	298.56	22.25
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	130.76	16.69
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	173.84	19.47
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	219.92	22.25
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	130.76	16.69
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	156.90	19.47
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	204.80	22.25

06 53 Plastic Decking *(06 50)*

06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	50.89	2.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	69.08	3.43
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	90.82	3.78

06 60 Plastic Fabrications *(06)*

06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	7.58	2.71
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	9.26	3.39
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	7.12	2.85

06 65 00 00-0006 Cornice, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	7.04	2.71
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	8.55	2.85
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	11.43	2.99
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	13.04	3.12
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	14.90	3.26
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	18.80	3.39

06 65 00 00-0013 Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	11.89	2.71
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	15.83	3.39
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	16.45	3.39
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	17.07	3.39
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	22.14	4.07
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	25.99	4.07

06 65 00 00-0020 Dentil, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	10.24	2.71
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	11.42	2.71
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	14.07	2.71
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	18.65	2.71

06 65 00 00-0025 Cove, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	4.04	1.49
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	4.35	1.49
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	5.67	1.76
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	5.67	1.76
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	7.05	1.76
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	9.16	2.03
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	12.07	2.03

06 65 00 00-0033 Chair Rail, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	6.65	2.03
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	8.96	2.71
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	10.75	2.71

06 65 00 00-0037 Door, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	5.94	2.44
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	5.99	2.44

06 65 00 00-0040 Trim, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	6.32	2.85
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	8.29	2.85
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	7.98	2.71
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	9.17	2.71
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	6.82	2.71
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	10.04	2.71
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	7.47	2.71

06 65 00 00-0048 Extruded Polyvinyl Chloride (PVC) Trimboard *(06 65)*

Note: As manufactured by Azek or Kleer. All dimensions are nominal.

06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.81	1.09
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	6.86	1.22
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	8.96	1.36
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	10.78	1.39
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	12.78	1.43
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	5.87	1.09
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	8.50	1.22
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	10.80	1.36
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	13.29	1.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	15.57	1.43
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	12.71	1.39
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	16.83	1.43
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	8.92	1.22
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	12.81	1.36

06 70 Structural Composites *(06)*

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001 Molded Fiberglass Gratings And Coverings *(06 74 13)*

06 74 13 00-0002 Vi-Corr Resin System *(06 74 13 00-0001)*

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	46.27	2.06
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	44.94	2.06
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	58.69	2.06
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	63.53	2.64
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	48.56	2.06
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	47.18	2.06
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	62.00	2.06
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	66.65	2.64
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	43.85	1.65
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	71.11	1.81
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	97.50	1.99

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin *(06 74 13 00-0001)*

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.54	2.06
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.83	2.06
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	51.30	2.06
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	55.34	2.64
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	44.42	2.06
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	40.90	2.06
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	55.73	2.64
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	58.42	2.64
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	38.64	1.65
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	54.75	1.81
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	75.25	1.99

06 74 13 00-0026 Corvex Polyester Resin *(06 74 13 00-0001)*

Note: Dark gray.

06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	36.07	2.06
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	34.64	2.06
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	42.02	2.06
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	48.30	2.64
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	38.45	2.06
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	37.00	2.06
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	44.78	2.06
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	50.66	2.64
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	34.11	1.65
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	54.51	1.81
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	75.65	1.99

06 74 13 00-0038 XFR Extra Fire Retardant *(06 74 13 00-0001)*

06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	53.15	2.06
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	51.60	2.06
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	70.70	2.06
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	75.51	2.64
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	55.48	2.06
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	53.96	2.06
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	73.46	2.06
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	78.85	2.64
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	50.26	1.65
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	81.36	1.81

06 74 13 00-0049 ELS Extremely Low Smoke Resin *(06 74 13 00-0001)*

06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	54.51	2.06
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	52.86	2.06
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	68.80	2.06
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	73.71	2.64
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	56.67	2.06
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	55.31	2.06
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	71.46	2.06
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	76.40	2.64
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	56.19	1.65
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	101.43	1.81

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0060		Pultruded Fiberglass Grating *(06 74 13)*		
06 74 13 00-0061		ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0060)* Note: For moderately corrosive environments, green.		
06 74 13 00-0062		1" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	38.71	2.64
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	34.33	2.06
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	43.80	2.64
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	40.49	2.06
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	30.15	2.64
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	26.68	2.06
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	34.57	2.64
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	31.19	2.06
06 74 13 00-0071		1-1/2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	43.75	2.64
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	39.48	2.06
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	49.20	2.64
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	46.14	2.06
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	38.43	2.64
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	35.05	2.06
06 74 13 00-0078		2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	37.89	2.64
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	41.96	2.64
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	50.78	2.64
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	47.90	2.64
06 74 13 00-0083		VERF Vinyl Ester Resin System *(06 74 13 00-0060)*		
06 74 13 00-0084		1" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	41.00	2.06
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.64	2.06
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	46.14	2.06
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	53.01	2.06
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	31.41	2.06
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	28.05	2.06
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	36.10	2.06
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	33.10	2.06
06 74 13 00-0093		1-1/2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	45.04	2.06
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	40.73	2.06
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	51.53	2.06
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	48.09	2.06
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	40.45	2.06
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	37.24	2.06
06 74 13 00-0100		2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	39.82	2.64
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.70	2.64
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	53.49	2.64
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	51.94	2.64

06 80 Composite Fabrications *(06)*

06 82 Composite Trim *(06 80)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0001		Fiberglass Castings *(06 82)*		
06 82 00 00-0002		Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*		
06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	9.86	3.43
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	10.34	3.43
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	18.53	4.12
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	20.48	4.12
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	20.60	4.12
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	22.01	4.12
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	23.91	4.12
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	26.93	4.12
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	64.68	5.16
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	74.43	5.16
06 82 00 00-0013		Fiberglass Channels *(06 82 00 00-0001)*		
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	11.39	5.16
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	11.87	5.16
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	23.94	5.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	23.94	5.84
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	37.62	5.84
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	43.78	5.84
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	35.33	5.84
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	42.73	5.84
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	53.82	8.02
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	61.75	8.02
06 82 00 00-0024		**Fiberglass Wide Flange Beams** *(06 82 00 00-0001)*		
06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	32.71	6.87
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	35.79	6.87
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	41.88	8.25
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	43.35	8.25
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	67.65	10.31
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	84.97	10.31
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	150.60	12.60
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	169.54	12.60
06 82 00 00-0033		**Fiberglass Flat Sheet** *(06 82 00 00-0001)*		
		Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	27.03	5.84
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	28.24	5.84
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	42.55	6.87
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	48.98	6.87
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	57.77	8.25
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	67.43	8.25
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	77.93	10.31
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	92.72	10.31
06 82 00 00-0042		**Fiberglass Bars** *(06 82 00 00-0001)*		
06 82 00 00-0043		**Square Bars** *(06 82 00 00-0042)*		
06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	16.06	4.12
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	23.08	6.07
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	27.06	8.02
06 82 00 00-0047		**Round Bars** *(06 82 00 00-0042)*		
06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	10.29	3.43
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	22.15	5.16
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	25.08	5.16
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	33.29	5.16
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	39.80	5.84
06 82 00 00-0053		**Fiberglass Tubes** *(06 82 00 00-0001)*		
06 82 00 00-0054		**Square Tube** *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.62	3.43
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.56	3.43
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	17.22	4.12
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	18.89	4.12
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	32.93	5.16
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	36.80	5.16
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	38.75	6.18
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	49.52	6.18
06 82 00 00-0063		**Round Tube** *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	11.12	3.43
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	11.55	3.43
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	20.94	4.12
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	22.36	4.12
06 82 00 00-0068		**Fiberglass Threaded Rods** *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.10	2.64
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	16.08	2.64
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.46	2.98
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	20.35	2.98
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	22.51	2.98
06 82 00 00-0074		**Grating Support Legs, VEFR Resin** *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	13.52	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	5.79	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	21.78	
06 82 00 00-0078		**Fiberglass Netting** *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0089		Fiberglass Stair Treads *(06 82)*		
06 82 00 00-0090		Fiberglass Stair Treads *(06 82 00 00-0089)*		
06 82 00 00-0091		10-1/2" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	117.01	17.99
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	137.31	17.99
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	157.62	17.99
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	177.92	17.99
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	129.19	17.99
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	152.54	17.99
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	175.89	17.99
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	199.24	17.99
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	147.87	17.99
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	175.89	17.99
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	203.91	17.99
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	231.93	17.99
06 82 00 00-0104		12" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	128.62	17.99
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	151.82	17.99
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	175.03	17.99
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	198.23	17.99
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	142.54	17.99
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	169.22	17.99
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	195.91	17.99
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	222.60	17.99
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	163.89	17.99
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	195.91	17.99
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	227.94	17.99
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	259.96	17.99
06 82 00 00-0117		Other Fiberglass *(06 82)*		
06 82 00 00-0118		Fiberglass Splash Blocks *(06 82 00 00-0117)*		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	19.09	3.69

06 83 Composite Paneling *(06 80)*

06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels *(06 83 16)*
Note: Includes adhesive and trim.

06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Note: Including Adhesive And Trim	3.67	1.85

END OF SECTION 06

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection *(07)*

07 01 50 Maintenance of Membrane Roofing *(07 01)*

07 01 50 19 Preparation for Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	84.47	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	147.77	

07 01 50 81 Roof Replacement *(07 01 50)*

07 01 50 81-0001 Roof Repair *(07 01 50 81)*

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	25.69	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	22.89	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	20.77	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	19.32	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	28.66	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	25.87	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	23.74	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	22.29	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	22.72	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	20.23	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	18.40	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	17.24	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	8.74	

07 01 50 81-0015 Emergency Roof Patch *(07 01 50 81)*

Note: 4 Hour response time.

07 01 50 81-0016	EA	16 SF Granule Emergency Roof Patch Cover	102.11	
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	853.98	

07 01 50 81-0018 Adhesives *(07 01 50 81)*

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer *(07 01 50 81-0018)*

07 01 50 81-0020 Applied At Joints Only *(07 01 50 81-0019)*

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint For Roof Repair	5.61	2.42

07 01 50 91 Roofing Restoration *(07 01 50)*

07 01 50 91-0001 Pressure Wash Membrane Roofing *(07 01 50 91)*

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.22
		For Up To 100, Add	*0.17*
		For >100 To 250, Add	*0.08*
		For >250 To 500, Add	*0.03*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 15,000, Deduct	*-0.02*
		For >15,000 To 30,000, Deduct	*-0.03*
		For >30,000, Deduct	*-0.04*

07 01 60 Maintenance of Flashing and Sheet Metal *(07 01)*

07 01 60 91 Flashing and Sheet Metal Restoration *(07 01 60)*

07 01 60 91-0001 Re-connecting Downspouts To Gutters *(07 01 60 91)*

07 01 60 91-0002	EA	Re-connecting Existing Downspouts To Gutter With Fasteners	39.83	
07 01 60 91-0003	EA	Re-connecting Existing Downspouts To Gutter By Welding	60.39	

07 01 70 Operation and Maintenance of Roof Specialties and Accessories *(07 01)*

07 01 70 00-0001 Metal Roofing Edge Repair *(07 01 70)*

07 01 70 00-0002	LF	Cut Existing Metal Roofing Edge, 20 to 26 Gauge	4.72	
07 01 70 00-0003	LF	Cut Existing Metal Roofing Edge, 16 to 19 Gauge	5.90	
07 01 70 00-0004	LF	Cut Existing Metal Roofing Edge, 11 to 15 Gauge	6.75	

07 01 70 00-0005 Metal Roofing Repair *(07 01 70)*

07 01 70 00-0006	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF	28.66	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 01 70 00-0007	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF	25.87	
	07 01 70 00-0008	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF	23.74	
	07 01 70 00-0009	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF	22.29	
07 01 70 00-0010			Removal And Reinstallation Of Metal Coping *(07 01 70)*		
			Note: Includes storage, cleaning and supply materials.		
	07 01 70 00-0011	LF	Removal And Reinstallation Of Metal Coping	10.52	
			For Up To 25 LF, Add	*5.26*	
			For >25 To 100 LF, Add	*2.63*	
			For >1,000 LF, Deduct	*-1.05*	

07 05 Common Work Results for Thermal and Moisture Protection *(07)*

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

07 05 13 00-0001			Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*		
			Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.		
	07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,710.69	
	07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,279.94	
	07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	855.34	
	07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	426.65	

07 10 Dampproofing and Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001			Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*		
	07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	207.66	
	07 11 13 00-0003	CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	321.52	
07 11 13 00-0004			Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*		
	07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	355.42	
	07 11 13 00-0006	CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	548.89	
07 11 13 00-0007			Asphaltic Paint Dampproofing *(07 11 13)*		
	07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	167.61	
	07 11 13 00-0009	CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing	309.57	

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001			Neoprene *(07 11 19)*		
	07 11 19 00-0002	SF	1/16" Patch Neoprene Roof (5 To 20 SF)	45.17	

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001			15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*		
	07 13 13 00-0002	CSF	1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	376.41	136.65
			For 30 Lb. Felt, Add	*77.33*	
			For Application To Horizontal Surfaces, Deduct	*-41.00*	
	07 13 13 00-0003	CSF	2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	469.72	153.74
			For 30 Lb. Felt, Add	*121.68*	
			For Application To Horizontal Surfaces, Deduct	*-46.12*	
	07 13 13 00-0004	CSF	3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	563.01	170.83
			For 30 Lb. Felt, Add	*166.03*	
			For Application To Horizontal Surfaces, Deduct	*-51.25*	
	07 13 13 00-0005	CSF	4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	656.31	187.90
			For 30 Lb. Felt, Add	*210.38*	
			For Application To Horizontal Surfaces, Deduct	*-56.37*	
	07 13 13 00-0006	CSF	5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	749.62	204.99
			For 30 Lb. Felt, Add	*254.74*	
			For Application To Horizontal Surfaces, Deduct	*-61.50*	
07 13 13 00-0007			Asphalt Coated Protective Board *(07 13 13)*		
	07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	332.36	137.06
			For Application To Horizontal Surfaces, Deduct	*-45.71*	
	07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	420.70	142.33
			For Application To Horizontal Surfaces, Deduct	*-47.44*	
	07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	526.99	148.31
			For Application To Horizontal Surfaces, Deduct	*-49.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	582.77	154.29
		For Application To Horizontal Surfaces, Deduct	*-51.44*	

07 13 53 Elastomeric Sheet Waterproofing *(07 13)*

07 13 53 00-0001 Rubberized Membrane Sheet *(07 13 53)*

07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	8.75	1.42
		For Floor Surfaces, Deduct	*-1.37*	

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) *(07 13 53)*

07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	552.83	200.18
		For Application To Horizontal Surfaces, Deduct	*-60.04*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	623.24	200.18
		For Application To Horizontal Surfaces, Deduct	*-60.04*	

07 13 53 00-0006 Butyl Sheet Waterproofing *(07 13 53)*

07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	113.39	50.04
		For Joint Taping, Add	*17.20*	
		For Each Additional Ply, Add	*84.39*	
		For Application To Horizontal Surfaces, Deduct	*-7.52*	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	133.52	50.04
		For Joint Taping, Add	*18.21*	
		For Each Additional Ply, Add	*98.48*	
		For Application To Horizontal Surfaces, Deduct	*-7.52*	

07 13 53 00-0009 Butyl With Nylon *(07 13 53)*

07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	124.90	50.04
		For Joint Taping, Add	*17.78*	
		For Each Additional Ply, Add	*92.45*	
		For Application To Horizontal Surfaces, Deduct	*-7.52*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	137.84	50.04
		For Joint Taping, Add	*18.43*	
		For Each Additional Ply, Add	*101.50*	
		For Application To Horizontal Surfaces, Deduct	*-7.52*	

07 13 53 00-0012 Neoprene Sheet Waterproofing *(07 13 53)*

07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	191.09	50.04
		For Joint Taping, Add	*21.09*	
		For Each Additional Ply, Add	*138.78*	
		For Application To Horizontal Surfaces, Deduct	*-7.52*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	276.75	50.04
		For Joint Taping, Add	*25.37*	
		For Each Additional Ply, Add	*198.74*	
		For Application To Horizontal Surfaces, Deduct	*-7.52*	

07 13 53 00-0015 Neoprene With Nylon *(07 13 53)*

07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	200.03	50.04
		For Joint Taping, Add	*21.54*	
		For Each Additional Ply, Add	*145.04*	
		For Application To Horizontal Surfaces, Deduct	*-7.52*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	291.03	50.04
		For Joint Taping, Add	*26.09*	
		For Each Additional Ply, Add	*208.74*	
		For Application To Horizontal Surfaces, Deduct	*-7.52*	

07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) *(07 13 53)*

07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	44.13	16.55
		For Joint Taping, Add	*10.63*	
		For Each Additional Ply, Add	*34.55*	
		For Application To Horizontal Surfaces, Deduct	*-5.49*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	45.72	16.55
		For Joint Taping, Add	*10.71*	
		For Each Additional Ply, Add	*35.67*	
		For Application To Horizontal Surfaces, Deduct	*-5.49*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	72.81	16.55
		For Joint Taping, Add	*12.06*	
		For Each Additional Ply, Add	*54.63*	
		For Application To Horizontal Surfaces, Deduct	*-5.49*	
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite	152.13	16.55
		Note: Includes seam tape, liquid mastic, anchors and termination bar.		
		For Each Additional Ply, Add	*110.56*	
		For Application To Horizontal Surfaces, Deduct	*-6.10*	

07 13 53 00-0023 Plastic Vapor Barrier (PVC) *(07 13 53)*

07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	60.17	18.31
		For Joint Taping, Add	*11.43*	
		For Each Additional Ply, Add	*45.78*	
		For Application To Horizontal Surfaces, Deduct	*-5.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	78.70	18.98
		For Joint Taping, Add	*12.68*	
		For Each Additional Ply, Add	*58.89*	
		For Application To Horizontal Surfaces, Deduct	*-5.70*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	103.59	19.66
		For Joint Taping, Add	*14.23*	
		For Each Additional Ply, Add	*76.45*	
		For Application To Horizontal Surfaces, Deduct	*-5.90*	

07 13 53 00-0027 Vinyl Plastic Vapor Barrier *(07 13 53)*

07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	52.66	16.95

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating *(07 14 13)*

07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.80
		For Application To Horizontal Surfaces, Deduct	*-0.26*
		For Reinforcing Fabric, Add	*0.61*
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	3.26
		For Application To Horizontal Surfaces, Deduct	*-0.27*
		For Reinforcing Fabric, Add	*0.61*

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane *(07 14 16)*

07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	4.87
		For Application To Horizontal Surfaces, Deduct	*-0.60*
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.49
		For Application To Horizontal Surfaces, Deduct	*-0.63*
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	6.17
		For Application To Horizontal Surfaces, Deduct	*-0.67*

07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer *(07 14 16)*

07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	3.53

07 14 16 00-0007 Copolymer Compound *(07 14 16)*

07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs	5.54

07 14 16 00-0009 Fluid Applied Neoprene *(07 14 16)*

07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	651.30
		For Application To Horizontal Surfaces, Deduct	*-72.92*
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene	1,224.66
		For Application To Horizontal Surfaces, Deduct	*-143.05*
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene	1,971.73
		For Application To Horizontal Surfaces, Deduct	*-214.47*

07 14 16 00-0013 Concrete Surface Waterproofing Treatments *(07 14 16)*

07 14 16 00-0014	SF	Concrete Waterproofing System (XYPEX) Note: Includes a single coat of each XYPEX Concentrate and XYPEX Modified	7.62

07 14 16 00-0015 Moisture Barrier (Maxxon) *(07 14 16)*

07 14 16 00-0016	SF	Moisture Barrier Primer, Brush Application For Cut-ins (Maxxon MVP 13030) Note: Includes primer coat for moisture mitigation epoxy flooring. Excludes preparation of flooring	4.03
07 14 16 00-0017	SF	Moisture Barrier Primer, Roller Application (Maxxon MVP 13030) Note: Includes primer coat for moisture mitigation epoxy flooring. Excludes preparation of flooring	3.47
07 14 16 00-0018	SF	Two Part Epoxy Moisture Barrier, Brush Application For Cut-ins, First Coat (Maxxon MVP 13035) Note: Includes product mixing and application. Excludes preparation of flooring	1.71
07 14 16 00-0019	SF	Two Part Epoxy Moisture Barrier, Roller Application For First Coat (Maxxon MVP 13035) Note: Includes product mixing and application. Excludes preparation of flooring	1.15
07 14 16 00-0020	SF	Two Part Epoxy Moisture Barrier, Brush Application For Cut-ins, Second Coat (Maxxon MVP 13035) Note: Includes product mixing and application. Excludes preparation of flooring	2.27
07 14 16 00-0021	SF	Two Part Epoxy Moisture Barrier, Roller Application For Second Coat (Maxxon MVP 13035) Note: Includes product mixing and application. Excludes preparation of flooring	1.71

07 16 Cementitious and Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	5.04

07 16 16 Crystalline Waterproofing *(07 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	6.11	

07 16 19 Metal Oxide Waterproofing *(07 16)*

07 16 19 00-0001 Metallic Oxide Waterproofing *(07 16 19)*

Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.

07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	543.13	
		For Application To Horizontal Surfaces, Deduct	*-68.56*	

07 17 Bentonite Waterproofing *(07 10)*

07 17 13 Bentonite Panel Waterproofing *(07 17)*

07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels	511.94	163.54
		For Application To Horizontal Surfaces, Deduct	*-49.07*	
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels	483.19	172.79
		For Application To Horizontal Surfaces, Deduct	*-53.11*	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels	630.16	180.19
		For Application To Horizontal Surfaces, Deduct	*-54.04*	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled	510.79	149.87
		For Application To Horizontal Surfaces, Deduct	*-44.94*	

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	3.08
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	3.67
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	4.03

07 19 16 Silane Water Repellents *(07 19)*

07 19 16 00-0001 Silane Concrete Sealer *(07 19 16)*

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.80
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.17

07 19 16 00-0004 Silane/Siloxane Concrete Sealer *(07 19 16)*

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.36
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.99
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) Note: 200 SF/GAL	0.52
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.77

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation *(07 21 13)*

07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation *(07 21 13 13)*

07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0001)*

07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.36	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.08	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	7.23	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.53	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.96	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.03	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.31	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.59	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.71	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.82	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	5.93	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	7.05	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	8.16	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

Note: 15 PSI compressive strength.

07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.24	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For 40 PSI Compressive Strength, Add	*0.56*	
		For 60 PSI Compressive Strength, Add	*0.89*	
		For 115 PSI Compressive Strength, Add	*3.85*	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.62	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For 40 PSI Compressive Strength, Add	*0.70*	
		For 60 PSI Compressive Strength, Add	*1.11*	
		For 115 PSI Compressive Strength, Add	*4.83*	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.93	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.82*	
		For 60 PSI Compressive Strength, Add	*1.29*	
		For 115 PSI Compressive Strength, Add	*5.63*	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.99	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.32*	
		For 115 PSI Compressive Strength, Add	*5.76*	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.51	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.41*	
		For 60 PSI Compressive Strength, Add	*2.19*	
		For 115 PSI Compressive Strength, Add	*9.61*	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.03	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.98*	
		For 60 PSI Compressive Strength, Add	*3.06*	
		For 115 PSI Compressive Strength, Add	*13.47*	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.79	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.95*	
		For 40 PSI Compressive Strength, Add	*2.26*	
		For 60 PSI Compressive Strength, Add	*3.50*	
		For 115 PSI Compressive Strength, Add	*15.40*	

07 21 13 13-0025 Mechanically Fastened Foam Board Insulation *(07 21 13 13)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*

Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.31	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	6.13	0.47
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.81*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.29	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.81*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.68	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 21 13 13-0031		Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*		
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.91	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.98	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.25	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.54	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.77	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.81*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.98	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	6.25	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.00*	
07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.57	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Gypsum, Add	*2.84*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*9.39*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	8.97	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.65*	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.19	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For 40 PSI Compressive Strength, Add	*0.48*	
		For 60 PSI Compressive Strength, Add	*0.78*	
		For 115 PSI Compressive Strength, Add	*3.36*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.57	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.26*	
		For 40 PSI Compressive Strength, Add	*0.63*	
		For 60 PSI Compressive Strength, Add	*1.00*	
		For 115 PSI Compressive Strength, Add	*4.33*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.88	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For 40 PSI Compressive Strength, Add	*0.74*	
		For 60 PSI Compressive Strength, Add	*1.18*	
		For 115 PSI Compressive Strength, Add	*5.13*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.94	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.21*	
		For 115 PSI Compressive Strength, Add	*5.26*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.57	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For 40 PSI Compressive Strength, Add	*1.37*	
		For 60 PSI Compressive Strength, Add	*2.14*	
		For 115 PSI Compressive Strength, Add	*9.35*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.81*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.18	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.97*	
		For 60 PSI Compressive Strength, Add	*3.06*	
		For 115 PSI Compressive Strength, Add	*13.44*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	7.11	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.98*	
		For 40 PSI Compressive Strength, Add	*2.32*	
		For 60 PSI Compressive Strength, Add	*3.59*	
		For 115 PSI Compressive Strength, Add	*15.78*	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.00*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.82	0.58
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	4.14	0.70
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.45	0.82
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.02	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.93	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.31	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.43	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.56	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.62	0.58
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	4.03	0.70
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.81*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	5.43	0.82
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	

07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	4.97	0.47
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.98	0.47
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.81*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	7.37	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.81*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	8.60	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.66*	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	9.71	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0001)

07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.14	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.54	0.55
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.95	0.58
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.68	0.64
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.41	0.70
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.86	0.82
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*
Note: Mechanically fastened to wood or steel.

07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0009)
Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	1.93	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.34	0.55
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.75	0.58
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.57	0.64
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.81*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	4.30	0.70
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.81*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	5.84	0.82
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.65	0.50
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.78	0.50
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.82	0.50
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	2.44	0.50
		For >1,600, Deduct	*-0.33*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	2.07	0.50
		For >1,600, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.87	0.63
		For >1,600, Deduct	*-0.39*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	3.25	0.63
		For >1,600, Deduct	*-0.44*	
07 21 16 00-0010		**Unfaced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.56	0.50
		For >1,600, Deduct	*-0.16*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.71	0.50
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	2.16	0.50
		For >1,600, Deduct	*-0.28*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	2.34	0.50
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	2.44	0.50
		For >1,600, Deduct	*-0.33*	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	2.70	0.63
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	3.14	0.63
		For >1,600, Deduct	*-0.42*	
07 21 16 00-0018		**Foil Faced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.89	0.50
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	2.11	0.50
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.37	0.50
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.35	0.63
		For >1,600, Deduct	*-0.47*	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.67	0.63
		For >1,600, Deduct	*-0.52*	
07 21 16 00-0024		**Poly-Encapsulated, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.69	0.50
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.82	0.50
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.52	0.50
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	2.09	0.50
		For >1,600, Deduct	*-0.26*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.79	0.63
		For >1,600, Deduct	*-0.39*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	3.14	0.63
		For >1,600, Deduct	*-0.42*	
07 21 16 00-0031		**Mineral Wool Flexible Insulation** *(07 21 16)*		
07 21 16 00-0032		**Kraft Faced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.84	0.50
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	2.47	0.50
		For >1,600, Deduct	*-0.33*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	3.86	0.50
		For >1,600, Deduct	*-0.59*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	4.59	0.50
		For >1,600, Deduct	*-0.71*	
07 21 16 00-0037		**Unfaced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.72	0.50
		For >1,600, Deduct	*-0.20*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	2.26	0.50
		For >1,600, Deduct	*-0.29*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	3.46	0.50
		For >1,600, Deduct	*-0.51*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	4.11	0.50
		For >1,600, Deduct	*-0.61*	
07 21 16 00-0042		**Natural Cotton Insulation** *(07 21 16)*		
07 21 16 00-0043		**UltraTouch™ Natural Cotton Insulation** *(07 21 16 00-0042)*		
		Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.53	0.50
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	2.84	0.50
		For >1,600, Deduct	*-0.41*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	3.17	0.50
		For >1,600, Deduct	*-0.48*	
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	4.22	0.50
		For >1,600, Deduct	*-0.67*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 21 19 Foamed-In-Place Insulation *(07 21)*

07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On *(07 21 19)*

07 21 19 00-0002	EA	Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,586.80	
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.61	
		For Up To 250 SF, Add	*0.61*	
		For >250 To 500 SF, Add	*0.31*	
		For >500 To 1,000 SF, Add	*0.13*	
		For >5,000 To 10,000 SF, Deduct	*-0.19*	
		For >10,000 SF, Deduct	*-0.48*	
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.18	
		For Up To 250 SF, Add	*0.80*	
		For >250 To 500 SF, Add	*0.40*	
		For >500 To 1,000 SF, Add	*0.17*	
		For >5,000 To 10,000 SF, Deduct	*-0.26*	
		For >10,000 SF, Deduct	*-0.63*	
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.74	
		For Up To 250 SF, Add	*0.99*	
		For >250 To 500 SF, Add	*0.49*	
		For >500 To 1,000 SF, Add	*0.21*	
		For >5,000 To 10,000 SF, Deduct	*-0.32*	
		For >10,000 SF, Deduct	*-0.78*	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.29	
		For Up To 250 SF, Add	*1.17*	
		For >250 To 500 SF, Add	*0.58*	
		For >500 To 1,000 SF, Add	*0.25*	
		For >5,000 To 10,000 SF, Deduct	*-0.37*	
		For >10,000 SF, Deduct	*-0.92*	
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.86	
		For Up To 250 SF, Add	*1.36*	
		For >250 To 500 SF, Add	*0.68*	
		For >500 To 1,000 SF, Add	*0.29*	
		For >5,000 To 10,000 SF, Deduct	*-0.44*	
		For >10,000 SF, Deduct	*-1.07*	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.42	
		For Up To 250 SF, Add	*1.54*	
		For >250 To 500 SF, Add	*0.77*	
		For >500 To 1,000 SF, Add	*0.33*	
		For >5,000 To 10,000 SF, Deduct	*-0.50*	
		For >10,000 SF, Deduct	*-1.21*	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.98	
		For Up To 250 SF, Add	*1.73*	
		For >250 To 500 SF, Add	*0.86*	
		For >500 To 1,000 SF, Add	*0.37*	
		For >5,000 To 10,000 SF, Deduct	*-0.56*	
		For >10,000 SF, Deduct	*-1.35*	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.54	
		For Up To 250 SF, Add	*1.91*	
		For >250 To 500 SF, Add	*0.95*	
		For >500 To 1,000 SF, Add	*0.41*	
		For >5,000 To 10,000 SF, Deduct	*-0.62*	
		For >10,000 SF, Deduct	*-1.50*	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.10	
		For Up To 250 SF, Add	*2.09*	
		For >250 To 500 SF, Add	*1.05*	
		For >500 To 1,000 SF, Add	*0.45*	
		For >5,000 To 10,000 SF, Deduct	*-0.68*	
		For >10,000 SF, Deduct	*-1.64*	
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.68	
		For Up To 250 SF, Add	*2.29*	
		For >250 To 500 SF, Add	*1.14*	
		For >500 To 1,000 SF, Add	*0.49*	
		For >5,000 To 10,000 SF, Deduct	*-0.74*	
		For >10,000 SF, Deduct	*-1.79*	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	7.24	
		For Up To 250 SF, Add	*2.47*	
		For >250 To 500 SF, Add	*1.24*	
		For >500 To 1,000 SF, Add	*0.53*	
		For >5,000 To 10,000 SF, Deduct	*-0.80*	
		For >10,000 SF, Deduct	*-1.94*	
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.11	
		For Up To 250 SF, Add	*1.17*	
		For >250 To 500 SF, Add	*0.59*	
		For >500 To 1,000 SF, Add	*0.25*	
		For >5,000 To 10,000 SF, Deduct	*-0.37*	
		For >10,000 SF, Deduct	*-0.92*	
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.10	
		For Up To 250 SF, Add	*1.48*	
		For >250 To 500 SF, Add	*0.74*	
		For >500 To 1,000 SF, Add	*0.31*	
		For >5,000 To 10,000 SF, Deduct	*-0.47*	
		For >10,000 SF, Deduct	*-1.16*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.98	
		For Up To 250 SF, Add	*1.73*	
		For >250 To 500 SF, Add	*0.86*	
		For >500 To 1,000 SF, Add	*0.37*	
		For >5,000 To 10,000 SF, Deduct	*-0.56*	
		For >10,000 SF, Deduct	*-1.35*	
07 21 19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.98	
		For Up To 250 SF, Add	*2.03*	
		For >250 To 500 SF, Add	*1.02*	
		For >500 To 1,000 SF, Add	*0.44*	
		For >5,000 To 10,000 SF, Deduct	*-0.66*	
		For >10,000 SF, Deduct	*-1.59*	
07 21 19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.87	
		For Up To 250 SF, Add	*2.29*	
		For >250 To 500 SF, Add	*1.14*	
		For >500 To 1,000 SF, Add	*0.50*	
		For >5,000 To 10,000 SF, Deduct	*-0.74*	
		For >10,000 SF, Deduct	*-1.79*	
07 21 19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.88	
		For Up To 250 SF, Add	*2.60*	
		For >250 To 500 SF, Add	*1.30*	
		For >500 To 1,000 SF, Add	*0.56*	
		For >5,000 To 10,000 SF, Deduct	*-0.85*	
		For >10,000 SF, Deduct	*-2.03*	
07 21 19 00-0020	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.75	
		For Up To 250 SF, Add	*2.85*	
		For >250 To 500 SF, Add	*1.42*	
		For >500 To 1,000 SF, Add	*0.62*	
		For >5,000 To 10,000 SF, Deduct	*-0.93*	
		For >10,000 SF, Deduct	*-2.23*	
07 21 19 00-0021	SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.75	
		For Up To 250 SF, Add	*3.15*	
		For >250 To 500 SF, Add	*1.58*	
		For >500 To 1,000 SF, Add	*0.69*	
		For >5,000 To 10,000 SF, Deduct	*-1.03*	
		For >10,000 SF, Deduct	*-2.47*	
07 21 19 00-0022	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.64	
		For Up To 250 SF, Add	*3.41*	
		For >250 To 500 SF, Add	*1.70*	
		For >500 To 1,000 SF, Add	*0.75*	
		For >5,000 To 10,000 SF, Deduct	*-1.12*	
		For >10,000 SF, Deduct	*-2.66*	
07 21 19 00-0023	SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.64	
		For Up To 250 SF, Add	*3.71*	
		For >250 To 500 SF, Add	*1.86*	
		For >500 To 1,000 SF, Add	*0.81*	
		For >5,000 To 10,000 SF, Deduct	*-1.22*	
		For >10,000 SF, Deduct	*-2.90*	
07 21 19 00-0024	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.52	
		For Up To 250 SF, Add	*3.96*	
		For >250 To 500 SF, Add	*1.98*	
		For >500 To 1,000 SF, Add	*0.87*	
		For >5,000 To 10,000 SF, Deduct	*-1.30*	
		For >10,000 SF, Deduct	*-3.09*	

07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames *(07 21 19)*

07 21 19 00-0026	LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.65	
07 21 19 00-0027	LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	7.04	
07 21 19 00-0028	LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	8.45	
07 21 19 00-0029	LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	9.91	
07 21 19 00-0030	LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame	11.46	

07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames *(07 21 19)*

07 21 19 00-0032	LF	Expanding Foam Insulation To Fill Window Frame	5.54	

07 21 23 Loose-Fill Insulation *(07 21)*

07 21 23 00-0001 Poured Type, Loose Fill Insulation *(07 21 23)*

07 21 23 00-0002	CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	7.54	2.90
07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	8.03	2.90

07 21 23 00-0004 Concrete Block Wall Cavity Insulation *(07 21 23)*

07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	10.59	2.90
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	10.49	2.90

07 21 26 Blown Insulation *(07 21)*

07 21 26 00-0001 Fiberglass Blown-In Insulation *(07 21 26)*

07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*

07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation	1.59	1.26
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.77	1.38
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation	1.97	1.51
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation	2.20	1.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation	2.35	1.70
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation	2.53	1.75
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation	2.74	1.82
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation	2.88	1.89
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation	3.09	2.01
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation	3.26	2.07
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation	3.52	2.14
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	3.82	2.26
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation	4.43	2.51
07 21 26 00-0016		New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.39	1.26
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.20	1.51
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.80	1.63
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.53	1.75
07 21 26 00-0021		Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.26	1.26
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	3.07	1.51
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.67	1.63
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.41	1.75
07 21 26 00-0026		Cellulose Blown-In Insulation *(07 21 26)*		
07 21 26 00-0027		Attic, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.68	1.26
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	2.02	1.38
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.26	1.51
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.64	1.63
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.70	1.63
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	3.15	1.75
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	3.24	1.75
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.56	1.89
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.80	1.89
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	4.10	2.01
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	4.33	2.01
07 21 26 00-0039		New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.28	1.26
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	3.04	1.51
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	3.58	1.63
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	4.25	1.75
07 21 26 00-0044		Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	2.15	1.26
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.92	1.51
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	3.46	1.63
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	4.12	1.75
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		Fiber Sprayed On Insulation *(07 21 29)*		
		Note: Per each 1" of thickness.		
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.74	0.78
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	2.00	0.78
07 21 29 00-0004		Cellulose Sprayed On Insulation *(07 21 29)*		
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	3.94	0.78
07 21 53		**Reflective Insulation** *(07 21)*		
07 21 53 00-0001		Reflective Barrier Insulation (Foil - Single Bubble - Foil) *(07 21 53)*		
07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.23	

07 22 Roof and Deck Insulation *(07 20)*

07 22 16 Roof Board Insulation *(07 22)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001 Rigid Board Roofing Insulation *(07 22 16)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0002		Cold Adhesive Applied Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0003		Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.80	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.25	
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.68	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.48	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	5.28	
07 22 16 00-0009		Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.06	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.55	
07 22 16 00-0012		Cold Adhesive Applied, Perlite, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.70	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.70	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.96	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.27	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.02	
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.51	
07 22 16 00-0019		Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.68	
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.88	
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.29	
07 22 16 00-0023		Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.67	
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.83	
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	10.14	
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	13.25	
07 22 16 00-0028		Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.48	
		For Loose-Laid, Deduct	*-1.35*	
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.55	
		For Loose-Laid, Deduct	*-1.35*	
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.84	
		For Loose-Laid, Deduct	*-1.35*	
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.11	
		For Loose-Laid, Deduct	*-1.35*	
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.25	
		For Loose-Laid, Deduct	*-1.37*	
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.37	
		For Loose-Laid, Deduct	*-1.39*	
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.50	
		For Loose-Laid, Deduct	*-1.40*	
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.62	
		For Loose-Laid, Deduct	*-1.42*	
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.76	
		For Loose-Laid, Deduct	*-1.44*	
07 22 16 00-0038		Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*		
		Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.51	
		For Loose-Laid, Deduct	*-1.38*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.82*	
		For 60 PSI Compressive Strength, Add	*1.32*	
		For 115 PSI Compressive Strength, Add	*5.69*	
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.57	
		For Loose-Laid, Deduct	*-1.38*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.35*	
		For 115 PSI Compressive Strength, Add	*5.82*	
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.50	
		For Loose-Laid, Deduct	*-1.38*	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For 40 PSI Compressive Strength, Add	*1.19*	
		For 60 PSI Compressive Strength, Add	*1.89*	
		For 100 PSI Compressive Strength, Add	*2.42*	
		For 115 PSI Compressive Strength, Add	*8.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.11	
		For Loose-Laid, Deduct	*-1.40*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.41*	
		For 60 PSI Compressive Strength, Add	*2.22*	
		For 115 PSI Compressive Strength, Add	*9.67*	
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.15	
		For Loose-Laid, Deduct	*-1.40*	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.81*	
		For 60 PSI Compressive Strength, Add	*2.83*	
		For 100 PSI Compressive Strength, Add	*3.63*	
		For 115 PSI Compressive Strength, Add	*12.35*	
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.64	
		For Loose-Laid, Deduct	*-1.42*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.98*	
		For 60 PSI Compressive Strength, Add	*3.09*	
		For 115 PSI Compressive Strength, Add	*13.53*	
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.42	
		For Loose-Laid, Deduct	*-1.43*	
		For 25 PSI Compressive Strength, Add	*0.95*	
		For 40 PSI Compressive Strength, Add	*2.26*	
		For 60 PSI Compressive Strength, Add	*3.53*	
		For 115 PSI Compressive Strength, Add	*15.46*	

07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.17	
		For Loose-Laid, Deduct	*-1.38*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.28	
		For Loose-Laid, Deduct	*-1.38*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.19*	
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.47	
		For Loose-Laid, Deduct	*-1.39*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.94	
		For Loose-Laid, Deduct	*-1.40*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.41	
		For Loose-Laid, Deduct	*-1.41*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.89	
		For Loose-Laid, Deduct	*-1.42*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.40	
		For Loose-Laid, Deduct	*-1.43*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.85	
		For Loose-Laid, Deduct	*-1.43*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.44*	

07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.67	

07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.41	
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.60	
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.73	
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.80	

07 22 16 00-0062 Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.34	
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.63	
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.70	

07 22 16 00-0066 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0002)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.

07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.14	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.53	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.78	
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.35	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.59	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.99	
07 22 16 00-0074		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.90	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.41	
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.02	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.42	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.92	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.46	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	9.46	
07 22 16 00-0082		Hot-Mopped Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0083		Hot-Mopped, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.54	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.98	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.43	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.25	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	5.06	
07 22 16 00-0089		Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.80	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	3.29	
07 22 16 00-0092		Hot-Mopped, Perlite, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.42	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.67	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.98	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.73	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	4.21	
07 22 16 00-0098		Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.39	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.58	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	6.02	
07 22 16 00-0102		Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.37	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.54	
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.87	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	12.99	
07 22 16 00-0107		Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.18	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.26	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.41	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.80	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.94	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.09	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.21	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.35	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.47	
07 22 16 00-0117		Hot-Mopped, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		
		Note: 15 PSI compressive strength.		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0118		SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.21	
			For 25 PSI Compressive Strength, Add	*0.28*	
			For 40 PSI Compressive Strength, Add	*0.66*	
			For 60 PSI Compressive Strength, Add	*1.08*	
			For 115 PSI Compressive Strength, Add	*4.59*	
07 22 16 00-0119		SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.29	
			For 25 PSI Compressive Strength, Add	*0.29*	
			For 40 PSI Compressive Strength, Add	*0.68*	
			For 60 PSI Compressive Strength, Add	*1.11*	
			For 115 PSI Compressive Strength, Add	*4.75*	
07 22 16 00-0120		SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.21	
			For 25 PSI Compressive Strength, Add	*0.43*	
			For 40 PSI Compressive Strength, Add	*1.03*	
			For 60 PSI Compressive Strength, Add	*1.65*	
			For 100 PSI Compressive Strength, Add	*2.11*	
			For 115 PSI Compressive Strength, Add	*7.11*	
07 22 16 00-0121		SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.98	
			For 25 PSI Compressive Strength, Add	*0.52*	
			For 40 PSI Compressive Strength, Add	*1.25*	
			For 60 PSI Compressive Strength, Add	*1.99*	
			For 115 PSI Compressive Strength, Add	*8.60*	
07 22 16 00-0122		SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	19.66	
			For 25 PSI Compressive Strength, Add	*0.69*	
			For 40 PSI Compressive Strength, Add	*1.64*	
			For 60 PSI Compressive Strength, Add	*3.27*	
			For 100 PSI Compressive Strength, Add	*4.01*	
			For 115 PSI Compressive Strength, Add	*12.64*	
07 22 16 00-0123		SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.37	
			For 25 PSI Compressive Strength, Add	*0.76*	
			For 40 PSI Compressive Strength, Add	*1.82*	
			For 60 PSI Compressive Strength, Add	*2.85*	
			For 115 PSI Compressive Strength, Add	*12.44*	
07 22 16 00-0124		SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	7.15	
			For 25 PSI Compressive Strength, Add	*0.88*	
			For 40 PSI Compressive Strength, Add	*2.10*	
			For 60 PSI Compressive Strength, Add	*3.29*	
			For 115 PSI Compressive Strength, Add	*14.37*	

07 22 16 00-0125 Hot-Mopped, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0082)*

07 22 16 00-0126		SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.88	
			For Foil Facer, Add	*0.36*	
			For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0127		SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.00	
			For Foil Facer, Add	*0.36*	
			For 25 PSI Compressive Strength, Add	*0.15*	
07 22 16 00-0128		SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.17	
			For Foil Facer, Add	*0.36*	
			For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0129		SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.64	
			For Foil Facer, Add	*0.36*	
			For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0130		SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.14	
			For Foil Facer, Add	*0.36*	
			For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0131		SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.62	
			For Foil Facer, Add	*0.36*	
			For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0132		SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.97	
			For Foil Facer, Add	*0.36*	
			For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0133		SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.58	
			For Foil Facer, Add	*0.36*	
			For 25 PSI Compressive Strength, Add	*0.40*	

07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

07 22 16 00-0135		SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.15	
07 22 16 00-0136		SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.34	
07 22 16 00-0137		SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.47	
07 22 16 00-0138		SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.54	

07 22 16 00-0139 Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

07 22 16 00-0140		SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.08	
07 22 16 00-0141		SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.37	
07 22 16 00-0142		SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.44	

07 22 16 00-0143 Mechanically Fastened Rigid Board Roofing Insulation *(07 22 16 00-0001)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.59	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.12*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.05	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.16*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.48	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.37	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	5.17	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	

07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.85	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	3.35	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	

07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	2.50	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.06*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.76	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.85*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	3.07	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.85*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.91	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.39	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	

07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.48	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.85*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	4.77	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	6.27	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.21*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	

07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.56	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.72	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	10.12	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.21*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	13.39	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.72*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.36*	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.28	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.83*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.35	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.83*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.63	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.83*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.91	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.83*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	4.14	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.36	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.16*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.21*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	6.64	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.00*	
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	7.96	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.72*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	9.64	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.14*	
07 22 16 00-0178		Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*		
		Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.31	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For 40 PSI Compressive Strength, Add	*0.74*	
		For 60 PSI Compressive Strength, Add	*1.20*	
		For 115 PSI Compressive Strength, Add	*5.17*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.85*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.37	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.23*	
		For 115 PSI Compressive Strength, Add	*5.30*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.85*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.39	
		For 25 PSI Compressive Strength, Add	*0.48*	
		For 40 PSI Compressive Strength, Add	*1.15*	
		For 60 PSI Compressive Strength, Add	*1.83*	
		For 100 PSI Compressive Strength, Add	*2.34*	
		For 115 PSI Compressive Strength, Add	*7.92*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.00	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For 40 PSI Compressive Strength, Add	*1.37*	
		For 60 PSI Compressive Strength, Add	*2.16*	
		For 115 PSI Compressive Strength, Add	*9.39*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.14	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.80*	
		For 60 PSI Compressive Strength, Add	*2.82*	
		For 100 PSI Compressive Strength, Add	*3.63*	
		For 115 PSI Compressive Strength, Add	*12.32*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.54*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.66*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.62	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.97*	
		For 60 PSI Compressive Strength, Add	*3.08*	
		For 115 PSI Compressive Strength, Add	*13.48*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.21*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.56	
		For 25 PSI Compressive Strength, Add	*0.98*	
		For 40 PSI Compressive Strength, Add	*2.32*	
		For 60 PSI Compressive Strength, Add	*3.61*	
		For 115 PSI Compressive Strength, Add	*15.82*	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.00*	

07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.96	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.85*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.08	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.85*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.35	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.83	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.39	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.87	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.21*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.54	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.41*	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.37*	
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.99	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.45*	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.00*	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.47	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.12*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.20	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.12*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.40	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.12*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.53	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.12*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.59	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.12*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.14	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.12*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.43	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.12*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.49	
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.12*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.74	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.02	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.47*	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.51	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.66*	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.76	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.21*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.49	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.73	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.00*	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	8.33	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.02*	

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.89	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.38*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.66*	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.39	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.21*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.16	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.58*	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.56	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.00*	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.25	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.96*	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.79	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.96*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	10.08	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.52*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.42*	

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.72	
		For 25 PSI Compressive Strength, Add	*0.37*	
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.83	
		For 25 PSI Compressive Strength, Add	*0.42*	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.50	
		For 25 PSI Compressive Strength, Add	*0.49*	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.16	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.82	
		For 25 PSI Compressive Strength, Add	*0.62*	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.97	
		For 25 PSI Compressive Strength, Add	*0.67*	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.63	
		For 25 PSI Compressive Strength, Add	*0.74*	
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.30	
		For 25 PSI Compressive Strength, Add	*0.81*	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.96	
		For 25 PSI Compressive Strength, Add	*0.87*	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.08	
		For 25 PSI Compressive Strength, Add	*0.92*	

07 22 16 00-0236 Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.39	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.16	
		For 25 PSI Compressive Strength, Add	*0.45*	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.49	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.30	
		For 25 PSI Compressive Strength, Add	*0.71*	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.63	
		For 25 PSI Compressive Strength, Add	*0.84*	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.41	
		For 25 PSI Compressive Strength, Add	*0.95*	

07 22 16 00-0243 Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.83	
		For 25 PSI Compressive Strength, Add	*0.52*	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.96	
		For 25 PSI Compressive Strength, Add	*0.77*	
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	17.08	
		For 25 PSI Compressive Strength, Add	*1.02*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	21.20	
		For 25 PSI Compressive Strength, Add	*1.27*	
07 22 16 00-0248		Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0249		Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.97	
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.13	
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.63	
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.12	
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.62	
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.80	
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.30	
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.80	
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	12.29	
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.46	
07 22 16 00-0260		Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.73	
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.38	
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.37	
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.05	
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	12.05	
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.71	
07 22 16 00-0267		Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.88	
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.55	
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	15.20	
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	19.36	
07 22 16 00-0272		Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0273		Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.57	
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.69	
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.32	
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.95	
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.58	
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.73	
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.37	
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.00	
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.63	
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	15.76	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0284		Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0285	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.26	
07 22 16 00-0286	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.01	
07 22 16 00-0287	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.27	
07 22 16 00-0288	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.05	
07 22 16 00-0289	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.31	
07 22 16 00-0290	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	16.07	
07 22 16 00-0291		Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.64	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.68	
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	16.70	
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	20.73	
07 22 16 00-0296		Cold Adhesive Applied, Tapered Perlite Board *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0297		Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.82	
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.33	
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.62	
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.20	
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.48	
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.01	
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.30	
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.87	
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.16	
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	18.69	
07 22 16 00-0308		Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.17	
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.98	
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.84	
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.66	
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.52	
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.33	
07 22 16 00-0315		Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.27	
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.94	
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	20.62	
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	25.29	
07 22 16 00-0320		Hot-Mopped Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*		
07 22 16 00-0321		Hot-Mopped, Tapered Polyisocyanurate Board *(07 22 16 00-0320)*		
07 22 16 00-0322		Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.29	
		For 25 PSI Compressive Strength, Add	*0.33*	
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.41	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.07	
		For 25 PSI Compressive Strength, Add	*0.41*	
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.35	
		For 25 PSI Compressive Strength, Add	*0.47*	
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.40	
		For 25 PSI Compressive Strength, Add	*0.54*	
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.31	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.98	
		For 25 PSI Compressive Strength, Add	*0.62*	
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.64	
		For 25 PSI Compressive Strength, Add	*0.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	13.30	
		For 25 PSI Compressive Strength, Add	*0.75*	
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	15.21	
		For 25 PSI Compressive Strength, Add	*0.77*	

07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.16	
		For 25 PSI Compressive Strength, Add	*0.29*	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.74	
		For 25 PSI Compressive Strength, Add	*0.37*	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.07	
		For 25 PSI Compressive Strength, Add	*0.51*	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.65	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.97	
		For 25 PSI Compressive Strength, Add	*0.72*	
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	15.54	
		For 25 PSI Compressive Strength, Add	*0.80*	

07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.40	
		For 25 PSI Compressive Strength, Add	*0.44*	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.31	
		For 25 PSI Compressive Strength, Add	*0.65*	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	16.21	
		For 25 PSI Compressive Strength, Add	*0.87*	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	20.12	
		For 25 PSI Compressive Strength, Add	*1.08*	

07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board *(07 22 16 00-0320)*

07 22 16 00-0346 Hot-Mopped, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	6.92
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	8.91
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.20
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.10
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	11.39
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.36
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	14.65
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	14.55
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	15.84
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	17.82

07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	6.28
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	9.55
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	10.75
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	14.00
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	15.20
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	18.46

07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	10.84
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	15.29
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	87.78
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	24.21

07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation *(07 22 16 00-0222)*

Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.

07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*

07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.61	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.15	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.66*	
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.81	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.63	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.89*	
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.30	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.00*	
07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.97	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.63	
		For 25 PSI Compressive Strength, Add	*0.64*	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.58	
		For 25 PSI Compressive Strength, Add	*0.73*	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.24	
		For 25 PSI Compressive Strength, Add	*0.80*	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.00	
		For 25 PSI Compressive Strength, Add	*0.81*	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.28	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.48	
		For 25 PSI Compressive Strength, Add	*0.39*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.66*	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.97	
		For 25 PSI Compressive Strength, Add	*0.53*	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.89*	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.30	
		For 25 PSI Compressive Strength, Add	*0.61*	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.91	
		For 25 PSI Compressive Strength, Add	*0.77*	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.33	
		For 25 PSI Compressive Strength, Add	*0.85*	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.14	
		For 25 PSI Compressive Strength, Add	*0.45*	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.57	
		For 25 PSI Compressive Strength, Add	*0.63*	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	16.00	
		For 25 PSI Compressive Strength, Add	*0.91*	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	20.27	
		For 25 PSI Compressive Strength, Add	*1.18*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.60*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.66*	

07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.86	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.44	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.66*	
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.94	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.60	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.89*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.09	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.00*	
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.80	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.30	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.08	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.58	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.38	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.61	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.69	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.85	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.89*	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.05	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.33	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.63	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.19	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.55	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	14.13	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	18.44	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.60*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.66*	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.46	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.01	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.66*	
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.02	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.43	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.89*	
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.06	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.00*	
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.73	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.36	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.28	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.91	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	14.68	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.14	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.32	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.66*	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.74	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.89*	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.05	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.60	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	14.99	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.95	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.68	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	15.62	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	19.55	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.60*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.66*	

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	7.04	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	8.65	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.66*	
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.94	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.00	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.89*	
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	11.29	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.00*	
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.01	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	14.30	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	14.49	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	15.78	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	17.61	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	

07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	6.39	
		For Mechanically Fastened To Concrete, Add	*1.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.34*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	9.29	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.66*	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	10.65	
		For Mechanically Fastened To Concrete, Add	*2.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.39*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.89*	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	13.65	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	15.14	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.86*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.30*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	18.25	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	10.58	
		For Mechanically Fastened To Concrete, Add	*2.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.69*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.74*	
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	14.94	
		For Mechanically Fastened To Concrete, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.57*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.25*	
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	19.54	
		For Mechanically Fastened To Concrete, Add	*2.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.51*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.21*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.75*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	24.36	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.45*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.60*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.66*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.24*	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.75	
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.77	
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.79	
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.82	
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.84	
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.86	
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.88	
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.90	
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.92	
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.94	
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.96	
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.99	
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	1.01	

07 24 Exterior Insulation and Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation and Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.45	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.19*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.78*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.62*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.04	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.81*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.61	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.99*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.79*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.19	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.08*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.92*	
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.75	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.08*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.92*	
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	7.88	
		For Up To 100, Add	*1.04*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.31*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*3.11*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	5.97	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	6.58	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	8.22	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	8.72	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	

07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	2.91	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.19*	
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	3.36	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.19*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	5.80	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.19*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	7.74	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.19*	

07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes all standard manufacturers' colors.

07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.99	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	5.09	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.80	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	6.44	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	5.81	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	6.44	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	5.19	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	5.85	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	11.51	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0029		**Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	1.49	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	1.52	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0032		**Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.02	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.48	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0035		**Drainage Accessories For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	3.07	
		For Up To 100, Add	*0.61*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	
07 24 13 00-0037		**Starter Tracks For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.44	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.78	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	5.18	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	6.01	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.78	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.18	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.57	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	6.49	
07 24 13 00-0046		**Demolish Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	8.16	
		For Up To 100, Add	*4.08*	
		For >100 To 500, Add	*2.04*	
		For >5,000, Deduct	*-0.82*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	35.89
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex)	33.56
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute)	41.03
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	52.00
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	31.16
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	105.26
07 26 13 00-0007	CLF	4" Wide Self-Adhering Butyl Sealing Tape	155.21
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	221.24
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	303.86
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	81.15

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 Lb./SF	14.54	4.07
		For Up To 50, Add	*5.37*	
		For >50 To 200, Add	*3.05*	
		For >200 To 500, Add	*1.13*	
		For >2,500, Deduct	*-0.73*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 Lb./SF	15.74	4.07
		For Up To 50, Add	*5.86*	
		For >50 To 200, Add	*3.32*	
		For >200 To 500, Add	*1.22*	
		For >2,500, Deduct	*-0.79*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	5.88	2.71
		For Up To 50, Add	*2.85*	
		For >50 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.54*	
		For >2,500, Deduct	*-0.29*	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	10.77	4.07
		For Up To 50, Add	*5.12*	
		For >50 To 200, Add	*2.83*	
		For >200 To 500, Add	*0.98*	
		For >2,500, Deduct	*-0.54*	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	7.17	2.71
		For Up To 50, Add	*3.05*	
		For >50 To 200, Add	*1.70*	
		For >200 To 500, Add	*0.61*	
		For >2,500, Deduct	*-0.36*	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF	11.03	2.71
		For Up To 50, Add	*3.46*	
		For >50 To 200, Add	*2.01*	
		For >200 To 500, Add	*0.78*	
		For >2,500, Deduct	*-0.55*	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets *(07 27 23)*

07 27 23 00-0009	SF	1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.41
07 27 23 00-0010	SF	2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.61
07 27 23 00-0011	SF	3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.68
07 27 23 00-0012	SF	4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.72

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles *(07 31 13)*

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ	200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	339.37	246.97
		For >35 To 75, Deduct	*-11.48*	
		For >75 To 100, Deduct	*-19.39*	
		For >100 To 200, Deduct	*-29.59*	
		For >200, Deduct	*-45.41*	
		For Steep Roof, Over 7 To 12, Add	*71.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0003	SQ	220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	355.96	259.37
		For >35 To 75, Deduct	*-12.02*	
		For >75 To 100, Deduct	*-20.32*	
		For >100 To 200, Deduct	*-31.02*	
		For >200, Deduct	*-47.61*	
		For Steep Roof, Over 7 To 12, Add	*75.45*	
07 31 13 13-0004	SQ	230 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	405.96	272.30
		For >35 To 75, Deduct	*-15.83*	
		For >75 To 100, Deduct	*-25.19*	
		For >100 To 200, Deduct	*-37.71*	
		For >200, Deduct	*-56.43*	
		For Steep Roof, Over 7 To 12, Add	*79.24*	

07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ	245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	424.78	315.28
		For >35 To 75, Deduct	*-13.82*	
		For >75 To 100, Deduct	*-23.75*	
		For >100 To 200, Deduct	*-36.44*	
		For >200, Deduct	*-56.30*	
		For Steep Roof, Over 7 To 12, Add	*91.71*	
07 31 13 13-0007	SQ	240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	442.47	300.18
		For >35 To 75, Deduct	*-16.95*	
		For >75 To 100, Deduct	*-27.16*	
		For >100 To 200, Deduct	*-40.77*	
		For >200, Deduct	*-61.20*	
		For Steep Roof, Over 7 To 12, Add	*87.35*	
07 31 13 13-0008	SQ	265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	480.57	331.04
		For >35 To 75, Deduct	*-17.96*	
		For >75 To 100, Deduct	*-29.07*	
		For >100 To 200, Deduct	*-43.78*	
		For >200, Deduct	*-66.01*	
		For Steep Roof, Over 7 To 12, Add	*96.32*	
07 31 13 13-0009	SQ	235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	456.78	285.90
		For >35 To 75, Deduct	*-19.69*	
		For >75 To 100, Deduct	*-30.12*	
		For >100 To 200, Deduct	*-44.50*	
		For >200, Deduct	*-65.37*	
		For Steep Roof, Over 7 To 12, Add	*83.17*	
07 31 13 13-0010	SQ	300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	518.85	347.61
		For >35 To 75, Deduct	*-20.29*	
		For >75 To 100, Deduct	*-32.25*	
		For >100 To 200, Deduct	*-48.26*	
		For >200, Deduct	*-72.18*	
		For Steep Roof, Over 7 To 12, Add	*101.10*	
07 31 13 13-0011	SQ	300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	548.59	347.61
		For >35 To 75, Deduct	*-23.26*	
		For >75 To 100, Deduct	*-35.82*	
		For >100 To 200, Deduct	*-53.02*	
		For >200, Deduct	*-78.12*	
		For Steep Roof, Over 7 To 12, Add	*101.10*	
07 31 13 13-0012	SQ	355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	599.90	383.19
		For >35 To 75, Deduct	*-25.15*	
		For >75 To 100, Deduct	*-38.89*	
		For >100 To 200, Deduct	*-57.66*	
		For >200, Deduct	*-85.14*	
		For Steep Roof, Over 7 To 12, Add	*111.49*	
07 31 13 13-0013	SQ	340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	591.66	364.99
		For >35 To 75, Deduct	*-26.00*	
		For >75 To 100, Deduct	*-39.49*	
		For >100 To 200, Deduct	*-58.18*	
		For >200, Deduct	*-85.16*	
		For Steep Roof, Over 7 To 12, Add	*106.15*	
07 31 13 13-0014	SQ	300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	585.16	347.61
		For >35 To 75, Deduct	*-26.92*	
		For >75 To 100, Deduct	*-40.20*	
		For >100 To 200, Deduct	*-58.87*	
		For >200, Deduct	*-85.44*	
		For Steep Roof, Over 7 To 12, Add	*101.10*	
07 31 13 13-0015	SQ	355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	679.96	383.19
		For >35 To 75, Deduct	*-33.15*	
		For >75 To 100, Deduct	*-48.50*	
		For >100 To 200, Deduct	*-70.47*	
		For >200, Deduct	*-101.15*	
		For Steep Roof, Over 7 To 12, Add	*111.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0016	SQ	355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	700.81	383.19
		For >35 To 75, Deduct	*-35.24*	
		For >75 To 100, Deduct	*-51.00*	
		For >100 To 200, Deduct	*-73.80*	
		For >200, Deduct	*-105.32*	
		For Steep Roof, Over 7 To 12, Add	*111.49*	
07 31 13 13-0017	SQ	480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	777.87	422.53
		For >35 To 75, Deduct	*-39.38*	
		For >75 To 100, Deduct	*-56.85*	
		For >100 To 200, Deduct	*-82.21*	
		For >200, Deduct	*-117.16*	
		For Steep Roof, Over 7 To 12, Add	*122.92*	
07 31 13 13-0018	SQ	425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	763.17	402.32
		For >35 To 75, Deduct	*-39.74*	
		For >75 To 100, Deduct	*-56.83*	
		For >100 To 200, Deduct	*-81.87*	
		For >200, Deduct	*-116.05*	
		For Steep Roof, Over 7 To 12, Add	*117.06*	

07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

07 31 13 13-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	9.63	1.48
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles	4.88	3.68
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles	5.82	4.09
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles	114.52	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	808.93	237.27
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	1,056.67	259.32
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	14.09	3.41
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	14.63	3.41
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section, 0.020" Thick	10.01	3.41
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section, 0.030" Thick	11.10	3.41

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	649.86	207.22
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-9.41*	
		For >75 To 100, Deduct	*-26.84*	
		For >100 To 200, Deduct	*-46.61*	
		For >200, Deduct	*-64.04*	
		For Steep Roof, Over 7 To 12, Add	*132.64*	
07 31 16 00-0010	SQ	26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	626.95	205.56
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-8.64*	
		For >75 To 100, Deduct	*-25.39*	
		For >100 To 200, Deduct	*-44.31*	
		For >200, Deduct	*-61.06*	
		For Steep Roof, Over 7 To 12, Add	*131.51*	
07 31 16 00-0011	SQ	24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	992.99	207.22
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-23.14*	
		For >75 To 100, Deduct	*-50.86*	
		For >100 To 200, Deduct	*-84.36*	
		For >200, Deduct	*-112.08*	
		For Steep Roof, Over 7 To 12, Add	*132.64*	
07 31 16 00-0012	SQ	26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	918.14	205.56
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-20.29*	
		For >75 To 100, Deduct	*-45.78*	
		For >100 To 200, Deduct	*-76.34*	
		For >200, Deduct	*-101.83*	
		For Steep Roof, Over 7 To 12, Add	*131.51*	
07 31 16 00-0013	LF	Galvanized Steel Shingles, Ridge Or Valley	10.38	2.76
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.20*	
		For >75 To 100, Deduct	*-0.48*	
		For >100 To 200, Deduct	*-0.82*	
		For >200, Deduct	*-1.10*	
		For Steep Roof, Over 7 To 12, Add	*1.73*	

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 Lb. felt and fasteners.

07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails *(07 31 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	1,330.79	353.42
		For >50 To 75, Deduct	*-21.82*	
		For >75 To 100, Deduct	*-57.82*	
		For >100 To 200, Deduct	*-99.27*	
		For >200, Deduct	*-135.26*	
		For Graduated Shapes, Add	*81.82*	
		For Steep Roof, Over 7 To 12, Add	*251.30*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,477.97	353.42
		For >50 To 75, Deduct	*-27.71*	
		For >75 To 100, Deduct	*-68.12*	
		For >100 To 200, Deduct	*-115.46*	
		For >200, Deduct	*-155.87*	
		For Graduated Shapes, Add	*103.90*	
		For Steep Roof, Over 7 To 12, Add	*251.30*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,433.81	353.42
		For >50 To 75, Deduct	*-25.94*	
		For >75 To 100, Deduct	*-65.03*	
		For >100 To 200, Deduct	*-110.60*	
		For >200, Deduct	*-149.69*	
		For Graduated Shapes, Add	*97.27*	
		For Steep Roof, Over 7 To 12, Add	*251.30*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,448.53	353.42
		For >50 To 75, Deduct	*-26.53*	
		For >75 To 100, Deduct	*-66.06*	
		For >100 To 200, Deduct	*-112.22*	
		For >200, Deduct	*-151.75*	
		For Graduated Shapes, Add	*99.48*	
		For Steep Roof, Over 7 To 12, Add	*251.30*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,507.40	353.42
		For >50 To 75, Deduct	*-28.88*	
		For >75 To 100, Deduct	*-70.18*	
		For >100 To 200, Deduct	*-118.69*	
		For >200, Deduct	*-159.99*	
		For Graduated Shapes, Add	*108.31*	
		For Steep Roof, Over 7 To 12, Add	*251.30*	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,433.81	353.42
		For >50 To 75, Deduct	*-25.94*	
		For >75 To 100, Deduct	*-65.03*	
		For >100 To 200, Deduct	*-110.60*	
		For >200, Deduct	*-149.69*	
		For Graduated Shapes, Add	*97.27*	
		For Steep Roof, Over 7 To 12, Add	*251.30*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,389.66	353.42
		For >50 To 75, Deduct	*-24.17*	
		For >75 To 100, Deduct	*-61.94*	
		For >100 To 200, Deduct	*-105.74*	
		For >200, Deduct	*-143.51*	
		For Graduated Shapes, Add	*90.65*	
		For Steep Roof, Over 7 To 12, Add	*251.30*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,309.33	353.42
		For >50 To 75, Deduct	*-60.96*	
		For >75 To 100, Deduct	*-126.31*	
		For >100 To 200, Deduct	*-206.91*	
		For >200, Deduct	*-272.26*	
		For Graduated Shapes, Add	*228.60*	
		For Steep Roof, Over 7 To 12, Add	*251.30*	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,433.81	353.42
		For >50 To 75, Deduct	*-25.94*	
		For >75 To 100, Deduct	*-65.03*	
		For >100 To 200, Deduct	*-110.60*	
		For >200, Deduct	*-149.69*	
		For Graduated Shapes, Add	*97.27*	
		For Steep Roof, Over 7 To 12, Add	*251.30*	

07 31 29 Wood Shingles and Shakes *(07 31)*

07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	1,036.42	271.20
		For Steep Roof, Over 7 To 12, Add	*173.57*	
		For Pressure-Impregnated Treated (Preservative), Add	*74.10*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	752.63	203.40
		For Steep Roof, Over 7 To 12, Add	*130.18*	
		For Pressure-Impregnated Treated (Preservative), Add	*51.87*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	918.00	230.52
		For Steep Roof, Over 7 To 12, Add	*147.54*	
		For Pressure-Impregnated Treated (Preservative), Add	*68.54*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	752.10	189.84
		For Steep Roof, Over 7 To 12, Add	*121.50*	
		For Pressure-Impregnated Treated (Preservative), Add	*55.86*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	981.85	179.67
		For Steep Roof, Over 7 To 12, Add	*114.99*	
		For Pressure-Impregnated Treated (Preservative), Add	*93.38*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	762.64	152.55
		For Steep Roof, Over 7 To 12, Add	*97.63*	
		For Pressure-Impregnated Treated (Preservative), Add	*68.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0009		**#1 Grade, Red Cedar Shingles Installed On Walls** *(07 31 29 13-0001)*		
07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	735.17	244.08
		For Pressure-Impregnated Treated (Preservative), Add	*37.05*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	717.89	230.52
		For Pressure-Impregnated Treated (Preservative), Add	*38.53*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	726.84	200.02
		For Pressure-Impregnated Treated (Preservative), Add	*49.02*	
07 31 29 13-0013		**#2 Grade, Red Cedar Shingles** *(07 31 29 13)*		
07 31 29 13-0014		**#2 Grade, Red Cedar Shingles Installed On Roofs** *(07 31 29 13-0013)*		
07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	968.54	284.76
		For Steep Roof, Over 7 To 12, Add	*182.25*	
		For Pressure-Impregnated Treated (Preservative), Add	*59.85*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	864.42	257.64
		For Steep Roof, Over 7 To 12, Add	*164.89*	
		For Pressure-Impregnated Treated (Preservative), Add	*52.37*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	918.89	257.64
		For Steep Roof, Over 7 To 12, Add	*164.89*	
		For Pressure-Impregnated Treated (Preservative), Add	*60.54*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	820.09	230.52
		For Steep Roof, Over 7 To 12, Add	*147.54*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.86*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	793.65	179.67
		For Steep Roof, Over 7 To 12, Add	*114.99*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.15*	
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	650.16	155.94
		For Steep Roof, Over 7 To 12, Add	*99.80*	
		For Pressure-Impregnated Treated (Preservative), Add	*50.74*	
07 31 29 13-0021		**#2 Grade, Red Cedar Shingles Installed On Walls** *(07 31 29 13-0013)*		
07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	714.79	257.64
		For Pressure-Impregnated Treated (Preservative), Add	*29.93*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	689.96	244.08
		For Pressure-Impregnated Treated (Preservative), Add	*30.27*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	661.93	216.97
		For Pressure-Impregnated Treated (Preservative), Add	*34.20*	
07 31 29 16		**Wood Shakes** *(07 31 29)*		
07 31 29 16-0001		**#1 Grade, Red Cedar Shakes** *(07 31 29 16)*		
07 31 29 16-0002		**#1 Grade, Red Cedar Shakes Installed On Roofs** *(07 31 29 16-0001)*		
07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	759.93	220.35
		For Steep Roof, Over 7 To 12, Add	*141.03*	
		For Pressure-Impregnated Treated (Preservative), Add	*47.88*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	866.33	220.35
		For Steep Roof, Over 7 To 12, Add	*141.03*	
		For Pressure-Impregnated Treated (Preservative), Add	*63.84*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	798.26	179.67
		For Steep Roof, Over 7 To 12, Add	*114.99*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.84*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	843.48	179.67
		For Steep Roof, Over 7 To 12, Add	*114.99*	
		For Pressure-Impregnated Treated (Preservative), Add	*72.62*	
07 31 29 16-0007		**#1 Grade, Red Cedar Shakes Installed On Walls** *(07 31 29 16-0001)*		
07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	793.82	237.30
		For Pressure-Impregnated Treated (Preservative), Add	*47.88*	
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	900.22	237.30
		For Pressure-Impregnated Treated (Preservative), Add	*63.84*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	845.73	203.40
		For Pressure-Impregnated Treated (Preservative), Add	*65.84*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	890.95	203.40
		For Pressure-Impregnated Treated (Preservative), Add	*72.62*	
07 31 29 19		**Wood Shingles And Shakes Cap** *(07 31 29)*		
07 31 29 19-0001		**Wood Hip And Ridge Cap For Wood Shingles Or Shakes** *(07 31 29 19)*		
07 31 29 19-0002	LF	Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes	12.53	1.76
		For Steep Roof, Over 7 To 12, Add	*1.32*	
		For Pressure-Impregnated Treated (Preservative) Ridge, Add	*1.26*	
07 31 33		**Composite Rubber Shingles** *(07 31)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0001	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black.	1,507.39	317.96
		For Purple Or Green Color, Add	*139.45*	
		For Brown Or Red Color, Add	*357.33*	
		For Steep Roof, Over 7 To 12, Add	*203.47*	
		For >50 To 75, Deduct	*-21.79*	
		For >75 To 100, Deduct	*-59.47*	
		For >100 To 200, Deduct	*-97.16*	
		For >200, Deduct	*-150.74*	
07 31 33 00-0002	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black.	2,088.42	317.96
		For Purple, Green, Brown Or Red, Add	*217.89*	
		For Steep Roof, Over 7 To 12, Add	*203.47*	
		For >50 To 75, Deduct	*-36.31*	
		For >75 To 100, Deduct	*-88.52*	
		For >100 To 200, Deduct	*-140.74*	
		For >200, Deduct	*-208.84*	
07 31 33 00-0003	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	1,746.64	317.96
		For Purple, Green, Brown Or Red, Add	*399.88*	
		For Steep Roof, Over 7 To 12, Add	*203.47*	
		For >50 To 75, Deduct	*-27.77*	
		For >75 To 100, Deduct	*-71.44*	
		For >100 To 200, Deduct	*-115.10*	
		For >200, Deduct	*-174.66*	
07 31 33 00-0004	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	2,208.05	317.96
		For Purple, Green, Brown Or Red, Add	*172.94*	
		For Steep Roof, Over 7 To 12, Add	*203.47*	
		For >50 To 75, Deduct	*-39.31*	
		For >75 To 100, Deduct	*-94.51*	
		For >100 To 200, Deduct	*-149.71*	
		For >200, Deduct	*-220.81*	
07 31 33 00-0005	LF	Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	17.02	2.14

07 32 Roof Tiles *(07 30)*

07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,462.73	335.18
		For >25 To 50, Deduct	*-47.54*	
		For >50 To 75, Deduct	*-95.99*	
		For >75 To 100, Deduct	*-136.52*	
		For >100 To 200, Deduct	*-169.13*	
		For >200, Deduct	*-193.81*	
		For 20 Year Warranty, Add	*55.46*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,716.71	335.18
		For >25 To 50, Deduct	*-62.78*	
		For >50 To 75, Deduct	*-121.39*	
		For >75 To 100, Deduct	*-169.54*	
		For >100 To 200, Deduct	*-207.22*	
		For >200, Deduct	*-234.45*	
		For 20 Year Warranty, Add	*73.24*	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,716.71	335.18
		For >25 To 50, Deduct	*-62.78*	
		For >50 To 75, Deduct	*-121.39*	
		For >75 To 100, Deduct	*-169.54*	
		For >100 To 200, Deduct	*-207.22*	
		For >200, Deduct	*-234.45*	
		For 20 Year Warranty, Add	*73.24*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,932.22	335.18
		For >25 To 50, Deduct	*-75.71*	
		For >50 To 75, Deduct	*-142.94*	
		For >75 To 100, Deduct	*-197.55*	
		For >100 To 200, Deduct	*-239.55*	
		For >200, Deduct	*-268.93*	
		For 20 Year Warranty, Add	*88.32*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,748.45	409.82
		For >25 To 50, Deduct	*-55.73*	
		For >50 To 75, Deduct	*-113.38*	
		For >75 To 100, Deduct	*-161.73*	
		For >100 To 200, Deduct	*-200.80*	
		For >200, Deduct	*-230.58*	
		For 20 Year Warranty, Add	*65.02*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	2,127.55	409.82
		For >25 To 50, Deduct	*-78.48*	
		For >50 To 75, Deduct	*-151.29*	
		For >75 To 100, Deduct	*-211.01*	
		For >100 To 200, Deduct	*-257.66*	
		For >200, Deduct	*-291.23*	
		For 20 Year Warranty, Add	*91.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,728.90	552.87
		For >25 To 50, Deduct	*-97.41*	
		For >50 To 75, Deduct	*-189.99*	
		For >75 To 100, Deduct	*-266.33*	
		For >100 To 200, Deduct	*-326.43*	
		For >200, Deduct	*-370.30*	
		For 20 Year Warranty, Add	*113.65*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,558.77	409.82
		For >25 To 50, Deduct	*-44.35*	
		For >50 To 75, Deduct	*-94.41*	
		For >75 To 100, Deduct	*-137.07*	
		For >100 To 200, Deduct	*-172.35*	
		For >200, Deduct	*-200.23*	
		For 20 Year Warranty, Add	*51.74*	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,865.87	409.82
		For >25 To 50, Deduct	*-62.78*	
		For >50 To 75, Deduct	*-125.12*	
		For >75 To 100, Deduct	*-177.00*	
		For >100 To 200, Deduct	*-218.41*	
		For >200, Deduct	*-249.36*	
		For 20 Year Warranty, Add	*73.24*	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,313.68	306.84
		For >25 To 50, Deduct	*-42.00*	
		For >50 To 75, Deduct	*-85.34*	
		For >75 To 100, Deduct	*-121.68*	
		For >100 To 200, Deduct	*-151.02*	
		For >200, Deduct	*-173.36*	
		For 20 Year Warranty, Add	*49.00*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,644.63	306.84
		For >25 To 50, Deduct	*-61.85*	
		For >50 To 75, Deduct	*-118.43*	
		For >75 To 100, Deduct	*-164.70*	
		For >100 To 200, Deduct	*-200.66*	
		For >200, Deduct	*-226.32*	
		For 20 Year Warranty, Add	*72.16*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,929.40	306.84
		For >25 To 50, Deduct	*-78.94*	
		For >50 To 75, Deduct	*-146.91*	
		For >75 To 100, Deduct	*-201.72*	
		For >100 To 200, Deduct	*-243.38*	
		For >200, Deduct	*-271.88*	
		For 20 Year Warranty, Add	*92.10*	
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,393.08	480.99
		For >25 To 50, Deduct	*-85.87*	
		For >50 To 75, Deduct	*-167.16*	
		For >75 To 100, Deduct	*-234.14*	
		For >100 To 200, Deduct	*-286.81*	
		For >200, Deduct	*-325.17*	
		For 20 Year Warranty, Add	*100.18*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	1,131.78	335.18
		For >25 To 50, Deduct	*-27.68*	
		For >50 To 75, Deduct	*-62.90*	
		For >75 To 100, Deduct	*-93.50*	
		For >100 To 200, Deduct	*-119.48*	
		For >200, Deduct	*-140.86*	
		For 20 Year Warranty, Add	*32.29*	
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,527.22	480.99
		For >25 To 50, Deduct	*-33.91*	
		For >50 To 75, Deduct	*-80.57*	
		For >75 To 100, Deduct	*-121.58*	
		For >100 To 200, Deduct	*-156.93*	
		For >200, Deduct	*-186.64*	
		For 20 Year Warranty, Add	*39.57*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 Lb. felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated	1,316.63	508.09
		For >50 To 75, Deduct	*-12.01*	
		For >75 To 100, Deduct	*-46.43*	
		For >100 To 200, Deduct	*-83.85*	
		For >200, Deduct	*-118.27*	
		For Steep Roof, Over 7 To 12, Add	*325.22*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	1,616.63	508.09
		For >50 To 75, Deduct	*-24.01*	
		For >75 To 100, Deduct	*-67.43*	
		For >100 To 200, Deduct	*-116.85*	
		For >200, Deduct	*-160.27*	
		For Steep Roof, Over 7 To 12, Add	*325.22*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	1,376.63	508.09
		For >50 To 75, Deduct	*-14.41*	
		For >75 To 100, Deduct	*-50.63*	
		For >100 To 200, Deduct	*-90.45*	
		For >200, Deduct	*-126.67*	
		For Steep Roof, Over 7 To 12, Add	*325.22*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	1,284.66	454.59
			For >50 To 75, Deduct	*-15.01*	
			For >75 To 100, Deduct	*-49.01*	
			For >100 To 200, Deduct	*-86.75*	
			For >200, Deduct	*-120.75*	
			For Steep Roof, Over 7 To 12, Add	*290.99*	

07 32 16 00-0006 Accessories *(07 32 16)*

	07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	5.07	
	07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	3.33	
	07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	5.03	
	07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	5.77	
	07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	6.00	

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

	07 34 00 00-0002	SQ	15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	43.08	10.24
			For Steep Roof, Over 7 To 12, Add	*6.56*	
			For >50 To 75, Deduct	*-0.90*	
			For >75 To 100, Deduct	*-2.09*	
			For >100 To 200, Deduct	*-3.51*	
			For >200, Deduct	*-5.21*	
	07 34 00 00-0003	SQ	30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	65.93	14.09
			For Steep Roof, Over 7 To 12, Add	*9.02*	
			For >50 To 75, Deduct	*-1.51*	
			For >75 To 100, Deduct	*-3.35*	
			For >100 To 200, Deduct	*-5.56*	
			For >200, Deduct	*-8.10*	
	07 34 00 00-0004	SQ	30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	73.04	14.09
			For Steep Roof, Over 7 To 12, Add	*9.02*	
			For >50 To 75, Deduct	*-1.79*	
			For >75 To 100, Deduct	*-3.84*	
			For >100 To 200, Deduct	*-6.34*	
			For >200, Deduct	*-9.10*	
	07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	83.01	21.35
			For Steep Roof, Over 7 To 12, Add	*13.66*	
			For >50 To 75, Deduct	*-1.61*	
			For >75 To 100, Deduct	*-3.89*	
			For >100 To 200, Deduct	*-6.57*	
			For >200, Deduct	*-9.91*	
	07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	91.42	21.35
			For Steep Roof, Over 7 To 12, Add	*13.66*	
			For >50 To 75, Deduct	*-1.95*	
			For >75 To 100, Deduct	*-4.48*	
			For >100 To 200, Deduct	*-7.49*	
			For >200, Deduct	*-11.09*	
	07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	105.29	21.35
			For Steep Roof, Over 7 To 12, Add	*13.66*	
			For >50 To 75, Deduct	*-2.50*	
			For >75 To 100, Deduct	*-5.45*	
			For >100 To 200, Deduct	*-9.02*	
			For >200, Deduct	*-13.03*	
	07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	98.36	21.35
			For Steep Roof, Over 7 To 12, Add	*13.66*	
			For >50 To 75, Deduct	*-2.23*	
			For >75 To 100, Deduct	*-4.96*	
			For >100 To 200, Deduct	*-8.26*	
			For >200, Deduct	*-12.06*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

	07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	166.89	25.90
			For Steep Roof, Over 7 To 12, Add	*16.57*	
			For >50 To 75, Deduct	*-4.60*	
			For >75 To 100, Deduct	*-9.35*	
			For >100 To 200, Deduct	*-15.25*	
			For >200, Deduct	*-21.29*	
	07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	247.30	25.90
			For Steep Roof, Over 7 To 12, Add	*16.57*	
			For >50 To 75, Deduct	*-7.82*	
			For >75 To 100, Deduct	*-14.98*	
			For >100 To 200, Deduct	*-24.10*	
			For >200, Deduct	*-32.55*	
	07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	176.83	25.90
			For Steep Roof, Over 7 To 12, Add	*16.57*	
			For >50 To 75, Deduct	*-5.00*	
			For >75 To 100, Deduct	*-10.05*	
			For >100 To 200, Deduct	*-16.35*	
			For >200, Deduct	*-22.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	166.89	25.90
		For Steep Roof, Over 7 To 12, Add	*16.57*	
		For >50 To 75, Deduct	*-4.60*	
		For >75 To 100, Deduct	*-9.35*	
		For >100 To 200, Deduct	*-15.25*	
		For >200, Deduct	*-21.29*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	235.70	25.90
		For Steep Roof, Over 7 To 12, Add	*16.57*	
		For >50 To 75, Deduct	*-7.36*	
		For >75 To 100, Deduct	*-14.17*	
		For >100 To 200, Deduct	*-22.82*	
		For >200, Deduct	*-30.93*	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	199.36	25.90
		For Steep Roof, Over 7 To 12, Add	*16.57*	
		For >50 To 75, Deduct	*-5.90*	
		For >75 To 100, Deduct	*-11.63*	
		For >100 To 200, Deduct	*-18.82*	
		For >200, Deduct	*-25.84*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	292.99	25.90
		For Steep Roof, Over 7 To 12, Add	*16.57*	
		For >50 To 75, Deduct	*-9.65*	
		For >75 To 100, Deduct	*-18.18*	
		For >100 To 200, Deduct	*-29.12*	
		For >200, Deduct	*-38.95*	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	334.00	25.90
		For Steep Roof, Over 7 To 12, Add	*16.57*	
		For >50 To 75, Deduct	*-11.29*	
		For >75 To 100, Deduct	*-21.05*	
		For >100 To 200, Deduct	*-33.63*	
		For >200, Deduct	*-44.69*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	487.87	25.90
		For Steep Roof, Over 7 To 12, Add	*16.57*	
		For >50 To 75, Deduct	*-17.44*	
		For >75 To 100, Deduct	*-31.82*	
		For >100 To 200, Deduct	*-50.56*	
		For >200, Deduct	*-66.23*	

07 40 Roofing and Siding Panels *(07)*

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.49	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.02	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.70	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.37	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.10	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.87	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.78	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories *(07 41 13 00-0002)*

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	28.85	3.14
		For Steep Roof, Over 7 To 12, Add	*4.06*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.62*	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing	18.04	2.06
		For Steep Roof, Over 7 To 12, Add	*2.71*	
		For Fluoropolymer (Kynar®) Coating, Add	*0.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing	35.19	3.14
		For Steep Roof, Over 7 To 12, Add	*4.06*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.25*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	29.42	3.14
		For Steep Roof, Over 7 To 12, Add	*4.06*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.67*	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels *(07 41 13 00-0016)*

07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	7.26	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	7.65	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	8.59	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	9.83	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	11.08	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	12.64	3.02
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
		For Steep Roof, Over 7 To 12, Add	*1.55*	

07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories *(07 41 13 00-0016)*

07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing	32.74	3.14
		For Steep Roof, Over 7 To 12, Add	*4.06*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.00*	
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing	20.29	2.18
		For Steep Roof, Over 7 To 12, Add	*2.71*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.18*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing	40.66	3.14
		For Steep Roof, Over 7 To 12, Add	*4.06*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.80*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing	33.46	3.14
		For Steep Roof, Over 7 To 12, Add	*4.06*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.08*	

07 41 13 00-0029 Standing Seam Roofs *(07 41 13)*

Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.

07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.

07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0030)*

07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.77	3.21
		For Steep Roof, Over 6 To 12, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.79*	
		For Panels <16" Wide, Add	*1.87*	
		For Up To 1,500, Add	*3.44*	
		For >1,500 To 5,000, Add	*2.07*	
		For >5,000 To 10,000, Add	*0.34*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.46	3.21
		For Steep Roof, Over 6 To 12, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.80*	
		For Panels <16" Wide, Add	*1.91*	
		For Up To 1,500, Add	*3.62*	
		For >1,500 To 5,000, Add	*2.17*	
		For >5,000 To 10,000, Add	*0.36*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.16	3.21
		For Steep Roof, Over 6 To 12, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.78*	
		For Panels <16" Wide, Add	*1.84*	
		For Up To 1,500, Add	*3.29*	
		For >1,500 To 5,000, Add	*1.97*	
		For >5,000 To 10,000, Add	*0.33*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.40	3.21
		For Steep Roof, Over 6 To 12, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.78*	
		For Panels <16" Wide, Add	*1.86*	
		For Up To 1,500, Add	*3.35*	
		For >1,500 To 5,000, Add	*2.01*	
		For >5,000 To 10,000, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.68	3.21
		For Steep Roof, Over 6 To 12, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.79*	
		For Panels <16" Wide, Add	*1.87*	
		For Up To 1,500, Add	*3.42*	
		For >1,500 To 5,000, Add	*2.05*	
		For >5,000 To 10,000, Add	*0.34*	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.68	3.21
		For Steep Roof, Over 6 To 12, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.81*	
		For Panels <16" Wide, Add	*1.92*	
		For Up To 1,500, Add	*3.67*	
		For >1,500 To 5,000, Add	*2.20*	
		For >5,000 To 10,000, Add	*0.37*	
07 41 13 00-0038		**Accessories For Galvanized Steel Standing Seam Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.46	3.14
		For Steep Roof, Over 6 To 12, Add	*3.81*	
		For 140 MPH Wind Load, Add	*1.63*	
07 41 13 00-0040	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	19.00	2.18
		For Steep Roof, Over 6 To 12, Add	*2.54*	
		For 140 MPH Wind Load, Add	*1.06*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	37.44	3.14
		For Steep Roof, Over 6 To 12, Add	*3.81*	
		For 140 MPH Wind Load, Add	*1.76*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	31.10	3.14
		For Steep Roof, Over 6 To 12, Add	*3.81*	
		For 140 MPH Wind Load, Add	*1.64*	
07 41 13 00-0043		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
		Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.25	3.21
		For Steep Roof, Over 6 To 12, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.80*	
		For Panels <16" Wide, Add	*1.90*	
		For Up To 1,500, Add	*3.56*	
		For >1,500 To 5,000, Add	*2.14*	
		For >5,000 To 10,000, Add	*0.36*	
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.84	3.21
		For Steep Roof, Over 6 To 12, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.81*	
		For Panels <16" Wide, Add	*1.93*	
		For Up To 1,500, Add	*3.71*	
		For >1,500 To 5,000, Add	*2.23*	
		For >5,000 To 10,000, Add	*0.37*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.92	3.21
		For Steep Roof, Over 6 To 12, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.79*	
		For Panels <16" Wide, Add	*1.88*	
		For Up To 1,500, Add	*3.48*	
		For >1,500 To 5,000, Add	*2.09*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.00	3.21
		For Steep Roof, Over 6 To 12, Add	*1.92*	
		For 140 MPH Wind Load, Add	*0.81*	
		For Panels <16" Wide, Add	*1.94*	
		For Up To 1,500, Add	*3.75*	
		For >1,500 To 5,000, Add	*2.25*	
		For >5,000 To 10,000, Add	*0.38*	
07 41 13 00-0049		**Accessories For Aluminum Standing Seam Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	34.74	3.14
		For Steep Roof, Over 6 To 12, Add	*3.81*	
		For 140 MPH Wind Load, Add	*1.71*	
07 41 13 00-0051	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	21.47	2.18
		For Steep Roof, Over 6 To 12, Add	*2.54*	
		For 140 MPH Wind Load, Add	*1.11*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	43.46	3.14
		For Steep Roof, Over 6 To 12, Add	*3.81*	
		For 140 MPH Wind Load, Add	*1.89*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	35.54	3.14
		For Steep Roof, Over 6 To 12, Add	*3.81*	
		For 140 MPH Wind Load, Add	*1.73*	
07 41 13 00-0054		**Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
07 41 13 00-0055		**Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0054)*		
07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	26.55	3.85
		For Steep Roof, Over 6 To 12, Add	*2.89*	
		For 140 MPH Wind Load, Add	*1.30*	
		For Panels <16" Wide, Add	*3.11*	
		For Up To 1,500, Add	*6.64*	
		For >1,500 To 5,000, Add	*3.98*	
		For >5,000 To 10,000, Add	*0.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	30.15	3.85
		For Steep Roof, Over 6 To 12, Add	*2.89*	
		For 140 MPH Wind Load, Add	*1.37*	
		For Panels <16" Wide, Add	*3.29*	
		For Up To 1,500, Add	*7.54*	
		For >1,500 To 5,000, Add	*4.52*	
		For >5,000 To 10,000, Add	*0.75*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	34.42	3.85
		For Steep Roof, Over 6 To 12, Add	*2.89*	
		For 140 MPH Wind Load, Add	*1.46*	
		For Panels <16" Wide, Add	*3.50*	
		For Up To 1,500, Add	*8.61*	
		For >1,500 To 5,000, Add	*5.16*	
		For >5,000 To 10,000, Add	*0.86*	
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	39.90	3.85
		For Steep Roof, Over 6 To 12, Add	*2.89*	
		For 140 MPH Wind Load, Add	*1.57*	
		For Panels <16" Wide, Add	*3.77*	
		For Up To 1,500, Add	*9.98*	
		For >1,500 To 5,000, Add	*5.99*	
		For >5,000 To 10,000, Add	*1.00*	

07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*

07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	80.15	3.51
		For Steep Roof, Over 6 To 12, Add	*4.21*	
		For 140 MPH Wind Load, Add	*2.73*	
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	43.41	2.30
		For Steep Roof, Over 6 To 12, Add	*2.79*	
		For 140 MPH Wind Load, Add	*1.61*	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	110.30	3.51
		For Steep Roof, Over 6 To 12, Add	*4.17*	
		For 140 MPH Wind Load, Add	*3.32*	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	82.54	3.51
		For Steep Roof, Over 6 To 12, Add	*4.21*	
		For 140 MPH Wind Load, Add	*2.77*	

07 41 13 00-0065 Metal Roof Surfacing *(07 41 13)*

07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.85	
		For Steep Roof, Over 7 To 12, Add	*0.18*	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume.	1.10	
		For Steep Roof, Over 7 To 12, Add	*0.18*	

07 41 16 Insulated Metal Roof Panels *(07 41)*

07 41 16 00-0001 Standing Seam Polyurethane Insulated Metal Roof Panels *(07 41 16)*

07 41 16 00-0002 Standing Seam Polyurethane Insulated Metal Roof Panel *(07 41 16 00-0001)*

Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.

07 41 16 00-0003	SF	2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	27.40	4.56
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0004	SF	2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	30.16	4.93
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0005	SF	3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	32.04	5.36
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0006	SF	4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	33.55	5.66
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0007	SF	5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	35.16	5.96
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0008	SF	6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	36.49	6.26
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

07 41 33 Plastic Roof Panels *(07 41)*

07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*

07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*

07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	7.67	2.86
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	7.23	2.57
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	7.89	2.86
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	7.41	2.57

07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*

07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	4.87	2.15
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	6.50	2.15
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	6.97	2.15

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	5.70	2.15

07 41 33 00-0012 Fiberglass Roofing Panel *(07 41 33)*

07 41 33 00-0013 Corrugated Panels *(07 41 33 00-0012)*

07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	8.50	2.29
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	9.77	2.29

07 42 Wall Panels *(07 40)*

07 42 13 Metal Wall Panels *(07 42)*

07 42 13 19 Insulated Metal Wall Panels *(07 42 13)*

07 42 13 19-0001 Insulated Panels For Sash/Window Replacement *(07 42 13 19)*

Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	41.20	5.43
		For Non-Insulated Panels, Deduct	*-7.57*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	44.44	6.10
		For Non-Insulated Panels, Deduct	*-8.09*	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	47.47	6.78
		For Non-Insulated Panels, Deduct	*-8.61*	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	50.65	7.05
		For Non-Insulated Panels, Deduct	*-9.13*	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	57.84	7.73
		For Non-Insulated Panels, Deduct	*-10.61*	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	67.86	8.55
		For Non-Insulated Panels, Deduct	*-12.73*	

07 42 13 23 Metal Composite Material Wall Panels *(07 42 13)*

07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)*

Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.

07 42 13 23-0002	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	23.94	2.78
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0003	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	26.85	3.14
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0004	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	29.31	3.57
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0005	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	32.64	4.72
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

07 42 63 Fabricated Wall Panel Assemblies *(07 42)*

07 42 63 00-0001 Insulated Freezer And Chiller Panels *(07 42 63)*

Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel *(07 42 63 00-0001)*

Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	26.06	2.03
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	27.64	2.03
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	33.00	2.03
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	35.74	2.16
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	37.98	2.16
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	23.38	1.67
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	25.48	1.67
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	30.81	1.79
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	29.86	1.79
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	35.21	1.79

07 42 63 00-0013 Polyurethane Sandwich Panel *(07 42 63 00-0001)*

Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	25.42	2.03
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	27.36	2.03
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	32.33	2.03
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	35.37	2.16
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	37.45	2.16
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	22.89	1.67
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	24.84	1.67
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	26.85	1.79
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	31.82	1.79
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	34.84	1.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 42 93 Soffit Panels *(07 42)*

07 42 93 00-0001 Aluminum Soffit And Fascia *(07 42 93)*

Note: Excludes J-channel.

07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.37	1.90
		For 0.015" Thick, Deduct	*-0.11*	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.59	2.00
		For 0.015" Thick, Deduct	*-0.17*	
07 42 93 00-0004	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	7.20	2.05
		For 0.015" Thick, Deduct	*-0.21*	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	8.97	2.16
		For 0.015" Thick, Deduct	*-0.34*	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	10.95	2.36
		For 0.015" Thick, Deduct	*-0.45*	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	14.53	2.60
		For 0.015" Thick, Deduct	*-0.68*	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	18.17	2.87
		For 0.015" Thick, Deduct	*-0.89*	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	21.85	3.15
		For 0.015" Thick, Deduct	*-1.12*	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	6.25	1.85
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	6.83	1.90
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	7.98	1.96
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	9.22	2.00

07 46 Siding *(07 40)*

07 46 16 Aluminum Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding *(07 46 16)*

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	13.10	4.30
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	13.28	4.30
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	13.56	4.30

07 46 16 00-0005 Aluminum Siding Panels *(07 46 16)*

07 46 16 00-0006 Corrugated Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	9.33	2.42
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	9.73	2.42
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	10.98	2.42
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	13.42	2.42

07 46 16 00-0011 V- Beam Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	13.32	2.42
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	14.95	2.42
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	18.83	2.42

07 46 16 00-0015 Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	14.04	2.42
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	15.62	2.42
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	16.59	2.42

07 46 16 00-0019 Aluminum Siding Accessories *(07 46 16)*

07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	4.18	1.77
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	4.18	1.77
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	4.89	1.77
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	4.50	1.77
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	4.50	1.77

07 46 19 Steel Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001 Steel Siding Panels *(07 46 19)*

07 46 19 00-0002 Corrugated Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.63	2.42
		For Galvanized Instead Of Painted Steel, Add	*1.95*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.63	2.42
		For Galvanized Instead Of Painted Steel, Add	*1.70*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.38	2.42
		For Galvanized Instead Of Painted Steel, Add	*1.64*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.43	2.42
		For Galvanized Instead Of Painted Steel, Add	*0.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.22	2.42
		For Galvanized Instead Of Painted Steel, Add	*0.85*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.08	2.42
		For Galvanized Instead Of Painted Steel, Add	*0.81*	

07 46 19 00-0009 Box Ribbed Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.88	2.42
		For Galvanized Instead Of Painted Steel, Add	*1.76*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.43	2.42
		For Galvanized Instead Of Painted Steel, Add	*1.65*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.13	2.42
		For Galvanized Instead Of Painted Steel, Add	*1.57*	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.63	2.42
		For Galvanized Instead Of Painted Steel, Add	*1.45*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	9.56	2.42
		For Galvanized Instead Of Painted Steel, Add	*1.18*	

07 46 19 00-0015 Clapboard Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	9.56	1.21

07 46 23 Wood Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001 Wood Lap Siding *(07 46 23)*

07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	4.67	1.83
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	5.22	1.95
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	5.79	2.07
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	4.97	1.83
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.49	1.83
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.60	1.83
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	7.03	1.83
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	6.41	1.83
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	4.81	1.95
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	4.81	1.95

07 46 23 00-0012 Tongue And Groove Siding *(07 46 23)*

07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.66	1.83
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	5.12	1.83
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	4.77	1.83
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	5.39	1.83

07 46 29 Plywood Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 29 00-0001 T-111 Siding *(07 46 29)*

07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	3.26	0.95
		For Pressure Treated, Add	*0.18*	

07 46 33 Plastic Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 33 00-0001 Vinyl Siding *(07 46 33)*

Note: Includes standard manufacturer's colors.

07 46 33 00-0002 Vinyl Siding Panels *(07 46 33 00-0001)*

Note: Excludes J-channels, starter strips and trim.

07 46 33 00-0003 Horizontal Vinyl Siding Panels *(07 46 33 00-0002)*

Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.

07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.97	2.32
		For 0.040" Thick, Deduct	*-0.18*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.92*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.70	2.18
		For 0.040" Thick, Deduct	*-0.18*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.92*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.50	2.08
		For 0.040" Thick, Deduct	*-0.18*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.92*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.28	1.98
		For 0.040" Thick, Deduct	*-0.18*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.92*	
		For Manufacturer's Custom Colors, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.02	1.84
		For 0.040" Thick, Deduct	*-0.18*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.92*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0009		**Vertical Vinyl Siding Panels** *(07 46 33 00-0002)*		
07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	6.99	2.32
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0011		**Vinyl Siding Accessories** *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	6.93	1.77
		For Manufacturer's Custom Colors, Add	*0.17*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	12.09	1.77
		For Manufacturer's Custom Colors, Add	*0.43*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	5.63	1.77
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	6.72	1.77
		For Manufacturer's Custom Colors, Add	*0.16*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	4.30	1.77
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	4.05	1.77
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	4.00	1.77
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	4.17	1.77
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	4.88	1.77
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	5.26	1.77
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	5.96	1.77
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	4.02	1.77
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	8.90	2.45
		For Manufacturer's Custom Colors, Add	*0.20*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	9.26	2.45
		For Manufacturer's Custom Colors, Add	*0.22*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	10.06	2.45
		For Manufacturer's Custom Colors, Add	*0.26*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	5.42	1.77
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	6.56	1.77
		For Manufacturer's Custom Colors, Add	*0.15*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	5.74	1.77
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0030		**Vinyl Soffit And Fascia** *(07 46 33 00-0001)*		
		Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.03	1.90
		For 0.038" Thick, Deduct	*-0.54*	
		For 0.040" Thick, Deduct	*-0.45*	
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.03	2.00
		For 0.038" Thick, Deduct	*-0.93*	
		For 0.040" Thick, Deduct	*-0.78*	
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.52	2.05
		For 0.038" Thick, Deduct	*-1.10*	
		For 0.040" Thick, Deduct	*-0.92*	
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.95	2.16
		For 0.038" Thick, Deduct	*-1.66*	
		For 0.040" Thick, Deduct	*-1.39*	
		For Manufacturer's Custom Colors, Add	*0.18*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	9.60	2.36
		For 0.038" Thick, Deduct	*-2.22*	
		For 0.040" Thick, Deduct	*-1.86*	
		For Manufacturer's Custom Colors, Add	*0.24*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	12.50	2.60
		For 0.038" Thick, Deduct	*-3.35*	
		For 0.040" Thick, Deduct	*-2.81*	
		For Manufacturer's Custom Colors, Add	*0.37*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	15.45	2.87
		For 0.038" Thick, Deduct	*-4.47*	
		For 0.040" Thick, Deduct	*-3.75*	
		For Manufacturer's Custom Colors, Add	*0.49*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	18.45	3.15
		For 0.038" Thick, Deduct	*-5.59*	
		For 0.040" Thick, Deduct	*-4.67*	
		For Manufacturer's Custom Colors, Add	*0.61*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	5.17	1.85
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	5.70	1.90
		For Manufacturer's Custom Colors, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	5.66	1.96
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	6.38	2.00
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0043		Fiberglass Siding *(07 46 33)*		
07 46 33 00-0044		Corrugated Panels *(07 46 33 00-0043)*		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	8.27	2.73
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	8.80	2.45
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	9.77	2.45
07 46 33 00-0048		Flat Panels *(07 46 33 00-0043)*		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	7.93	2.45
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	8.80	2.45
07 46 46		**Fiber-Cement Siding** *(07 46)*		
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.81	2.87
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.43	2.73
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.26	2.67
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.09	2.59
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.78	2.45
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.45	2.32
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.70	0.68
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	11.40	2.52
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	5.72	2.05
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.74	1.37
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.68	1.50
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	5.58	1.64
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	7.27	1.92
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	3.91	1.37
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	4.93	1.50
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	6.00	1.64
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	6.34	1.92
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	4.12	1.37
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	5.31	1.50
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	6.55	1.64
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	8.65	1.92
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	7.01	2.71
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	8.53	3.01
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	9.33	3.01
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	12.11	3.54
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit	8.04	1.96
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	8.58	1.96
07 46 63		**Fabricated Panel Assemblies with Siding** *(07 46)*		
07 46 63 00-0001		Metal Liner Panels *(07 46 63)*		
07 46 63 00-0002		Galvanized Metal Liner Panels *(07 46 63 00-0001)*		
07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	10.93	2.08
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	12.01	2.08
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.91	2.08
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	14.11	2.08

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 50 Membrane Roofing *(07)*

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*

07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	124.06	
		For Up To 10, Add	*33.79*	
		For >10 To 20, Add	*19.14*	
		For >20 To 40, Add	*10.69*	
		For >75 To 100, Deduct	*-5.35*	
		For >100 To 200, Deduct	*-11.82*	
		For >200, Deduct	*-17.16*	
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	330.36	
		For Up To 10, Add	*75.05*	
		For >10 To 20, Add	*39.77*	
		For >20 To 40, Add	*21.01*	
		For >75 To 100, Deduct	*-10.50*	
		For >100 To 200, Deduct	*-22.13*	
		For >200, Deduct	*-32.63*	

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	8.17	

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	93.28	
		For Up To 10, Add	*27.76*	
		For >10 To 20, Add	*16.16*	
		For >20 To 40, Add	*9.22*	
		For >75 To 100, Deduct	*-4.61*	
		For >100 To 200, Deduct	*-10.36*	
		For >200, Deduct	*-14.97*	
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	99.16	
		For Up To 10, Add	*28.94*	
		For >10 To 20, Add	*16.75*	
		For >20 To 40, Add	*9.51*	
		For >75 To 100, Deduct	*-4.76*	
		For >100 To 200, Deduct	*-10.65*	
		For >200, Deduct	*-15.41*	
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	105.84	
		For Up To 10, Add	*30.28*	
		For >10 To 20, Add	*17.42*	
		For >20 To 40, Add	*9.85*	
		For >75 To 100, Deduct	*-4.92*	
		For >100 To 200, Deduct	*-10.98*	
		For >200, Deduct	*-15.91*	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	179.97	
		For Up To 10, Add	*45.10*	
		For >10 To 20, Add	*24.83*	
		For >20 To 40, Add	*13.55*	
		For >75 To 100, Deduct	*-6.78*	
		For >100 To 200, Deduct	*-14.69*	
		For >200, Deduct	*-21.47*	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	299.59	
		For Up To 10, Add	*69.03*	
		For >10 To 20, Add	*36.79*	
		For >20 To 40, Add	*19.53*	
		For >75 To 100, Deduct	*-9.77*	
		For >100 To 200, Deduct	*-20.67*	
		For >200, Deduct	*-30.44*	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	229.54	
		For Up To 10, Add	*55.88*	
		For >10 To 20, Add	*30.44*	
		For >20 To 40, Add	*16.47*	
		For >75 To 100, Deduct	*-8.23*	
		For >100 To 200, Deduct	*-17.71*	
		For >200, Deduct	*-25.94*	

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.37	

07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	94.11	
		For Up To 10, Add	*23.31*	
		For >10 To 20, Add	*12.78*	
		For >20 To 40, Add	*6.95*	
		For >75 To 100, Deduct	*-3.47*	
		For >100 To 200, Deduct	*-7.51*	
		For >200, Deduct	*-10.98*	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	174.92	
		For Up To 10, Add	*39.47*	
		For >10 To 20, Add	*20.86*	
		For >20 To 40, Add	*10.99*	
		For >75 To 100, Deduct	*-5.49*	
		For >100 To 200, Deduct	*-11.55*	
		For >200, Deduct	*-17.04*	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	294.53	
		For Up To 10, Add	*63.39*	
		For >10 To 20, Add	*32.82*	
		For >20 To 40, Add	*16.97*	
		For >75 To 100, Deduct	*-8.48*	
		For >100 To 200, Deduct	*-17.53*	
		For >200, Deduct	*-26.02*	

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	6.40	

07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

07 51 13 00-0028	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	120.38	
		For Up To 10, Add	*33.06*	
		For >10 To 20, Add	*18.77*	
		For >20 To 40, Add	*10.51*	
		For >75 To 100, Deduct	*-5.25*	
		For >100 To 200, Deduct	*-11.63*	
		For >200, Deduct	*-16.89*	
07 51 13 00-0029	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	135.54	
		For Up To 10, Add	*36.09*	
		For >10 To 20, Add	*20.29*	
		For >20 To 40, Add	*11.27*	
		For >75 To 100, Deduct	*-5.63*	
		For >100 To 200, Deduct	*-12.39*	
		For >200, Deduct	*-18.02*	

07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes mopping hot asphalt and embedding the felt.

07 51 13 00-0031	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	89.60	
		For Up To 10, Add	*27.03*	
		For >10 To 20, Add	*15.79*	
		For >20 To 40, Add	*9.03*	
		For >75 To 100, Deduct	*-4.52*	
		For >100 To 200, Deduct	*-10.17*	
		For >200, Deduct	*-14.69*	
07 51 13 00-0032	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	104.77	
		For Up To 10, Add	*30.06*	
		For >10 To 20, Add	*17.31*	
		For >20 To 40, Add	*9.79*	
		For >75 To 100, Deduct	*-4.90*	
		For >100 To 200, Deduct	*-10.93*	
		For >200, Deduct	*-15.83*	

07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes fasteners.

07 51 13 00-0034	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	45.01	
		For Up To 10, Add	*13.49*	
		For >10 To 20, Add	*7.87*	
		For >20 To 40, Add	*4.49*	
		For >75 To 100, Deduct	*-2.25*	
		For >100 To 200, Deduct	*-5.05*	
		For >200, Deduct	*-7.30*	
07 51 13 00-0035	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	60.18	
		For Up To 10, Add	*16.52*	
		For >10 To 20, Add	*9.38*	
		For >20 To 40, Add	*5.25*	
		For >75 To 100, Deduct	*-2.63*	
		For >100 To 200, Deduct	*-5.81*	
		For >200, Deduct	*-8.44*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0036		**Surfacing** *(07 51 13 00-0001)*		
07 51 13 00-0037	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	200.95	
		For Up To 10, Add	*62.65*	
		For >10 To 20, Add	*36.94*	
		For >20 To 40, Add	*21.28*	
		For >75 To 100, Deduct	*-10.64*	
		For >100 To 200, Deduct	*-24.08*	
		For >200, Deduct	*-34.72*	
07 51 13 00-0038	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	290.22	
		For Up To 10, Add	*80.50*	
		For >10 To 20, Add	*45.86*	
		For >20 To 40, Add	*25.74*	
		For >75 To 100, Deduct	*-12.87*	
		For >100 To 200, Deduct	*-28.55*	
		For >200, Deduct	*-41.42*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	213.12	
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	56.60	
		For Up To 10, Add	*14.28*	
		For >10 To 20, Add	*7.88*	
		For >20 To 40, Add	*4.31*	
		For >75 To 100, Deduct	*-2.16*	
		For >100 To 200, Deduct	*-4.68*	
		For >200, Deduct	*-6.84*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	136.71	
		For Up To 10, Add	*32.73*	
		For >10 To 20, Add	*17.71*	
		For >20 To 40, Add	*9.53*	
		For >75 To 100, Deduct	*-4.77*	
		For >100 To 200, Deduct	*-10.20*	
		For >200, Deduct	*-14.97*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	121.95	
		For Up To 10, Add	*29.78*	
		For >10 To 20, Add	*16.24*	
		For >20 To 40, Add	*8.79*	
		For >75 To 100, Deduct	*-4.40*	
		For >100 To 200, Deduct	*-9.47*	
		For >200, Deduct	*-13.86*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over smooth-surfaced built-up roofs.	162.23	
		For Up To 10, Add	*37.84*	
		For >10 To 20, Add	*20.27*	
		For >20 To 40, Add	*10.81*	
		For >75 To 100, Deduct	*-5.40*	
		For >100 To 200, Deduct	*-11.48*	
		For >200, Deduct	*-16.88*	
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	163.55	
		For Up To 10, Add	*38.10*	
		For >10 To 20, Add	*20.40*	
		For >20 To 40, Add	*10.87*	
		For >75 To 100, Deduct	*-5.44*	
		For >100 To 200, Deduct	*-11.55*	
		For >200, Deduct	*-16.98*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*47.77*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	168.98	
		For Up To 10, Add	*39.19*	
		For >10 To 20, Add	*20.94*	
		For >20 To 40, Add	*11.14*	
		For >75 To 100, Deduct	*-5.57*	
		For >100 To 200, Deduct	*-11.82*	
		For >200, Deduct	*-17.39*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*49.56*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	2.83	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	4.89	
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	45.97	
07 51 13 00-0049		**Walkway Pads** *(07 51 13 00-0001)* Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	34.09	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	40.45	
07 51 13 00-0052		**Cant And Tapered Edge Strips** *(07 51 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	5.25	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	5.40	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	6.10	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	5.09	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	5.23	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	5.90	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	6.69	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	6.91	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	7.74	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	7.66	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	9.16	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	10.25	

07 51 13 00-0065 Asphalt Primer *(07 51 13 00-0001)*

07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	42.95	

07 51 13 00-0067 Demolish Built-Up Roofing *(07 51 13 00-0001)*

Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.

07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System	471.58	
		For Up To 10, Add		*117.15*
		For >10 To 25, Add		*70.29*
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.	363.79	
		For Up To 10, Add		*90.37*
		For >10 To 25, Add		*54.22*

07 51 13 00-0070 Roofing System Warranty *(07 51 13 00-0001)*

Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.

07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	653.66	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.34	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	747.04	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	14.94	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,027.18	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	20.54	

07 51 13 00-0077 Built-Up Roofing Components (Tremco) *(07 51 13)*

Note: All tasks presented as a single layer. Adhesives are priced separately.

07 51 13 00-0078 Cold Applied BUR Base Plies And Ply Sheets *(07 51 13 00-0077)*

07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	152.02	
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	183.98	
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	211.43	
07 51 13 00-0082	SQ	28 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	48.44	
07 51 13 00-0083	SQ	33 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	69.86	
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	287.55	
07 51 13 00-0085	SQ	POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	266.06	

07 51 13 00-0086 Hot Or Cold Applied Modified Bitumen Cap Membrane *(07 51 13 00-0077)*

07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	164.22	
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	431.66	
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	712.71	
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	192.31	
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	293.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	707.94	
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	516.31	
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	509.69	

07 51 13 00-0095 Self Adhesive Base Plies And Ply Sheets *(07 51 13 00-0077)*

07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	296.28	
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	588.82	

07 51 13 00-0098 Flashings *(07 51 13 00-0077)*

07 51 13 00-0099	LF	11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	19.01	
07 51 13 00-0100	LF	19" Hypalon Elastomeric Flashing Note: 45 mils.	30.97	
07 51 13 00-0101	LF	25" Hypalon Elastomeric Flashing Note: 45 mils.	41.14	
07 51 13 00-0102	LF	38" Hypalon Elastomeric Flashing Note: 45 mils.	60.27	
07 51 13 00-0103	LF	60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	99.37	
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	15.21	
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	24.88	
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	33.16	
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	48.39	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	81.49	
07 51 13 00-0109	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.51	
07 51 13 00-0110	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.69	
07 51 13 00-0111	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	6.58	
07 51 13 00-0112	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	16.97	

07 51 13 00-0113 Cold Applied Adhesives *(07 51 13 00-0077)*

07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive	186.91	
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	307.84	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	237.13	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	186.91	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	96.41	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	212.04	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	209.31	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	574.87	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	317.28	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive	358.78	

07 51 13 00-0124 Hot Applied Adhesives *(07 51 13 00-0077)*

07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	69.82	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	126.69	

07 51 13 00-0127 Flashings Adhesives *(07 51 13 00-0077)*

07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	24.12	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	31.31	
07 51 13 00-0130	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	19.80	
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant	7.60	
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant	7.79	
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant	7.64	

07 51 13 00-0134 Surfacing *(07 51 13 00-0077)*

07 51 13 00-0135	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	276.94	
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	620.98	
07 51 13 00-0137	SQ	Polar Coat	162.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	197.70	
07 51 13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	567.53	
07 51 13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	261.44	
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	72.93	
07 51 13 00-0142		**Walkway Protection Pads** *(07 51 13 00-0077)*		
07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	37.23	
07 51 13 00-0144		**Primer** *(07 51 13 00-0077)*		
07 51 13 00-0145	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	43.68	
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	92.61	
07 51 13 00-0147		**Liquid Applied Roofing** *(07 51 13 00-0077)*		
07 51 13 00-0148	SQ	Trem-LAR LRM H Waterproofing (Horizontal) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	472.64	
07 51 13 00-0149	SQ	Trem-LAR LRM V Waterproofing (Vertical) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	482.31	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	616.27	
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	799.61	
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	469.27	
07 51 13 00-0153	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	90.28	
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	93.37	
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer. Note: Water based primer for metal and plastic surfaces.	100.10	
07 51 13 00-0156	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	74.68	
07 51 13 00-0157	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	67.52	
07 51 13 00-0158		**Atactic-Polypropylene (APP) Products** *(07 51 13 00-0077)*		
07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	244.19	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	460.65	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	369.21	
07 51 13 00-0162		**Tri-Polymer Alloy (TPA) White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	650.74	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	886.42	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	1,004.39	
07 51 13 00-0166		**Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	745.00	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	910.11	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,109.95	
07 51 13 00-0170		**Tri-Polymer Alloy (TPA) Membrane Accessories** *(07 51 13 00-0077)*		
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	133.77	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	151.88	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	23.06	
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	81.32	
07 51 13 00-0175		**Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	355.50	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	358.56	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	631.61	
07 51 13 00-0179		**Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	409.79	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	459.10	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	662.15	
07 51 13 00-0183		**Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)** *(07 51 13 00-0077)*		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,078.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0185		**Single Ply Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	178.62	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	201.06	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	175.37	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	118.79	
07 51 13 00-0190		**Warranty (Tremco)** *(07 51 13 00-0077)*		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0195		**Built-Up Roofing Components (Garland)** *(07 51 13)*		
		Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		**Modified Cap Membranes** *(07 51 13 00-0195)*		
		See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197		**Modified Cap Membranes, Hot/Cold Applied** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	749.17	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	536.66	
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	663.87	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	689.76	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	959.40	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,078.22	
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil Note: Low strength cap sheet for hot or cold modified systems used with gravel.	452.96	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	572.47	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	351.03	
07 51 13 00-0207		**Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	678.34	
07 51 13 00-0209		**Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	834.49	
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	907.62	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	956.36	
07 51 13 00-0213	SQ	StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	874.10	
07 51 13 00-0214	SQ	StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	925.90	
07 51 13 00-0215	SQ	StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	971.60	
07 51 13 00-0216		**Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	767.35	
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,215.33	
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	989.88	
07 51 13 00-0220		**Base Ply** *(07 51 13 00-0195)*		
		Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	685.19	
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	431.55	
07 51 13 00-0223	SQ	HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	99.55	
07 51 13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil Note: Inner ply felts for hot applied built up and modified BUR systems.	66.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0225	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	80.50	
07 51 13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	87.35	
07 51 13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil	134.39	
		Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	435.26	
07 51 13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	377.48	
		Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0230	SQ	SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil	351.09	
07 51 13 00-0231	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	382.13	
07 51 13 00-0232	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	317.39	
07 51 13 00-0233	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	6.41	
07 51 13 00-0234	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	17.00	
07 51 13 00-0235	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	77.07	
07 51 13 00-0236	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	8.31	
07 51 13 00-0237	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.10	
07 51 13 00-0238	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.99	
07 51 13 00-0239	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	166.88	

07 51 13 00-0240 Coatings And Mastics For Roof Installation, Restoration And Repairs *(07 51 13 00-0195)*

07 51 13 00-0241	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	50.37	
07 51 13 00-0242	SQ	Black-Knight® Primer	46.78	
07 51 13 00-0243	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	184.80	
07 51 13 00-0244	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	197.22	
07 51 13 00-0245	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	313.89	
07 51 13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	499.00	
07 51 13 00-0247	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	515.56	
07 51 13 00-0248	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	242.10	
07 51 13 00-0249	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	399.82	
07 51 13 00-0250	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	611.25	
07 51 13 00-0251	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	1,015.26	
07 51 13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	426.58	
07 51 13 00-0253	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	443.14	
07 51 13 00-0254	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	930.82	
07 51 13 00-0255	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	405.28	
07 51 13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	200.16	
07 51 13 00-0257	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	216.72	
07 51 13 00-0258	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	189.09	
07 51 13 00-0259	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	176.99	
07 51 13 00-0260	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	24.01	
		Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0261	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	209.35	
07 51 13 00-0262	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	203.02	
07 51 13 00-0263	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	27.41	
07 51 13 00-0264	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	270.31	
07 51 13 00-0265	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,572.62	
07 51 13 00-0266	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ)	347.92	
07 51 13 00-0267	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	423.17	
07 51 13 00-0268	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	159.24	
07 51 13 00-0269	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	550.21	
07 51 13 00-0270	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	158.08	
		Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	222.95	
		For Up To 10, Add	*53.57*	
		For >10 To 20, Add	*29.03*	
		For >20 To 40, Add	*15.64*	
		For >75 To 100, Deduct	*-7.82*	
		For >100 To 200, Deduct	*-16.76*	
		For >200, Deduct	*-24.58*	
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	270.05	
		For Up To 10, Add	*62.99*	
		For >10 To 20, Add	*33.74*	
		For >20 To 40, Add	*17.99*	
		For >75 To 100, Deduct	*-9.00*	
		For >100 To 200, Deduct	*-19.12*	
		For >200, Deduct	*-28.11*	
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	420.46	
		For Up To 10, Add	*93.07*	
		For >10 To 20, Add	*48.78*	
		For >20 To 40, Add	*25.51*	
		For >75 To 100, Deduct	*-12.76*	
		For >100 To 200, Deduct	*-26.64*	
		For >200, Deduct	*-39.39*	
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	424.74	
		For Up To 10, Add	*94.78*	
		For >10 To 20, Add	*49.85*	
		For >20 To 40, Add	*26.16*	
		For >75 To 100, Deduct	*-13.08*	
		For >100 To 200, Deduct	*-27.38*	
		For >200, Deduct	*-40.46*	
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	305.94	
		For Up To 10, Add	*71.02*	
		For >10 To 20, Add	*37.97*	
		For >20 To 40, Add	*20.22*	
		For >75 To 100, Deduct	*-10.11*	
		For >100 To 200, Deduct	*-21.44*	
		For >200, Deduct	*-31.55*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	353.59	
		For Up To 10, Add	*80.55*	
		For >10 To 20, Add	*42.74*	
		For >20 To 40, Add	*22.60*	
		For >75 To 100, Deduct	*-11.30*	
		For >100 To 200, Deduct	*-23.83*	
		For >200, Deduct	*-35.13*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	483.40	
		For Up To 10, Add	*106.52*	
		For >10 To 20, Add	*55.72*	
		For >20 To 40, Add	*29.09*	
		For >75 To 100, Deduct	*-14.54*	
		For >100 To 200, Deduct	*-30.32*	
		For >200, Deduct	*-44.86*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	6.49	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	9.65	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	162.60	
		For Up To 10, Add	*41.49*	
		For >10 To 20, Add	*22.99*	
		For >20 To 40, Add	*12.62*	
		For >75 To 100, Deduct	*-6.31*	
		For >100 To 200, Deduct	*-13.74*	
		For >200, Deduct	*-20.05*	
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	209.70	
		For Up To 10, Add	*50.91*	
		For >10 To 20, Add	*27.70*	
		For >20 To 40, Add	*14.97*	
		For >75 To 100, Deduct	*-7.49*	
		For >100 To 200, Deduct	*-16.09*	
		For >200, Deduct	*-23.58*	
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	254.33	
		For Up To 10, Add	*64.34*	
		For >10 To 20, Add	*35.54*	
		For >20 To 40, Add	*19.45*	
		For >75 To 100, Deduct	*-9.73*	
		For >100 To 200, Deduct	*-21.14*	
		For >200, Deduct	*-30.86*	
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	266.39	
		For Up To 10, Add	*66.75*	
		For >10 To 20, Add	*36.74*	
		For >20 To 40, Add	*20.06*	
		For >75 To 100, Deduct	*-10.03*	
		For >100 To 200, Deduct	*-21.74*	
		For >200, Deduct	*-31.77*	
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	364.24	
		For Up To 10, Add	*86.32*	
		For >10 To 20, Add	*46.53*	
		For >20 To 40, Add	*24.95*	
		For >75 To 100, Deduct	*-12.47*	
		For >100 To 200, Deduct	*-26.63*	
		For >200, Deduct	*-39.11*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	254.33	
		For Up To 10, Add	*64.34*	
		For >10 To 20, Add	*35.54*	
		For >20 To 40, Add	*19.45*	
		For >75 To 100, Deduct	*-9.73*	
		For >100 To 200, Deduct	*-21.14*	
		For >200, Deduct	*-30.86*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	269.40	
		For Up To 10, Add	*67.35*	
		For >10 To 20, Add	*37.05*	
		For >20 To 40, Add	*20.21*	
		For >75 To 100, Deduct	*-10.10*	
		For >100 To 200, Deduct	*-21.89*	
		For >200, Deduct	*-31.99*	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	364.24	
		For Up To 10, Add	*86.32*	
		For >10 To 20, Add	*46.53*	
		For >20 To 40, Add	*24.95*	
		For >75 To 100, Deduct	*-12.47*	
		For >100 To 200, Deduct	*-26.63*	
		For >200, Deduct	*-39.11*	
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	263.83	
		For Up To 10, Add	*66.24*	
		For >10 To 20, Add	*36.49*	
		For >20 To 40, Add	*19.93*	
		For >75 To 100, Deduct	*-9.96*	
		For >100 To 200, Deduct	*-21.61*	
		For >200, Deduct	*-31.58*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	278.45	
		For Up To 10, Add	*69.16*	
		For >10 To 20, Add	*37.95*	
		For >20 To 40, Add	*20.66*	
		For >75 To 100, Deduct	*-10.33*	
		For >100 To 200, Deduct	*-22.34*	
		For >200, Deduct	*-32.67*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	314.33	
		For Up To 10, Add	*76.34*	
		For >10 To 20, Add	*41.54*	
		For >20 To 40, Add	*22.45*	
		For >75 To 100, Deduct	*-11.23*	
		For >100 To 200, Deduct	*-24.14*	
		For >200, Deduct	*-35.36*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	318.71	
		For Up To 10, Add	*77.22*	
		For >10 To 20, Add	*41.98*	
		For >20 To 40, Add	*22.67*	
		For >75 To 100, Deduct	*-11.34*	
		For >100 To 200, Deduct	*-24.36*	
		For >200, Deduct	*-35.69*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	441.28	
		For Up To 10, Add	*101.73*	
		For >10 To 20, Add	*54.23*	
		For >20 To 40, Add	*28.80*	
		For >75 To 100, Deduct	*-14.40*	
		For >100 To 200, Deduct	*-30.49*	
		For >200, Deduct	*-44.89*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.89	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.04	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.99	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.13	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.53	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.76	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	234.23	
		For Up To 10, Add	*51.33*	
		For >10 To 20, Add	*26.79*	
		For >20 To 40, Add	*13.95*	
		For >75 To 100, Deduct	*-6.98*	
		For >100 To 200, Deduct	*-14.52*	
		For >200, Deduct	*-21.49*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*

07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	176.83	
		For Up To 10, Add	*44.35*	
		For >10 To 20, Add	*24.42*	
		For >20 To 40, Add	*13.33*	
		For >75 To 100, Deduct	*-6.67*	
		For >100 To 200, Deduct	*-14.45*	
		For >200, Deduct	*-21.12*	
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	229.13	
		For Up To 10, Add	*54.81*	
		For >10 To 20, Add	*29.65*	
		For >20 To 40, Add	*15.95*	
		For >75 To 100, Deduct	*-7.97*	
		For >100 To 200, Deduct	*-17.07*	
		For >200, Deduct	*-25.04*	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	235.88	
		For Up To 10, Add	*56.16*	
		For >10 To 20, Add	*30.32*	
		For >20 To 40, Add	*16.28*	
		For >75 To 100, Deduct	*-8.14*	
		For >100 To 200, Deduct	*-17.41*	
		For >200, Deduct	*-25.55*	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	319.30	
		For Up To 10, Add	*72.84*	
		For >10 To 20, Add	*38.67*	
		For >20 To 40, Add	*20.46*	
		For >75 To 100, Deduct	*-10.23*	
		For >100 To 200, Deduct	*-21.58*	
		For >200, Deduct	*-31.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	403.74	
		For Up To 10, Add	*89.73*	
		For >10 To 20, Add	*47.11*	
		For >20 To 40, Add	*24.68*	
		For >75 To 100, Deduct	*-12.34*	
		For >100 To 200, Deduct	*-25.80*	
		For >200, Deduct	*-38.14*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	338.03	
		For Up To 10, Add	*77.44*	
		For >10 To 20, Add	*41.18*	
		For >20 To 40, Add	*21.82*	
		For >75 To 100, Deduct	*-10.91*	
		For >100 To 200, Deduct	*-23.05*	
		For >200, Deduct	*-33.96*	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	347.10	
		For Up To 10, Add	*79.26*	
		For >10 To 20, Add	*42.09*	
		For >20 To 40, Add	*22.27*	
		For >75 To 100, Deduct	*-11.14*	
		For >100 To 200, Deduct	*-23.50*	
		For >200, Deduct	*-34.64*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	304.59	
		For Up To 10, Add	*70.75*	
		For >10 To 20, Add	*37.84*	
		For >20 To 40, Add	*20.15*	
		For >75 To 100, Deduct	*-10.07*	
		For >100 To 200, Deduct	*-21.38*	
		For >200, Deduct	*-31.45*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	308.51	
		For Up To 10, Add	*71.54*	
		For >10 To 20, Add	*38.23*	
		For >20 To 40, Add	*20.34*	
		For >75 To 100, Deduct	*-10.17*	
		For >100 To 200, Deduct	*-21.57*	
		For >200, Deduct	*-31.74*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	344.69	
		For Up To 10, Add	*78.77*	
		For >10 To 20, Add	*41.85*	
		For >20 To 40, Add	*22.15*	
		For >75 To 100, Deduct	*-11.08*	
		For >100 To 200, Deduct	*-23.38*	
		For >200, Deduct	*-34.46*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	350.72	
		For Up To 10, Add	*79.98*	
		For >10 To 20, Add	*42.45*	
		For >20 To 40, Add	*22.45*	
		For >75 To 100, Deduct	*-11.23*	
		For >100 To 200, Deduct	*-23.68*	
		For >200, Deduct	*-34.91*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	403.49	
		For Up To 10, Add	*90.53*	
		For >10 To 20, Add	*47.73*	
		For >20 To 40, Add	*25.09*	
		For >75 To 100, Deduct	*-12.55*	
		For >100 To 200, Deduct	*-26.32*	
		For >200, Deduct	*-38.87*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	499.62	
		For Up To 10, Add	*109.76*	
		For >10 To 20, Add	*57.34*	
		For >20 To 40, Add	*29.90*	
		For >75 To 100, Deduct	*-14.95*	
		For >100 To 200, Deduct	*-31.13*	
		For >200, Deduct	*-46.08*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	311.13	
		For Up To 10, Add	*72.06*	
		For >10 To 20, Add	*38.49*	
		For >20 To 40, Add	*20.47*	
		For >75 To 100, Deduct	*-10.24*	
		For >100 To 200, Deduct	*-21.70*	
		For >200, Deduct	*-31.94*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	320.57	
		For Up To 10, Add	*73.95*	
		For >10 To 20, Add	*39.43*	
		For >20 To 40, Add	*20.95*	
		For >75 To 100, Deduct	*-10.47*	
		For >100 To 200, Deduct	*-22.18*	
		For >200, Deduct	*-32.65*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	371.83	
		For Up To 10, Add	*84.20*	
		For >10 To 20, Add	*44.56*	
		For >20 To 40, Add	*23.51*	
		For >75 To 100, Deduct	*-11.75*	
		For >100 To 200, Deduct	*-24.74*	
		For >200, Deduct	*-36.49*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	373.04	
		For Up To 10, Add	*84.44*	
		For >10 To 20, Add	*44.68*	
		For >20 To 40, Add	*23.57*	
		For >75 To 100, Deduct	*-11.79*	
		For >100 To 200, Deduct	*-24.80*	
		For >200, Deduct	*-36.58*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	395.95	
		For Up To 10, Add	*89.03*	
		For >10 To 20, Add	*46.97*	
		For >20 To 40, Add	*24.72*	
		For >75 To 100, Deduct	*-12.36*	
		For >100 To 200, Deduct	*-25.95*	
		For >200, Deduct	*-38.30*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.71	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.29	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.33	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.75	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.28	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.24	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.35	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.45	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.97	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.20	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	8.08	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	14.86	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	146.05	
		For Up To 10, Add	*38.32*	
		For >10 To 20, Add	*21.44*	
		For >20 To 40, Add	*11.86*	
		For >75 To 100, Deduct	*-5.93*	
		For >100 To 200, Deduct	*-13.00*	
		For >200, Deduct	*-18.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	198.35	
		For Up To 10, Add	*48.78*	
		For >10 To 20, Add	*26.67*	
		For >20 To 40, Add	*14.47*	
		For >75 To 100, Deduct	*-7.24*	
		For >100 To 200, Deduct	*-15.61*	
		For >200, Deduct	*-22.85*	
07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	205.10	
		For Up To 10, Add	*50.13*	
		For >10 To 20, Add	*27.34*	
		For >20 To 40, Add	*14.81*	
		For >75 To 100, Deduct	*-7.40*	
		For >100 To 200, Deduct	*-15.95*	
		For >200, Deduct	*-23.35*	
07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	288.53	
		For Up To 10, Add	*66.81*	
		For >10 To 20, Add	*35.68*	
		For >20 To 40, Add	*18.98*	
		For >75 To 100, Deduct	*-9.49*	
		For >100 To 200, Deduct	*-20.12*	
		For >200, Deduct	*-29.61*	
07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	372.96	
		For Up To 10, Add	*83.70*	
		For >10 To 20, Add	*44.13*	
		For >20 To 40, Add	*23.20*	
		For >75 To 100, Deduct	*-11.60*	
		For >100 To 200, Deduct	*-24.34*	
		For >200, Deduct	*-35.94*	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	307.31	
		For Up To 10, Add	*71.44*	
		For >10 To 20, Add	*38.21*	
		For >20 To 40, Add	*20.35*	
		For >75 To 100, Deduct	*-10.18*	
		For >100 To 200, Deduct	*-21.60*	
		For >200, Deduct	*-31.78*	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	316.39	
		For Up To 10, Add	*73.25*	
		For >10 To 20, Add	*39.12*	
		For >20 To 40, Add	*20.81*	
		For >75 To 100, Deduct	*-10.40*	
		For >100 To 200, Deduct	*-22.05*	
		For >200, Deduct	*-32.46*	
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	273.87	
		For Up To 10, Add	*64.75*	
		For >10 To 20, Add	*34.87*	
		For >20 To 40, Add	*18.68*	
		For >75 To 100, Deduct	*-9.34*	
		For >100 To 200, Deduct	*-19.93*	
		For >200, Deduct	*-29.27*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	277.79	
		For Up To 10, Add	*65.53*	
		For >10 To 20, Add	*35.26*	
		For >20 To 40, Add	*18.88*	
		For >75 To 100, Deduct	*-9.44*	
		For >100 To 200, Deduct	*-20.12*	
		For >200, Deduct	*-29.56*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	313.98	
		For Up To 10, Add	*72.77*	
		For >10 To 20, Add	*38.88*	
		For >20 To 40, Add	*20.69*	
		For >75 To 100, Deduct	*-10.34*	
		For >100 To 200, Deduct	*-21.93*	
		For >200, Deduct	*-32.28*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	320.01	
		For Up To 10, Add	*73.98*	
		For >10 To 20, Add	*39.48*	
		For >20 To 40, Add	*20.99*	
		For >75 To 100, Deduct	*-10.49*	
		For >100 To 200, Deduct	*-22.24*	
		For >200, Deduct	*-32.73*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	372.78	
		For Up To 10, Add	*84.53*	
		For >10 To 20, Add	*44.76*	
		For >20 To 40, Add	*23.63*	
		For >75 To 100, Deduct	*-11.81*	
		For >100 To 200, Deduct	*-24.87*	
		For >200, Deduct	*-36.69*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	468.91	
		For Up To 10, Add	*103.76*	
		For >10 To 20, Add	*54.37*	
		For >20 To 40, Add	*28.43*	
		For >75 To 100, Deduct	*-14.22*	
		For >100 To 200, Deduct	*-29.68*	
		For >200, Deduct	*-43.90*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	280.42	
		For Up To 10, Add	*66.06*	
		For >10 To 20, Add	*35.52*	
		For >20 To 40, Add	*19.01*	
		For >75 To 100, Deduct	*-9.50*	
		For >100 To 200, Deduct	*-20.26*	
		For >200, Deduct	*-29.76*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	289.85	
		For Up To 10, Add	*67.95*	
		For >10 To 20, Add	*36.47*	
		For >20 To 40, Add	*19.48*	
		For >75 To 100, Deduct	*-9.74*	
		For >100 To 200, Deduct	*-20.73*	
		For >200, Deduct	*-30.47*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	341.12	
		For Up To 10, Add	*78.20*	
		For >10 To 20, Add	*41.59*	
		For >20 To 40, Add	*22.04*	
		For >75 To 100, Deduct	*-11.02*	
		For >100 To 200, Deduct	*-23.29*	
		For >200, Deduct	*-34.31*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	342.32	
		For Up To 10, Add	*78.44*	
		For >10 To 20, Add	*41.71*	
		For >20 To 40, Add	*22.10*	
		For >75 To 100, Deduct	*-11.05*	
		For >100 To 200, Deduct	*-23.35*	
		For >200, Deduct	*-34.40*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	365.24	
		For Up To 10, Add	*83.02*	
		For >10 To 20, Add	*44.01*	
		For >20 To 40, Add	*23.25*	
		For >75 To 100, Deduct	*-11.63*	
		For >100 To 200, Deduct	*-24.50*	
		For >200, Deduct	*-36.12*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.49	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.07	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.11	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.47	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.53	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.06	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.02	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.13	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.23	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.66	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.98	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.86	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	14.63	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	296.54	
		For Up To 10, Add	*72.78*	
		For >10 To 20, Add	*39.76*	
		For >20 To 40, Add	*21.56*	
		For >75 To 100, Deduct	*-10.78*	
		For >100 To 200, Deduct	*-23.25*	
		For >200, Deduct	*-34.03*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	267.29	
		For Up To 10, Add	*66.93*	
		For >10 To 20, Add	*36.83*	
		For >20 To 40, Add	*20.10*	
		For >75 To 100, Deduct	*-10.05*	
		For >100 To 200, Deduct	*-21.79*	
		For >200, Deduct	*-31.84*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	301.67	
		For Up To 10, Add	*73.81*	
		For >10 To 20, Add	*40.27*	
		For >20 To 40, Add	*21.82*	
		For >75 To 100, Deduct	*-10.91*	
		For >100 To 200, Deduct	*-23.50*	
		For >200, Deduct	*-34.42*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	457.51	
		For Up To 10, Add	*104.98*	
		For >10 To 20, Add	*55.86*	
		For >20 To 40, Add	*29.61*	
		For >75 To 100, Deduct	*-14.81*	
		For >100 To 200, Deduct	*-31.30*	
		For >200, Deduct	*-46.10*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	277.12	
		For Up To 10, Add	*68.90*	
		For >10 To 20, Add	*37.82*	
		For >20 To 40, Add	*20.59*	
		For >75 To 100, Deduct	*-10.30*	
		For >100 To 200, Deduct	*-22.28*	
		For >200, Deduct	*-32.57*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	317.65	
		For Up To 10, Add	*77.00*	
		For >10 To 20, Add	*41.87*	
		For >20 To 40, Add	*22.62*	
		For >75 To 100, Deduct	*-11.31*	
		For >100 To 200, Deduct	*-24.30*	
		For >200, Deduct	*-35.61*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	330.67	
		For Up To 10, Add	*79.80*	
		For >10 To 20, Add	*43.32*	
		For >20 To 40, Add	*23.37*	
		For >75 To 100, Deduct	*-11.68*	
		For >100 To 200, Deduct	*-25.07*	
		For >200, Deduct	*-36.76*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	425.27	
		For Up To 10, Add	*98.72*	
		For >10 To 20, Add	*52.78*	
		For >20 To 40, Add	*28.10*	
		For >75 To 100, Deduct	*-14.05*	
		For >100 To 200, Deduct	*-29.80*	
		For >200, Deduct	*-43.85*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*

07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.40	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.37	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.92	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.56	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.64	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.60	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.80	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	13.54	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	182.26
		For Up To 10, Add	*40.94*
		For >10 To 20, Add	*21.59*
		For >20 To 40, Add	*11.36*
		For >75 To 100, Deduct	*-5.68*
		For >100 To 200, Deduct	*-11.92*
		For >200, Deduct	*-17.59*
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	141.00
		For Up To 10, Add	*32.69*
		For >10 To 20, Add	*17.46*
		For >20 To 40, Add	*9.29*
		For >75 To 100, Deduct	*-4.65*
		For >100 To 200, Deduct	*-9.85*
		For >200, Deduct	*-14.50*
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	181.62
		For Up To 10, Add	*40.81*
		For >10 To 20, Add	*21.53*
		For >20 To 40, Add	*11.32*
		For >75 To 100, Deduct	*-5.66*
		For >100 To 200, Deduct	*-11.88*
		For >200, Deduct	*-17.55*
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	226.49
		For Up To 10, Add	*49.78*
		For >10 To 20, Add	*26.01*
		For >20 To 40, Add	*13.57*
		For >75 To 100, Deduct	*-6.78*
		For >100 To 200, Deduct	*-14.13*
		For >200, Deduct	*-20.91*
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	283.48
		For Up To 10, Add	*61.18*
		For >10 To 20, Add	*31.71*
		For >20 To 40, Add	*16.42*
		For >75 To 100, Deduct	*-8.21*
		For >100 To 200, Deduct	*-16.98*
		For >200, Deduct	*-25.19*

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.73
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.81

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	147.46
		For Up To 10, Add	*34.88*
		For >10 To 20, Add	*18.79*
		For >20 To 40, Add	*10.07*
		For >75 To 100, Deduct	*-5.03*
		For >100 To 200, Deduct	*-10.74*
		For >200, Deduct	*-15.78*
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	156.01
		For Up To 10, Add	*36.59*
		For >10 To 20, Add	*19.64*
		For >20 To 40, Add	*10.50*
		For >75 To 100, Deduct	*-5.25*
		For >100 To 200, Deduct	*-11.17*
		For >200, Deduct	*-16.42*
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	260.80
		For Up To 10, Add	*57.95*
		For >10 To 20, Add	*30.43*
		For >20 To 40, Add	*15.94*
		For >75 To 100, Deduct	*-7.97*
		For >100 To 200, Deduct	*-16.66*
		For >200, Deduct	*-24.63*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	310.91	
		For Up To 10, Add	*67.98*	
		For >10 To 20, Add	*35.44*	
		For >20 To 40, Add	*18.44*	
		For >75 To 100, Deduct	*-9.22*	
		For >100 To 200, Deduct	*-19.17*	
		For >200, Deduct	*-28.39*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	458.67	
		For Up To 10, Add	*97.53*	
		For >10 To 20, Add	*50.21*	
		For >20 To 40, Add	*25.83*	
		For >75 To 100, Deduct	*-12.92*	
		For >100 To 200, Deduct	*-26.55*	
		For >200, Deduct	*-39.47*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.35	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.84	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	6.32	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	580.51	107.79
		For Up To 10, Add	*159.22*	
		For >10 To 20, Add	*90.39*	
		For >20 To 40, Add	*50.58*	
		For >75 To 100, Deduct	*-25.29*	
		For >100 To 200, Deduct	*-55.97*	
		For >200, Deduct	*-81.26*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	420.13	53.89
		For Up To 10, Add	*105.58*	
		For >10 To 20, Add	*58.18*	
		For >20 To 40, Add	*31.79*	
		For >75 To 100, Deduct	*-15.89*	
		For >100 To 200, Deduct	*-34.48*	
		For >200, Deduct	*-50.37*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	457.76	80.84
		For Up To 10, Add	*123.89*	
		For >10 To 20, Add	*70.03*	
		For >20 To 40, Add	*39.06*	
		For >75 To 100, Deduct	*-19.53*	
		For >100 To 200, Deduct	*-43.10*	
		For >200, Deduct	*-62.63*	
		For 15 Year Warranty, Add	*3.00*	
		For Mechanically Fastened To Concrete Decks, Add	*40.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*41.74*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	312.41	53.89
		For Up To 10, Add	*84.04*	
		For >10 To 20, Add	*47.41*	
		For >20 To 40, Add	*26.40*	
		For >75 To 100, Deduct	*-13.20*	
		For >100 To 200, Deduct	*-29.09*	
		For >200, Deduct	*-42.29*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	397.94	57.26
		For Up To 10, Add	*102.49*	
		For >10 To 20, Add	*56.97*	
		For >20 To 40, Add	*31.35*	
		For >75 To 100, Deduct	*-15.67*	
		For >100 To 200, Deduct	*-34.21*	
		For >200, Deduct	*-49.89*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	528.71	60.63
		For Up To 10, Add	*130.00*	
		For >10 To 20, Add	*71.06*	
		For >20 To 40, Add	*38.56*	
		For >75 To 100, Deduct	*-19.28*	
		For >100 To 200, Deduct	*-41.59*	
		For >200, Deduct	*-60.88*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	377.26	80.84
		For Up To 10, Add	*107.79*	
		For >10 To 20, Add	*61.98*	
		For >20 To 40, Add	*35.03*	
		For >75 To 100, Deduct	*-17.52*	
		For >100 To 200, Deduct	*-39.07*	
		For >200, Deduct	*-56.59*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*32.17*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*117.15*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	462.80	84.21
		For Up To 10, Add	*126.24*	
		For >10 To 20, Add	*71.54*	
		For >20 To 40, Add	*39.98*	
		For >75 To 100, Deduct	*-19.99*	
		For >100 To 200, Deduct	*-44.19*	
		For >200, Deduct	*-64.18*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*32.17*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*129.91*	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	593.56	87.57
		For Up To 10, Add	*153.74*	
		For >10 To 20, Add	*85.63*	
		For >20 To 40, Add	*47.19*	
		For >75 To 100, Deduct	*-23.60*	
		For >100 To 200, Deduct	*-51.57*	
		For >200, Deduct	*-75.17*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*32.17*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*143.83*	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	497.47	107.79
		For Up To 10, Add	*142.61*	
		For >10 To 20, Add	*82.08*	
		For >20 To 40, Add	*46.43*	
		For >75 To 100, Deduct	*-23.22*	
		For >100 To 200, Deduct	*-51.82*	
		For >200, Deduct	*-75.04*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For Low VOC Adhesive, Add	*80.43*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*117.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	583.01	111.15
		For Up To 10, Add	*161.06*	
		For >10 To 20, Add	*91.65*	
		For >20 To 40, Add	*51.38*	
		For >75 To 100, Deduct	*-25.69*	
		For >100 To 200, Deduct	*-56.94*	
		For >200, Deduct	*-82.63*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For Low VOC Adhesive, Add	*80.43*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*129.91*	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	713.76	114.52
		For Up To 10, Add	*188.56*	
		For >10 To 20, Add	*105.73*	
		For >20 To 40, Add	*58.59*	
		For >75 To 100, Deduct	*-29.30*	
		For >100 To 200, Deduct	*-64.32*	
		For >200, Deduct	*-93.62*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*80.43*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*143.83*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	349.79	80.84
		For Up To 10, Add	*102.29*	
		For >10 To 20, Add	*59.23*	
		For >20 To 40, Add	*33.66*	
		For >75 To 100, Deduct	*-16.83*	
		For >100 To 200, Deduct	*-37.70*	
		For >200, Deduct	*-54.53*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*40.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*41.74*	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	435.33	84.21
		For Up To 10, Add	*120.75*	
		For >10 To 20, Add	*68.80*	
		For >20 To 40, Add	*38.61*	
		For >75 To 100, Deduct	*-19.30*	
		For >100 To 200, Deduct	*-42.82*	
		For >200, Deduct	*-62.12*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*42.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.43*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	566.09	87.57
		For Up To 10, Add	*148.25*	
		For >10 To 20, Add	*82.88*	
		For >20 To 40, Add	*45.82*	
		For >75 To 100, Deduct	*-22.91*	
		For >100 To 200, Deduct	*-50.20*	
		For >200, Deduct	*-73.11*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*43.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*45.11*	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	77.85	
		For Up To 10, Add	*20.96*	
		For >10 To 20, Add	*11.83*	
		For >20 To 40, Add	*6.59*	
		For >75 To 100, Deduct	*-3.29*	
		For >100 To 200, Deduct	*-7.26*	
		For >200, Deduct	*-10.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	80.39	
		For Up To 10, Add	*21.47*	
		For >10 To 20, Add	*12.08*	
		For >20 To 40, Add	*6.71*	
		For >75 To 100, Deduct	*-3.36*	
		For >100 To 200, Deduct	*-7.39*	
		For >200, Deduct	*-10.75*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	50.32	12.80
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	70.41	12.80
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	128.37	12.80
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	169.42	14.15
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	38.50	7.82
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	7.47	2.02
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	9.48	3.03

07 53 29 Polyisobutylene Roofing *(07 53)*

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*
Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	554.87	60.63
		For Up To 10, Add	*135.23*	
		For >10 To 20, Add	*73.68*	
		For >20 To 40, Add	*39.87*	
		For >75 To 100, Deduct	*-19.94*	
		For >100 To 200, Deduct	*-42.90*	
		For >200, Deduct	*-62.84*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive.	625.50	87.57
		For Up To 10, Add	*160.13*	
		For >10 To 20, Add	*88.82*	
		For >20 To 40, Add	*48.79*	
		For >75 To 100, Deduct	*-24.40*	
		For >100 To 200, Deduct	*-53.17*	
		For >200, Deduct	*-77.57*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	754.39	114.52
		For Up To 10, Add	*196.69*	
		For >10 To 20, Add	*109.80*	
		For >20 To 40, Add	*60.62*	
		For >75 To 100, Deduct	*-30.31*	
		For >100 To 200, Deduct	*-66.35*	
		For >200, Deduct	*-96.66*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*
Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	261.21	53.89
		For Up To 10, Add	*73.80*	
		For >10 To 20, Add	*42.29*	
		For >20 To 40, Add	*23.84*	
		For >75 To 100, Deduct	*-11.92*	
		For >100 To 200, Deduct	*-26.53*	
		For >200, Deduct	*-38.45*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	290.99	57.26
		Note: Includes ballast.		
		For Up To 10, Add	*81.10*	
		For >10 To 20, Add	*46.28*	
		For >20 To 40, Add	*26.00*	
		For >75 To 100, Deduct	*-13.00*	
		For >100 To 200, Deduct	*-28.86*	
		For >200, Deduct	*-41.87*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	323.83	58.94
		Note: Includes ballast.		
		For Up To 10, Add	*88.34*	
		For >10 To 20, Add	*50.07*	
		For >20 To 40, Add	*27.98*	
		For >75 To 100, Deduct	*-13.99*	
		For >100 To 200, Deduct	*-30.93*	
		For >200, Deduct	*-44.92*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	340.02	60.63
		Note: Includes ballast.		
		For Up To 10, Add	*92.26*	
		For >10 To 20, Add	*52.19*	
		For >20 To 40, Add	*29.13*	
		For >75 To 100, Deduct	*-14.56*	
		For >100 To 200, Deduct	*-32.16*	
		For >200, Deduct	*-46.72*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	490.96	107.79
		Note: Includes adhesive.		
		For Up To 10, Add	*141.31*	
		For >10 To 20, Add	*81.43*	
		For >20 To 40, Add	*46.11*	
		For >75 To 100, Deduct	*-23.05*	
		For >100 To 200, Deduct	*-51.49*	
		For >200, Deduct	*-74.55*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*84.43*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	520.76	111.15
		Note: Includes adhesive.		
		For Up To 10, Add	*148.61*	
		For >10 To 20, Add	*85.42*	
		For >20 To 40, Add	*48.27*	
		For >75 To 100, Deduct	*-24.13*	
		For >100 To 200, Deduct	*-53.83*	
		For >200, Deduct	*-77.96*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*84.43*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	553.59	112.84
		Note: Includes adhesive.		
		For Up To 10, Add	*155.85*	
		For >10 To 20, Add	*89.21*	
		For >20 To 40, Add	*50.25*	
		For >75 To 100, Deduct	*-25.12*	
		For >100 To 200, Deduct	*-55.89*	
		For >200, Deduct	*-81.01*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*84.43*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	569.77	114.52
		For Up To 10, Add	*159.76*	
		For >10 To 20, Add	*91.33*	
		For >20 To 40, Add	*51.39*	
		For >75 To 100, Deduct	*-25.70*	
		For >100 To 200, Deduct	*-57.12*	
		For >200, Deduct	*-82.82*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*84.43*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	290.34	80.84
		For Up To 10, Add	*90.40*	
		For >10 To 20, Add	*53.29*	
		For >20 To 40, Add	*30.69*	
		For >75 To 100, Deduct	*-15.34*	
		For >100 To 200, Deduct	*-34.73*	
		For >200, Deduct	*-50.07*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
		For Mechanically Fastened To Concrete Decks, Add	*40.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*41.74*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	320.14	84.21
		For Up To 10, Add	*97.71*	
		For >10 To 20, Add	*57.28*	
		For >20 To 40, Add	*32.85*	
		For >75 To 100, Deduct	*-16.42*	
		For >100 To 200, Deduct	*-37.06*	
		For >200, Deduct	*-53.48*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
		For Mechanically Fastened To Concrete Decks, Add	*42.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.43*	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	352.96	85.89
		For Up To 10, Add	*104.95*	
		For >10 To 20, Add	*61.06*	
		For >20 To 40, Add	*34.83*	
		For >75 To 100, Deduct	*-17.41*	
		For >100 To 200, Deduct	*-39.12*	
		For >200, Deduct	*-56.53*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
		For Mechanically Fastened To Concrete Decks, Add	*42.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*44.27*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	369.15	87.57
		For Up To 10, Add	*108.86*	
		For >10 To 20, Add	*63.19*	
		For >20 To 40, Add	*35.97*	
		For >75 To 100, Deduct	*-17.99*	
		For >100 To 200, Deduct	*-40.35*	
		For >200, Deduct	*-58.34*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
		For Mechanically Fastened To Concrete Decks, Add	*43.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*45.11*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	77.85	
		For Up To 10, Add	*20.96*	
		For >10 To 20, Add	*11.83*	
		For >20 To 40, Add	*6.59*	
		For >75 To 100, Deduct	*-3.29*	
		For >100 To 200, Deduct	*-7.26*	
		For >200, Deduct	*-10.56*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	80.39	
		For Up To 10, Add	*21.47*	
		For >10 To 20, Add	*12.08*	
		For >20 To 40, Add	*6.71*	
		For >75 To 100, Deduct	*-3.36*	
		For >100 To 200, Deduct	*-7.39*	
		For >200, Deduct	*-10.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	80.52	11.45
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	112.08	12.80
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	142.71	14.15
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	180.43	14.15
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	33.32	7.82
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	8.78	2.02
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	10.79	3.03
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	11.66	2.02

07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	489.00	107.79
		For Up To 10, Add	*140.91*	
		For >10 To 20, Add	*81.24*	
		For >20 To 40, Add	*46.01*	
		For >75 To 100, Deduct	*-23.00*	
		For >100 To 200, Deduct	*-51.40*	
		For >200, Deduct	*-74.40*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*80.43*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0003	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	510.79	109.47
		For Up To 10, Add	*145.95*	
		For >10 To 20, Add	*83.92*	
		For >20 To 40, Add	*47.43*	
		For >75 To 100, Deduct	*-23.72*	
		For >100 To 200, Deduct	*-52.91*	
		For >200, Deduct	*-76.62*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*80.43*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	522.36	111.15
		For Up To 10, Add	*148.93*	
		For >10 To 20, Add	*85.58*	
		For >20 To 40, Add	*48.35*	
		For >75 To 100, Deduct	*-24.17*	
		For >100 To 200, Deduct	*-53.91*	
		For >200, Deduct	*-78.08*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*80.43*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0005	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	665.87	114.52
		For Up To 10, Add	*178.98*	
		For >10 To 20, Add	*100.94*	
		For >20 To 40, Add	*56.20*	
		For >75 To 100, Deduct	*-28.10*	
		For >100 To 200, Deduct	*-61.92*	
		For >200, Deduct	*-90.02*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*80.43*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0006	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	328.30	80.84
		For Up To 10, Add	*98.00*	
		For >10 To 20, Add	*57.08*	
		For >20 To 40, Add	*32.58*	
		For >75 To 100, Deduct	*-16.29*	
		For >100 To 200, Deduct	*-36.63*	
		For >200, Deduct	*-52.92*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*40.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*41.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0007	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	350.09	82.52
		For Up To 10, Add	*103.03*	
		For >10 To 20, Add	*59.77*	
		For >20 To 40, Add	*34.01*	
		For >75 To 100, Deduct	*-17.00*	
		For >100 To 200, Deduct	*-38.14*	
		For >200, Deduct	*-55.14*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*41.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.58*	
07 54 23 00-0008	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	361.65	84.21
		For Up To 10, Add	*106.01*	
		For >10 To 20, Add	*61.43*	
		For >20 To 40, Add	*34.92*	
		For >75 To 100, Deduct	*-17.46*	
		For >100 To 200, Deduct	*-39.14*	
		For >200, Deduct	*-56.60*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*42.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.43*	
07 54 23 00-0009	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	505.16	87.57
		For Up To 10, Add	*136.06*	
		For >10 To 20, Add	*76.79*	
		For >20 To 40, Add	*42.77*	
		For >75 To 100, Deduct	*-21.39*	
		For >100 To 200, Deduct	*-47.15*	
		For >200, Deduct	*-68.54*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*43.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*45.11*	

07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0011	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	91.85	
		For Up To 10, Add	*23.76*	
		For >10 To 20, Add	*13.23*	
		For >20 To 40, Add	*7.29*	
		For >75 To 100, Deduct	*-3.64*	
		For >100 To 200, Deduct	*-7.96*	
		For >200, Deduct	*-11.61*	
07 54 23 00-0012	SQ	Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat Note: 55% solids by volume.	80.39	
		For Up To 10, Add	*21.47*	
		For >10 To 20, Add	*12.08*	
		For >20 To 40, Add	*6.71*	
		For >75 To 100, Deduct	*-3.36*	
		For >100 To 200, Deduct	*-7.39*	
		For >200, Deduct	*-10.75*	
		For Tan Or Gray Color, Add	*2.67*	
07 54 23 00-0013	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	69.82	11.45
07 54 23 00-0014	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	75.50	12.80
07 54 23 00-0015	EA	6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	135.90	14.15
07 54 23 00-0016	LF	30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad	32.93	7.82
07 54 23 00-0017	SF	Thermoplastic Polyolefin (TPO) Membrane Base Flashing	9.15	2.02
07 54 23 00-0018	SF	Thermoplastic Polyolefin (TPO) Curb Flashing	8.26	2.02
		For Tan Or Gray Color, Add	*0.11*	
07 54 23 00-0019	SF	Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	13.13	2.02

07 55 Protected Membrane Roofing *(07 50)*

See CSI section 07 26 13 00-0000 for wood deck building paper.

07 55 52 Modified Bituminous Protected Membrane Roofing *(07 55)*

07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	1,212.50	179.43
		For Each Additional Coat, Add	*181.88*	

07 56 00 00-0003 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	1,483.51	189.10
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	1,660.08	211.19

07 56 00 00-0006 Silicone Elastomeric Liquid Roofing *(07 56)*

07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	484.02	108.35
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	589.03	108.35
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	668.02	108.35

07 56 00 00-0010 Rubberized Acrylic Elastomeric Roof Coating, Sprayed On *(07 56)*

Note: As manufactured by Tru-Co, Inc.

07 56 00 00-0011 Rubberized Acrylic Elastomeric Roof Coating, Sprayed On Assemblies *(07 56 00 00-0010)*

07 56 00 00-0012	SQ	Elastomeric Installation Over Urethane Foam	1,105.37	
07 56 00 00-0013	SQ	Elastomeric Installation Over Decks	1,134.74	
07 56 00 00-0014	SQ	Elastomeric Installation Over Exterior, Waterproofing	457.75	
07 56 00 00-0015	SQ	Elastomeric Installation Over Existing Tar (Asphalt) And Gravel Roof	1,443.84	
07 56 00 00-0016	SQ	Elastomeric Installation Over New Construction, Waterproofing	808.84	
07 56 00 00-0017	SQ	Elastomeric Installation Over Mobile Home	533.56	
07 56 00 00-0018	SQ	Elastomeric Installation Over Corrugated Metal Roofs	626.03	
07 56 00 00-0019	SQ	Elastomeric Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface	1,197.83	
07 56 00 00-0020	SQ	4" Acrylic Gel With Fabric (Apply At Edges)	4.23	
07 56 00 00-0021	SQ	6" Acrylic Gel With Fabric (Apply At Edges)	5.98	

07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies *(07 56)*

Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.

07 56 00 00-0023	SF	Up To 50 SF White (High-Albedo) Polyurethane Coating	12.54	
07 56 00 00-0024	SF	>50 To 100 SF White (High-Albedo) Polyurethane Coating	11.97	
07 56 00 00-0025	SF	>100 To 500 SF White (High-Albedo) Polyurethane Coating	11.39	
07 56 00 00-0026	SEA	>500 To 1,000 SF White (High-Albedo) Polyurethane Coating	10.66	

07 56 00 00-0027 Elastomeric Asphalt/Urethane Liquid Roofing Membrane *(07 56)*

07 56 00 00-0028	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	1,861.62	108.35

07 56 00 00-0029 Urethane Liquid Roofing Membrane *(07 56)*

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0030	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	102.19	
07 56 00 00-0031	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	6.28	
07 56 00 00-0032	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	389.01	
07 56 00 00-0033	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	101.72	
07 56 00 00-0034	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	953.58	
07 56 00 00-0035	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,437.91	
07 56 00 00-0036	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	986.38	
07 56 00 00-0037	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	257.57	

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems *(07 57 13)*

07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.

07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	433.62	66.72
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	518.87	71.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	604.14	76.26
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	697.81	81.02
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	791.46	85.79
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	868.33	90.55
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	945.20	95.33
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,030.45	100.08
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,115.72	104.85
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,200.98	109.63
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,286.24	114.38

07 57 13 00-0015 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.

07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	446.69	66.72
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	531.95	71.49
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	617.21	76.26
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	702.47	81.02
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	787.73	85.79
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	873.00	90.55
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	958.27	95.33
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,043.52	100.08
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,128.79	104.85
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,214.06	109.63
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,299.31	114.38

07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	478.44	66.72
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	560.89	71.49
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	643.35	76.26
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	728.62	81.02
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	813.88	85.79
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	934.06	90.55
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,054.26	95.33
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,146.61	100.08
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,238.97	104.85
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,331.33	109.63
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,423.69	114.38

07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	487.78	66.72
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	580.13	71.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	672.49	76.26
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	764.85	81.02
07 57 13 00-0045	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	857.20	85.79
07 57 13 00-0046	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	949.56	90.55
07 57 13 00-0047	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,041.93	95.33
07 57 13 00-0048	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,134.29	100.08
07 57 13 00-0049	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,226.65	104.85
07 57 13 00-0050	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,319.01	109.63
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,411.36	114.38

07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0053	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	506.26	66.72
07 57 13 00-0054	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	598.61	71.49
07 57 13 00-0055	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	690.98	76.26
07 57 13 00-0056	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	783.34	81.02
07 57 13 00-0057	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	875.69	85.79
07 57 13 00-0058	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	968.05	90.55
07 57 13 00-0059	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,060.42	95.33
07 57 13 00-0060	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,152.77	100.08
07 57 13 00-0061	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,245.14	104.85
07 57 13 00-0062	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,337.50	109.63
07 57 13 00-0063	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,429.85	114.38

07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

07 57 13 00-0065	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	520.64	66.72
07 57 13 00-0066	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	612.99	71.49
07 57 13 00-0067	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	705.36	76.26
07 57 13 00-0068	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	797.72	81.02
07 57 13 00-0069	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	890.07	85.79
07 57 13 00-0070	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	982.43	90.55
07 57 13 00-0071	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,074.80	95.33
07 57 13 00-0072	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,167.15	100.08
07 57 13 00-0073	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,259.52	104.85
07 57 13 00-0074	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,351.88	109.63
07 57 13 00-0075	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,444.23	114.38

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001 Prepared Roll Roofing *(07 58)*

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing	273.19	42.70

07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001 Membrane Roofing Termination Bar *(07 59)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 59 00 00-0002	LF	Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	5.78	1.93

07 60 Flashing and Sheet Metal *(07)*

07 61 Sheet Metal Roofing *(07 60)*

07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001 Standing Seam Concealed Fastener Roofing *(07 61 13)*

07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	37.72	3.73
		For Steep Roof, Over 6 To 12, Add	*2.23*	
		For 140 MPH Wind Load, Add	*1.35*	
		For Panels <16" Wide, Add	*3.26*	
		For Up To 1,500, Add	*9.43*	
		For >1,500 To 5,000, Add	*5.66*	
		For >5,000 To 10,000, Add	*0.94*	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	41.29	4.04
		For Steep Roof, Over 6 To 12, Add	*2.42*	
		For 140 MPH Wind Load, Add	*1.47*	
		For Panels <16" Wide, Add	*3.56*	
		For Up To 1,500, Add	*10.32*	
		For >1,500 To 5,000, Add	*6.19*	
		For >5,000 To 10,000, Add	*1.03*	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	48.68	4.41
		For Steep Roof, Over 6 To 12, Add	*2.64*	
		For 140 MPH Wind Load, Add	*1.68*	
		For Panels <16" Wide, Add	*4.06*	
		For Up To 1,500, Add	*12.17*	
		For >1,500 To 5,000, Add	*7.30*	
		For >5,000 To 10,000, Add	*1.22*	

07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	44.10	4.04
		For Steep Roof, Over 6 To 12, Add	*2.42*	
		For 140 MPH Wind Load, Add	*1.53*	
		For Panels <16" Wide, Add	*3.70*	
		For Up To 1,500, Add	*11.03*	
		For >1,500 To 5,000, Add	*6.62*	
		For >5,000 To 10,000, Add	*1.10*	
		For Tin/Copper, Deduct	*-0.72*	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	53.46	4.21
		For Steep Roof, Over 6 To 12, Add	*2.52*	
		For 140 MPH Wind Load, Add	*1.74*	
		For Panels <16" Wide, Add	*4.23*	
		For Up To 1,500, Add	*13.37*	
		For >1,500 To 5,000, Add	*8.02*	
		For >5,000 To 10,000, Add	*1.34*	
		For Tin/Copper, Deduct	*-0.90*	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	60.79	4.41
		For Steep Roof, Over 6 To 12, Add	*2.64*	
		For 140 MPH Wind Load, Add	*1.92*	
		For Panels <16" Wide, Add	*4.67*	
		For Up To 1,500, Add	*15.20*	
		For >1,500 To 5,000, Add	*9.12*	
		For >5,000 To 10,000, Add	*1.52*	
		For Tin/Copper, Deduct	*-1.04*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	76.26	4.61
		For Steep Roof, Over 6 To 12, Add	*2.76*	
		For 140 MPH Wind Load, Add	*2.26*	
		For Panels <16" Wide, Add	*5.52*	
		For Up To 1,500, Add	*19.07*	
		For >1,500 To 5,000, Add	*11.44*	
		For >5,000 To 10,000, Add	*1.91*	
		For Tin/Copper, Deduct	*-1.34*	

07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	158.68	7.69
		For Steep Roof, Over 6 To 12, Add	*5.77*	
		For 140 MPH Wind Load, Add	*4.71*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	91.15	7.69
		For Steep Roof, Over 6 To 12, Add	*5.77*	
		For 140 MPH Wind Load, Add	*3.36*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	222.53	7.69
		For Steep Roof, Over 6 To 12, Add	*5.77*	
		For 140 MPH Wind Load, Add	*5.99*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	163.72	7.69
		For Steep Roof, Over 6 To 12, Add	*5.77*	
		For 140 MPH Wind Load, Add	*4.81*	

07 61 16 Batten Seam Sheet Metal Roofing *(07 61)*

07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0002		Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	46.45	4.41
		For Steep Roof, Over 6 To 12, Add	*2.64*	
		For 140 MPH Wind Load, Add	*1.63*	
		For Panels <16" Wide, Add	*3.95*	
		For Up To 1,500, Add	*11.61*	
		For >1,500 To 5,000, Add	*6.97*	
		For >5,000 To 10,000, Add	*1.16*	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	51.33	4.62
		For Steep Roof, Over 6 To 12, Add	*2.77*	
		For 140 MPH Wind Load, Add	*1.77*	
		For Panels <16" Wide, Add	*4.28*	
		For Up To 1,500, Add	*12.83*	
		For >1,500 To 5,000, Add	*7.70*	
		For >5,000 To 10,000, Add	*1.28*	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	59.90	4.84
		For Steep Roof, Over 6 To 12, Add	*2.90*	
		For 140 MPH Wind Load, Add	*1.97*	
		For Panels <16" Wide, Add	*4.79*	
		For Up To 1,500, Add	*14.98*	
		For >1,500 To 5,000, Add	*8.99*	
		For >5,000 To 10,000, Add	*1.50*	
07 61 16 00-0006		Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	47.20	4.04
		For Steep Roof, Over 6 To 12, Add	*2.42*	
		For 140 MPH Wind Load, Add	*1.59*	
		For Panels <16" Wide, Add	*3.85*	
		For Up To 1,500, Add	*11.80*	
		For >1,500 To 5,000, Add	*7.08*	
		For >5,000 To 10,000, Add	*1.18*	
		For Tin/Copper, Deduct	*-0.78*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	57.90	4.21
		For Steep Roof, Over 6 To 12, Add	*2.53*	
		For 140 MPH Wind Load, Add	*1.83*	
		For Panels <16" Wide, Add	*4.45*	
		For Up To 1,500, Add	*14.48*	
		For >1,500 To 5,000, Add	*8.69*	
		For >5,000 To 10,000, Add	*1.45*	
		For Tin/Copper, Deduct	*-0.99*	
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	64.92	4.41
		For Steep Roof, Over 6 To 12, Add	*2.64*	
		For 140 MPH Wind Load, Add	*2.00*	
		For Panels <16" Wide, Add	*4.87*	
		For Up To 1,500, Add	*16.23*	
		For >1,500 To 5,000, Add	*9.74*	
		For >5,000 To 10,000, Add	*1.62*	
		For Tin/Copper, Deduct	*-1.12*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	81.58	4.61
		For Steep Roof, Over 6 To 12, Add	*2.76*	
		For 140 MPH Wind Load, Add	*2.37*	
		For Panels <16" Wide, Add	*5.78*	
		For Up To 1,500, Add	*20.40*	
		For >1,500 To 5,000, Add	*12.24*	
		For >5,000 To 10,000, Add	*2.04*	
		For Tin/Copper, Deduct	*-1.45*	
07 61 19		**Flat Seam Sheet Metal Roofing** *(07 61)*		
07 61 19 00-0001		Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*		
07 61 19 00-0002		Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*		
07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	35.83	4.04
		For Steep Roof, Over 6 To 12, Add	*2.42*	
		For 140 MPH Wind Load, Add	*1.36*	
		For Panels <16" Wide, Add	*3.28*	
		For Up To 1,500, Add	*8.96*	
		For >1,500 To 5,000, Add	*5.37*	
		For >5,000 To 10,000, Add	*0.90*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	39.44	4.21
		For Steep Roof, Over 6 To 12, Add	*2.53*	
		For 140 MPH Wind Load, Add	*1.46*	
		For Panels <16" Wide, Add	*3.53*	
		For Up To 1,500, Add	*9.86*	
		For >1,500 To 5,000, Add	*5.92*	
		For >5,000 To 10,000, Add	*0.99*	
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	45.72	4.41
		For Steep Roof, Over 6 To 12, Add	*2.64*	
		For 140 MPH Wind Load, Add	*1.62*	
		For Panels <16" Wide, Add	*3.91*	
		For Up To 1,500, Add	*11.43*	
		For >1,500 To 5,000, Add	*6.86*	
		For >5,000 To 10,000, Add	*1.14*	
07 61 19 00-0006		Zinc/Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	41.29	4.04
		For Steep Roof, Over 6 To 12, Add	*2.42*	
		For 140 MPH Wind Load, Add	*1.47*	
		For Panels <16" Wide, Add	*3.56*	
		For Up To 1,500, Add	*10.32*	
		For >1,500 To 5,000, Add	*6.19*	
		For >5,000 To 10,000, Add	*1.03*	
		For Tin/Copper, Deduct	*-0.66*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	50.51	4.21
		For Steep Roof, Over 6 To 12, Add	*2.53*	
		For 140 MPH Wind Load, Add	*1.68*	
		For Panels <16" Wide, Add	*4.08*	
		For Up To 1,500, Add	*12.63*	
		For >1,500 To 5,000, Add	*7.58*	
		For >5,000 To 10,000, Add	*1.26*	
		For Tin/Copper, Deduct	*-0.84*	
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	56.80	4.41
		For Steep Roof, Over 6 To 12, Add	*2.64*	
		For 140 MPH Wind Load, Add	*1.84*	
		For Panels <16" Wide, Add	*4.47*	
		For Up To 1,500, Add	*14.20*	
		For >1,500 To 5,000, Add	*8.52*	
		For >5,000 To 10,000, Add	*1.42*	
		For Tin/Copper, Deduct	*-0.96*	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	71.24	4.61
		For Steep Roof, Over 6 To 12, Add	*2.76*	
		For 140 MPH Wind Load, Add	*2.16*	
		For Panels <16" Wide, Add	*5.27*	
		For Up To 1,500, Add	*17.81*	
		For >1,500 To 5,000, Add	*10.69*	
		For >5,000 To 10,000, Add	*1.78*	
		For Tin/Copper, Deduct	*-1.24*	

07 62 Sheet Metal Flashing and Trim *(07 60)*

07 62 13 Fabricated Copings *(07 62)*

07 62 13 00-0001 Lead Flashing And Trim *(07 62 13)*

07 62 13 00-0002	SF	2.5 Lb./SF, Sheet Lead Flashing	25.05	6.26
		For Up To 100, Add	*6.26*	
07 62 13 00-0003	SF	4 Lb./SF, Sheet Lead Flashing	32.58	6.26
		For Up To 100, Add	*8.15*	

07 62 13 00-0004 Copper Flashing And Trim *(07 62 13)*

07 62 13 00-0005 Copper Flashing And Trim *(07 62 13 00-0004)*

07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	29.82	6.11
		For Up To 100, Add	*7.46*	
		For >500 To 2,000, Deduct	*-4.12*	
		For >2,000, Deduct	*-5.00*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.42*	
		For Wrap Around Window Panning, Add	*12.09*	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	30.81	6.26
		For Up To 100, Add	*7.70*	
		For >500 To 2,000, Deduct	*-4.26*	
		For >2,000, Deduct	*-5.17*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.53*	
		For Wrap Around Window Panning, Add	*12.63*	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	35.05	6.67
		For Up To 100, Add	*8.76*	
		For >500 To 2,000, Deduct	*-4.82*	
		For >2,000, Deduct	*-5.91*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.65*	
		For Wrap Around Window Panning, Add	*13.24*	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	42.98	6.95
		For Up To 100, Add	*10.75*	
		For >500 To 2,000, Deduct	*-5.87*	
		For >2,000, Deduct	*-7.32*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.78*	
		For Wrap Around Window Panning, Add	*13.90*	

07 62 13 00-0010 Stainless Steel Flashing And Trim *(07 62 13)*

07 62 13 00-0011 Stainless Steel Flashing And Trim *(07 62 13 00-0010)*

07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	11.75	3.34
		For Up To 100, Add	*2.94*	
		For Wrap Around Window Panning, Add	*8.58*	
		For Mechanically Keyed Flashing, Add	*1.27*	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	12.68	3.75
		For Up To 100, Add	*3.17*	
		For Wrap Around Window Panning, Add	*8.72*	
		For Mechanically Keyed Flashing, Add	*1.58*	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	13.61	4.17
		For Up To 100, Add	*3.40*	
		For Wrap Around Window Panning, Add	*8.86*	
		For Mechanically Keyed Flashing, Add	*1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	15.08	4.59
		For Up To 100, Add	*3.77*	
		For Wrap Around Window Panning, Add	*9.14*	
		For Mechanically Keyed Flashing, Add	*2.38*	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	17.57	4.87
		For Up To 100, Add	*4.39*	
		For Wrap Around Window Panning, Add	*9.66*	
		For Mechanically Keyed Flashing, Add	*3.16*	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	19.15	5.11
		For Up To 100, Add	*4.79*	
		For Wrap Around Window Panning, Add	*10.22*	
		For Mechanically Keyed Flashing, Add	*3.57*	
07 62 13 00-0018	SF	20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim	20.49	5.42
		For Up To 100, Add	*5.12*	
		For Wrap Around Window Panning, Add	*10.81*	
		For Mechanically Keyed Flashing, Add	*3.87*	

07 62 13 00-0019 Aluminum Flashing And Trim *(07 62 13)*

07 62 13 00-0020 Aluminum Flashing And Trim *(07 62 13 00-0019)*

07 62 13 00-0021	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	13.88	4.30
		For Up To 100, Add	*3.47*	
		For Baked Aluminum Colors, Add	*0.43*	
		For Wrap Around Window Panning, Add	*9.58*	
07 62 13 00-0022	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	14.81	4.30
		For Up To 100, Add	*3.70*	
		For Baked Aluminum Colors, Add	*0.52*	
		For Wrap Around Window Panning, Add	*9.58*	
07 62 13 00-0023	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	15.56	4.30
		For Up To 100, Add	*3.89*	
		For Baked Aluminum Colors, Add	*0.60*	
		For Wrap Around Window Panning, Add	*9.58*	
07 62 13 00-0024	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	16.63	4.30
		For Up To 100, Add	*4.16*	
		For Baked Aluminum Colors, Add	*0.71*	
		For Wrap Around Window Panning, Add	*9.58*	
07 62 13 00-0025	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	18.13	4.30
		For Up To 100, Add	*4.53*	
		For Baked Aluminum Colors, Add	*0.86*	
		For Wrap Around Window Panning, Add	*9.58*	
07 62 13 00-0026	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	19.05	4.30
		For Up To 100, Add	*4.76*	
		For Baked Aluminum Colors, Add	*0.95*	
		For Wrap Around Window Panning, Add	*9.58*	
07 62 13 00-0027	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	19.80	4.30
		For Up To 100, Add	*4.95*	
		For Baked Aluminum Colors, Add	*1.02*	
		For Wrap Around Window Panning, Add	*9.58*	

07 62 13 00-0028 Steel Flashing And Trim *(07 62 13)*

07 62 13 00-0029 Galvanized Steel Flashing And Trim *(07 62 13 00-0028)*

07 62 13 00-0030	SF	28 Gauge, 0.019" Thick, Galvanized Steel Flashing	13.55	4.17
		For Up To 100, Add	*3.39*	
		For Wrap Around Window Panning, Add	*8.86*	
07 62 13 00-0031	SF	26 Gauge, 0.022" Thick, Galvanized Steel Flashing	14.08	4.59
		For Up To 100, Add	*3.52*	
		For Wrap Around Window Panning, Add	*9.14*	
07 62 13 00-0032	SF	24 Gauge, 0.028" Thick, Galvanized Steel Flashing	15.00	4.87
		For Up To 100, Add	*3.75*	
		For Wrap Around Window Panning, Add	*9.66*	
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing	15.94	5.11
		For Up To 100, Add	*3.99*	
		For Wrap Around Window Panning, Add	*10.22*	
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing	17.21	5.42
		For Up To 100, Add	*4.30*	
		For Wrap Around Window Panning, Add	*10.81*	

07 62 19 Fabricated Gravel Stops and Fasciae *(07 62)*

07 62 19 00-0001 Drip Edge *(07 62 19)*

07 62 19 00-0002 Aluminum Drip Edge *(07 62 19 00-0001)*

Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.

07 62 19 00-0003 KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*

07 62 19 00-0004 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*

07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.33	2.15
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.74	2.29
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.01	2.57
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.95	2.72
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.38	2.86

07 62 19 00-0010 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*

07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.28	2.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.80	2.29
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.59	2.57
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.84	2.72
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.17	2.86
07 62 19 00-0016		0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.22	2.15
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.06	2.29
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.11	2.57
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.74	2.72
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.70	2.86
07 62 19 00-0022		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.12	2.15
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.59	2.29
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.12	2.57
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.53	2.72
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	39.76	2.86
07 62 19 00-0028		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.75	2.15
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.54	2.29
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.12	2.57
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.80	2.72
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.44	2.86
07 62 19 00-0034		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.96	2.15
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.38	2.29
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.59	2.57
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	37.22	2.72
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	47.34	2.86
07 62 19 00-0040		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.12	2.15
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.59	2.29
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.60	2.57
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	43.54	2.72
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	55.76	2.86
07 62 19 00-0046		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.92	2.15
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.65	2.29
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.60	2.57
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	51.12	2.72
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	65.87	2.86
07 62 19 00-0052		Mill Finish, Aluminum Drip Edge *(07 62 19 00-0002)*		
07 62 19 00-0053		0.016" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	11.88	2.15
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	14.41	2.29
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	16.15	2.57
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	19.05	2.72
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	23.62	2.86
07 62 19 00-0059		0.019" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	12.53	2.15
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	15.14	2.29
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	17.24	2.57
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	20.35	2.72
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	24.85	2.86
07 62 19 00-0065		0.025" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	13.19	2.15
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	16.01	2.29
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	18.29	2.57
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	21.66	2.72
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	26.59	2.86
07 62 19 00-0071		0.032" Thick, Mill Finish, Aluminum Drip Edge *(07 62 19 00-0052)*		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	14.49	2.15
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	17.75	2.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	20.36	2.57
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	24.27	2.72
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	30.08	2.86
07 62 19 00-0077		**0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	14.93	2.15
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	18.40	2.29
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	21.05	2.57
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	25.15	2.72
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	31.24	2.86
07 62 19 00-0083		**0.050" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	16.45	2.15
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	20.36	2.29
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	23.45	2.57
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	28.20	2.72
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	35.31	2.86
07 62 19 00-0089		**0.063" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	18.63	2.15
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	23.27	2.29
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	26.90	2.57
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	32.56	2.72
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	41.12	2.86
07 62 19 00-0095		**0.080" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	21.25	2.15
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	26.76	2.29
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	31.04	2.57
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	37.79	2.72
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	48.09	2.86
07 62 19 00-0101		**Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0102		**0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	14.80	2.15
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.39	2.29
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.75	2.57
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.90	2.72
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	31.69	2.86
07 62 19 00-0108		**0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.81	2.15
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.50	2.29
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.43	2.57
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.91	2.72
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.59	2.86
07 62 19 00-0114		**0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	16.81	2.15
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.84	2.29
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.05	2.57
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.91	2.72
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	36.27	2.86
07 62 19 00-0120		**0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.82	2.15
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.52	2.29
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.23	2.57
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.93	2.72
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	41.63	2.86
07 62 19 00-0126		**0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.49	2.15
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.53	2.29
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.29	2.57
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	34.27	2.72
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	43.41	2.86
07 62 19 00-0132		**0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.84	2.15
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.54	2.29
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	31.97	2.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	38.96	2.72
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	49.66	2.86
07 62 19 00-0138		0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.19	2.15
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.01	2.29
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.28	2.57
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	45.66	2.72
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	58.59	2.86
07 62 19 00-0144		0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.20	2.15
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.37	2.29
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	43.64	2.57
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	53.70	2.72
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	69.31	2.86
07 62 19 00-0150		Galvanized Steel Drip Edge *(07 62 19 00-0001)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0152		26 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	13.69	2.15
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	16.75	2.29
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	19.10	2.57
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	22.68	2.72
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	27.95	2.86
07 62 19 00-0158		24 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	14.79	2.15
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	18.21	2.29
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	20.82	2.57
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	24.87	2.72
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	30.84	2.86
07 62 19 00-0164		KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0165		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	16.96	2.15
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	21.13	2.29
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	24.28	2.57
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	29.21	2.72
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	36.67	2.86
07 62 19 00-0171		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	18.54	2.15
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	23.25	2.29
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	26.78	2.57
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	32.37	2.72
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	40.88	2.86
07 62 19 00-0177		Stainless Steel Drip Edge *(07 62 19 00-0001)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	22.99	2.15
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	29.09	2.29
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	33.81	2.57
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	41.28	2.72
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	52.75	2.86
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	28.21	2.15
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	36.04	2.29
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	42.09	2.57
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	51.71	2.72
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	66.66	2.86
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	34.35	2.15
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	44.22	2.29
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	51.80	2.57
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	63.98	2.72
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	83.02	2.86

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001 Pitch Pockets *(07 63)*

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	99.45	
		For Pourable Sealer Filled, Add	*40.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	119.71	
		For Pourable Sealer Filled, Add	*91.38*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	145.61	
		For Pourable Sealer Filled, Add	*162.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	159.88	
		For Pourable Sealer Filled, Add	*202.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	173.32	
		For Pourable Sealer Filled, Add	*243.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	203.48	
		For Pourable Sealer Filled, Add	*365.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	103.44	
		For Pourable Sealer Filled, Add	*40.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	124.17	
		For Pourable Sealer Filled, Add	*91.38*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	151.32	
		For Pourable Sealer Filled, Add	*162.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	168.75	
		For Pourable Sealer Filled, Add	*202.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	182.02	
		For Pourable Sealer Filled, Add	*243.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	212.86	
		For Pourable Sealer Filled, Add	*365.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	109.84	
		For Pourable Sealer Filled, Add	*40.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	130.78	
		For Pourable Sealer Filled, Add	*91.38*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	152.23	
		For Pourable Sealer Filled, Add	*162.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	165.54	
		For Pourable Sealer Filled, Add	*202.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	177.80	
		For Pourable Sealer Filled, Add	*243.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	205.61	
		For Pourable Sealer Filled, Add	*365.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)*

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	93.11	
		For Pourable Sealer Filled, Add	*40.59*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	105.54	
		For Pourable Sealer Filled, Add	*91.38*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	121.92	
		For Pourable Sealer Filled, Add	*162.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	132.48	
		For Pourable Sealer Filled, Add	*202.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	143.04	
		For Pourable Sealer Filled, Add	*243.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	169.00	
		For Pourable Sealer Filled, Add	*365.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	

07 63 00 00-0030 Lead Pipe Flashing For Roofs *(07 63)*

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Pipe	103.06	34.12
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Pipe	103.06	34.12
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Pipe	122.57	34.12
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Pipe	133.72	34.12
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe	139.30	34.12
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Pipe	142.09	34.12
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Pipe	169.96	34.12
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Pipe	182.51	34.12

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	88.73	22.05
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	90.00	22.05
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	94.57	22.05
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	98.51	22.05

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	15.39	2.70

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Neoprene Flashing *(07 65 19 00-0002)*

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	11.53	3.84
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	14.98	4.12
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	18.86	4.55
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	22.98	5.13

07 65 33 Flexible Roof Boot *(07 65)*

07 65 33 00-0001 Neoprene Roof Boot *(07 65 33)*

07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	49.82	11.81
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	58.04	13.23
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	64.05	14.24

07 70 Roof and Wall Specialties and Accessories *(07)*

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	36.23	3.08
		For Up To 25 LF, Add	*5.68*	
		For >25 To 100 LF, Add	*2.84*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	38.24	3.35
		For Up To 25 LF, Add	*6.05*	
		For >25 To 100 LF, Add	*3.03*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	43.52	3.52
		For Up To 25 LF, Add	*6.70*	
		For >25 To 100 LF, Add	*3.35*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	50.47	3.86
		For Up To 25 LF, Add	*7.62*	
		For >25 To 100 LF, Add	*3.81*	
		For >1,000 LF, Deduct	*-0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	60.78	4.03
		For Up To 25 LF, Add	*8.77*	
		For >25 To 100 LF, Add	*4.38*	
		For >1,000 LF, Deduct	*-0.67*	

07 71 13 00-0008 Aluminum Copings *(07 71 13)*

07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.98	3.08
		For Up To 25 LF, Add	*4.96*	
		For >25 To 100 LF, Add	*2.48*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.94	3.35
		For Up To 25 LF, Add	*5.32*	
		For >25 To 100 LF, Add	*2.66*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	35.95	3.52
		For Up To 25 LF, Add	*5.94*	
		For >25 To 100 LF, Add	*2.97*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	42.79	3.86
		For Up To 25 LF, Add	*6.85*	
		For >25 To 100 LF, Add	*3.43*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	52.92	4.03
		For Up To 25 LF, Add	*7.98*	
		For >25 To 100 LF, Add	*3.99*	
		For >1,000 LF, Deduct	*-0.67*	

07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.36	3.08
		For Up To 25 LF, Add	*5.20*	
		For >25 To 100 LF, Add	*2.60*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.48	3.35
		For Up To 25 LF, Add	*5.58*	
		For >25 To 100 LF, Add	*2.79*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	38.96	3.52
		For Up To 25 LF, Add	*6.24*	
		For >25 To 100 LF, Add	*3.12*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	46.43	3.86
		For Up To 25 LF, Add	*7.22*	
		For >25 To 100 LF, Add	*3.61*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	57.53	4.03
		For Up To 25 LF, Add	*8.44*	
		For >25 To 100 LF, Add	*4.22*	
		For >1,000 LF, Deduct	*-0.67*	

07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.32	3.08
		For Up To 25 LF, Add	*5.39*	
		For >25 To 100 LF, Add	*2.70*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	35.74	3.35
		For Up To 25 LF, Add	*5.80*	
		For >25 To 100 LF, Add	*2.90*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	42.70	3.52
		For Up To 25 LF, Add	*6.62*	
		For >25 To 100 LF, Add	*3.31*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	53.13	3.86
		For Up To 25 LF, Add	*7.89*	
		For >25 To 100 LF, Add	*3.94*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	68.38	4.03
		For Up To 25 LF, Add	*9.53*	
		For >25 To 100 LF, Add	*4.76*	
		For >1,000 LF, Deduct	*-0.67*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0028		KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029		0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.70	3.08
		For Up To 25 LF, Add	*6.03*	
		For >25 To 100 LF, Add	*3.02*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	42.36	3.35
		For Up To 25 LF, Add	*6.46*	
		For >25 To 100 LF, Add	*3.23*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	49.49	3.52
		For Up To 25 LF, Add	*7.30*	
		For >25 To 100 LF, Add	*3.65*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	59.16	3.86
		For Up To 25 LF, Add	*8.49*	
		For >25 To 100 LF, Add	*4.24*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	73.70	4.03
		For Up To 25 LF, Add	*10.06*	
		For >25 To 100 LF, Add	*5.03*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0035		0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.15	3.08
		For Up To 25 LF, Add	*6.38*	
		For >25 To 100 LF, Add	*3.19*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.04	3.35
		For Up To 25 LF, Add	*6.83*	
		For >25 To 100 LF, Add	*3.42*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	53.85	3.52
		For Up To 25 LF, Add	*7.73*	
		For >25 To 100 LF, Add	*3.87*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	64.43	3.86
		For Up To 25 LF, Add	*9.02*	
		For >25 To 100 LF, Add	*4.51*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	80.40	4.03
		For Up To 25 LF, Add	*10.73*	
		For >25 To 100 LF, Add	*5.36*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 13 00-0041		0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.99	3.08
		For Up To 25 LF, Add	*6.66*	
		For >25 To 100 LF, Add	*3.33*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	49.32	3.35
		For Up To 25 LF, Add	*7.16*	
		For >25 To 100 LF, Add	*3.58*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	59.27	3.52
		For Up To 25 LF, Add	*8.28*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	74.15	3.86
		For Up To 25 LF, Add	*9.99*	
		For >25 To 100 LF, Add	*4.99*	
		For >1,000 LF, Deduct	*-0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	96.13	4.03
		For Up To 25 LF, Add	*12.30*	
		For >25 To 100 LF, Add	*6.15*	
		For >1,000 LF, Deduct	*-0.67*	

07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	41.77	3.08
		For Up To 25 LF, Add	*6.24*	
		For >25 To 100 LF, Add	*3.12*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.57	3.35
		For Up To 25 LF, Add	*6.69*	
		For >25 To 100 LF, Add	*3.34*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	52.10	3.52
		For Up To 25 LF, Add	*7.56*	
		For >25 To 100 LF, Add	*3.78*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	62.32	3.86
		For Up To 25 LF, Add	*8.80*	
		For >25 To 100 LF, Add	*4.40*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	77.72	4.03
		For Up To 25 LF, Add	*10.46*	
		For >25 To 100 LF, Add	*5.23*	
		For >1,000 LF, Deduct	*-0.67*	

07 71 13 00-0054 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	45.43	3.08
		For Up To 25 LF, Add	*6.60*	
		For >25 To 100 LF, Add	*3.30*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	48.47	3.35
		For Up To 25 LF, Add	*7.08*	
		For >25 To 100 LF, Add	*3.54*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	56.73	3.52
		For Up To 25 LF, Add	*8.02*	
		For >25 To 100 LF, Add	*4.01*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	67.91	3.86
		For Up To 25 LF, Add	*9.36*	
		For >25 To 100 LF, Add	*4.68*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	84.82	4.03
		For Up To 25 LF, Add	*11.17*	
		For >25 To 100 LF, Add	*5.59*	
		For >1,000 LF, Deduct	*-0.67*	

07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	48.44	3.08
		For Up To 25 LF, Add	*6.90*	
		For >25 To 100 LF, Add	*3.45*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	51.95	3.35
		For Up To 25 LF, Add	*7.42*	
		For >25 To 100 LF, Add	*3.71*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	62.47	3.52
		For Up To 25 LF, Add	*8.60*	
		For >25 To 100 LF, Add	*4.30*	
		For >1,000 LF, Deduct	*-0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	78.21	3.86
		For Up To 25 LF, Add	*10.39*	
		For >25 To 100 LF, Add	*5.20*	
		For >1,000 LF, Deduct	*-0.64*	
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	101.49	4.03
		For Up To 25 LF, Add	*12.84*	
		For >25 To 100 LF, Add	*6.42*	
		For >1,000 LF, Deduct	*-0.67*	

07 71 19 Manufactured Gravel Stops and Fasciae *(07 71)*

07 71 19 00-0001 Gravel Stop *(07 71 19)*

07 71 19 00-0002 Aluminum Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0003 Aluminum Gravel Stop *(07 71 19 00-0002)*

07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	42.74	2.43
		For Up To 25 LF, Add	*7.13*	
		For >25 To 100 LF, Add	*3.57*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	44.31	2.86
		For Up To 25 LF, Add	*7.81*	
		For >25 To 100 LF, Add	*3.90*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.91	3.14
		For Up To 25 LF, Add	*8.42*	
		For >25 To 100 LF, Add	*4.21*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.36	2.43
		For Up To 25 LF, Add	*7.40*	
		For >25 To 100 LF, Add	*3.70*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	47.05	2.86
		For Up To 25 LF, Add	*8.08*	
		For >25 To 100 LF, Add	*4.04*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.79	3.14
		For Up To 25 LF, Add	*8.71*	
		For >25 To 100 LF, Add	*4.35*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0013 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.77	2.43
		For Up To 25 LF, Add	*7.74*	
		For >25 To 100 LF, Add	*3.87*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.31	2.86
		For Up To 25 LF, Add	*8.41*	
		For >25 To 100 LF, Add	*4.20*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	52.42	3.14
		For Up To 25 LF, Add	*9.07*	
		For >25 To 100 LF, Add	*4.54*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0017 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	51.09	2.43
		For Up To 25 LF, Add	*7.97*	
		For >25 To 100 LF, Add	*3.98*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	52.72	2.86
		For Up To 25 LF, Add	*8.65*	
		For >25 To 100 LF, Add	*4.32*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	54.97	3.14
		For Up To 25 LF, Add	*9.33*	
		For >25 To 100 LF, Add	*4.66*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0021 Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	28.21	2.43
		For Up To 25 LF, Add	*5.68*	
		For >25 To 100 LF, Add	*2.84*	
		For >1,000 LF, Deduct	*-0.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	30.52	2.86
		For Up To 25 LF, Add	*6.43*	
		For >25 To 100 LF, Add	*3.21*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	32.81	3.14
		For Up To 25 LF, Add	*7.11*	
		For >25 To 100 LF, Add	*3.55*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	30.39	2.43
		For Up To 25 LF, Add	*5.90*	
		For >25 To 100 LF, Add	*2.95*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	32.41	2.86
		For Up To 25 LF, Add	*6.62*	
		For >25 To 100 LF, Add	*3.31*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	34.27	3.14
		For Up To 25 LF, Add	*7.26*	
		For >25 To 100 LF, Add	*3.63*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	32.57	2.43
		For Up To 25 LF, Add	*6.12*	
		For >25 To 100 LF, Add	*3.06*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	34.59	2.86
		For Up To 25 LF, Add	*6.84*	
		For >25 To 100 LF, Add	*3.42*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	36.63	3.14
		For Up To 25 LF, Add	*7.49*	
		For >25 To 100 LF, Add	*3.75*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	34.93	2.43
		For Up To 25 LF, Add	*6.35*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	36.77	2.86
		For Up To 25 LF, Add	*7.05*	
		For >25 To 100 LF, Add	*3.53*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	38.38	3.14
		For Up To 25 LF, Add	*7.67*	
		For >25 To 100 LF, Add	*3.83*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	50.80	2.43
		For Up To 25 LF, Add	*7.94*	
		For >25 To 100 LF, Add	*3.97*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.72	2.86
		For Up To 25 LF, Add	*8.65*	
		For >25 To 100 LF, Add	*4.32*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.44	3.14
		For Up To 25 LF, Add	*9.27*	
		For >25 To 100 LF, Add	*4.64*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	53.94	2.43
		For Up To 25 LF, Add	*8.25*	
		For >25 To 100 LF, Add	*4.13*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	56.00	2.86
		For Up To 25 LF, Add	*8.98*	
		For >25 To 100 LF, Add	*4.49*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	57.87	3.14
		For Up To 25 LF, Add	*9.62*	
		For >25 To 100 LF, Add	*4.81*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	58.04	2.43
		For Up To 25 LF, Add	*8.66*	
		For >25 To 100 LF, Add	*4.33*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.92	2.86
		For Up To 25 LF, Add	*9.37*	
		For >25 To 100 LF, Add	*4.68*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	61.50	3.14
		For Up To 25 LF, Add	*9.98*	
		For >25 To 100 LF, Add	*4.99*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.82	2.43
		For Up To 25 LF, Add	*8.94*	
		For >25 To 100 LF, Add	*4.47*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	62.81	2.86
		For Up To 25 LF, Add	*9.66*	
		For >25 To 100 LF, Add	*4.83*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	64.50	3.14
		For Up To 25 LF, Add	*10.28*	
		For >25 To 100 LF, Add	*5.14*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	48.17	2.57
		For Up To 25 LF, Add	*7.96*	
		For >25 To 100 LF, Add	*3.98*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	51.34	3.07
		For Up To 25 LF, Add	*8.85*	
		For >25 To 100 LF, Add	*4.43*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.91	3.51
		For Up To 25 LF, Add	*9.72*	
		For >25 To 100 LF, Add	*4.86*	
		For >1,000 LF, Deduct	*-1.06*	

07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.79	2.57
		For Up To 25 LF, Add	*8.22*	
		For >25 To 100 LF, Add	*4.11*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.07	3.07
		For Up To 25 LF, Add	*9.12*	
		For >25 To 100 LF, Add	*4.56*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	57.79	3.51
		For Up To 25 LF, Add	*10.01*	
		For >25 To 100 LF, Add	*5.01*	
		For >1,000 LF, Deduct	*-1.06*	

07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.20	2.57
		For Up To 25 LF, Add	*8.56*	
		For >25 To 100 LF, Add	*4.28*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	57.34	3.07
		For Up To 25 LF, Add	*9.45*	
		For >25 To 100 LF, Add	*4.73*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	61.42	3.51
		For Up To 25 LF, Add	*10.37*	
		For >25 To 100 LF, Add	*5.19*	
		For >1,000 LF, Deduct	*-1.06*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.52	2.57
		For Up To 25 LF, Add	*8.80*	
		For >25 To 100 LF, Add	*4.40*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.74	3.07
		For Up To 25 LF, Add	*9.69*	
		For >25 To 100 LF, Add	*4.85*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	63.97	3.51
		For Up To 25 LF, Add	*10.63*	
		For >25 To 100 LF, Add	*5.31*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	35.66	2.57
		For Up To 25 LF, Add	*6.71*	
		For >25 To 100 LF, Add	*3.36*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.29	3.07
		For Up To 25 LF, Add	*7.55*	
		For >25 To 100 LF, Add	*3.77*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.27	3.51
		For Up To 25 LF, Add	*8.36*	
		For >25 To 100 LF, Add	*4.18*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0078		0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.47	2.57
		For Up To 25 LF, Add	*6.89*	
		For >25 To 100 LF, Add	*3.45*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.17	3.07
		For Up To 25 LF, Add	*7.73*	
		For >25 To 100 LF, Add	*3.87*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	43.27	3.51
		For Up To 25 LF, Add	*8.56*	
		For >25 To 100 LF, Add	*4.28*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0082		0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.82	2.57
		For Up To 25 LF, Add	*7.13*	
		For >25 To 100 LF, Add	*3.56*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.43	3.07
		For Up To 25 LF, Add	*7.96*	
		For >25 To 100 LF, Add	*3.98*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	45.63	3.51
		For Up To 25 LF, Add	*8.80*	
		For >25 To 100 LF, Add	*4.40*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0086		0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.42	2.57
		For Up To 25 LF, Add	*7.29*	
		For >25 To 100 LF, Add	*3.64*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	44.08	3.07
		For Up To 25 LF, Add	*8.12*	
		For >25 To 100 LF, Add	*4.06*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	47.38	3.51
		For Up To 25 LF, Add	*8.97*	
		For >25 To 100 LF, Add	*4.49*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0090		Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0091		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	56.23	2.57
		For Up To 25 LF, Add	*8.77*	
		For >25 To 100 LF, Add	*4.38*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	59.75	3.07
		For Up To 25 LF, Add	*9.69*	
		For >25 To 100 LF, Add	*4.85*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	63.44	3.51
		For Up To 25 LF, Add	*10.58*	
		For >25 To 100 LF, Add	*5.29*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0095		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	59.37	2.57
		For Up To 25 LF, Add	*9.08*	
		For >25 To 100 LF, Add	*4.54*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	63.03	3.07
		For Up To 25 LF, Add	*10.02*	
		For >25 To 100 LF, Add	*5.01*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.87	3.51
		For Up To 25 LF, Add	*10.92*	
		For >25 To 100 LF, Add	*5.46*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0099		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	63.47	2.57
		For Up To 25 LF, Add	*9.49*	
		For >25 To 100 LF, Add	*4.75*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.95	3.07
		For Up To 25 LF, Add	*10.41*	
		For >25 To 100 LF, Add	*5.21*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	70.50	3.51
		For Up To 25 LF, Add	*11.28*	
		For >25 To 100 LF, Add	*5.64*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0103		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.25	2.57
		For Up To 25 LF, Add	*9.77*	
		For >25 To 100 LF, Add	*4.88*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	69.83	3.07
		For Up To 25 LF, Add	*10.70*	
		For >25 To 100 LF, Add	*5.35*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	73.50	3.51
		For Up To 25 LF, Add	*11.58*	
		For >25 To 100 LF, Add	*5.79*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0107		Stainless Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0108		Stainless Steel Gravel Stop *(07 71 19 00-0107)*		
07 71 19 00-0109		26 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	41.00	2.43
		For Up To 25 LF, Add	*6.96*	
		For >25 To 100 LF, Add	*3.48*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	53.74	2.86
		For Up To 25 LF, Add	*8.75*	
		For >25 To 100 LF, Add	*4.38*	
		For >1,000 LF, Deduct	*-0.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	79.31	3.14
		For Up To 25 LF, Add	*11.76*	
		For >25 To 100 LF, Add	*5.88*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	50.81	2.43
		For Up To 25 LF, Add	*7.94*	
		For >25 To 100 LF, Add	*3.97*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	66.83	2.86
		For Up To 25 LF, Add	*10.06*	
		For >25 To 100 LF, Add	*5.03*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	98.94	3.14
		For Up To 25 LF, Add	*13.72*	
		For >25 To 100 LF, Add	*6.86*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	61.24	2.43
		For Up To 25 LF, Add	*8.98*	
		For >25 To 100 LF, Add	*4.49*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	80.73	2.86
		For Up To 25 LF, Add	*11.45*	
		For >25 To 100 LF, Add	*5.72*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	119.80	3.14
		For Up To 25 LF, Add	*15.81*	
		For >25 To 100 LF, Add	*7.90*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	48.35	2.57
		For Up To 25 LF, Add	*7.98*	
		For >25 To 100 LF, Add	*3.99*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	63.28	3.07
		For Up To 25 LF, Add	*10.04*	
		For >25 To 100 LF, Add	*5.02*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	91.56	3.51
		For Up To 25 LF, Add	*13.39*	
		For >25 To 100 LF, Add	*6.69*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	58.17	2.57
		For Up To 25 LF, Add	*8.96*	
		For >25 To 100 LF, Add	*4.48*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	76.37	3.07
		For Up To 25 LF, Add	*11.35*	
		For >25 To 100 LF, Add	*5.68*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	111.20	3.51
		For Up To 25 LF, Add	*15.35*	
		For >25 To 100 LF, Add	*7.68*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	68.60	2.57
		For Up To 25 LF, Add	*10.00*	
		For >25 To 100 LF, Add	*5.00*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	90.27	3.07
		For Up To 25 LF, Add	*12.74*	
		For >25 To 100 LF, Add	*6.37*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	132.06	3.51
		For Up To 25 LF, Add	*17.44*	
		For >25 To 100 LF, Add	*8.72*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0134		Galvanized Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0135		Galvanized Steel Gravel Stop *(07 71 19 00-0134)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	39.27	2.43
		For Up To 25 LF, Add	*6.79*	
		For >25 To 100 LF, Add	*3.39*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	40.79	2.86
		For Up To 25 LF, Add	*7.46*	
		For >25 To 100 LF, Add	*3.73*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	42.55	3.14
		For Up To 25 LF, Add	*8.08*	
		For >25 To 100 LF, Add	*4.04*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	44.85	2.57
		For Up To 25 LF, Add	*7.63*	
		For >25 To 100 LF, Add	*3.81*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	48.01	3.07
		For Up To 25 LF, Add	*8.52*	
		For >25 To 100 LF, Add	*4.26*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	51.81	3.51
		For Up To 25 LF, Add	*9.41*	
		For >25 To 100 LF, Add	*4.71*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	65.08	2.43
		For Up To 25 LF, Add	*9.37*	
		For >25 To 100 LF, Add	*4.68*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	74.56	2.86
		For Up To 25 LF, Add	*10.83*	
		For >25 To 100 LF, Add	*5.42*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	86.10	3.14
		For Up To 25 LF, Add	*12.44*	
		For >25 To 100 LF, Add	*6.22*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	78.82	2.43
		For Up To 25 LF, Add	*10.74*	
		For >25 To 100 LF, Add	*5.37*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	91.35	2.86
		For Up To 25 LF, Add	*12.51*	
		For >25 To 100 LF, Add	*6.26*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	104.42	3.14
		For Up To 25 LF, Add	*14.27*	
		For >25 To 100 LF, Add	*7.14*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	67.78	2.57
		For Up To 25 LF, Add	*9.92*	
		For >25 To 100 LF, Add	*4.96*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	78.00	3.07
		For Up To 25 LF, Add	*11.52*	
		For >25 To 100 LF, Add	*5.76*	
		For >1,000 LF, Deduct	*-0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	90.47	3.51
		For Up To 25 LF, Add	*13.28*	
		For >25 To 100 LF, Add	*6.64*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	81.52	2.57
		For Up To 25 LF, Add	*11.30*	
		For >25 To 100 LF, Add	*5.65*	
		For >1,000 LF, Deduct	*-0.79*	
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	94.80	3.07
		For Up To 25 LF, Add	*13.20*	
		For >25 To 100 LF, Add	*6.60*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	108.79	3.51
		For Up To 25 LF, Add	*15.11*	
		For >25 To 100 LF, Add	*7.56*	
		For >1,000 LF, Deduct	*-1.06*	
07 71 19 00-0166		Fascia *(07 71 19)*		
07 71 19 00-0167		Snap-On Cover Fascia *(07 71 19 00-0166)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*		
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	47.80	3.58
		For Up To 25 LF, Add	*7.64*	
		For >25 To 100 LF, Add	*3.82*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	53.70	3.72
		For Up To 25 LF, Add	*8.35*	
		For >25 To 100 LF, Add	*4.17*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	57.48	3.86
		For Up To 25 LF, Add	*8.84*	
		For >25 To 100 LF, Add	*4.42*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*		
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	327.65	5.01
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	349.87	5.01
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	363.83	5.01
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	267.14	5.01
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	278.36	5.01
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	285.19	5.01
07 71 19 00-0183		Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	27.50	3.58
		For Up To 25 LF, Add	*5.61*	
		For >25 To 100 LF, Add	*2.81*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.00	3.72
		For Up To 25 LF, Add	*6.08*	
		For >25 To 100 LF, Add	*3.04*	
		For >1,000 LF, Deduct	*-0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	32.86	3.86
		For Up To 25 LF, Add	*6.37*	
		For >25 To 100 LF, Add	*3.19*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	28.83	3.58
		For Up To 25 LF, Add	*5.74*	
		For >25 To 100 LF, Add	*2.87*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	32.71	3.72
		For Up To 25 LF, Add	*6.25*	
		For >25 To 100 LF, Add	*3.12*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	34.78	3.86
		For Up To 25 LF, Add	*6.57*	
		For >25 To 100 LF, Add	*3.28*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	171.95	5.01
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	186.33	5.01
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	192.62	5.01
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	136.49	5.01
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	143.66	5.01
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	146.79	5.01
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.57	3.58
		For Up To 25 LF, Add	*6.02*	
		For >25 To 100 LF, Add	*3.01*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	35.71	3.72
		For Up To 25 LF, Add	*6.55*	
		For >25 To 100 LF, Add	*3.27*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	37.88	3.86
		For Up To 25 LF, Add	*6.88*	
		For >25 To 100 LF, Add	*3.44*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.16	3.58
		For Up To 25 LF, Add	*6.18*	
		For >25 To 100 LF, Add	*3.09*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	37.76	3.72
		For Up To 25 LF, Add	*6.75*	
		For >25 To 100 LF, Add	*3.38*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	40.19	3.86
		For Up To 25 LF, Add	*7.11*	
		For >25 To 100 LF, Add	*3.55*	
		For >1,000 LF, Deduct	*-0.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	212.43	5.01
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	230.41	5.01
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	238.27	5.01
07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	168.11	5.01
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	177.07	5.01
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	180.99	5.01

07 71 23 Manufactured Gutters and Downspouts *(07 71)*

Note: Includes all necessary support straps.

07 71 23 00-0001		Aluminum Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0002		Aluminum Gutters *(07 71 23 00-0001)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003		K-Style Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	11.86	5.14
		For Up To 100', Add	*2.46*	
		For >100' To 250', Add	*1.02*	
		For >1,000', Deduct	*-0.85*	
		For Kynar 500® Finish, Add	*1.52*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	13.20	5.42
		For Up To 100', Add	*2.65*	
		For >100' To 250', Add	*1.10*	
		For >1,000', Deduct	*-0.89*	
		For Kynar 500® Finish, Add	*1.94*	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	12.35	5.14
		For Up To 100', Add	*2.51*	
		For >100' To 250', Add	*1.04*	
		For >1,000', Deduct	*-0.85*	
		For Kynar 500® Finish, Add	*1.74*	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	13.83	5.42
		For Up To 100', Add	*2.72*	
		For >100' To 250', Add	*1.14*	
		For >1,000', Deduct	*-0.89*	
		For Kynar 500® Finish, Add	*2.22*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	25.53	5.70
		For Up To 100', Add	*3.99*	
		For >100' To 250', Add	*1.76*	
		For >1,000', Deduct	*-0.96*	
		For Kynar 500® Finish, Add	*7.18*	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	28.00	6.40
		For Up To 100', Add	*4.38*	
		For >100' To 250', Add	*1.93*	
		For >1,000', Deduct	*-1.06*	
		For Kynar 500® Finish, Add	*7.85*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	31.36	6.40
		For Up To 100', Add	*4.72*	
		For >100' To 250', Add	*2.10*	
		For >1,000', Deduct	*-1.06*	
		For Kynar 500® Finish, Add	*9.36*	
07 71 23 00-0011		Half Round Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	21.61	5.14
		For Up To 100', Add	*3.43*	
		For >100' To 250', Add	*1.50*	
		For >1,000', Deduct	*-0.85*	
		For Kynar 500® Finish, Add	*5.91*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	25.98	5.42
		For Up To 100', Add	*3.93*	
		For >100' To 250', Add	*1.74*	
		For >1,000', Deduct	*-0.89*	
		For Kynar 500® Finish, Add	*7.69*	
07 71 23 00-0014		Box Style Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	22.74	6.40
		For Up To 100', Add	*3.86*	
		For >100' To 250', Add	*1.67*	
		For >1,000', Deduct	*-1.06*	
		For Kynar 500® Finish, Add	*5.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	22.80	6.40
		For Up To 100', Add	*3.86*	
		For >100' To 250', Add	*1.67*	
		For >1,000', Deduct	*-1.06*	
		For Kynar 500® Finish, Add	*5.51*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	26.50	6.81
		For Up To 100', Add	*4.34*	
		For >100' To 250', Add	*1.89*	
		For >1,000', Deduct	*-1.13*	
		For Kynar 500® Finish, Add	*6.86*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	29.91	7.23
		For Up To 100', Add	*4.78*	
		For >100' To 250', Add	*2.09*	
		For >1,000', Deduct	*-1.20*	
		For Kynar 500® Finish, Add	*8.08*	

07 71 23 00-0019 Aluminum Gutter End Caps *(07 71 23 00-0001)*

07 71 23 00-0020 K-Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	3.95	
		For Kynar 500® Finish, Add	*0.53*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	4.91	
		For Kynar 500® Finish, Add	*0.96*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	10.72	
		For Kynar 500® Finish, Add	*3.57*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	12.49	
		For Kynar 500® Finish, Add	*4.37*	

07 71 23 00-0025 Half Round, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	6.39	
		For Kynar 500® Finish, Add	*1.62*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	9.92	
		For Kynar 500® Finish, Add	*3.21*	

07 71 23 00-0028 Box Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	11.69	
		For Kynar 500® Finish, Add	*4.01*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	12.71	
		For Kynar 500® Finish, Add	*4.47*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	14.93	
		For Kynar 500® Finish, Add	*5.47*	

07 71 23 00-0032 Aluminum Gutter Miters *(07 71 23 00-0001)*

Note: Inside or outside miters.

07 71 23 00-0033 K-Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	23.33	
		For Kynar 500® Finish, Add	*4.18*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	31.08	
		For Kynar 500® Finish, Add	*7.23*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	93.34	
		For Kynar 500® Finish, Add	*34.81*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	101.33	
		For Kynar 500® Finish, Add	*37.90*	

07 71 23 00-0038 Half Round, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	40.37	
		For Kynar 500® Finish, Add	*11.85*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	63.51	
		For Kynar 500® Finish, Add	*21.83*	

07 71 23 00-0041 Box Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	75.64	
		For Kynar 500® Finish, Add	*27.28*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	112.69	
		For Kynar 500® Finish, Add	*43.52*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	122.39	
		For Kynar 500® Finish, Add	*47.38*	

07 71 23 00-0045 Aluminum Gutter Wire Strainers *(07 71 23 00-0001)*

07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	16.79	3.47
		For Kynar 500® Finish, Add	*4.30*	
		For 0.024" Thick, Add	*1.34*	
		For 0.027" Thick, Add	*2.77*	
		For 0.031" Thick, Add	*4.01*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	24.83	3.47
		For Kynar 500® Finish, Add	*7.92*	
		For 0.024" Thick, Add	*2.46*	
		For 0.027" Thick, Add	*5.10*	
		For 0.031" Thick, Add	*7.39*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 71 23 00-0048 Aluminum Downspouts *(07 71 23 00-0001)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0049 Round Aluminum Downspouts *(07 71 23 00-0048)*

07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout	8.24	3.34
		For Up To 100', Add	*1.37*	
		For >100 To 250', Add	*0.59*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*2.08*	
		For 0.024" Thick, Add	*0.65*	
		For 0.027" Thick, Add	*1.34*	
		For 0.031" Thick, Add	*1.94*	
07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout	9.33	3.34
		For Up To 100', Add	*1.47*	
		For >100 To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*2.57*	
		For 0.024" Thick, Add	*0.80*	
		For 0.027" Thick, Add	*1.66*	
		For 0.031" Thick, Add	*2.40*	

07 71 23 00-0052 Rectangular Aluminum Downspouts *(07 71 23 00-0048)*

07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout	5.98	3.34
		For Up To 100', Add	*1.14*	
		For >100 To 250', Add	*0.48*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*1.07*	
		For 0.024" Thick, Add	*0.33*	
		For 0.027" Thick, Add	*0.69*	
		For 0.031" Thick, Add	*1.00*	
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout	7.36	3.34
		For Up To 100', Add	*1.28*	
		For >100 To 250', Add	*0.55*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*1.69*	
		For 0.024" Thick, Add	*0.53*	
		For 0.027" Thick, Add	*1.09*	
		For 0.031" Thick, Add	*1.58*	
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout	13.18	3.34
		For Up To 100', Add	*1.86*	
		For >100 To 250', Add	*0.84*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*4.31*	
		For 0.024" Thick, Add	*1.34*	
		For 0.027" Thick, Add	*2.78*	
		For 0.031" Thick, Add	*4.02*	

07 71 23 00-0056 Aluminum Devices *(07 71 23 00-0001)*

07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	279.79	32.02
		For Kynar 500® Finish, Add	*77.87*	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head	272.68	35.59
		For Kynar 500® Finish, Add	*90.68*	

07 71 23 00-0059 Copper Gutters And Downspouts *(07 71 23)*

07 71 23 00-0060 Copper Gutters *(07 71 23 00-0059)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0061 K-Style Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter	19.78	4.87
		For Up To 100', Add	*3.19*	
		For >100' To 250', Add	*1.39*	
		For >1,000', Deduct	*-0.81*	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter	27.53	5.14
		For Up To 100', Add	*4.03*	
		For >100' To 250', Add	*1.80*	
		For >1,000', Deduct	*-0.85*	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	32.62	5.42
		For Up To 100', Add	*4.60*	
		For >100' To 250', Add	*2.08*	
		For >1,000', Deduct	*-0.89*	
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	34.37	5.14
		For Up To 100', Add	*4.71*	
		For >100' To 250', Add	*2.14*	
		For >1,000', Deduct	*-0.85*	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	42.31	5.42
		For Up To 100', Add	*5.56*	
		For >100' To 250', Add	*2.56*	
		For >1,000', Deduct	*-0.89*	
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	49.29	5.70
		For Up To 100', Add	*6.37*	
		For >100' To 250', Add	*2.94*	
		For >1,000', Deduct	*-0.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	54.79	6.40
		For Up To 100', Add	*7.06*	
		For >100' To 250', Add	*3.27*	
		For >1,000', Deduct	*-1.06*	

07 71 23 00-0069 Half Round Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	23.96	5.14
		For Up To 100', Add	*3.67*	
		For >100' To 250', Add	*1.62*	
		For >1,000', Deduct	*-0.85*	
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	29.96	5.42
		For Up To 100', Add	*4.33*	
		For >100' To 250', Add	*1.94*	
		For >1,000', Deduct	*-0.89*	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	49.25	5.70
		For Up To 100', Add	*6.36*	
		For >100' To 250', Add	*2.94*	
		For >1,000', Deduct	*-0.96*	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	27.70	5.14
		For Up To 100', Add	*4.04*	
		For >100' To 250', Add	*1.81*	
		For >1,000', Deduct	*-0.85*	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	33.93	5.42
		For Up To 100', Add	*4.73*	
		For >100' To 250', Add	*2.14*	
		For >1,000', Deduct	*-0.89*	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	51.67	5.70
		For Up To 100', Add	*6.60*	
		For >100' To 250', Add	*3.06*	
		For >1,000', Deduct	*-0.96*	
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	58.65	6.40
		For Up To 100', Add	*7.45*	
		For >100' To 250', Add	*3.46*	
		For >1,000', Deduct	*-1.06*	

07 71 23 00-0077 Box Style Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	27.91	5.83
		For Up To 100', Add	*4.25*	
		For >100' To 250', Add	*1.88*	
		For >1,000', Deduct	*-0.97*	
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	30.04	6.40
		For Up To 100', Add	*4.59*	
		For >100' To 250', Add	*2.03*	
		For >1,000', Deduct	*-1.06*	
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	36.16	6.81
		For Up To 100', Add	*5.30*	
		For >100' To 250', Add	*2.37*	
		For >1,000', Deduct	*-1.13*	
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	37.01	7.23
		For Up To 100', Add	*5.49*	
		For >100' To 250', Add	*2.45*	
		For >1,000', Deduct	*-1.20*	
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	31.56	5.83
		For Up To 100', Add	*4.62*	
		For >100' To 250', Add	*2.06*	
		For >1,000', Deduct	*-0.97*	
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	33.69	6.40
		For Up To 100', Add	*4.95*	
		For >100' To 250', Add	*2.21*	
		For >1,000', Deduct	*-1.06*	
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	39.81	6.81
		For Up To 100', Add	*5.67*	
		For >100' To 250', Add	*2.55*	
		For >1,000', Deduct	*-1.13*	
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	40.66	7.23
		For Up To 100', Add	*5.86*	
		For >100' To 250', Add	*2.63*	
		For >1,000', Deduct	*-1.20*	

07 71 23 00-0086 Copper Gutter End Caps *(07 71 23 00-0059)*

07 71 23 00-0087 K-Style, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap	6.82
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap	7.27
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap	7.71
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap	19.67
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap	23.87

07 71 23 00-0093 Half Round, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap	8.15
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap	9.09
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap	13.47
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap	39.52
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap	46.59

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0099		**Box Style, Copper Gutter End Caps** *(07 71 23 00-0086)*		
07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap	15.19	
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap	15.92	
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap	16.65	
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap	18.11	
07 71 23 00-0104		**Copper Gutter Miters** *(07 71 23 00-0059)*		
		Note: Inside or outside miters.		
07 71 23 00-0105		**K-Style, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter	43.03	
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter	48.61	
07 71 23 00-0108	EA	6", K-Style Copper Gutter Miter	69.02	
07 71 23 00-0109	EA	7", K-Style Copper Gutter Miter	96.69	
07 71 23 00-0110	EA	8", K-Style Copper Gutter Miter	113.14	
07 71 23 00-0111		**Half Round, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0112	EA	4", Half Round Copper Gutter Miter	65.86	
07 71 23 00-0113	EA	5", Half Round Copper Gutter Miter	61.26	
07 71 23 00-0114	EA	6", Half Round Copper Gutter Miter	87.32	
07 71 23 00-0115	EA	7", Half Round Copper Gutter Miter	103.79	
07 71 23 00-0116	EA	8", Half Round Copper Gutter Miter	122.34	
07 71 23 00-0117		**Box Style, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0118	EA	5", 16 Ounce Box Style Copper Gutter Miter	72.38	
07 71 23 00-0119	EA	6", 16 Ounce Box Style Copper Gutter Miter	74.81	
07 71 23 00-0120	EA	7", 16 Ounce Box Style Copper Gutter Miter	81.62	
07 71 23 00-0121	EA	8", 16 Ounce Box Style Copper Gutter Miter	83.41	
07 71 23 00-0122	EA	5", 20 Ounce Box Style Copper Gutter Miter	79.68	
07 71 23 00-0123	EA	6", 20 Ounce Box Style Copper Gutter Miter	82.11	
07 71 23 00-0124	EA	7", 20 Ounce Box Style Copper Gutter Miter	88.92	
07 71 23 00-0125	EA	8", 20 Ounce Box Style Copper Gutter Miter	97.34	
07 71 23 00-0126		**Copper Gutter Wire Strainers** *(07 71 23 00-0059)*		
07 71 23 00-0127	EA	2" Diameter, Round Copper Wire Strainer	21.68	3.47
07 71 23 00-0128	EA	3" Diameter, Round Copper Wire Strainer	26.43	3.47
07 71 23 00-0129	EA	4" Diameter, Round Copper Wire Strainer	41.92	3.47
07 71 23 00-0130	EA	5" Diameter, Round Copper Wire Strainer	55.42	3.47
07 71 23 00-0131	EA	6" Diameter, Round Copper Wire Strainer	66.72	3.47
07 71 23 00-0132		**Copper Downspouts** *(07 71 23 00-0059)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133		**Round Copper Downspouts** *(07 71 23 00-0132)*		
07 71 23 00-0134	LF	2" Diameter, 16 Ounce, Round Copper Downspout	26.77	3.34
		For Up To 100', Add	*3.22*	
		For >100 To 250', Add	*1.52*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0135	LF	3" Diameter, 16 Ounce, Round Copper Downspout	18.86	3.34
		For Up To 100', Add	*2.43*	
		For >100 To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0136	LF	4" Diameter, 16 Ounce, Round Copper Downspout	23.58	3.34
		For Up To 100', Add	*2.90*	
		For >100 To 250', Add	*1.36*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0137	LF	5" Diameter, 16 Ounce, Round Copper Downspout	37.26	3.34
		For Up To 100', Add	*4.27*	
		For >100 To 250', Add	*2.04*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0138	LF	6" Diameter, 16 Ounce, Round Copper Downspout	47.70	3.34
		For Up To 100', Add	*5.31*	
		For >100 To 250', Add	*2.57*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0139	LF	3" Diameter, 20 Ounce, Round Copper Downspout	25.26	3.34
		For Up To 100', Add	*3.07*	
		For >100 To 250', Add	*1.44*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0140	LF	4" Diameter, 20 Ounce, Round Copper Downspout	32.56	3.34
		For Up To 100', Add	*3.80*	
		For >100 To 250', Add	*1.81*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0141	LF	5" Diameter, 20 Ounce, Round Copper Downspout	49.12	3.34
		For Up To 100', Add	*5.45*	
		For >100 To 250', Add	*2.64*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0142		**Square Copper Downspouts** *(07 71 23 00-0132)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0143	LF	3" Diameter, 16 Ounce, Square Copper Downspout	13.29	3.34
		For Up To 100', Add	*1.87*	
		For >100 To 250', Add	*0.85*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0144	LF	4" Diameter, 16 Ounce, Square Copper Downspout	16.42	3.34
		For Up To 100', Add	*2.18*	
		For >100 To 250', Add	*1.00*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0145	LF	5" Diameter, 16 Ounce, Square Copper Downspout	23.20	3.34
		For Up To 100', Add	*2.86*	
		For >100 To 250', Add	*1.34*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0146	LF	3" Diameter, 20 Ounce, Square Copper Downspout	15.22	3.34
		For Up To 100', Add	*2.06*	
		For >100 To 250', Add	*0.94*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0147	LF	4" Diameter, 20 Ounce, Square Copper Downspout	19.14	3.34
		For Up To 100', Add	*2.46*	
		For >100 To 250', Add	*1.14*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0148	LF	5" Diameter, 20 Ounce, Square Copper Downspout	27.18	3.34
		For Up To 100', Add	*3.26*	
		For >100 To 250', Add	*1.54*	
		For >1,000', Deduct	*-0.36*	

07 71 23 00-0149 Rectangular Copper Downspouts *(07 71 23 00-0132)*

07 71 23 00-0150	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	19.35	3.34
		For Up To 100', Add	*2.48*	
		For >100 To 250', Add	*1.15*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0151	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	24.28	3.34
		For Up To 100', Add	*2.97*	
		For >100 To 250', Add	*1.39*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0152	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	34.23	3.34
		For Up To 100', Add	*3.96*	
		For >100 To 250', Add	*1.89*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0153	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	22.41	3.34
		For Up To 100', Add	*2.78*	
		For >100 To 250', Add	*1.30*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0154	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	28.53	3.34
		For Up To 100', Add	*3.39*	
		For >100 To 250', Add	*1.61*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0155	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	40.64	3.34
		For Up To 100', Add	*4.61*	
		For >100 To 250', Add	*2.21*	
		For >1,000', Deduct	*-0.36*	

07 71 23 00-0156 Copper Devices And Accessories *(07 71 23 00-0059)*

07 71 23 00-0157	EA	Thru-Wall Copper Scupper Outlet	238.54	32.02
07 71 23 00-0158	EA	Copper Leader/Conductor Head	322.06	35.59
07 71 23 00-0159	EA	Copper Eave Box	144.18	20.85

07 71 23 00-0160 Galvanized Steel Gutters And Downspouts *(07 71 23)*

07 71 23 00-0161 Galvanized Steel Gutters *(07 71 23 00-0160)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0162 K-Style Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0163	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	14.97	5.14
		For Up To 100', Add	*2.77*	
		For >100' To 250', Add	*1.17*	
		For >1,000', Deduct	*-0.85*	
		For Kynar 500® Finish, Add	*2.92*	
		For 24 Gauge, Add	*1.82*	
		For 22 Gauge, Add	*3.57*	
07 71 23 00-0164	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	17.36	5.42
		For Up To 100', Add	*3.07*	
		For >100' To 250', Add	*1.31*	
		For >1,000', Deduct	*-0.89*	
		For Kynar 500® Finish, Add	*3.81*	
		For 24 Gauge, Add	*2.37*	
		For 22 Gauge, Add	*4.66*	
07 71 23 00-0165	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	35.64	5.70
		For Up To 100', Add	*5.00*	
		For >100' To 250', Add	*2.26*	
		For >1,000', Deduct	*-0.96*	
		For Kynar 500® Finish, Add	*11.73*	
		For 24 Gauge, Add	*7.30*	
		For 22 Gauge, Add	*14.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0166	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	37.61	6.40
		For Up To 100', Add	*5.35*	
		For >100' To 250', Add	*2.41*	
		For >1,000', Deduct	*-1.06*	
		For Kynar 500® Finish, Add	*12.17*	
		For 24 Gauge, Add	*7.57*	
		For 22 Gauge, Add	*14.88*	

07 71 23 00-0167 Half Round Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0168	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	21.67	5.14
		For Up To 100', Add	*3.44*	
		For >100' To 250', Add	*1.51*	
		For >1,000', Deduct	*-0.85*	
		For Kynar 500® Finish, Add	*5.94*	
		For 24 Gauge, Add	*3.69*	
		For 22 Gauge, Add	*7.25*	
07 71 23 00-0169	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	27.23	5.42
		For Up To 100', Add	*4.06*	
		For >100' To 250', Add	*1.81*	
		For >1,000', Deduct	*-0.89*	
		For Kynar 500® Finish, Add	*8.25*	
		For 24 Gauge, Add	*5.14*	
		For 22 Gauge, Add	*10.09*	
07 71 23 00-0170	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	68.00	5.70
		For Up To 100', Add	*8.24*	
		For >100' To 250', Add	*3.88*	
		For >1,000', Deduct	*-0.96*	
		For Kynar 500® Finish, Add	*26.29*	
		For 24 Gauge, Add	*16.36*	
		For 22 Gauge, Add	*32.13*	
07 71 23 00-0171	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	72.57	6.40
		For Up To 100', Add	*8.84*	
		For >100' To 250', Add	*4.16*	
		For >1,000', Deduct	*-1.06*	
		For Kynar 500® Finish, Add	*27.90*	
		For 24 Gauge, Add	*17.36*	
		For 22 Gauge, Add	*34.11*	

07 71 23 00-0172 Box Style Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0173	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	25.91	5.83
		For Up To 100', Add	*4.05*	
		For >100' To 250', Add	*1.78*	
		For >1,000', Deduct	*-0.97*	
		For Kynar 500® Finish, Add	*7.28*	
		For 22 Gauge, Add	*3.56*	
07 71 23 00-0174	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	30.37	6.40
		For Up To 100', Add	*4.62*	
		For >100' To 250', Add	*2.05*	
		For >1,000', Deduct	*-1.06*	
		For Kynar 500® Finish, Add	*8.91*	
		For 22 Gauge, Add	*4.36*	
07 71 23 00-0175	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	38.22	5.70
		For Up To 100', Add	*5.26*	
		For >100' To 250', Add	*2.39*	
		For >1,000', Deduct	*-0.96*	
		For Kynar 500® Finish, Add	*12.89*	
		For 22 Gauge, Add	*6.30*	
07 71 23 00-0176	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	42.51	7.23
		For Up To 100', Add	*6.04*	
		For >100' To 250', Add	*2.72*	
		For >1,000', Deduct	*-1.20*	
		For Kynar 500® Finish, Add	*13.75*	
		For 22 Gauge, Add	*6.72*	

07 71 23 00-0177 Galvanized Steel Gutter End Caps *(07 71 23 00-0160)*

07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0179	EA	5", K-Style Galvanized Steel Gutter End Cap	6.67	
		For Kynar 500® Finish, Add	*1.75*	
07 71 23 00-0180	EA	6", K-Style Galvanized Steel Gutter End Cap	7.69	
		For Kynar 500® Finish, Add	*2.21*	
07 71 23 00-0181	EA	7", K-Style Galvanized Steel Gutter End Cap	16.77	
		For Kynar 500® Finish, Add	*6.30*	
07 71 23 00-0182	EA	8", K-Style Galvanized Steel Gutter End Cap	24.35	
		For Kynar 500® Finish, Add	*9.71*	

07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0184	EA	5", Half Round Galvanized Steel Gutter End Cap	8.59	
		For Kynar 500® Finish, Add	*2.61*	
07 71 23 00-0185	EA	6", Half Round Galvanized Steel Gutter End Cap	9.90	
		For Kynar 500® Finish, Add	*3.20*	
07 71 23 00-0186	EA	7", Half Round Galvanized Steel Gutter End Cap	18.50	
		For Kynar 500® Finish, Add	*7.07*	
07 71 23 00-0187	EA	8", Half Round Galvanized Steel Gutter End Cap	25.03	
		For Kynar 500® Finish, Add	*10.01*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0189	EA	5", Box Style Galvanized Steel Gutter End Cap	15.46	
		For Kynar 500® Finish, Add	*5.71*	
07 71 23 00-0190	EA	6", Box Style Galvanized Steel Gutter End Cap	18.63	
		For Kynar 500® Finish, Add	*7.13*	
07 71 23 00-0191	EA	7", Box Style Galvanized Steel Gutter End Cap	20.88	
		For Kynar 500® Finish, Add	*8.15*	
07 71 23 00-0192	EA	8", Box Style Galvanized Steel Gutter End Cap	28.00	
		For Kynar 500® Finish, Add	*11.35*	

07 71 23 00-0193 Galvanized Steel Gutter Miters *(07 71 23 00-0160)*

Note: Inside or outside miters.

07 71 23 00-0194 K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0195	EA	5", K-Style Galvanized Steel Gutter Miter	40.38	
		For Kynar 500® Finish, Add	*11.85*	
07 71 23 00-0196	EA	6", K-Style Galvanized Steel Gutter Miter	65.42	
		For Kynar 500® Finish, Add	*22.68*	
07 71 23 00-0197	EA	7", K-Style Galvanized Steel Gutter Miter	104.63	
		For Kynar 500® Finish, Add	*39.89*	
07 71 23 00-0198	EA	8", K-Style Galvanized Steel Gutter Miter	117.61	
		For Kynar 500® Finish, Add	*45.23*	

07 71 23 00-0199 Half Round, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0200	EA	5", Half Round Galvanized Steel Gutter Miter	55.28	
		For Kynar 500® Finish, Add	*18.56*	
07 71 23 00-0201	EA	6", Half Round Galvanized Steel Gutter Miter	62.12	
		For Kynar 500® Finish, Add	*21.20*	
07 71 23 00-0202	EA	7", Half Round Galvanized Steel Gutter Miter	176.19	
		For Kynar 500® Finish, Add	*72.09*	
07 71 23 00-0203	EA	8", Half Round Galvanized Steel Gutter Miter	186.21	
		For Kynar 500® Finish, Add	*76.10*	

07 71 23 00-0204 Box Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0205	EA	5", Box Style Galvanized Steel Gutter Miter	52.30	
		For Kynar 500® Finish, Add	*17.22*	
07 71 23 00-0206	EA	6", Box Style Galvanized Steel Gutter Miter	85.13	
		For Kynar 500® Finish, Add	*31.55*	
07 71 23 00-0207	EA	7", Box Style Galvanized Steel Gutter Miter	110.56	
		For Kynar 500® Finish, Add	*42.56*	
07 71 23 00-0208	EA	8", Box Style Galvanized Steel Gutter Miter	117.61	
		For Kynar 500® Finish, Add	*45.23*	

07 71 23 00-0209 Galvanized Steel Gutter Wire Strainers *(07 71 23 00-0160)*

07 71 23 00-0210	EA	3" Diameter, Round Galvanized Steel Wire Strainer	14.84	3.47
		For Kynar 500® Finish, Add	*3.42*	
07 71 23 00-0211	EA	4" Diameter, Round Galvanized Steel Wire Strainer	21.32	3.47
		For Kynar 500® Finish, Add	*6.34*	

07 71 23 00-0212 Galvanized Steel Downspouts *(07 71 23 00-0160)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0213 Round Galvanized Steel Downspouts *(07 71 23 00-0212)*

07 71 23 00-0214	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	8.35	3.34
		For Up To 100', Add	*1.38*	
		For >100 To 250', Add	*0.60*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*2.13*	
		For 24 Gauge, Add	*1.33*	
		For 22 Gauge, Add	*2.61*	
07 71 23 00-0215	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	10.37	3.34
		For Up To 100', Add	*1.58*	
		For >100 To 250', Add	*0.70*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*3.04*	
		For 24 Gauge, Add	*1.89*	
		For 22 Gauge, Add	*3.72*	
07 71 23 00-0216	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	14.12	3.34
		For Up To 100', Add	*1.95*	
		For >100 To 250', Add	*0.89*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*4.73*	
		For 24 Gauge, Add	*2.94*	
		For 22 Gauge, Add	*5.78*	
07 71 23 00-0217	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	31.44	3.34
		For Up To 100', Add	*3.69*	
		For >100 To 250', Add	*1.75*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*12.52*	
		For 24 Gauge, Add	*7.79*	
		For 22 Gauge, Add	*15.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 71 23 00-0218 Square Galvanized Steel Downspouts *(07 71 23 00-0212)*

07 71 23 00-0219	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.48	3.34
		For Up To 100', Add	*1.49*	
		For >100 To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*2.64*	
		For 24 Gauge, Add	*1.64*	
		For 22 Gauge, Add	*3.23*	
07 71 23 00-0220	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	12.15	3.34
		For Up To 100', Add	*1.76*	
		For >100 To 250', Add	*0.79*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*3.84*	
		For 24 Gauge, Add	*2.39*	
		For 22 Gauge, Add	*4.70*	

07 71 23 00-0221 Rectangular Galvanized Steel Downspouts *(07 71 23 00-0212)*

07 71 23 00-0222	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	8.50	3.34
		For Up To 100', Add	*1.39*	
		For >100 To 250', Add	*0.61*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*2.20*	
		For 24 Gauge, Add	*1.37*	
		For 22 Gauge, Add	*2.69*	
07 71 23 00-0223	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	10.84	3.34
		For Up To 100', Add	*1.63*	
		For >100 To 250', Add	*0.72*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*3.25*	
		For 24 Gauge, Add	*2.02*	
		For 22 Gauge, Add	*3.98*	
07 71 23 00-0224	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	20.14	3.34
		For Up To 100', Add	*2.56*	
		For >100 To 250', Add	*1.19*	
		For >1,000', Deduct	*-0.36*	
		For Kynar 500® Finish, Add	*7.44*	
		For 24 Gauge, Add	*4.63*	
		For 22 Gauge, Add	*9.09*	

07 71 23 00-0225 Galvanized Steel Devices *(07 71 23 00-0160)*

07 71 23 00-0226	EA	Galvanized Steel Leader/Conductor Head	373.83	35.59
		For Kynar 500® Finish, Add	*136.20*	
07 71 23 00-0227	EA	Thru-Wall Galvanized Steel Scupper Outlet	198.97	32.02
		For Kynar 500® Finish, Add	*41.50*	

07 71 23 00-0228 Stainless Steel Gutters And Downspouts *(07 71 23)*

Note: AISI type 304 stainless steel.

07 71 23 00-0229 Stainless Steel Gutters *(07 71 23 00-0228)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0230 K-Style, Stainless Steel Gutters *(07 71 23 00-0229)*

07 71 23 00-0231	LF	5", 26 Gauge, K-Style Stainless Steel Gutter	31.25	5.14
		For Up To 100', Add	*4.40*	
		For >100' To 250', Add	*1.99*	
		For >1,000', Deduct	*-0.85*	
		For 316 Stainless Steel, Add	*8.65*	
		For 24 Gauge, Add	*7.51*	
		For 22 Gauge, Add	*15.03*	
		For 20 Gauge, Add	*22.54*	
07 71 23 00-0232	LF	6", 26 Gauge, K-Style Stainless Steel Gutter	37.36	5.42
		For Up To 100', Add	*5.07*	
		For >100' To 250', Add	*2.31*	
		For >1,000', Deduct	*-0.89*	
		For 316 Stainless Steel, Add	*10.82*	
		For 24 Gauge, Add	*9.40*	
		For 22 Gauge, Add	*18.79*	
		For 20 Gauge, Add	*28.19*	

07 71 23 00-0233 Half Round, Stainless Steel Gutters *(07 71 23 00-0229)*

07 71 23 00-0234	LF	5", 26 Gauge, Half Round Stainless Steel Gutter	42.96	5.14
		For Up To 100', Add	*5.57*	
		For >100' To 250', Add	*2.57*	
		For >1,000', Deduct	*-0.85*	
		For 316 Stainless Steel, Add	*13.10*	
		For 24 Gauge, Add	*11.38*	
		For 22 Gauge, Add	*22.76*	
		For 20 Gauge, Add	*34.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0235	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	51.92	5.42
		For Up To 100', Add	*6.53*	
		For >100' To 250', Add	*3.04*	
		For >1,000', Deduct	*-0.89*	
		For 316 Stainless Steel, Add	*16.35*	
		For 24 Gauge, Add	*14.20*	
		For 22 Gauge, Add	*28.40*	
		For 20 Gauge, Add	*42.60*	

07 71 23 00-0236 Box Style, Stainless Steel Gutters *(07 71 23 00-0229)*

07 71 23 00-0237	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	42.20	5.83
		For Up To 100', Add	*5.68*	
		For >100' To 250', Add	*2.60*	
		For >1,000', Deduct	*-0.97*	
		For 316 Stainless Steel, Add	*12.34*	
		For 24 Gauge, Add	*10.72*	
		For 22 Gauge, Add	*21.43*	
		For 20 Gauge, Add	*32.15*	
		For 18 Gauge, Add	*53.90*	
		For Seamless Gutter, Add	*-0.16*	
07 71 23 00-0238	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	51.35	6.40
		For Up To 100', Add	*6.72*	
		For >100' To 250', Add	*3.10*	
		For >1,000', Deduct	*-1.06*	
		For 316 Stainless Steel, Add	*15.50*	
		For 24 Gauge, Add	*13.46*	
		For 22 Gauge, Add	*26.92*	
		For 20 Gauge, Add	*40.38*	
		For 18 Gauge, Add	*67.71*	
		For Seamless Gutter, Add	*-0.46*	
07 71 23 00-0239	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	60.55	6.81
		For Up To 100', Add	*7.74*	
		For >100' To 250', Add	*3.59*	
		For >1,000', Deduct	*-1.13*	
		For 316 Stainless Steel, Add	*18.73*	
		For 24 Gauge, Add	*16.27*	
		For 22 Gauge, Add	*32.54*	
		For 20 Gauge, Add	*48.81*	
		For 18 Gauge, Add	*81.84*	
		For Seamless Gutter, Add	*-0.78*	
07 71 23 00-0240	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	65.81	7.23
		For Up To 100', Add	*8.37*	
		For >100' To 250', Add	*3.89*	
		For >1,000', Deduct	*-1.20*	
		For 316 Stainless Steel, Add	*20.47*	
		For 24 Gauge, Add	*17.77*	
		For 22 Gauge, Add	*35.55*	
		For 20 Gauge, Add	*53.32*	
		For 18 Gauge, Add	*89.41*	
		For Seamless Gutter, Add	*-0.90*	

07 71 23 00-0241 Stainless Steel Gutter End Caps *(07 71 23 00-0228)*

07 71 23 00-0242 K-Style, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0243	EA	5", K-Style Stainless Steel Gutter End Cap	9.90	
		For 316 Stainless Steel, Add	*2.71*	
07 71 23 00-0244	EA	6", K-Style Stainless Steel Gutter End Cap	11.33	
		For 316 Stainless Steel, Add	*3.25*	

07 71 23 00-0245 Half Round, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0246	EA	5", Half Round Stainless Steel Gutter End Cap	11.68	
		For 316 Stainless Steel, Add	*3.38*	
07 71 23 00-0247	EA	6", Half Round Stainless Steel Gutter End Cap	13.46	
		For 316 Stainless Steel, Add	*4.06*	

07 71 23 00-0248 Box Style, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0249	EA	5", Box Style Stainless Steel Gutter End Cap	12.37	
		For 316 Stainless Steel, Add	*3.38*	
07 71 23 00-0250	EA	6", Box Style Stainless Steel Gutter End Cap	14.15	
		For 316 Stainless Steel, Add	*4.06*	
07 71 23 00-0251	EA	7", Box Style Stainless Steel Gutter End Cap	14.78	
		For 316 Stainless Steel, Add	*4.39*	
07 71 23 00-0252	EA	8", Box Style Stainless Steel Gutter End Cap	17.91	
		For 316 Stainless Steel, Add	*5.40*	

07 71 23 00-0253 Stainless Steel Gutter Miters *(07 71 23 00-0228)*

Note: Inside or outside box miters.

07 71 23 00-0254 K-Style, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

07 71 23 00-0255	EA	5", K-Style Stainless Steel Gutter Miter	50.84	
		For 316 Stainless Steel, Add	*13.98*	
07 71 23 00-0256	EA	6", K-Style Stainless Steel Gutter Miter	80.30	
		For 316 Stainless Steel, Add	*24.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0257		**Half Round, Stainless Steel Gutter Miters** *(07 71 23 00-0253)*		
07 71 23 00-0258	EA	5", Half Round Stainless Steel Gutter Miter	122.07	
		For 316 Stainless Steel, Add	*41.05*	
07 71 23 00-0259	EA	6", Half Round Stainless Steel Gutter Miter	149.11	
		For 316 Stainless Steel, Add	*50.96*	
07 71 23 00-0260		**Box-Style, Stainless Steel Gutter Miters** *(07 71 23 00-0253)*		
07 71 23 00-0261	EA	5", Box-Style Stainless Steel Gutter Miter	58.20	
		For 316 Stainless Steel, Add	*16.78*	
07 71 23 00-0262	EA	6", Box-Style Stainless Steel Gutter Miter	93.36	
		For 316 Stainless Steel, Add	*29.77*	
07 71 23 00-0263	EA	7", Box-Style Stainless Steel Gutter Miter	107.39	
		For 316 Stainless Steel, Add	*34.74*	
07 71 23 00-0264	EA	8", Box-Style Stainless Steel Gutter Miter	121.57	
		For 316 Stainless Steel, Add	*39.70*	
07 71 23 00-0265		**Stainless Steel Gutter Wire Strainers** *(07 71 23 00-0228)*		
07 71 23 00-0266	EA	3" Diameter, Round Stainless Steel Wire Strainer	48.14	3.47
07 71 23 00-0267	EA	4" Diameter, Round Stainless Steel Wire Strainer	49.26	3.47
07 71 23 00-0268		**Stainless Steel Downspouts** *(07 71 23 00-0228)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0269		**Round Stainless Steel Downspouts** *(07 71 23 00-0268)*		
07 71 23 00-0270	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	18.32	3.34
		For Up To 100', Add	*2.37*	
		For >100 To 250', Add	*1.10*	
		For >1,000', Deduct	*-0.36*	
		For 316 Stainless Steel, Add	*5.59*	
		For 24 Gauge, Add	*4.85*	
		For 22 Gauge, Add	*9.71*	
		For 20 Gauge, Add	*14.56*	
07 71 23 00-0271	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	24.03	3.34
		For Up To 100', Add	*2.94*	
		For >100 To 250', Add	*1.38*	
		For >1,000', Deduct	*-0.36*	
		For 316 Stainless Steel, Add	*7.76*	
		For 24 Gauge, Add	*6.74*	
		For 22 Gauge, Add	*13.48*	
		For 20 Gauge, Add	*20.22*	
07 71 23 00-0272	LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	34.81	3.34
		For Up To 100', Add	*4.02*	
		For >100 To 250', Add	*1.92*	
		For >1,000', Deduct	*-0.36*	
		For 316 Stainless Steel, Add	*11.86*	
		For 24 Gauge, Add	*10.30*	
		For 22 Gauge, Add	*20.59*	
		For 20 Gauge, Add	*30.89*	
07 71 23 00-0273		**Rectangular Stainless Steel Downspouts** *(07 71 23 00-0268)*		
07 71 23 00-0274	LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	18.74	3.34
		For Up To 100', Add	*2.42*	
		For >100 To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.36*	
		For 316 Stainless Steel, Add	*5.75*	
		For 24 Gauge, Add	*4.99*	
		For 22 Gauge, Add	*9.99*	
		For 20 Gauge, Add	*14.98*	
		For 18 Gauge, Add	*25.12*	
07 71 23 00-0275	LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	24.88	3.34
		For Up To 100', Add	*3.03*	
		For >100 To 250', Add	*1.42*	
		For >1,000', Deduct	*-0.36*	
		For 316 Stainless Steel, Add	*8.08*	
		For 24 Gauge, Add	*7.02*	
		For 22 Gauge, Add	*14.04*	
		For 20 Gauge, Add	*21.06*	
		For 18 Gauge, Add	*35.31*	
07 71 23 00-0276	LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	32.07	3.34
		For Up To 100', Add	*3.75*	
		For >100 To 250', Add	*1.78*	
		For >1,000', Deduct	*-0.36*	
		For 316 Stainless Steel, Add	*10.81*	
		For 24 Gauge, Add	*9.39*	
		For 22 Gauge, Add	*18.78*	
		For 20 Gauge, Add	*28.18*	
		For 18 Gauge, Add	*47.24*	
07 71 23 00-0277		**Stainless Steel Devices** *(07 71 23 00-0228)*		
07 71 23 00-0278	EA	Thru-Wall Stainless Steel Scupper Outlet	284.24	31.27
		For 316 Stainless Steel, Add	*68.41*	
07 71 23 00-0279	EA	Stainless Steel Leader/Conductor Head	493.23	31.27
		For 316 Stainless Steel, Add	*161.02*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0280		**Vinyl Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0281		**Vinyl Gutters** *(07 71 23 00-0280)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0282		**K-Style Vinyl Gutters** *(07 71 23 00-0281)*		
07 71 23 00-0283	LF	4", K-Style Vinyl Gutter	12.66	3.47
		For Up To 100', Add	*2.13*	
		For >100' To 250', Add	*0.92*	
		For >1,000', Deduct	*-0.58*	
07 71 23 00-0284	LF	5", K-Style Vinyl Gutter	16.20	3.47
		For Up To 100', Add	*2.49*	
		For >100' To 250', Add	*1.10*	
		For >1,000', Deduct	*-0.58*	
07 71 23 00-0285		**Half Round Vinyl Gutters** *(07 71 23 00-0281)*		
07 71 23 00-0286	LF	4", Half Round Vinyl Gutter	13.06	3.47
		For Up To 100', Add	*2.17*	
		For >100' To 250', Add	*0.94*	
		For >1,000', Deduct	*-0.58*	
07 71 23 00-0287	LF	5", Half Round Vinyl Gutter	13.71	3.47
		For Up To 100', Add	*2.24*	
		For >100' To 250', Add	*0.98*	
		For >1,000', Deduct	*-0.58*	
07 71 23 00-0288		**Vinyl Gutter End Caps** *(07 71 23 00-0280)*		
07 71 23 00-0289		**K-Style, Vinyl Gutter End Caps** *(07 71 23 00-0288)*		
07 71 23 00-0290	EA	4", K-Style Vinyl Gutter End Cap	7.76	
07 71 23 00-0291	EA	5", K-Style Vinyl Gutter End Cap	10.70	
07 71 23 00-0292		**Half Round, Vinyl Gutter End Caps** *(07 71 23 00-0288)*		
07 71 23 00-0293	EA	4", Half Round Vinyl Gutter End Cap	8.84	
07 71 23 00-0294	EA	5", Half Round Vinyl Gutter End Cap	8.36	
07 71 23 00-0295		**Vinyl Gutter Miters** *(07 71 23 00-0280)*		
		Note: Inside or outside miters.		
07 71 23 00-0296		**K-Style, Vinyl Gutter Miters** *(07 71 23 00-0295)*		
07 71 23 00-0297	EA	4", K-Style Vinyl Gutter Miter	19.19	
07 71 23 00-0298	EA	5", K-Style Vinyl Gutter Miter	28.67	
07 71 23 00-0299		**Half Round, Vinyl Gutter Miters** *(07 71 23 00-0295)*		
07 71 23 00-0300	EA	4", Half Round Vinyl Gutter Miter	19.19	
07 71 23 00-0301	EA	5", Half Round Vinyl Gutter Miter	20.82	
07 71 23 00-0302		**Vinyl Downspouts** *(07 71 23 00-0280)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303		**Round Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0304	LF	2-1/2" Diameter, Round Vinyl Downspout	8.30	3.34
		For Up To 100', Add	*1.37*	
		For >100 To 250', Add	*0.60*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0305	LF	3" Diameter, Round Vinyl Downspout	8.64	3.34
		For Up To 100', Add	*1.41*	
		For >100 To 250', Add	*0.61*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0306		**Square Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0307	LF	2-1/2", Square Vinyl Downspout	8.16	3.34
		For Up To 100', Add	*1.36*	
		For >100 To 250', Add	*0.59*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0308		**Rectangular Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0309	LF	2" x 3", Rectangular Vinyl Downspout	10.37	3.34
		For Up To 100', Add	*1.58*	
		For >100 To 250', Add	*0.70*	
		For >1,000', Deduct	*-0.36*	
07 71 23 00-0310		**Gutter And Downspout Boots** *(07 71 23)*		
07 71 23 00-0311		**Cast Iron Roof Drainage Downspout Boots** *(07 71 23 00-0310)*		
07 71 23 00-0312	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	348.43	5.00
07 71 23 00-0313	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	454.28	5.00
07 71 23 00-0314	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	542.30	5.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 71 23 00-0315 Cast Iron Roof Drainage Downspout Boots With Cleanouts *(07 71 23 00-0310)*

07 71 23 00-0316	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	602.21	5.00
07 71 23 00-0317	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	735.78	5.00
07 71 23 00-0318	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,335.60	5.00

07 71 23 00-0319 Wall Mounted Downspout Covers With Hinged Perforated Cover *(07 71 23)*

07 71 23 00-0320	EA	3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)	1,204.81	32.25
		For Polished Brass Finish (-PB), Add	*114.03*	
		For Chrome Plated Finish (-CP), Add	*171.05*	
		For Vandal Proof (-U), Add	*57.02*	
07 71 23 00-0321	EA	4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)	1,226.31	43.00
		For Polished Brass Finish (-PB), Add	*114.03*	
		For Chrome Plated Finish (-CP), Add	*171.05*	
		For Vandal Proof (-U), Add	*57.02*	
07 71 23 00-0322	EA	6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06)	1,315.04	55.35
		For Polished Brass Finish (-PB), Add	*120.43*	
		For Chrome Plated Finish (-CP), Add	*180.65*	
		For Vandal Proof (-U), Add	*60.22*	
07 71 23 00-0323	EA	8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08)	1,402.06	69.89
		For Polished Brass Finish (-PB), Add	*126.23*	
		For Chrome Plated Finish (-CP), Add	*189.34*	
		For Vandal Proof (-U), Add	*63.11*	
07 71 23 00-0324	EA	10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10)	1,507.90	86.10
		For Polished Brass Finish (-PB), Add	*133.57*	
		For Chrome Plated Finish (-CP), Add	*200.36*	
		For Vandal Proof (-U), Add	*66.79*	
07 71 23 00-0325	EA	12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12)	1,657.25	120.20
		For Polished Brass Finish (-PB), Add	*141.68*	
		For Chrome Plated Finish (-CP), Add	*212.53*	
		For Vandal Proof (-U), Add	*70.84*	
07 71 23 00-0326	EA	15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15)	1,831.20	167.17
		For Polished Brass Finish (-PB), Add	*149.69*	
		For Chrome Plated Finish (-CP), Add	*224.53*	
		For Vandal Proof (-U), Add	*74.84*	

07 71 23 00-0327 Wall Mounted Downspout Nozzle *(07 71 23)*

07 71 23 00-0328	EA	3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	310.67	32.25
		For Nickel Bronze Finish (-NB), Add	*172.32*	
		For Polished Bronze Finish (-PB), Add	*135.39*	
		For Chrome Plated Finish (-CP), Add	*219.09*	
07 71 23 00-0329	EA	4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	332.17	43.00
		For Nickel Bronze Finish (-NB), Add	*172.32*	
		For Polished Bronze Finish (-PB), Add	*135.39*	
		For Chrome Plated Finish (-CP), Add	*219.09*	
07 71 23 00-0330	EA	6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	694.65	55.35
		For Nickel Bronze Finish (-NB), Add	*175.19*	
		For Polished Bronze Finish (-PB), Add	*99.27*	
		For Chrome Plated Finish (-CP), Add	*256.94*	
07 71 23 00-0331	EA	8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	1,026.19	69.89
		For Nickel Bronze Finish (-NB), Add	*150.69*	
		For Polished Bronze Finish (-PB), Add	*115.23*	
		For Chrome Plated Finish (-CP), Add	*257.06*	
07 71 23 00-0332	EA	10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	1,323.00	86.10
		For Nickel Bronze Finish (-NB), Add	*195.64*	
		For Polished Bronze Finish (-PB), Add	*149.60*	
		For Chrome Plated Finish (-CP), Add	*333.73*	
07 71 23 00-0333	EA	12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	1,688.15	120.20
		For Nickel Bronze Finish (-NB), Add	*246.12*	
		For Polished Bronze Finish (-PB), Add	*188.21*	
		For Chrome Plated Finish (-CP), Add	*419.84*	

07 71 23 00-0334 Leaf Guards And Cleaning *(07 71 23)*

07 71 23 00-0335	LF	Aluminum Mesh Gutter Leaf Guard	4.26	1.09
		For Up To 100', Add	*0.75*	
		For >100' To 250', Add	*0.32*	
		For >1,000', Deduct	*-0.22*	
07 71 23 00-0336	LF	Vinyl Mesh Gutter Leaf Guard	3.39	1.09
		For Up To 100', Add	*0.66*	
		For >100' To 250', Add	*0.28*	
		For >1,000', Deduct	*-0.22*	
07 71 23 00-0337	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	17.22	1.36
		For Up To 100', Add	*2.13*	
		For >100' To 250', Add	*1.00*	
		For >1,000', Deduct	*-0.28*	
07 71 23 00-0338	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	24.49	1.36
		For Up To 100', Add	*2.86*	
		For >100' To 250', Add	*1.36*	
		For >1,000', Deduct	*-0.28*	
07 71 23 00-0339	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.12	1.36
		For Up To 100', Add	*1.64*	
		For >100' To 250', Add	*0.76*	
		For >1,000', Deduct	*-0.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0340	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	20.09	1.36
		For Up To 100', Add	*2.33*	
		For >100' To 250', Add	*1.11*	
		For >1,000', Deduct	*-0.22*	
07 71 23 00-0341	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	193.20	
07 71 23 00-0342	LF	Cleanout Roof Gutters And Downspouts	2.27	

07 71 26 Reglets *(07 71)*

07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*
Note: Includes reglet cut.

07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.47	6.36
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.65	6.36
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.97	6.36
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	21.20	6.36
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	21.89	6.36
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	22.69	6.36

07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.50	6.36
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.77	6.36
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.23	6.36
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	25.00	6.36
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	26.01	6.36
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	27.18	6.36

07 71 26 00-0017 Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.97	6.36
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.64	6.36
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.31	6.36
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.79	6.36
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	19.87	6.36
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	21.44	6.36

07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.44	6.36
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.87	6.36
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.29	6.36
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.60	6.36
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	17.29	6.36
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	18.29	6.36

07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.66	6.36
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.28	6.36
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.90	6.36
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	18.35	6.36
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	19.34	6.36
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	20.79	6.36

07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*

07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	22.48	6.36
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	23.78	6.36
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	24.21	6.36

07 71 26 00-0044 Copper Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0045 Copper Counter Flashing With Reglet *(07 71 26 00-0044)*

07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	52.25	6.36

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)*
Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashinig and trim.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0002		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)* Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003		18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*		
07 72 13 00-0004		9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,098.46	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,114.02	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,213.40	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,273.03	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,317.11	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,585.04	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*271.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,119.20	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,215.99	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,249.70	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,262.66	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,543.55	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*262.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,689.60	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*287.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,335.26	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,460.58	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*246.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,489.10	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,635.15	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*276.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,757.88	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*296.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,901.34	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*320.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,489.10	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,606.63	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*270.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,755.28	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*296.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,781.21	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*301.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,929.87	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*326.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,132.17	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,139.95	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,239.32	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*206.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,306.74	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,356.00	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,616.15	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*115.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*277.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,142.54	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,286.00	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,337.85	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,397.49	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,585.04	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*271.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,741.46	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*297.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,366.38	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,486.51	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*251.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,527.99	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*259.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,676.64	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*284.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,807.14	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*306.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,958.39	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*332.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,527.99	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*259.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,648.12	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*279.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,799.36	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*304.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,833.07	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*311.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,986.91	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*139.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*337.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,150.32	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,158.10	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,252.29	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,327.48	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,384.53	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,652.45	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*284.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,158.10	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,252.29	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,384.53	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,446.76	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*248.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,616.15	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*115.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*277.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,775.17	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*304.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,387.12	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*236.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,427.27	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*239.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,553.92	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*264.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,707.75	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*291.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,838.26	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*312.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,994.69	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*139.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*339.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,553.92	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*264.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,676.64	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*284.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,833.07	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*311.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,866.78	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*131.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*318.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,025.80	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*143.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*345.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0077		9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,069.94	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,103.64	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,260.07	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,337.85	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,394.90	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,693.94	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*292.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,165.87	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,280.81	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,306.74	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,330.08	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,631.71	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*280.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,793.32	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*308.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,397.49	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,525.40	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*259.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,566.89	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*267.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,723.31	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,853.81	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*315.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,012.84	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*343.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,566.89	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*267.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,689.60	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*287.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,848.63	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*314.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,884.93	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*322.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,046.55	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*145.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*349.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	
07 72 13 00-0101		12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,093.27	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,132.17	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,298.96	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*218.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,384.53	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,454.53	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*249.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,704.31	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*295.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,199.58	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,322.30	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,356.00	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,387.12	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*236.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,693.94	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*292.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,868.51	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*323.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,444.16	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,577.26	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,626.52	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*279.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,785.54	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*306.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,926.42	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*330.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,095.81	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*150.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*359.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,626.52	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*279.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,757.02	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*301.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,921.23	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*329.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,960.12	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*337.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,134.71	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*153.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*367.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,111.42	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,152.91	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,322.30	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,415.64	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,493.43	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*257.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,787.28	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*311.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,225.51	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,366.38	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,413.05	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,423.42	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,740.61	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*302.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,920.37	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*333.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,475.28	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,509.15	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*256.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,665.42	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*287.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,832.21	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*316.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,973.09	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*142.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*339.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,152.86	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*155.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*371.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,665.42	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*287.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,803.69	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*310.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,965.31	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*338.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,011.98	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*146.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*347.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,191.75	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*159.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*378.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,053.85	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.13*	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,196.35	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.63*	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,367.20	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.22*	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,480.98	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*254.97*	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,638.76	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*281.95*	

07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,262.51	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.86*	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,455.91	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*254.54*	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,552.96	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.37*	
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,625.67	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*283.91*	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,819.06	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*318.01*	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,800.60	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*229.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*509.74*	

07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,605.32	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*284.42*	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,803.07	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*143.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*323.97*	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,129.51	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*171.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*384.68*	

07 72 13 00-0167 Wood, Prefabricated Roof Curbs *(07 72 13)*

Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.

07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	912.11	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*145.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,016.99	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,074.53	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,067.89	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,083.38	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,212.61	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,078.96	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,232.53	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,415.74	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,192.69	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,310.85	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0181	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,460.00	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0182 2 x 8 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0183	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	925.39	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*148.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0184	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,032.48	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*165.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0185	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,116.58	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0186	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,094.45	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0187	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,116.58	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0188	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,245.81	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0189	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,103.30	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0190	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,263.51	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*206.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0191	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,446.72	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0192	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,217.04	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0193	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,339.62	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0194	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,490.98	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0196	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	934.24	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*150.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0197	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,047.97	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0198	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,121.00	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0199	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,109.94	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0200	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,136.49	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0201	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,267.94	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,118.79	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,283.43	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,466.64	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,232.53	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,357.32	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,513.11	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	945.31	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*152.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,056.82	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,140.92	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,158.62	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,292.28	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,138.71	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,305.56	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,493.19	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,375.03	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	

07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	929.82	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,032.48	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*165.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,103.30	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,087.81	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*176.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,107.72	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,239.17	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,098.87	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*178.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,256.87	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,440.08	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,219.25	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,335.19	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,490.98	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	945.31	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*152.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,050.19	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,129.85	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,114.36	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*181.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,143.13	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,279.00	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,129.85	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,294.49	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,482.13	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,248.02	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,368.39	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,528.60	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	958.59	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*155.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,067.89	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,156.41	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,134.28	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,169.69	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,307.77	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,149.77	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,318.84	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,508.68	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*246.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,270.15	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,392.73	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,557.37	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*256.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	985.14	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*160.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,081.17	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,176.33	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,191.82	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,391.87	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,213.95	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,396.29	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,597.20	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*264.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,474.61	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	

07 72 23 Relief Vents *(07 72)*

07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	194.39	38.84
		For Curb Or Flange Base, Add	*216.71*	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	233.46	43.01
		For Curb Or Flange Base, Add	*238.18*	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	251.83	51.34
		For Curb Or Flange Base, Add	*265.03*	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	485.34	56.88
		For Curb Or Flange Base, Add	*426.50*	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	669.08	63.82
		For Curb Or Flange Base, Add	*461.97*	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	807.60	69.37
		For Curb Or Flange Base, Add	*501.48*	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,032.05	77.69
		For Curb Or Flange Base, Add	*614.15*	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,706.01	104.05
		For Curb Or Flange Base, Add	*1,007.30*	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	180.42	38.84
		For Curb Or Flange Base, Add	*217.26*	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	224.80	43.01
		For Curb Or Flange Base, Add	*239.37*	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	251.88	51.34
		For Curb Or Flange Base, Add	*265.87*	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	447.61	56.88
		For Curb Or Flange Base, Add	*451.77*	
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	577.33	63.82
		For Curb Or Flange Base, Add	*483.06*	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	730.01	69.37
		For Curb Or Flange Base, Add	*544.03*	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	985.33	77.69
		For Curb Or Flange Base, Add	*656.60*	
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,467.36	104.05
		For Curb Or Flange Base, Add	*986.02*	

07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	163.90	38.84
		For Curb Or Flange Base, Add	*216.71*	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	216.02	43.01
		For Curb Or Flange Base, Add	*238.18*	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	237.53	51.34
		For Curb Or Flange Base, Add	*265.03*	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	407.08	56.88
		For Curb Or Flange Base, Add	*426.50*	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	471.02	63.82
		For Curb Or Flange Base, Add	*461.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	667.63	69.37
		For Curb Or Flange Base, Add	*501.48*	
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	869.83	77.69
		For Curb Or Flange Base, Add	*614.15*	
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	1,260.99	104.05
		For Curb Or Flange Base, Add	*1,007.30*	

07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	173.48	38.84
		For Curb Or Flange Base, Add	*217.26*	
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	228.95	43.01
		For Curb Or Flange Base, Add	*239.37*	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	255.36	51.34
		For Curb Or Flange Base, Add	*265.87*	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	414.93	56.88
		For Curb Or Flange Base, Add	*451.77*	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	521.82	63.82
		For Curb Or Flange Base, Add	*483.06*	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	639.79	69.37
		For Curb Or Flange Base, Add	*544.03*	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	915.97	77.69
		For Curb Or Flange Base, Add	*656.60*	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	1,378.69	104.05
		For Curb Or Flange Base, Add	*986.02*	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	354.06	62.43
		For Backdraft Damper, Add	*188.42*	
		For Curb Base, Add	*277.42*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	437.21	69.37
		For Backdraft Damper, Add	*206.15*	
		For Curb Base, Add	*303.43*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	494.06	83.25
		For Backdraft Damper, Add	*281.52*	
		For Curb Base, Add	*384.96*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	603.53	91.57
		For Backdraft Damper, Add	*321.42*	
		For Curb Base, Add	*446.28*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,617.77	124.87
		For Backdraft Damper, Add	*403.43*	
		For Curb Base, Add	*587.40*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,976.66	144.29
		For Backdraft Damper, Add	*476.58*	
		For Curb Base, Add	*702.42*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,697.16	166.48
		For Backdraft Damper, Add	*476.58*	
		For Curb Base, Add	*730.00*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,798.05	180.36
		For Backdraft Damper, Add	*498.75*	
		For Curb Base, Add	*756.11*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	5,473.06	194.23
		For Backdraft Damper, Add	*554.16*	
		For Curb Base, Add	*850.93*	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	683.92	69.37
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	799.58	91.57
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,153.06	124.87
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,802.31	144.29

07 72 26 Ridge Vents *(07 72)*

07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	16.35	4.03
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	63.62	25.01
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	59.15	25.01

07 72 26 00-0005 Galvanized Ridge Vents *(07 72 26)*

07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	15.25	4.30

07 72 29 Rafter Vent *(07 72)*

07 72 29 00-0001 Rafter Vent *(07 72 29)*

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

07 72 29 00-0002	EA	22" x 4' Rafter Vent	11.58	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	10.47	

07 72 33 Roof Hatches *(07 72)*

Note: Includes curb with integral insulation, lockable hatch and gaskets.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0001		**Galvanized Steel Cover And Curb** *(07 72 33)*		
07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	1,513.34	174.18
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	2,227.32	193.53
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	3,941.35	263.93
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	2,196.46	193.53
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	2,479.15	215.06
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	4,073.50	293.32
07 72 33 00-0008		**Aluminum Cover And Curb** *(07 72 33)*		
07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	1,294.42	174.18
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,673.77	193.53
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	3,019.13	263.93
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,635.09	193.53
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	2,882.75	215.06
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	3,180.08	293.32
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight	1,826.33	193.53
07 72 33 00-0016		**Steel, Plain, Primed** *(07 72 33)*		
07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	1,450.44	174.18
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	1,966.05	193.53
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	2,693.52	263.93
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	1,825.03	193.53
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	2,239.51	215.06
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	3,043.07	293.32
07 72 33 00-0023		**Stainless Steel** *(07 72 33)*		
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,079.45	174.18
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	5,885.46	193.53
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	8,849.00	263.93
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,724.68	193.53
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	9,975.95	215.06
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,175.90	293.32
07 72 33 00-0030		**Removal And Reinstallation Of Roof Hatch** *(07 72 33)*		
		Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types)	535.74	
07 72 33 00-0032		**Aluminum Cover And Galvanized Steel Curb** *(07 72 33)*		
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,255.31	193.53
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,634.66	215.06
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,917.45	293.20
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,603.80	199.57
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,796.70	221.11
07 72 33 00-0038		**Roof Hatch Accessories** *(07 72 33)*		
07 72 33 00-0039	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	945.97	90.72
07 72 33 00-0040		**Roof Hatch Safety Railing** *(07 72 33)*		
		Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,117.04	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,197.94	
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,252.76	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,450.86	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,679.57	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,423.22	
07 72 36		**Smoke Vents** *(07 72)*		
07 72 36 00-0001		**Fire Vent** *(07 72 36)*		
07 72 36 00-0002		**Galvanized Steel Covers And Curb** *(07 72 36 00-0001)*		
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,980.22	161.36
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,574.18	221.83
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,215.49	242.03
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,317.50	254.13
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,179.73	221.83
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,569.43	242.03
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,935.14	262.23
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,899.94	282.43
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	9,811.32	302.51
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,563.70	262.23
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	13,843.48	322.71
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,559.32	342.91
07 72 36 00-0015		**Aluminum Covers And Galvanized Steel Curb** *(07 72 36 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,776.27	161.36
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,187.71	221.83
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,585.59	242.03
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,713.23	254.13
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,602.28	221.83
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,594.64	242.03
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,914.27	262.23
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,788.06	282.43
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,711.25	302.51
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,640.50	262.23
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	8,790.90	322.71
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,565.90	342.91

07 72 36 00-0028 Aluminum Covers And Curb *(07 72 36 00-0001)*

07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,026.58	161.36
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,602.28	221.83
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,953.22	242.03
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,182.56	254.13
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,790.01	221.83
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,790.19	242.03
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,086.36	262.23
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,257.39	282.43
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,374.90	302.51
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	4,859.52	262.23
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	9,596.58	322.71
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,035.22	342.91

07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb *(07 72 36)*

07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,995.29	160.88
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,797.82	221.83
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,018.29	254.13
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,306.27	221.83
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,553.42	282.43

07 72 46 Roof Walkways *(07 72)*

07 72 46 00-0001 Recycled Rubber Walkway Pads *(07 72 46)*

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	13.81	3.45
		For Diamond Surface, Add	*1.16*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	15.35	4.14
		For Diamond Surface, Add	*1.35*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	16.93	4.14
		For Diamond Surface, Add	*1.51*	

07 72 53 Snow Guards *(07 72)*

07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs *(07 72 53)*

07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	26.38	3.56
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	28.80	3.56
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	27.20	3.56
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	16.01	3.56

07 72 53 00-0006 Snow Guards For Metal Roofs *(07 72 53)*

Note: Aluminum construction.

07 72 53 00-0007	EA	Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	30.04	4.96
07 72 53 00-0008	EA	Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	33.58	4.96
07 72 53 00-0009	EA	Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	50.34	4.96
07 72 53 00-0010	EA	Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	49.59	4.96
07 72 53 00-0011	EA	Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	46.20	5.79
07 72 53 00-0012	EA	Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	50.66	5.79
07 72 53 00-0013	EA	Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	63.76	5.79
07 72 53 00-0014	EA	Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	26.25	4.34
		For Mechanically Fastened, Add	*8.69*	
07 72 53 00-0015	EA	Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	29.93	4.34
		For Mechanically Fastened, Add	*8.69*	
07 72 53 00-0016	EA	Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	42.43	4.34
		For Mechanically Fastened, Add	*8.69*	
07 72 53 00-0017	EA	Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)	14.54	4.34
		Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
		For Mechanically Fastened, Add	*11.58*	

07 72 53 00-0018 Snow Breaker For Roofs *(07 72 53)*

07 72 53 00-0019	EA	Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	18.72	5.79
07 72 53 00-0020	EA	>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	17.56	5.79
07 72 53 00-0021	EA	>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	16.98	5.79
07 72 53 00-0022	EA	>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	16.29	5.79

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0023		**Ice Breaker For Vents** *(07 72 53)*		
07 72 53 00-0024	EA	Ice Breaker For Vents Up to 4", Mechanically Fastened	153.04	
07 72 53 00-0025	EA	Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	175.77	
07 72 53 00-0026		**Pipe Style, Snow Guards For Metal Roofs** *(07 72 53)*		
07 72 53 00-0027		**Pipe Style, Standing Seam Metal Roof Snow Guard Clamps** *(07 72 53 00-0026)* Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0028	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	71.66	17.37
07 72 53 00-0029	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	85.88	17.37
07 72 53 00-0030	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	97.24	17.37
07 72 53 00-0031	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	121.68	17.37
07 72 53 00-0032	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000)	124.94	20.85
07 72 53 00-0033		**Tubing For Snow Guard Clamps** *(07 72 53 00-0026)*		
07 72 53 00-0034	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	14.75	4.17
07 72 53 00-0035	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	29.85	4.17
07 72 56		**Snow/Ice Melt Cable** *(07 72)*		
07 72 56 00-0001		**Self Regulating Heating Cable For Roofs And Gutters** *(07 72 56)*		
07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	17.63	1.29
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	18.96	1.29
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters	270.96	97.39
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters	206.92	71.42
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	10.09	3.89
		For >5, Deduct	*-0.78*	
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	9.47	3.89
		For >5, Deduct	*-0.72*	
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	68.21	9.74
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow	1,111.06	77.91
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control	1,524.84	97.39
07 72 63		**Waste Containment Assemblies** *(07 72)*		
07 72 63 00-0001		**Rooftop Oil And Grease Containment System** *(07 72 63)*		
07 72 63 00-0002		**Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E)** *(07 72 63 00-0001)*		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	3,331.57	285.97
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	3,710.35	285.97
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	4,530.91	297.41
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	4,509.26	297.41
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	5,863.56	321.71
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	4,602.41	321.71
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	5,138.38	381.19
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	7,535.27	476.56
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	9,310.61	476.56
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	11,746.30	476.56
07 72 63 00-0013		**Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD)** *(07 72 63 00-0001)*		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	4,072.99	285.97
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	4,565.56	285.97
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	5,618.86	297.41
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	5,716.31	297.41
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	8,120.64	321.71
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	8,894.65	321.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	8,299.37	381.19
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	9,364.74	476.56
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	11,675.93	476.56
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	14,842.32	476.56

07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System
(07 72 63)

Note: Includes removing old filters and installing new filters.

07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*

07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	271.96	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	380.22	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	542.58	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	502.76	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	935.78	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	946.59	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	733.57	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	950.08	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	1,388.50	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	1,826.93	

07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	564.03	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	748.07	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	1,083.66	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	1,011.35	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,936.91	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,947.73	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	1,447.82	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,951.20	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	2,855.11	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	3,796.91	

07 72 63 00-0049 Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	699.36	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	867.16	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	1,267.68	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	1,200.80	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	2,332.03	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	2,321.21	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	1,696.82	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	2,346.32	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	3,288.12	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	4,570.93	

07 72 73 Vegetated Roof Systems *(07 72)*

07 72 73 00-0001 Garden Roof System *(07 72 73)*

Note: Excludes walkway pavers, shrubs and plants. See CSI section 32 92 00 00-0000 for turf and grasses, 32 93 00 00-0000 for plants.

07 72 73 00-0002 Fluid Applied Polyurethane (WhiteKnight) Waterproofing *(07 72 73 00-0001)*

Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.

07 72 73 00-0003	SF	Up To 250 SF Fluid Applied Polyurethane Waterproofing	8.50	
07 72 73 00-0004	SF	>250 To 500 SF Fluid Applied Polyurethane Waterproofing	8.30	
07 72 73 00-0005	SF	>500 To 2,500 SF Fluid Applied Polyurethane Waterproofing	8.00	
07 72 73 00-0006	SF	>2,500 To 5,000 SF Fluid Applied Polyurethane Waterproofing	7.70	
07 72 73 00-0007	SF	>5,000 To 10,000 SF Fluid Applied Polyurethane Waterproofing	7.40	
07 72 73 00-0008	SF	>10,000 To 25,000 SF Fluid Applied Polyurethane Waterproofing	7.10	
07 72 73 00-0009	SF	>25,000 To 50,000 SF Fluid Applied Polyurethane Waterproofing	6.80	
07 72 73 00-0010	SF	>50,000 SF Fluid Applied Polyurethane Waterproofing	6.50	

07 72 73 00-0011 Filterdrain (Greenshield Filterdrain) *(07 72 73 00-0001)*

07 72 73 00-0012	SF	Up To 250 SF Filterdrain	3.00	
07 72 73 00-0013	SF	>250 To 500 SF Filterdrain	2.80	
07 72 73 00-0014	SF	>500 To 2,500 SF Filterdrain	2.60	
07 72 73 00-0015	SF	>2,500 To 5,000 SF Filterdrain	2.40	
07 72 73 00-0016	SF	>5,000 To 10,000 SF Filterdrain	2.20	
07 72 73 00-0017	SF	>10,001 To 25,000 SF Filterdrain	2.10	
07 72 73 00-0018	SF	>25,000 To 50,000 SF Filterdrain	2.05	
07 72 73 00-0019	SF	>50,000 SF Filterdrain	2.00	

07 72 73 00-0020 Soil (Greenshield Oasis) *(07 72 73 00-0001)*

07 72 73 00-0021	SF	Up To 250 SF Growing Media / Engineered Soil, 1" Depth	1.00	
07 72 73 00-0022	SF	>250 To 500 SF Growing Media / Engineered Soil, 1" Depth	0.85	
07 72 73 00-0023	SF	>500 To 2,500 SF Growing Media / Engineered Soil, 1" Depth	0.70	
07 72 73 00-0024	SF	>2,500 To 5,000 SF Growing Media / Engineered Soil, 1" Depth	0.70	
07 72 73 00-0025	SF	>5,000 To 10,000 SF Growing Media / Engineered Soil, 1" Depth	0.55	
07 72 73 00-0026	SF	>10,000 To 25,000 SF Growing Media / Engineered Soil, 1" Depth	0.50	
07 72 73 00-0027	SF	>25,000 To 50,000 SF Growing Media / Engineered Soil, 1" Depth	0.45	
07 72 73 00-0028	SF	>50,000 SF Growing Media / Engineered Soil, 1" Depth	0.40	

07 72 73 00-0029 Irrigation Topical And Controls *(07 72 73 00-0001)*

07 72 73 00-0030	SF	Up To 250 SF Irrigation Topical	15.00	
07 72 73 00-0031	SF	>250 To 500 SF Irrigation Topical	14.75	
07 72 73 00-0032	SF	>500 To 2,500 SF Irrigation Topical	9.50	
07 72 73 00-0033	SF	>2,500 To 5,000 SF Irrigation Topical	7.50	
07 72 73 00-0034	SF	>5,000 To 10,000 SF Irrigation Topical	5.50	
07 72 73 00-0035	SF	>10,000 To 25,000 SF Irrigation Topical	3.50	
07 72 73 00-0036	SF	>25,000 To 50,000 SF Irrigation Topical	2.50	
07 72 73 00-0037	SF	>50,000 SF Irrigation Topical	2.00	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001 Roof Protection Board *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.60	0.72
		For No Adhesive, Deduct	*-0.99*	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.18	0.79
		For No Adhesive, Deduct	*-1.02*	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.48	0.86
		For No Adhesive, Deduct	*-1.04*	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.66	0.72
		For No Adhesive, Deduct	*-0.99*	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.27	0.79
		For No Adhesive, Deduct	*-1.02*	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.57	0.86
		For No Adhesive, Deduct	*-1.04*	

07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.45	0.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.07	0.79
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.39	0.86
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.51	0.72
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.16	0.79
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.48	0.86

07 73 00 00-0016 Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

Note: Mechanically fastened to wood or steel.

07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.40	0.72
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.56*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.98	0.79
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.45*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.67*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	5.28	0.86
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.46	0.72
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.34*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.56*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.07	0.79
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.45*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.67*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.37	0.86
		For Mechanically Fastened To Concrete, Add	*1.90*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.79*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.42*	

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001 Roof Pavers *(07 76 16)*

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	14.07	8.97
		For 1-1/2" Thickness, Deduct	*-1.41*	
		For 2-1/2" Thickness, Add	*1.52*	
		For 3" Thickness, Add	*3.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	12.56	6.77
		For 1-1/2" Thickness, Deduct	*-1.26*	
		For 2-1/2" Thickness, Add	*1.37*	
		For 3" Thickness, Add	*2.73*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	11.75	5.39
		For 1-1/2" Thickness, Deduct	*-1.18*	
		For 2-1/2" Thickness, Add	*1.28*	
		For 3" Thickness, Add	*2.56*	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	11.28	4.70
		For 1-1/2" Thickness, Deduct	*-1.13*	
		For 2-1/2" Thickness, Add	*1.23*	
		For 3" Thickness, Add	*2.45*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	10.68	4.28
		For 1-1/2" Thickness, Deduct	*-1.07*	
		For 2-1/2" Thickness, Add	*1.16*	
		For 3" Thickness, Add	*2.32*	

07 76 16 00-0007 Roof Paver Pedestal *(07 76 16)*

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	27.79	1.43
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	29.22	1.43
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	30.65	1.43
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	15.32	1.43
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	14.09	1.43
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	14.41	1.43
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	8.06	1.43
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	10.99	1.43

07 76 19 Composite Insulation Concrete Protection Board *(07 76)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board *(07 76 19)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	6.61
		For 20 Year Warranty, Deduct	*-0.37*
		For 15 Year Warranty, Deduct	*-0.75*
		For 10 Year Warranty, Deduct	*-1.02*
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	8.55
		For 20 Year Warranty, Deduct	*-0.53*
		For 15 Year Warranty, Deduct	*-1.07*
		For 10 Year Warranty, Deduct	*-1.44*
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	10.07
		For 20 Year Warranty, Deduct	*-0.62*
		For 15 Year Warranty, Deduct	*-1.24*
		For 10 Year Warranty, Deduct	*-1.68*
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	12.11
		For 20 Year Warranty, Deduct	*-0.77*
		For 15 Year Warranty, Deduct	*-1.56*
		For 10 Year Warranty, Deduct	*-2.10*
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*

07 80 Fire and Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001 Monokote Fireproofing *(07 81 16)*

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	2.31	0.83
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness	3.26	1.24

07 81 16 00-0004 Gunite Fireproofing *(07 81 16)*

07 81 16 00-0005	SF	1" Thick, Non-Reinforced, Gunite Fireproofing	3.73	0.85
07 81 16 00-0006	SF	1" Thick, Reinforced, Gunite Fireproofing	5.29	0.85

07 81 23 Intumescent Fireproofing *(07 81)*

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) *(07 81 23)*

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	18.13	
		For >10,000, Deduct	*-1.74*	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	29.10	
		For >10,000, Deduct	*-2.83*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0005		Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)*		
		Note: Excludes primer.		
07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.80	
		For >10,000, Deduct	*-1.10*	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	26.08	
		For >10,000, Deduct	*-2.52*	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	58.97	
		For >10,000, Deduct	*-5.80*	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	81.15	
		For >10,000, Deduct	*-8.02*	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	103.35	
		For >10,000, Deduct	*-10.23*	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	125.58	
		For >10,000, Deduct	*-12.45*	
07 81 23 00-0012		Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)*		
		Note: Excludes primer.		
07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.76	
		For >10,000, Deduct	*-2.29*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	44.13	
		For >10,000, Deduct	*-4.32*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	70.02	
		For >10,000, Deduct	*-6.91*	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	97.74	
		For >10,000, Deduct	*-9.67*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	123.63	
		For >10,000, Deduct	*-12.26*	
07 81 23 00-0018		Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*		
07 81 23 00-0019		Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)*		
		Note: Excludes primer.		
07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.53	
		For >10,000, Deduct	*-1.10*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	26.22	
		For >10,000, Deduct	*-2.56*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	60.05	
		For >10,000, Deduct	*-5.94*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	82.86	
		For >10,000, Deduct	*-8.21*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	105.69	
		For >10,000, Deduct	*-10.49*	
07 81 33		**Mineral-Fiber Fireproofing** *(07 81)*		
07 81 33 00-0001		Cellulose Fireproofing *(07 81 33)*		
07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.87	0.85
07 84		**Firestopping** *(07 80)*		
07 84 13		**Penetration Firestopping** *(07 84)*		
07 84 13 16		**Penetration Firestopping Devices** *(07 84 13)*		
07 84 13 16-0001		Firestopping Systems For Cable Penetrations *(07 84 13 16)*		
07 84 13 16-0002		Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)*		
		Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	70.23	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	92.81	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	147.74	
07 84 13 16-0006		Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)*		
		Note: Includes pathway, putty and wall/floor mounting plates.		
07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	124.02	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	214.69	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	389.60	
07 84 13 16-0010		3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*		
07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	279.67	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	259.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	267.29	

07 84 13 16-0014 Intumescent Firestopping Pipe Collar *(07 84 13 16)*

07 84 13 16-0015	EA	1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	43.30	12.97
07 84 13 16-0016	EA	2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	51.66	12.97
07 84 13 16-0017	EA	3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	59.92	14.27
07 84 13 16-0018	EA	4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	92.52	16.22
07 84 13 16-0019	EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	442.16	19.46
07 84 13 16-0020	EA	10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	570.47	21.40

07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) *(07 84 13 16)*

Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.

07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	187.59
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	198.46
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.	385.40
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.	246.30

07 84 13 16-0026 Intumescent Firestopping Wrap Strips *(07 84 13 16)*

07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	6.58

07 84 13 19 Penetration Firestopping Caulk *(07 84 13)*

07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) *(07 84 13 19)*

Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.

07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	27.30
		For Intumescent Sealant For Plastic Pipe, Add	*0.07*
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	33.49
		For Intumescent Sealant For Plastic Pipe, Add	*0.38*
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	33.25
		For Intumescent Sealant For Plastic Pipe, Add	*0.28*
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	32.85
		For Intumescent Sealant For Plastic Pipe, Add	*0.12*
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.65
		For Intumescent Sealant For Plastic Pipe, Add	*0.81*
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.40
		For Intumescent Sealant For Plastic Pipe, Add	*0.71*
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.01
		For Intumescent Sealant For Plastic Pipe, Add	*0.56*
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	37.39
		For Intumescent Sealant For Plastic Pipe, Add	*0.31*
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	36.86
		For Intumescent Sealant For Plastic Pipe, Add	*0.10*
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.79
		For Intumescent Sealant For Plastic Pipe, Add	*1.36*
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.56
		For Intumescent Sealant For Plastic Pipe, Add	*1.27*
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.15
		For Intumescent Sealant For Plastic Pipe, Add	*1.10*
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	45.53
		For Intumescent Sealant For Plastic Pipe, Add	*0.86*
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	45.01
		For Intumescent Sealant For Plastic Pipe, Add	*0.65*
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	43.77
		For Intumescent Sealant For Plastic Pipe, Add	*0.15*
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	63.41
		For Intumescent Sealant For Plastic Pipe, Add	*3.67*
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	59.10
		For Intumescent Sealant For Plastic Pipe, Add	*1.94*
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	58.70
		For Intumescent Sealant For Plastic Pipe, Add	*1.78*
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	58.07
		For Intumescent Sealant For Plastic Pipe, Add	*1.53*
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	57.55
		For Intumescent Sealant For Plastic Pipe, Add	*1.32*
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	56.31
		For Intumescent Sealant For Plastic Pipe, Add	*0.83*
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	54.69
		For Intumescent Sealant For Plastic Pipe, Add	*0.18*
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	84.72
		For Intumescent Sealant For Plastic Pipe, Add	*6.77*
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	84.28
		For Intumescent Sealant For Plastic Pipe, Add	*6.59*
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	83.57
		For Intumescent Sealant For Plastic Pipe, Add	*6.31*
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	82.45
		For Intumescent Sealant For Plastic Pipe, Add	*5.86*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	81.51	
		For Intumescent Sealant For Plastic Pipe, Add	*5.48*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	74.16	
		For Intumescent Sealant For Plastic Pipe, Add	*2.54*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	72.56	
		For Intumescent Sealant For Plastic Pipe, Add	*1.90*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	70.10	
		For Intumescent Sealant For Plastic Pipe, Add	*0.92*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	133.97	
		For Intumescent Sealant For Plastic Pipe, Add	*15.62*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	133.53	
		For Intumescent Sealant For Plastic Pipe, Add	*15.44*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	132.82	
		For Intumescent Sealant For Plastic Pipe, Add	*15.16*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	131.71	
		For Intumescent Sealant For Plastic Pipe, Add	*14.71*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	130.76	
		For Intumescent Sealant For Plastic Pipe, Add	*14.33*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	128.52	
		For Intumescent Sealant For Plastic Pipe, Add	*13.44*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	125.61	
		For Intumescent Sealant For Plastic Pipe, Add	*12.27*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	121.21	
		For Intumescent Sealant For Plastic Pipe, Add	*10.51*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	104.61	
		For Intumescent Sealant For Plastic Pipe, Add	*3.87*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	176.91	
		For Intumescent Sealant For Plastic Pipe, Add	*24.66*	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	172.50	
		For Intumescent Sealant For Plastic Pipe, Add	*22.90*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	163.66	
		For Intumescent Sealant For Plastic Pipe, Add	*19.36*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	127.58	
		For Intumescent Sealant For Plastic Pipe, Add	*4.93*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	223.83	
		For Intumescent Sealant For Plastic Pipe, Add	*35.29*	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	197.59	
		For Intumescent Sealant For Plastic Pipe, Add	*24.80*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	151.29	
		For Intumescent Sealant For Plastic Pipe, Add	*6.28*	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	32.86
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	32.77
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	32.65
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.30
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.20
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	37.08
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.89
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.71
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.56
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.48
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.34
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.15
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.98
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.55
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.97
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.89
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.76
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.57
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.40
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	54.97
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	54.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	71.03	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.94	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.81	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.60	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	70.40	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.97	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.43	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	68.58	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	102.37	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	102.28	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	102.15	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	101.96	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	101.79	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	101.36	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	100.77	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	99.97	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	98.22	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	127.02	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	126.21	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	124.46	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	119.52	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	152.43	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	147.48	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	140.94	

07 84 16 Annular Space Firestopping Protection *(07 84)*

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	40.39
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	56.36
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	59.07
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	61.79
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	64.50
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	80.48

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	16.76
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	17.32
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	16.29
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	17.36
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	16.94
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	16.36

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	38.28
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	41.01
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	44.36

07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	358.16
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	497.69
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	667.38

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0024		Endothermic Mat Wrap Fire Barrier *(07 84 16)*		
		Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	55.49	
07 84 16 00-0026		Firestopping Caulk For Filling Opening *(07 84 16)*		
07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	151.19	
07 84 16 00-0028		Firestopping Mortar For Filling Opening *(07 84 16)*		
07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	176.02	
07 84 23		**Silicone Firestopping Foams** *(07 84)*		
07 84 23 00-0001		Silicone RTV Foam Seal For Blank Openings *(07 84 23)*		
		Note: Includes 7" depth of silicone foam barrier and 1" depth backer board		
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	49.36	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	104.67	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	183.86	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	269.78	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	379.45	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	509.51	
07 84 43		**Joint Firestopping** *(07 84)*		
07 84 43 00-0001		Intumescent Firestopping Sealant For Joints (3M CP 25WB+) *(07 84 43)*		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	460.05	122.04
		For Up To 6 CLF, Add	*25.35*	
		For >30 CLF, Deduct	*-27.70*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	507.04	122.04
		For Up To 4 CLF, Add	*28.88*	
		For >20 CLF, Deduct	*-32.40*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	567.57	126.11
		For Up To 3 CLF, Add	*33.08*	
		For >15 CLF, Deduct	*-37.77*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	591.06	126.11
		For Up To 2.5 CLF, Add	*34.84*	
		For >13 CLF, Deduct	*-40.12*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	661.52	126.11
		For Up To 2 CLF, Add	*40.12*	
		For >10 CLF, Deduct	*-47.17*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	731.98	126.11
		For Up To 1.5 CLF, Add	*45.41*	
		For >8 CLF, Deduct	*-54.21*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	816.00	131.53
		For Up To 1.3 CLF, Add	*51.37*	
		For >7 CLF, Deduct	*-61.94*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	769.02	131.53
		For Up To 1.4 CLF, Add	*47.85*	
		For >7.5 CLF, Deduct	*-57.24*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	876.54	135.60
		For Up To 1.15 CLF, Add	*55.57*	
		For >6 CLF, Deduct	*-67.31*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	970.48	135.60
		For Up To 1 CLF, Add	*62.62*	
		For >5 CLF, Deduct	*-76.71*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,077.98	139.66
		For Up To 0.8 CLF, Add	*70.34*	
		For >4.5 CLF, Deduct	*-86.78*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,185.49	145.09
		For Up To 0.75 CLF, Add	*78.06*	
		For >4 CLF, Deduct	*-96.85*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,292.99	149.16
		For Up To 0.65 CLF, Add	*85.79*	
		For >3.5 CLF, Deduct	*-106.93*	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,615.51	162.72
		For Up To 0.5 CLF, Add	*108.96*	
		For >2.5 CLF, Deduct	*-137.14*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*169.10*	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,045.53	180.35
		For Up To 0.4 CLF, Add	*139.85*	
		For >2 CLF, Deduct	*-177.43*	
07 84 43 00-0017		Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) *(07 84 43)*		
07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	473.13	122.04
		For Up To 6 CLF, Add	*26.33*	
		For >30 CLF, Deduct	*-29.01*	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	526.63	122.04
		For Up To 4 CLF, Add	*30.34*	
		For >20 CLF, Deduct	*-34.36*	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	593.70	126.11
		For Up To 3 CLF, Add	*35.04*	
		For >15 CLF, Deduct	*-40.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	620.45	126.11
		For Up To 2.5 CLF, Add	*37.04*	
		For >13 CLF, Deduct	*-43.06*	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	700.70	126.11
		For Up To 2 CLF, Add	*43.06*	
		For >10 CLF, Deduct	*-51.09*	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	780.96	126.11
		For Up To 1.5 CLF, Add	*49.08*	
		For >8 CLF, Deduct	*-59.11*	
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	874.77	131.53
		For Up To 1.3 CLF, Add	*55.78*	
		For >7 CLF, Deduct	*-67.82*	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	821.27	131.53
		For Up To 1.4 CLF, Add	*51.76*	
		For >7.5 CLF, Deduct	*-62.47*	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	941.85	135.60
		For Up To 1.15 CLF, Add	*60.47*	
		For >6 CLF, Deduct	*-73.84*	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,048.85	135.60
		For Up To 1 CLF, Add	*68.49*	
		For >5 CLF, Deduct	*-84.54*	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,169.41	139.66
		For Up To 0.8 CLF, Add	*77.20*	
		For >4.5 CLF, Deduct	*-95.92*	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,289.98	145.09
		For Up To 0.75 CLF, Add	*85.90*	
		For >4 CLF, Deduct	*-107.30*	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,410.55	149.16
		For Up To 0.65 CLF, Add	*94.60*	
		For >3.5 CLF, Deduct	*-118.68*	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,772.25	162.72
		For Up To 0.5 CLF, Add	*120.71*	
		For >2.5 CLF, Deduct	*-152.82*	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,254.52	180.35
		For Up To 0.4 CLF, Add	*155.53*	
		For >2 CLF, Deduct	*-198.33*	

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) *(07 84 43)*

07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	421.47	122.04
		For Up To 6 CLF, Add	*22.46*	
		For >30 CLF, Deduct	*-23.84*	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	449.14	122.04
		For Up To 4 CLF, Add	*24.53*	
		For >20 CLF, Deduct	*-26.61*	
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	490.38	126.11
		For Up To 3 CLF, Add	*27.29*	
		For >15 CLF, Deduct	*-30.05*	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	504.21	126.11
		For Up To 2.5 CLF, Add	*28.32*	
		For >13 CLF, Deduct	*-31.44*	
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	545.73	126.11
		For Up To 2 CLF, Add	*31.44*	
		For >10 CLF, Deduct	*-35.59*	
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	587.24	126.11
		For Up To 1.5 CLF, Add	*34.55*	
		For >8 CLF, Deduct	*-39.74*	
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	642.31	131.53
		For Up To 1.3 CLF, Add	*38.34*	
		For >7 CLF, Deduct	*-44.57*	
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	614.63	131.53
		For Up To 1.4 CLF, Add	*36.27*	
		For >7.5 CLF, Deduct	*-41.80*	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	683.55	135.60
		For Up To 1.15 CLF, Add	*41.10*	
		For >6 CLF, Deduct	*-48.01*	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	738.90	135.60
		For Up To 1 CLF, Add	*45.25*	
		For >5 CLF, Deduct	*-53.55*	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	807.80	139.66
		For Up To 0.8 CLF, Add	*50.08*	
		For >4.5 CLF, Deduct	*-59.76*	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	876.71	145.09
		For Up To 0.75 CLF, Add	*54.91*	
		For >4 CLF, Deduct	*-65.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	945.62	149.16
		For Up To 0.65 CLF, Add	*59.73*	
		For >3.5 CLF, Deduct	*-72.19*	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,152.34	162.72
		For Up To 0.5 CLF, Add	*74.22*	
		For >2.5 CLF, Deduct	*-90.83*	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,427.98	180.35
		For Up To 0.4 CLF, Add	*93.54*	
		For >2 CLF, Deduct	*-115.68*	

07 84 43 00-0049 Elastomeric Spray Firestopping For Joints And Penetrations *(07 84 43)*

07 84 43 00-0050	LF	1" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	0.95
07 84 43 00-0051	LF	2" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	1.84
07 84 43 00-0052	LF	3" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	2.64
07 84 43 00-0053	LF	4" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.56
07 84 43 00-0054	LF	5" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	4.42
07 84 43 00-0055	LF	6" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	5.41
07 84 43 00-0056	LF	1" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	1.89
07 84 43 00-0057	LF	2" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.67
07 84 43 00-0058	LF	3" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	5.28
07 84 43 00-0059	LF	4" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	7.13
07 84 43 00-0060	LF	5" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	8.84
07 84 43 00-0061	LF	6" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	10.80
07 84 43 00-0062	LF	1" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.78
07 84 43 00-0063	LF	2" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	7.35
07 84 43 00-0064	LF	3" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	10.56
07 84 43 00-0065	LF	4" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	14.26
07 84 43 00-0066	LF	5" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	17.69
07 84 43 00-0067	LF	6" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	21.61
07 84 43 00-0068	LF	1" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	7.58
07 84 43 00-0069	LF	2" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	14.71
07 84 43 00-0070	LF	3" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	21.11
07 84 43 00-0071	LF	4" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	28.53
07 84 43 00-0072	LF	5" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	35.39
07 84 43 00-0073	LF	6" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	43.24

07 84 43 00-0074 Intumescent Firestopping Sealant For Joints *(07 84 43)*

07 84 43 00-0075	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	454.68	122.04
		For Up To 6 CLF, Add	*24.95*	
		For >30 CLF, Deduct	*-27.16*	
07 84 43 00-0076	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	498.97	122.04
		For Up To 4 CLF, Add	*28.27*	
		For >20 CLF, Deduct	*-31.59*	
07 84 43 00-0077	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	556.81	126.11
		For Up To 3 CLF, Add	*32.27*	
		For >15 CLF, Deduct	*-36.70*	
07 84 43 00-0078	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	578.95	126.11
		For Up To 2.5 CLF, Add	*33.93*	
		For >13 CLF, Deduct	*-38.91*	
07 84 43 00-0079	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	645.37	126.11
		For Up To 2 CLF, Add	*38.91*	
		For >10 CLF, Deduct	*-45.55*	
07 84 43 00-0080	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	711.80	126.11
		For Up To 1.5 CLF, Add	*43.89*	
		For >8 CLF, Deduct	*-52.20*	
07 84 43 00-0081	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	791.78	131.53
		For Up To 1.3 CLF, Add	*49.55*	
		For >7 CLF, Deduct	*-59.52*	
07 84 43 00-0082	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	747.50	131.53
		For Up To 1.4 CLF, Add	*46.23*	
		For >7.5 CLF, Deduct	*-55.09*	
07 84 43 00-0083	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	849.63	135.60
		For Up To 1.15 CLF, Add	*53.55*	
		For >6 CLF, Deduct	*-64.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0084	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	938.20	135.60
		For Up To 1 CLF, Add	*60.19*	
		For >5 CLF, Deduct	*-73.48*	
07 84 43 00-0085	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,040.31	139.66
		For Up To 0.8 CLF, Add	*67.51*	
		For >4.5 CLF, Deduct	*-83.01*	
07 84 43 00-0086	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,142.44	145.09
		For Up To 0.75 CLF, Add	*74.84*	
		For >4 CLF, Deduct	*-92.55*	
07 84 43 00-0087	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,244.56	149.16
		For Up To 0.65 CLF, Add	*82.16*	
		For >3.5 CLF, Deduct	*-102.08*	
07 84 43 00-0088	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,550.93	162.72
		For Up To 0.5 CLF, Add	*104.12*	
		For >2.5 CLF, Deduct	*-130.69*	
07 84 43 00-0089	CLF	1" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,959.43	180.35
		For Up To 0.4 CLF, Add	*133.40*	
		For >2 CLF, Deduct	*-168.82*	

07 84 56 Fire Safing *(07 84)*

07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*

		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	11.18	
		For Work In Restricted Working Space, Add	*1.58*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	17.58	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.58*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	19.11	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.58*	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	22.40	13.65
		For Work In Restricted Working Space, Add	*5.48*	
		For >500 To 5,000, Deduct	*-1.86*	
		For >5,000, Deduct	*-3.35*	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	25.82	13.65
		For Work In Restricted Working Space, Add	*5.48*	
		For >500 To 5,000, Deduct	*-2.65*	
		For >5,000, Deduct	*-4.62*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	29.56	13.65
		For Work In Restricted Working Space, Add	*5.48*	
		For >500 To 5,000, Deduct	*-3.51*	
		For >5,000, Deduct	*-6.00*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	33.31	13.65
		For Work In Restricted Working Space, Add	*5.48*	
		For >500 To 5,000, Deduct	*-4.37*	
		For >5,000, Deduct	*-7.39*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	2.61	0.71
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	2.81	0.71
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	3.14	0.71
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	3.67	0.71
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	3.83	0.85
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	4.28	0.85
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	5.45	0.85
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	6.57	0.99
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	7.82	1.13
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	10.78	1.28
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	22.41	1.57

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	3.24	0.85
		For Custom Match Coloring, Add	*0.06*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	9.75	2.42
		For Custom Match Coloring, Add	*0.22*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	11.79	2.56
		For Custom Match Coloring, Add	*0.35*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	12.81	2.71
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	17.11	4.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0007		**Closed Cell Neoprene** *(07 91 26)*		
07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	562.91	164.25
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	883.66	237.27
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	716.05	203.39
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	809.76	213.49
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	1,236.92	328.50
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,401.22	355.82
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,220.80	258.76
07 91 26 00-0015		**Closed Cell Polyvinyl Chloride** *(07 91 26)*		
07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	583.71	203.39
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	1,008.44	328.50
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	769.19	280.39
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	941.47	296.05
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,432.17	454.03
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,690.05	492.74
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	2,259.90	590.66
07 91 26 00-0023		**Silicon RTV Foam Penetration Seal** *(07 91 26)*		
07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	173.09	32.60
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	346.17	65.04
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	515.58	96.65
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	724.70	130.23
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	173.09	32.60
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	515.00	96.36
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	869.83	144.74
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,737.09	288.50
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	3,278.11	520.79
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	5,021.84	813.55
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	7,440.88	1,301.74
07 91 26 00-0035		**Seals O-Ring Type Cord "J-Seal"** *(07 91 26)*		
07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	6.09	1.85
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	6.45	1.85
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	6.77	2.01
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	7.13	2.15
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	7.62	2.29
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	7.96	2.29
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	8.39	2.43
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	8.64	2.43

07 91 33 Expansion Joint Seal Systems *(07 91)*

07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) *(07 91 33)*

07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	99.80	8.59
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	133.42	9.01
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	168.89	9.41
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	208.34	9.83
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	270.20	10.24
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	310.33	10.64
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	360.10	11.06

07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*

Note: Includes preformed neoprene joint seal and lubricant adhesive.

07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	51.15	8.59
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	55.81	8.72
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	67.43	8.85
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	71.55	9.01
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	76.44	9.13
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	93.66	9.25
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	115.49	9.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	136.57	9.83
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	154.59	10.24
07 91 33 00-0020		Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	42.86	8.59
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	55.64	9.01
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	68.22	9.41
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	72.03	9.62
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	79.88	9.83
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	114.49	10.24
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	157.31	10.64
07 91 33 00-0028		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	36.84	3.42
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	61.76	3.55
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	92.96	3.69
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	117.21	3.82
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	154.22	3.95
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	204.02	4.09
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	250.22	4.23
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	337.44	4.37
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	393.94	4.50
07 91 33 00-0038		Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	35.95	3.42
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	47.42	3.55
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	63.61	3.69
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	86.28	3.82
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	98.43	3.95
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	136.58	4.09
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	183.45	4.23
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	198.07	4.37

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001		Silicone Sealants And Caulking *(07 92 13)*		
07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	421.40	122.04
		For Custom Match Coloring, Add	*13.27*	
		For Up To 6 CLF, Add	*22.45*	
		For >30 CLF, Deduct	*-23.83*	
		For 1 Part Mildew Resistant, Add	*19.35*	
		For High-Modulus Non-Acid Curing, Add	*11.06*	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	449.05	122.04
		For Custom Match Coloring, Add	*19.90*	
		For Up To 4 CLF, Add	*24.53*	
		For >20 CLF, Deduct	*-26.60*	
		For 1 Part Mildew Resistant, Add	*29.03*	
		For High-Modulus Non-Acid Curing, Add	*16.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	490.25	126.11
		For Custom Match Coloring, Add	*26.54*	
		For Up To 3 CLF, Add	*27.28*	
		For >15 CLF, Deduct	*-30.04*	
		For 1 Part Mildew Resistant, Add	*38.70*	
		For High-Modulus Non-Acid Curing, Add	*22.11*	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	504.07	126.11
		For Custom Match Coloring, Add	*29.85*	
		For Up To 2.5 CLF, Add	*28.31*	
		For >13 CLF, Deduct	*-31.42*	
		For 1 Part Mildew Resistant, Add	*43.54*	
		For High-Modulus Non-Acid Curing, Add	*24.88*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	545.53	126.11
		For Custom Match Coloring, Add	*39.80*	
		For Up To 2 CLF, Add	*31.42*	
		For >10 CLF, Deduct	*-35.57*	
		For 1 Part Mildew Resistant, Add	*58.05*	
		For High-Modulus Non-Acid Curing, Add	*33.17*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	587.00	126.11
		For Custom Match Coloring, Add	*49.76*	
		For Up To 1.5 CLF, Add	*34.53*	
		For >8 CLF, Deduct	*-39.72*	
		For 1 Part Mildew Resistant, Add	*72.56*	
		For High-Modulus Non-Acid Curing, Add	*41.46*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	642.02	131.53
		For Custom Match Coloring, Add	*59.71*	
		For Up To 1.3 CLF, Add	*38.32*	
		For >7 CLF, Deduct	*-44.54*	
		For 1 Part Mildew Resistant, Add	*87.07*	
		For High-Modulus Non-Acid Curing, Add	*49.76*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	614.38	131.53
		For Custom Match Coloring, Add	*53.07*	
		For Up To 1.4 CLF, Add	*36.25*	
		For >7.5 CLF, Deduct	*-41.78*	
		For 1 Part Mildew Resistant, Add	*77.40*	
		For High-Modulus Non-Acid Curing, Add	*44.23*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	683.23	135.60
		For Custom Match Coloring, Add	*66.34*	
		For Up To 1.15 CLF, Add	*41.07*	
		For >6 CLF, Deduct	*-47.98*	
		For 1 Part Mildew Resistant, Add	*96.75*	
		For High-Modulus Non-Acid Curing, Add	*55.28*	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	738.52	135.60
		For Custom Match Coloring, Add	*79.61*	
		For Up To 1 CLF, Add	*45.22*	
		For >5 CLF, Deduct	*-53.51*	
		For 1 Part Mildew Resistant, Add	*116.10*	
		For High-Modulus Non-Acid Curing, Add	*66.34*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	807.35	139.66
		For Custom Match Coloring, Add	*92.88*	
		For Up To 0.8 CLF, Add	*50.04*	
		For >4.5 CLF, Deduct	*-59.72*	
		For 1 Part Mildew Resistant, Add	*135.45*	
		For High-Modulus Non-Acid Curing, Add	*77.40*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	876.19	145.09
		For Custom Match Coloring, Add	*106.14*	
		For Up To 0.75 CLF, Add	*54.87*	
		For >4 CLF, Deduct	*-65.92*	
		For 1 Part Mildew Resistant, Add	*154.79*	
		For High-Modulus Non-Acid Curing, Add	*88.45*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	945.04	149.16
		For Custom Match Coloring, Add	*119.41*	
		For Up To 0.65 CLF, Add	*59.69*	
		For >3.5 CLF, Deduct	*-72.13*	
		For 1 Part Mildew Resistant, Add	*174.15*	
		For High-Modulus Non-Acid Curing, Add	*99.51*	
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	1,151.57	162.72
		For Custom Match Coloring, Add	*159.22*	
		For Up To 0.5 CLF, Add	*74.16*	
		For >2.5 CLF, Deduct	*-90.75*	
		For 1 Part Mildew Resistant, Add	*232.19*	
		For High-Modulus Non-Acid Curing, Add	*132.68*	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,426.95	180.35
		For Custom Match Coloring, Add	*212.29*	
		For Up To 0.4 CLF, Add	*93.46*	
		For >2 CLF, Deduct	*-115.58*	
		For 1 Part Mildew Resistant, Add	*309.59*	
		For High-Modulus Non-Acid Curing, Add	*176.91*	

07 92 13 00-0017 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	385.52	122.04
		For Up To 6 CLF, Add	*19.76*	
		For >30 CLF, Deduct	*-20.25*	
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	395.21	122.04
		For Up To 4 CLF, Add	*20.49*	
		For >20 CLF, Deduct	*-21.22*	
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	418.47	126.11
		For Up To 3 CLF, Add	*21.89*	
		For >15 CLF, Deduct	*-22.86*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0021		CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	423.32	126.11
			For Up To 2.5 CLF, Add	*22.26*	
			For >13 CLF, Deduct	*-23.35*	
07 92 13 00-0022		CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	437.87	126.11
			For Up To 2 CLF, Add	*23.35*	
			For >10 CLF, Deduct	*-24.80*	
07 92 13 00-0023		CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	452.41	126.11
			For Up To 1.5 CLF, Add	*24.44*	
			For >8 CLF, Deduct	*-26.26*	
07 92 13 00-0024		CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	480.52	131.53
			For Up To 1.3 CLF, Add	*26.21*	
			For >7 CLF, Deduct	*-28.39*	
07 92 13 00-0025		CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	470.82	131.53
			For Up To 1.4 CLF, Add	*25.48*	
			For >7.5 CLF, Deduct	*-27.42*	
07 92 13 00-0026		CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	503.79	135.60
			For Up To 1.15 CLF, Add	*27.61*	
			For >6 CLF, Deduct	*-30.04*	
07 92 13 00-0027		CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	523.18	135.60
			For Up To 1 CLF, Add	*29.07*	
			For >5 CLF, Deduct	*-31.98*	
07 92 13 00-0028		CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	556.13	139.66
			For Up To 0.8 CLF, Add	*31.20*	
			For >4.5 CLF, Deduct	*-34.60*	
07 92 13 00-0029		CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	589.08	145.09
			For Up To 0.75 CLF, Add	*33.33*	
			For >4 CLF, Deduct	*-37.21*	
07 92 13 00-0030		CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	622.04	149.16
			For Up To 0.65 CLF, Add	*35.47*	
			For >3.5 CLF, Deduct	*-39.83*	
07 92 13 00-0031		CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	720.91	162.72
			For Up To 0.5 CLF, Add	*41.86*	
			For >2.5 CLF, Deduct	*-47.68*	
07 92 13 00-0032		CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	852.73	180.35
			For Up To 0.4 CLF, Add	*50.39*	
			For >2 CLF, Deduct	*-58.15*	

07 92 13 00-0033 Polyurethane Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0034		CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	408.52	122.04
			For Up To 6 CLF, Add	*21.49*	
			For >30 CLF, Deduct	*-22.55*	
07 92 13 00-0035		CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	429.72	122.04
			For Up To 4 CLF, Add	*23.08*	
			For >20 CLF, Deduct	*-24.67*	
07 92 13 00-0036		CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	464.48	126.11
			For Up To 3 CLF, Add	*25.34*	
			For >15 CLF, Deduct	*-27.46*	
07 92 13 00-0037		CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	475.08	126.11
			For Up To 2.5 CLF, Add	*26.14*	
			For >13 CLF, Deduct	*-28.52*	
07 92 13 00-0038		CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	506.88	126.11
			For Up To 2 CLF, Add	*28.52*	
			For >10 CLF, Deduct	*-31.70*	
07 92 13 00-0039		CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	538.68	126.11
			For Up To 1.5 CLF, Add	*30.91*	
			For >8 CLF, Deduct	*-34.88*	
07 92 13 00-0040		CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	584.04	131.53
			For Up To 1.3 CLF, Add	*33.97*	
			For >7 CLF, Deduct	*-38.74*	
07 92 13 00-0041		CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	562.84	131.53
			For Up To 1.4 CLF, Add	*32.38*	
			For >7.5 CLF, Deduct	*-36.62*	
07 92 13 00-0042		CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	618.82	135.60
			For Up To 1.15 CLF, Add	*36.24*	
			For >6 CLF, Deduct	*-41.54*	
07 92 13 00-0043		CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	661.22	135.60
			For Up To 1 CLF, Add	*39.42*	
			For >5 CLF, Deduct	*-45.78*	
07 92 13 00-0044		CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	717.17	139.66
			For Up To 0.8 CLF, Add	*43.28*	
			For >4.5 CLF, Deduct	*-50.70*	
07 92 13 00-0045		CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	773.13	145.09
			For Up To 0.75 CLF, Add	*47.14*	
			For >4 CLF, Deduct	*-55.62*	
07 92 13 00-0046		CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	829.09	149.16
			For Up To 0.65 CLF, Add	*50.99*	
			For >3.5 CLF, Deduct	*-60.54*	
07 92 13 00-0047		CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	996.97	162.72
			For Up To 0.5 CLF, Add	*62.57*	
			For >2.5 CLF, Deduct	*-75.29*	

07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0049		CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	412.54	122.04
			For Up To 6 CLF, Add	*21.79*	
			For >30 CLF, Deduct	*-22.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	435.78	122.04
		For Up To 4 CLF, Add	*23.53*	
		For >20 CLF, Deduct	*-25.27*	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	472.55	126.11
		For Up To 3 CLF, Add	*25.95*	
		For >15 CLF, Deduct	*-28.27*	
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	484.16	126.11
		For Up To 2.5 CLF, Add	*26.82*	
		For >13 CLF, Deduct	*-29.43*	
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	519.00	126.11
		For Up To 2 CLF, Add	*29.43*	
		For >10 CLF, Deduct	*-32.92*	
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	553.81	126.11
		For Up To 1.5 CLF, Add	*32.04*	
		For >8 CLF, Deduct	*-36.40*	
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	602.19	131.53
		For Up To 1.3 CLF, Add	*35.33*	
		For >7 CLF, Deduct	*-40.56*	
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	578.98	131.53
		For Up To 1.4 CLF, Add	*33.59*	
		For >7.5 CLF, Deduct	*-38.24*	
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	639.00	135.60
		For Up To 1.15 CLF, Add	*37.75*	
		For >6 CLF, Deduct	*-43.56*	
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	685.42	135.60
		For Up To 1 CLF, Add	*41.24*	
		For >5 CLF, Deduct	*-48.20*	
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	745.42	139.66
		For Up To 0.8 CLF, Add	*45.40*	
		For >4.5 CLF, Deduct	*-53.52*	
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	805.40	145.09
		For Up To 0.75 CLF, Add	*49.56*	
		For >4 CLF, Deduct	*-58.84*	
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	865.41	149.16
		For Up To 0.65 CLF, Add	*53.72*	
		For >3.5 CLF, Deduct	*-64.17*	
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	1,045.38	162.72
		For Up To 0.5 CLF, Add	*66.20*	
		For >2.5 CLF, Deduct	*-80.13*	

07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	422.39	122.04
		For Up To 6 CLF, Add	*22.53*	
		For >30 CLF, Deduct	*-23.93*	
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	450.53	122.04
		For Up To 4 CLF, Add	*24.64*	
		For >20 CLF, Deduct	*-26.75*	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	492.23	126.11
		For Up To 3 CLF, Add	*27.43*	
		For >15 CLF, Deduct	*-30.24*	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	506.30	126.11
		For Up To 2.5 CLF, Add	*28.48*	
		For >13 CLF, Deduct	*-31.65*	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	548.51	126.11
		For Up To 2 CLF, Add	*31.65*	
		For >10 CLF, Deduct	*-35.87*	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	590.71	126.11
		For Up To 1.5 CLF, Add	*34.81*	
		For >8 CLF, Deduct	*-40.09*	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	646.48	131.53
		For Up To 1.3 CLF, Add	*38.66*	
		For >7 CLF, Deduct	*-44.99*	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	618.34	131.53
		For Up To 1.4 CLF, Add	*36.54*	
		For >7.5 CLF, Deduct	*-42.17*	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	688.19	135.60
		For Up To 1.15 CLF, Add	*41.44*	
		For >6 CLF, Deduct	*-48.48*	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	744.46	135.60
		For Up To 1 CLF, Add	*45.66*	
		For >5 CLF, Deduct	*-54.11*	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	814.29	139.66
		For Up To 0.8 CLF, Add	*50.56*	
		For >4.5 CLF, Deduct	*-60.41*	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	884.12	145.09
		For Up To 0.75 CLF, Add	*55.46*	
		For >4 CLF, Deduct	*-66.72*	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	953.96	149.16
		For Up To 0.65 CLF, Add	*60.36*	
		For >3.5 CLF, Deduct	*-73.02*	
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,163.46	162.72
		For Up To 0.5 CLF, Add	*75.06*	
		For >2.5 CLF, Deduct	*-91.94*	

07 92 19 Acoustical Joint Sealants *(07 92)*

07 92 19 00-0001 Acoustical Sealant *(07 92 19)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	418.75	122.04
		For Custom Match Coloring, Add	*12.63*	
		For Up To 6 CLF, Add	*22.25*	
		For >30 CLF, Deduct	*-23.57*	
		For 1 Part Mildew Resistant, Add	*18.42*	
		For High-Modulus Non-Acid Curing, Add	*10.53*	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	438.73	122.04
		For Custom Match Coloring, Add	*17.43*	
		For Up To 4 CLF, Add	*23.75*	
		For >20 CLF, Deduct	*-25.57*	
		For 1 Part Mildew Resistant, Add	*25.41*	
		For High-Modulus Non-Acid Curing, Add	*14.52*	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	464.07	126.11
		For Custom Match Coloring, Add	*20.25*	
		For Up To 3 CLF, Add	*25.31*	
		For >15 CLF, Deduct	*-27.42*	
		For 1 Part Mildew Resistant, Add	*29.54*	
		For High-Modulus Non-Acid Curing, Add	*16.88*	
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	496.77	126.11
		For Custom Match Coloring, Add	*28.10*	
		For Up To 2.5 CLF, Add	*27.77*	
		For >13 CLF, Deduct	*-30.69*	
		For 1 Part Mildew Resistant, Add	*40.98*	
		For High-Modulus Non-Acid Curing, Add	*23.42*	
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	530.77	126.11
		For Custom Match Coloring, Add	*36.26*	
		For Up To 2 CLF, Add	*30.32*	
		For >10 CLF, Deduct	*-34.09*	
		For 1 Part Mildew Resistant, Add	*52.88*	
		For High-Modulus Non-Acid Curing, Add	*30.22*	
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	606.13	131.53
		For Custom Match Coloring, Add	*51.09*	
		For Up To 1.4 CLF, Add	*35.63*	
		For >7.5 CLF, Deduct	*-40.95*	
		For 1 Part Mildew Resistant, Add	*74.51*	
		For High-Modulus Non-Acid Curing, Add	*42.58*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	76.63	6.87
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	57.94	6.87
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	96.45	6.87

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	102.86	6.87
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	69.19	6.87
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	132.60	6.87

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0011 With 1" Space *(07 95 13 13-0010)*

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	56.37	6.87
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	52.66	6.87
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	84.35	6.87

07 95 13 13-0015 With 2" Space *(07 95 13 13-0010)*

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	72.11	6.87
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	58.28	6.87
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	102.42	6.87

07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	104.73	4.58
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	126.81	4.58
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	142.02	4.58

07 95 13 16-0006 Roof To Wall *(07 95 13 16-0001)*

07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	77.16	4.58
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	104.19	4.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 16-0009		**Flat Wall To Wall** *(07 95 13 16-0001)*		
07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	56.92	4.58
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	73.14	4.58
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	92.70	4.58
07 95 13 16-0013		**Corner To Flat Wall** *(07 95 13 16-0001)*		
07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	53.26	4.58
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	64.07	4.58
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	94.44	4.58

END OF SECTION 07

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation and Maintenance of Openings *(08)*

08 01 10 Operation and Maintenance of Doors and Frames *(08 01)*

08 01 11 Operation and Maintenance of Metal Doors and Frames *(08 01 10)*

08 01 11 61 Metal Doors and Frames Repair *(08 01 11)*

08 01 11 61-0001 Hollow Metal Door Repair *(08 01 11 61)*
Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes	23.14	
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish		
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes	46.41	
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish		
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors	55.86	

08 01 50 Operation and Maintenance of Windows *(08 01)*

08 01 52 Operation and Maintenance of Wood Windows *(08 01 50)*

08 01 52 61 Wood Window Repairs *(08 01 52)*

08 01 52 61-0001 Window Restoration And Replacement *(08 01 52 61)*

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	15.12	
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	42.61	
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	47.72	
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	29.67	
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	26.74	
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	32.73	
		Note: Channel, spiral or coil balance.		
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing	100.55	
		Note: Channel, spiral or coil balance.		
		For Replacing Two Balances In One Window, Deduct	*-37.44*	

08 01 70 Operation and Maintenance of Hardware *(08 01)*

08 01 71 Operation and Maintenance of Door Hardware *(08 01 70)*

08 01 71 81 Door Hardware Replacement *(08 01 71)*

08 01 71 81-0001 Replacement Folding Door Hardware *(08 01 71 81)*
Note: Includes track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, 4-door aligner (when necessary), and doorknob.

08 01 71 81-0002 2-Door Folding Door Hardware *(08 01 71 81-0001)*

08 01 71 81-0003	SET	24" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware	312.74	135.65
		Note: Aluminum, top mounted. For replacement only.		
08 01 71 81-0004	SET	30" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware	322.81	139.04
		Note: Aluminum, top mounted. For replacement only.		
08 01 71 81-0005	SET	36" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware	329.58	142.43
		Note: Aluminum, top mounted. For replacement only.		
08 01 71 81-0006	SET	36" Track, 50 Lb. Capacity, 2 Panel Bi-Fold Door Hardware	350.79	142.43
		Note: Aluminum, top mounted. For replacement only.		

08 01 71 81-0007 4-Door Folding Door Hardware *(08 01 71 81-0001)*

08 01 71 81-0008	SET	48" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	479.35	203.47
		Note: Aluminum, top mounted. For replacement only.		
08 01 71 81-0009	SET	48" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	513.65	203.47
		Note: Aluminum, top mounted. For replacement only.		
08 01 71 81-0010	SET	60" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	490.09	203.47
		Note: Aluminum, top mounted. For replacement only.		
08 01 71 81-0011	SET	60" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	525.41	203.47
		Note: Aluminum, top mounted. For replacement only.		
08 01 71 81-0012	SET	72" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	500.54	210.25
		Note: Aluminum, top mounted. For replacement only.		
08 01 71 81-0013	SET	72" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	537.43	210.25
		Note: Aluminum, top mounted. For replacement only.		
08 01 71 81-0014	SET	96" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	493.23	210.25
		Note: Aluminum, top mounted. For replacement only.		
08 01 71 81-0015	SET	96" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	515.81	210.25
		Note: Aluminum, top mounted. For replacement only.		

08 01 71 81-0016 Replacement Sliding Door Hardware *(08 01 71 81)*
Note: Hardware includes track, door pull, by-pass door guide, doorstop, standard hanger, and track stop.

08 01 71 81-0017 2-Door Sliding Door Hardware *(08 01 71 81-0016)*

08 01 71 81-0018	SET	48" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware	184.93	67.82
		Note: Aluminum fascia track. For replacement only.		
08 01 71 81-0019	SET	48" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware	240.39	67.82
		Note: Aluminum fascia track. For replacement only.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 01 71 81-0020	SET	60" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	204.93	74.60
08 01 71 81-0021	SET	60" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	265.30	74.60
08 01 71 81-0022	SET	72" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	238.04	81.39
08 01 71 81-0023	SET	72" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	290.58	81.39

08 01 71 81-0024 4-Door Sliding Door Hardware *(08 01 71 81-0016)*

08 01 71 81-0025	SET	96" Track, 200 Lb. Capacity, 4 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	399.02	135.65
08 01 71 81-0026	SET	96" Track, 300 Lb. Capacity, 4 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	472.91	135.65

08 01 80 Maintenance of Glazing *(08 01)*

08 01 81 Maintenance of Glass Glazing *(08 01 80)*

08 01 81 10 Maintenance of Glass Glazing *(08 01 81)*

08 01 81 10-0001 Glazing Compound Repair *(08 01 81 10)*

08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing (For Glazing Compound Repair)	8.84

08 05 Common Work Results for Openings *(08)*

08 05 13 Door Options and Modifications *(08 05)*

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) *(08 05 13)*

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	151.19
		For 9/16" To 1-1/16" Glazing Pocket, Add	*75.60*
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	191.38
		For 9/16" To 1-1/16" Glazing Pocket, Add	*95.69*
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	222.00
		For 9/16" To 1-1/16" Glazing Pocket, Add	*111.00*
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	283.24
		For 9/16" To 1-1/16" Glazing Pocket, Add	*141.62*
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	367.44
		For 9/16" To 1-1/16" Glazing Pocket, Add	*183.72*
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	468.87
		For 9/16" To 1-1/16" Glazing Pocket, Add	*234.44*
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	497.58
		For 9/16" To 1-1/16" Glazing Pocket, Add	*248.79*
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	273.09
		For 9/16" To 1-1/16" Glazing Pocket, Add	*68.72*
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	323.20
		For 9/16" To 1-1/16" Glazing Pocket, Add	*86.99*
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	364.58
		For 9/16" To 1-1/16" Glazing Pocket, Add	*100.91*
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	433.83
		For 9/16" To 1-1/16" Glazing Pocket, Add	*128.75*
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	523.95
		For 9/16" To 1-1/16" Glazing Pocket, Add	*167.02*
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	629.71
		For 9/16" To 1-1/16" Glazing Pocket, Add	*213.12*
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	669.38
		For 9/16" To 1-1/16" Glazing Pocket, Add	*226.17*

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	144.16
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	163.77
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	222.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	415.06	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	513.29	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	613.10	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	800.04	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	941.76	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*113.01*	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	245.90	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	275.67	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	344.66	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	547.32	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	655.72	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	765.70	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	962.81	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,111.32	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*113.01*	

08 05 13 00-0033 Fire Rated Fusible Link Louvers (Pemko LV-FL) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	291.93	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	334.06	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	392.39	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	414.01	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	469.71	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	538.89	

08 05 13 00-0040 Door Hardware Preparation *(08 05 13)*

08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	101.70	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware Note: Requires door to be taken off site for UL certification.	250.86	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	115.26	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware Note: Requires door to be taken off site for UL certification.	203.41	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	33.90	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod Note: Requires door to be taken off site for UL certification.	372.94	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod	237.29	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware Note: Requires door to be taken off site for UL certification.	250.86	
08 05 13 00-0049	EA	Prepare Existing Wood Door (Non-Rated) For Electric Hardware	115.26	

08 05 13 00-0050 Door Modifications *(08 05 13)*

08 05 13 00-0051	EA	Factory Installed Sound Proofing (STC 28) In Metal Door	120.08	
08 05 13 00-0052	SF	For 16 Gauge Steel Metal Plate Bolted On Door Note: Includes mounting hardware.	27.24	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	122.08	
08 05 13 00-0054	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	61.41	
08 05 13 00-0055	EA	Modify Metal Door Frame For Door Swing Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	1,489.29	
08 05 13 00-0056	EA	Removal And Reinstallation Of Door	115.30	
08 05 13 00-0057	EA	Removal And Reinstallation Of Metal Door Frame	226.08	
08 05 13 00-0058	EA	Removal And Reinstallation Of Wood Door Frame	136.47	
08 05 13 00-0059	EA	For Factory Installed Fire Bottom Seal In Wood Door, Add	153.09	
08 05 13 00-0060	EA	For Factory Installed Fire Bottom Seal In Steel Door, Add	180.39	
08 05 13 00-0061	EA	Factory Trim Wood Door Edge For Custom Width	88.71	

08 10 Doors and Frames *(08)*

08 11 Metal Doors and Frames *(08 10)*

08 11 13 Hollow Metal Doors and Frames *(08 11)*

See CSI section 08 12 13 00-0000 for hollow metal frames, 08 13 13 00-0000 for hollow metal doors.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 11 16 Aluminum Doors and Frames *(08 11)*

See CSI section 08 12 16 00-0000 for aluminum frames.

08 11 63 Metal Screen and Storm Doors and Frames *(08 11)*

08 11 63 13 Steel Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 13-0001 Steel Screen Door *(08 11 63 13)*

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	948.55	186.52
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	962.17	193.30
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	1,331.00	193.30

08 11 63 23 Aluminum Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom *(08 11 63 23)*

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,127.56	108.52
		For Special Finished, Add	*102.75*	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	1,185.31	108.52
08 11 63 23-0004	EA	Aluminum Screen Door	344.30	67.80
08 11 63 23-0005	SF	Repair Screen Door	19.36	

08 11 73 Sliding Metal Fire Doors *(08 11)*

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link *(08 11 73)*

Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,617.73	572.68
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,909.53	572.68
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,396.90	572.68
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,928.01	572.68

08 12 Metal Frames *(08 10)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames *(08 12)*

08 12 13 13 Standard Hollow Metal Frames *(08 12 13)*

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	772.34	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	*85.33*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*68.26*	
		For Type 304 Stainless Steel Frame, Add	*1,034.14*	
		For Type 316 Stainless Steel Frame, Add	*1,204.80*	
		For Baked Enamel Finish, Add	*201.18*	
		For 18 Gauge Frame, Deduct	*-56.89*	
		For 14 Gauge Frame, Add	*142.22*	
		For 12 Gauge Frame, Add	*216.17*	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	901.05	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	*101.58*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*81.27*	
		For Type 304 Stainless Steel Frame, Add	*1,230.21*	
		For Type 316 Stainless Steel Frame, Add	*1,433.37*	
		For Baked Enamel Finish, Add	*236.74*	
		For 18 Gauge Frame, Deduct	*-67.72*	
		For 14 Gauge Frame, Add	*169.31*	
		For 12 Gauge Frame, Add	*257.35*	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	925.46	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*103.21*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*82.57*	
		For Type 304 Stainless Steel Frame, Add	*1,250.40*	
		For Type 316 Stainless Steel Frame, Add	*1,456.82*	
		For Baked Enamel Finish, Add	*242.03*	
		For 18 Gauge Frame, Deduct	*-68.81*	
		For 14 Gauge Frame, Add	*172.02*	
		For 12 Gauge Frame, Add	*261.47*	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	945.80	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*103.21*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*82.57*	
		For Type 304 Stainless Steel Frame, Add	*1,251.41*	
		For Type 316 Stainless Steel Frame, Add	*1,457.83*	
		For Baked Enamel Finish, Add	*245.08*	
		For 18 Gauge Frame, Deduct	*-68.81*	
		For 14 Gauge Frame, Add	*172.02*	
		For 12 Gauge Frame, Add	*261.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	963.41	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*104.84*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*83.87*	
		For Type 304 Stainless Steel Frame, Add	*1,271.25*	
		For Type 316 Stainless Steel Frame, Add	*1,480.92*	
		For Baked Enamel Finish, Add	*249.35*	
		For 18 Gauge Frame, Deduct	*-69.89*	
		For 14 Gauge Frame, Add	*174.73*	
		For 12 Gauge Frame, Add	*265.58*	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	981.04	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	*106.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*85.17*	
		For Type 304 Stainless Steel Frame, Add	*1,291.10*	
		For Type 316 Stainless Steel Frame, Add	*1,504.02*	
		For Baked Enamel Finish, Add	*253.62*	
		For 18 Gauge Frame, Deduct	*-70.97*	
		For 14 Gauge Frame, Add	*177.44*	
		For 12 Gauge Frame, Add	*269.70*	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,043.35	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	*113.78*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.02*	
		For Type 304 Stainless Steel Frame, Add	*1,379.54*	
		For Type 316 Stainless Steel Frame, Add	*1,607.09*	
		For Baked Enamel Finish, Add	*270.28*	
		For 18 Gauge Frame, Deduct	*-75.85*	
		For 14 Gauge Frame, Add	*189.63*	
		For 12 Gauge Frame, Add	*288.23*	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,056.92	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*113.78*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.02*	
		For Type 304 Stainless Steel Frame, Add	*1,380.22*	
		For Type 316 Stainless Steel Frame, Add	*1,607.77*	
		For Baked Enamel Finish, Add	*272.31*	
		For 18 Gauge Frame, Deduct	*-75.85*	
		For 14 Gauge Frame, Add	*189.63*	
		For 12 Gauge Frame, Add	*288.23*	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,097.58	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	*117.84*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*94.27*	
		For Type 304 Stainless Steel Frame, Add	*1,429.66*	
		For Type 316 Stainless Steel Frame, Add	*1,665.34*	
		For Baked Enamel Finish, Add	*282.48*	
		For 18 Gauge Frame, Deduct	*-78.56*	
		For 14 Gauge Frame, Add	*196.40*	
		For 12 Gauge Frame, Add	*298.52*	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,138.24	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.90*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*97.52*	
		For Type 304 Stainless Steel Frame, Add	*1,479.10*	
		For Type 316 Stainless Steel Frame, Add	*1,722.91*	
		For Baked Enamel Finish, Add	*292.64*	
		For 18 Gauge Frame, Deduct	*-81.27*	
		For 14 Gauge Frame, Add	*203.17*	
		For 12 Gauge Frame, Add	*308.82*	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,151.80	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.90*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*97.52*	
		For Type 304 Stainless Steel Frame, Add	*1,479.78*	
		For Type 316 Stainless Steel Frame, Add	*1,723.58*	
		For Baked Enamel Finish, Add	*294.67*	
		For 18 Gauge Frame, Deduct	*-81.27*	
		For 14 Gauge Frame, Add	*203.17*	
		For 12 Gauge Frame, Add	*308.82*	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,172.12	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*123.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*99.15*	
		For Type 304 Stainless Steel Frame, Add	*1,504.49*	
		For Type 316 Stainless Steel Frame, Add	*1,752.36*	
		For Baked Enamel Finish, Add	*299.75*	
		For 18 Gauge Frame, Deduct	*-82.62*	
		For 14 Gauge Frame, Add	*206.56*	
		For 12 Gauge Frame, Add	*313.96*	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,192.45	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.97*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*100.77*	
		For Type 304 Stainless Steel Frame, Add	*1,529.22*	
		For Type 316 Stainless Steel Frame, Add	*1,781.15*	
		For Baked Enamel Finish, Add	*304.83*	
		For 18 Gauge Frame, Deduct	*-83.98*	
		For 14 Gauge Frame, Add	*209.94*	
		For 12 Gauge Frame, Add	*319.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,253.41	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.09*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*107.27*	
		For Type 304 Stainless Steel Frame, Add	*1,627.07*	
		For Type 316 Stainless Steel Frame, Add	*1,895.25*	
		For Baked Enamel Finish, Add	*322.10*	
		For 18 Gauge Frame, Deduct	*-89.39*	
		For 14 Gauge Frame, Add	*223.49*	
		For 12 Gauge Frame, Add	*339.70*	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,314.37	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*142.22*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*113.77*	
		For Type 304 Stainless Steel Frame, Add	*1,724.93*	
		For Type 316 Stainless Steel Frame, Add	*2,009.36*	
		For Baked Enamel Finish, Add	*339.37*	
		For 18 Gauge Frame, Deduct	*-94.81*	
		For 14 Gauge Frame, Add	*237.03*	
		For 12 Gauge Frame, Add	*360.29*	

08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	835.55	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	*94.81*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*75.85*	
		For Type 304 Stainless Steel Frame, Add	*1,147.92*	
		For Type 316 Stainless Steel Frame, Add	*1,337.54*	
		For Baked Enamel Finish, Add	*220.14*	
		For 18 Gauge Frame, Deduct	*-63.21*	
		For 14 Gauge Frame, Add	*158.02*	
		For 12 Gauge Frame, Add	*240.19*	
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	976.30	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	*112.87*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*90.30*	
		For Type 304 Stainless Steel Frame, Add	*1,365.66*	
		For Type 316 Stainless Steel Frame, Add	*1,591.40*	
		For Baked Enamel Finish, Add	*259.32*	
		For 18 Gauge Frame, Deduct	*-75.25*	
		For 14 Gauge Frame, Add	*188.12*	
		For 12 Gauge Frame, Add	*285.94*	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,001.91	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Type 304 Stainless Steel Frame, Add	*1,388.01*	
		For Type 316 Stainless Steel Frame, Add	*1,617.36*	
		For Baked Enamel Finish, Add	*264.96*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,022.25	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Type 304 Stainless Steel Frame, Add	*1,389.02*	
		For Type 316 Stainless Steel Frame, Add	*1,618.38*	
		For Baked Enamel Finish, Add	*268.02*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,041.07	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*116.48*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*93.19*	
		For Type 304 Stainless Steel Frame, Add	*1,411.03*	
		For Type 316 Stainless Steel Frame, Add	*1,644.00*	
		For Baked Enamel Finish, Add	*272.64*	
		For 18 Gauge Frame, Deduct	*-77.66*	
		For 14 Gauge Frame, Add	*194.14*	
		For 12 Gauge Frame, Add	*295.09*	
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,059.90	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	*118.29*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*94.63*	
		For Type 304 Stainless Steel Frame, Add	*1,433.05*	
		For Type 316 Stainless Steel Frame, Add	*1,669.63*	
		For Baked Enamel Finish, Add	*277.28*	
		For 18 Gauge Frame, Deduct	*-78.86*	
		For 14 Gauge Frame, Add	*197.15*	
		For 12 Gauge Frame, Add	*299.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,127.63	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Type 304 Stainless Steel Frame, Add	*1,531.25*	
		For Type 316 Stainless Steel Frame, Add	*1,784.08*	
		For Baked Enamel Finish, Add	*295.56*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,141.20	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Type 304 Stainless Steel Frame, Add	*1,531.93*	
		For Type 316 Stainless Steel Frame, Add	*1,784.76*	
		For Baked Enamel Finish, Add	*297.60*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,184.87	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	*130.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*104.75*	
		For Type 304 Stainless Steel Frame, Add	*1,586.78*	
		For Type 316 Stainless Steel Frame, Add	*1,848.65*	
		For Baked Enamel Finish, Add	*308.66*	
		For 18 Gauge Frame, Deduct	*-87.29*	
		For 14 Gauge Frame, Add	*218.22*	
		For 12 Gauge Frame, Add	*331.69*	
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,228.53	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Type 304 Stainless Steel Frame, Add	*1,641.62*	
		For Type 316 Stainless Steel Frame, Add	*1,912.52*	
		For Baked Enamel Finish, Add	*319.73*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,242.09	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Type 304 Stainless Steel Frame, Add	*1,642.30*	
		For Type 316 Stainless Steel Frame, Add	*1,913.19*	
		For Baked Enamel Finish, Add	*321.76*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,263.92	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*137.70*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*110.16*	
		For Type 304 Stainless Steel Frame, Add	*1,669.73*	
		For Type 316 Stainless Steel Frame, Add	*1,945.14*	
		For Baked Enamel Finish, Add	*327.29*	
		For 18 Gauge Frame, Deduct	*-91.80*	
		For 14 Gauge Frame, Add	*229.51*	
		For 12 Gauge Frame, Add	*348.85*	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,285.75	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.96*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*111.97*	
		For Type 304 Stainless Steel Frame, Add	*1,697.16*	
		For Type 316 Stainless Steel Frame, Add	*1,977.08*	
		For Baked Enamel Finish, Add	*332.82*	
		For 18 Gauge Frame, Deduct	*-93.31*	
		For 14 Gauge Frame, Add	*233.27*	
		For 12 Gauge Frame, Add	*354.57*	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,352.74	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.99*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*119.19*	
		For Type 304 Stainless Steel Frame, Add	*1,805.86*	
		For Type 316 Stainless Steel Frame, Add	*2,103.84*	
		For Baked Enamel Finish, Add	*351.90*	
		For 18 Gauge Frame, Deduct	*-99.33*	
		For 14 Gauge Frame, Add	*248.32*	
		For 12 Gauge Frame, Add	*377.44*	
08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,419.72	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.02*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*126.42*	
		For Type 304 Stainless Steel Frame, Add	*1,914.56*	
		For Type 316 Stainless Steel Frame, Add	*2,230.60*	
		For Baked Enamel Finish, Add	*370.98*	
		For 18 Gauge Frame, Deduct	*-105.35*	
		For 14 Gauge Frame, Add	*263.37*	
		For 12 Gauge Frame, Add	*400.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0034		5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035		6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*		
08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	835.55	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	*94.81*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*75.85*	
		For Type 304 Stainless Steel Frame, Add	*1,147.92*	
		For Type 316 Stainless Steel Frame, Add	*1,337.54*	
		For Baked Enamel Finish, Add	*220.14*	
		For 18 Gauge Frame, Deduct	*-63.21*	
		For 14 Gauge Frame, Add	*158.02*	
		For 12 Gauge Frame, Add	*240.19*	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	976.30	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	*112.87*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*90.30*	
		For Type 304 Stainless Steel Frame, Add	*1,365.66*	
		For Type 316 Stainless Steel Frame, Add	*1,591.40*	
		For Baked Enamel Finish, Add	*259.32*	
		For 18 Gauge Frame, Deduct	*-75.25*	
		For 14 Gauge Frame, Add	*188.12*	
		For 12 Gauge Frame, Add	*285.94*	
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,001.91	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Type 304 Stainless Steel Frame, Add	*1,388.01*	
		For Type 316 Stainless Steel Frame, Add	*1,617.36*	
		For Baked Enamel Finish, Add	*264.96*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,022.25	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Type 304 Stainless Steel Frame, Add	*1,389.02*	
		For Type 316 Stainless Steel Frame, Add	*1,618.38*	
		For Baked Enamel Finish, Add	*268.02*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,041.07	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*116.48*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*93.19*	
		For Type 304 Stainless Steel Frame, Add	*1,411.03*	
		For Type 316 Stainless Steel Frame, Add	*1,644.00*	
		For Baked Enamel Finish, Add	*272.64*	
		For 18 Gauge Frame, Deduct	*-77.66*	
		For 14 Gauge Frame, Add	*194.14*	
		For 12 Gauge Frame, Add	*295.09*	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,059.90	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	*118.29*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*94.63*	
		For Type 304 Stainless Steel Frame, Add	*1,433.05*	
		For Type 316 Stainless Steel Frame, Add	*1,669.63*	
		For Baked Enamel Finish, Add	*277.28*	
		For 18 Gauge Frame, Deduct	*-78.86*	
		For 14 Gauge Frame, Add	*197.15*	
		For 12 Gauge Frame, Add	*299.67*	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,127.63	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Type 304 Stainless Steel Frame, Add	*1,531.25*	
		For Type 316 Stainless Steel Frame, Add	*1,784.08*	
		For Baked Enamel Finish, Add	*295.56*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,141.20	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Type 304 Stainless Steel Frame, Add	*1,531.93*	
		For Type 316 Stainless Steel Frame, Add	*1,784.76*	
		For Baked Enamel Finish, Add	*297.60*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,184.86	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	*130.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*104.74*	
		For Type 304 Stainless Steel Frame, Add	*1,586.77*	
		For Type 316 Stainless Steel Frame, Add	*1,848.63*	
		For Baked Enamel Finish, Add	*308.66*	
		For 18 Gauge Frame, Deduct	*-87.29*	
		For 14 Gauge Frame, Add	*218.22*	
		For 12 Gauge Frame, Add	*331.69*	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,228.53	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Type 304 Stainless Steel Frame, Add	*1,641.62*	
		For Type 316 Stainless Steel Frame, Add	*1,912.52*	
		For Baked Enamel Finish, Add	*319.73*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,242.09	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Type 304 Stainless Steel Frame, Add	*1,642.30*	
		For Type 316 Stainless Steel Frame, Add	*1,913.19*	
		For Baked Enamel Finish, Add	*321.76*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,263.92	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*137.70*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*110.16*	
		For Type 304 Stainless Steel Frame, Add	*1,669.73*	
		For Type 316 Stainless Steel Frame, Add	*1,945.14*	
		For Baked Enamel Finish, Add	*327.29*	
		For 18 Gauge Frame, Deduct	*-91.80*	
		For 14 Gauge Frame, Add	*229.51*	
		For 12 Gauge Frame, Add	*348.85*	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,285.75	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.96*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*111.97*	
		For Type 304 Stainless Steel Frame, Add	*1,697.16*	
		For Type 316 Stainless Steel Frame, Add	*1,977.08*	
		For Baked Enamel Finish, Add	*332.82*	
		For 18 Gauge Frame, Deduct	*-93.31*	
		For 14 Gauge Frame, Add	*233.27*	
		For 12 Gauge Frame, Add	*354.57*	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,352.74	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.99*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*119.19*	
		For Type 304 Stainless Steel Frame, Add	*1,805.86*	
		For Type 316 Stainless Steel Frame, Add	*2,103.84*	
		For Baked Enamel Finish, Add	*351.90*	
		For 18 Gauge Frame, Deduct	*-99.33*	
		For 14 Gauge Frame, Add	*248.32*	
		For 12 Gauge Frame, Add	*377.44*	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,419.72	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.02*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*126.42*	
		For Type 304 Stainless Steel Frame, Add	*1,914.56*	
		For Type 316 Stainless Steel Frame, Add	*2,230.60*	
		For Baked Enamel Finish, Add	*370.98*	
		For 18 Gauge Frame, Deduct	*-105.35*	
		For 14 Gauge Frame, Add	*263.37*	
		For 12 Gauge Frame, Add	*400.32*	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	905.78	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	*105.35*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*84.28*	
		For Type 304 Stainless Steel Frame, Add	*1,274.33*	
		For Type 316 Stainless Steel Frame, Add	*1,485.02*	
		For Baked Enamel Finish, Add	*241.21*	
		For 18 Gauge Frame, Deduct	*-70.23*	
		For 14 Gauge Frame, Add	*175.58*	
		For 12 Gauge Frame, Add	*266.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,059.91	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.41*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*100.33*	
		For Type 304 Stainless Steel Frame, Add	*1,516.15*	
		For Type 316 Stainless Steel Frame, Add	*1,766.98*	
		For Baked Enamel Finish, Add	*284.40*	
		For 18 Gauge Frame, Deduct	*-83.61*	
		For 14 Gauge Frame, Add	*209.02*	
		For 12 Gauge Frame, Add	*317.71*	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,086.85	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*127.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.94*	
		For Type 304 Stainless Steel Frame, Add	*1,540.90*	
		For Type 316 Stainless Steel Frame, Add	*1,795.74*	
		For Baked Enamel Finish, Add	*290.45*	
		For 18 Gauge Frame, Deduct	*-84.95*	
		For 14 Gauge Frame, Add	*212.37*	
		For 12 Gauge Frame, Add	*322.79*	
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,107.19	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*127.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.94*	
		For Type 304 Stainless Steel Frame, Add	*1,541.91*	
		For Type 316 Stainless Steel Frame, Add	*1,796.75*	
		For Baked Enamel Finish, Add	*293.50*	
		For 18 Gauge Frame, Deduct	*-84.95*	
		For 14 Gauge Frame, Add	*212.37*	
		For 12 Gauge Frame, Add	*322.79*	
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,127.35	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*129.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*103.54*	
		For Type 304 Stainless Steel Frame, Add	*1,566.34*	
		For Type 316 Stainless Steel Frame, Add	*1,825.19*	
		For Baked Enamel Finish, Add	*298.53*	
		For 18 Gauge Frame, Deduct	*-86.28*	
		For 14 Gauge Frame, Add	*215.71*	
		For 12 Gauge Frame, Add	*327.88*	
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,147.52	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	*131.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*105.15*	
		For Type 304 Stainless Steel Frame, Add	*1,590.76*	
		For Type 316 Stainless Steel Frame, Add	*1,853.63*	
		For Baked Enamel Finish, Add	*303.56*	
		For 18 Gauge Frame, Deduct	*-87.62*	
		For 14 Gauge Frame, Add	*219.06*	
		For 12 Gauge Frame, Add	*332.96*	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,221.27	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	*140.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*112.37*	
		For Type 304 Stainless Steel Frame, Add	*1,699.80*	
		For Type 316 Stainless Steel Frame, Add	*1,980.72*	
		For Baked Enamel Finish, Add	*323.65*	
		For 18 Gauge Frame, Deduct	*-93.64*	
		For 14 Gauge Frame, Add	*234.11*	
		For 12 Gauge Frame, Add	*355.84*	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,234.84	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*140.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*112.37*	
		For Type 304 Stainless Steel Frame, Add	*1,700.48*	
		For Type 316 Stainless Steel Frame, Add	*1,981.40*	
		For Baked Enamel Finish, Add	*325.69*	
		For 18 Gauge Frame, Deduct	*-93.64*	
		For 14 Gauge Frame, Add	*234.11*	
		For 12 Gauge Frame, Add	*355.84*	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,281.85	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	*145.48*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*116.38*	
		For Type 304 Stainless Steel Frame, Add	*1,761.35*	
		For Type 316 Stainless Steel Frame, Add	*2,052.31*	
		For Baked Enamel Finish, Add	*337.76*	
		For 18 Gauge Frame, Deduct	*-96.99*	
		For 14 Gauge Frame, Add	*242.47*	
		For 12 Gauge Frame, Add	*368.55*	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,328.86	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.50*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*120.40*	
		For Type 304 Stainless Steel Frame, Add	*1,822.22*	
		For Type 316 Stainless Steel Frame, Add	*2,123.21*	
		For Baked Enamel Finish, Add	*349.82*	
		For 18 Gauge Frame, Deduct	*-100.33*	
		For 14 Gauge Frame, Add	*250.83*	
		For 12 Gauge Frame, Add	*381.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,342.42	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.50*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*120.40*	
		For Type 304 Stainless Steel Frame, Add	*1,822.90*	
		For Type 316 Stainless Steel Frame, Add	*2,123.89*	
		For Baked Enamel Finish, Add	*351.86*	
		For 18 Gauge Frame, Deduct	*-100.33*	
		For 14 Gauge Frame, Add	*250.83*	
		For 12 Gauge Frame, Add	*381.25*	
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,365.93	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*153.00*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*122.40*	
		For Type 304 Stainless Steel Frame, Add	*1,853.35*	
		For Type 316 Stainless Steel Frame, Add	*2,159.36*	
		For Baked Enamel Finish, Add	*357.89*	
		For 18 Gauge Frame, Deduct	*-102.00*	
		For 14 Gauge Frame, Add	*255.01*	
		For 12 Gauge Frame, Add	*387.61*	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,389.43	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*155.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*124.41*	
		For Type 304 Stainless Steel Frame, Add	*1,883.78*	
		For Type 316 Stainless Steel Frame, Add	*2,194.81*	
		For Baked Enamel Finish, Add	*363.93*	
		For 18 Gauge Frame, Deduct	*-103.68*	
		For 14 Gauge Frame, Add	*259.19*	
		For 12 Gauge Frame, Add	*393.97*	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,463.11	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	*165.55*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*132.44*	
		For Type 304 Stainless Steel Frame, Add	*2,004.53*	
		For Type 316 Stainless Steel Frame, Add	*2,335.62*	
		For Baked Enamel Finish, Add	*385.01*	
		For 18 Gauge Frame, Deduct	*-110.36*	
		For 14 Gauge Frame, Add	*275.91*	
		For 12 Gauge Frame, Add	*419.38*	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,536.77	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*175.58*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*140.46*	
		For Type 304 Stainless Steel Frame, Add	*2,125.25*	
		For Type 316 Stainless Steel Frame, Add	*2,476.40*	
		For Baked Enamel Finish, Add	*406.09*	
		For 18 Gauge Frame, Deduct	*-117.05*	
		For 14 Gauge Frame, Add	*292.63*	
		For 12 Gauge Frame, Add	*444.80*	

08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,204.13	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.10*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*120.08*	
		For Type 304 Stainless Steel Frame, Add	*1,811.36*	
		For Type 316 Stainless Steel Frame, Add	*2,111.56*	
		For Baked Enamel Finish, Add	*330.72*	
		For 18 Gauge Frame, Deduct	*-100.07*	
		For 14 Gauge Frame, Add	*250.17*	
		For 12 Gauge Frame, Add	*380.25*	
08 12 13 13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,415.08	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	*178.69*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*142.95*	
		For Type 304 Stainless Steel Frame, Add	*2,155.46*	
		For Type 316 Stainless Steel Frame, Add	*2,512.84*	
		For Baked Enamel Finish, Add	*390.95*	
		For 18 Gauge Frame, Deduct	*-119.13*	
		For 14 Gauge Frame, Add	*297.82*	
		For 12 Gauge Frame, Add	*452.68*	
08 12 13 13-0071	EA	2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,447.71	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*181.55*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*145.24*	
		For Type 304 Stainless Steel Frame, Add	*2,190.45*	
		For Type 316 Stainless Steel Frame, Add	*2,553.54*	
		For Baked Enamel Finish, Add	*398.70*	
		For 18 Gauge Frame, Deduct	*-121.03*	
		For 14 Gauge Frame, Add	*302.58*	
		For 12 Gauge Frame, Add	*459.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,468.05	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*181.55*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*145.24*	
		For Type 304 Stainless Steel Frame, Add	*2,191.46*	
		For Type 316 Stainless Steel Frame, Add	*2,554.56*	
		For Baked Enamel Finish, Add	*401.76*	
		For 18 Gauge Frame, Deduct	*-121.03*	
		For 14 Gauge Frame, Add	*302.58*	
		For 12 Gauge Frame, Add	*459.92*	
08 12 13 13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,493.89	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*184.41*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*147.53*	
		For Type 304 Stainless Steel Frame, Add	*2,226.11*	
		For Type 316 Stainless Steel Frame, Add	*2,594.92*	
		For Baked Enamel Finish, Add	*408.49*	
		For 18 Gauge Frame, Deduct	*-122.94*	
		For 14 Gauge Frame, Add	*307.35*	
		For 12 Gauge Frame, Add	*467.16*	
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,519.74	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	*187.27*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*149.81*	
		For Type 304 Stainless Steel Frame, Add	*2,260.76*	
		For Type 316 Stainless Steel Frame, Add	*2,635.29*	
		For Baked Enamel Finish, Add	*415.23*	
		For 18 Gauge Frame, Deduct	*-124.84*	
		For 14 Gauge Frame, Add	*312.11*	
		For 12 Gauge Frame, Add	*474.41*	
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,619.06	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	*200.13*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*160.11*	
		For Type 304 Stainless Steel Frame, Add	*2,415.82*	
		For Type 316 Stainless Steel Frame, Add	*2,816.08*	
		For Baked Enamel Finish, Add	*442.99*	
		For 18 Gauge Frame, Deduct	*-133.42*	
		For 14 Gauge Frame, Add	*333.55*	
		For 12 Gauge Frame, Add	*507.00*	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,632.63	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*200.13*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*160.11*	
		For Type 304 Stainless Steel Frame, Add	*2,416.50*	
		For Type 316 Stainless Steel Frame, Add	*2,816.76*	
		For Baked Enamel Finish, Add	*445.03*	
		For 18 Gauge Frame, Deduct	*-133.42*	
		For 14 Gauge Frame, Add	*333.55*	
		For 12 Gauge Frame, Add	*507.00*	
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,693.85	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.28*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*165.82*	
		For Type 304 Stainless Steel Frame, Add	*2,502.95*	
		For Type 316 Stainless Steel Frame, Add	*2,917.51*	
		For Baked Enamel Finish, Add	*461.36*	
		For 18 Gauge Frame, Deduct	*-138.19*	
		For 14 Gauge Frame, Add	*345.47*	
		For 12 Gauge Frame, Add	*525.11*	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,755.07	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*171.54*	
		For Type 304 Stainless Steel Frame, Add	*2,589.40*	
		For Type 316 Stainless Steel Frame, Add	*3,018.25*	
		For Baked Enamel Finish, Add	*477.69*	
		For 18 Gauge Frame, Deduct	*-142.95*	
		For 14 Gauge Frame, Add	*357.38*	
		For 12 Gauge Frame, Add	*543.21*	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,768.63	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*171.54*	
		For Type 304 Stainless Steel Frame, Add	*2,590.07*	
		For Type 316 Stainless Steel Frame, Add	*3,018.93*	
		For Baked Enamel Finish, Add	*479.72*	
		For 18 Gauge Frame, Deduct	*-142.95*	
		For 14 Gauge Frame, Add	*357.38*	
		For 12 Gauge Frame, Add	*543.21*	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,799.23	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*218.00*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*174.40*	
		For Type 304 Stainless Steel Frame, Add	*2,633.29*	
		For Type 316 Stainless Steel Frame, Add	*3,069.29*	
		For Baked Enamel Finish, Add	*487.88*	
		For 18 Gauge Frame, Deduct	*-145.33*	
		For 14 Gauge Frame, Add	*363.33*	
		For 12 Gauge Frame, Add	*552.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,829.84	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*221.57*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*177.26*	
		For Type 304 Stainless Steel Frame, Add	*2,676.52*	
		For Type 316 Stainless Steel Frame, Add	*3,119.67*	
		For Baked Enamel Finish, Add	*496.05*	
		For 18 Gauge Frame, Deduct	*-147.72*	
		For 14 Gauge Frame, Add	*369.29*	
		For 12 Gauge Frame, Add	*561.32*	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,931.92	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	*235.87*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*188.69*	
		For Type 304 Stainless Steel Frame, Add	*2,848.38*	
		For Type 316 Stainless Steel Frame, Add	*3,320.12*	
		For Baked Enamel Finish, Add	*525.66*	
		For 18 Gauge Frame, Deduct	*-157.25*	
		For 14 Gauge Frame, Add	*393.11*	
		For 12 Gauge Frame, Add	*597.53*	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,034.01	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*250.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*200.13*	
		For Type 304 Stainless Steel Frame, Add	*3,020.28*	
		For Type 316 Stainless Steel Frame, Add	*3,520.61*	
		For Baked Enamel Finish, Add	*555.27*	
		For 18 Gauge Frame, Deduct	*-166.78*	
		For 14 Gauge Frame, Add	*416.94*	
		For 12 Gauge Frame, Add	*633.75*	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,315.31	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	*166.78*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*133.42*	
		For Type 304 Stainless Steel Frame, Add	*2,011.49*	
		For Type 316 Stainless Steel Frame, Add	*2,345.04*	
		For Baked Enamel Finish, Add	*364.07*	
		For 18 Gauge Frame, Deduct	*-111.18*	
		For 14 Gauge Frame, Add	*277.96*	
		For 12 Gauge Frame, Add	*422.50*	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,547.44	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	*198.54*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*158.83*	
		For Type 304 Stainless Steel Frame, Add	*2,393.71*	
		For Type 316 Stainless Steel Frame, Add	*2,790.79*	
		For Baked Enamel Finish, Add	*430.66*	
		For 18 Gauge Frame, Deduct	*-132.36*	
		For 14 Gauge Frame, Add	*330.91*	
		For 12 Gauge Frame, Add	*502.98*	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,582.19	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.72*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*161.38*	
		For Type 304 Stainless Steel Frame, Add	*2,432.51*	
		For Type 316 Stainless Steel Frame, Add	*2,835.95*	
		For Baked Enamel Finish, Add	*439.05*	
		For 18 Gauge Frame, Deduct	*-134.48*	
		For 14 Gauge Frame, Add	*336.20*	
		For 12 Gauge Frame, Add	*511.02*	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,602.53	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.72*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*161.38*	
		For Type 304 Stainless Steel Frame, Add	*2,433.53*	
		For Type 316 Stainless Steel Frame, Add	*2,836.97*	
		For Baked Enamel Finish, Add	*442.10*	
		For 18 Gauge Frame, Deduct	*-134.48*	
		For 14 Gauge Frame, Add	*336.20*	
		For 12 Gauge Frame, Add	*511.02*	
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,630.48	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.90*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*163.92*	
		For Type 304 Stainless Steel Frame, Add	*2,471.97*	
		For Type 316 Stainless Steel Frame, Add	*2,881.76*	
		For Baked Enamel Finish, Add	*449.47*	
		For 18 Gauge Frame, Deduct	*-136.60*	
		For 14 Gauge Frame, Add	*341.49*	
		For 12 Gauge Frame, Add	*519.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,658.45	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	*208.07*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*166.46*	
		For Type 304 Stainless Steel Frame, Add	*2,510.44*	
		For Type 316 Stainless Steel Frame, Add	*2,926.58*	
		For Baked Enamel Finish, Add	*456.84*	
		For 18 Gauge Frame, Deduct	*-138.72*	
		For 14 Gauge Frame, Add	*346.79*	
		For 12 Gauge Frame, Add	*527.12*	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,767.30	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	*222.37*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*177.89*	
		For Type 304 Stainless Steel Frame, Add	*2,682.65*	
		For Type 316 Stainless Steel Frame, Add	*3,127.39*	
		For Baked Enamel Finish, Add	*487.46*	
		For 18 Gauge Frame, Deduct	*-148.25*	
		For 14 Gauge Frame, Add	*370.61*	
		For 12 Gauge Frame, Add	*563.33*	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,780.87	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*222.37*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*177.89*	
		For Type 304 Stainless Steel Frame, Add	*2,683.33*	
		For Type 316 Stainless Steel Frame, Add	*3,128.07*	
		For Baked Enamel Finish, Add	*489.50*	
		For 18 Gauge Frame, Deduct	*-148.25*	
		For 14 Gauge Frame, Add	*370.61*	
		For 12 Gauge Frame, Add	*563.33*	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,847.39	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.31*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.25*	
		For Type 304 Stainless Steel Frame, Add	*2,779.32*	
		For Type 316 Stainless Steel Frame, Add	*3,239.94*	
		For Baked Enamel Finish, Add	*507.42*	
		For 18 Gauge Frame, Deduct	*-153.54*	
		For 14 Gauge Frame, Add	*383.85*	
		For 12 Gauge Frame, Add	*583.45*	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,913.90	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.25*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*190.60*	
		For Type 304 Stainless Steel Frame, Add	*2,875.29*	
		For Type 316 Stainless Steel Frame, Add	*3,351.79*	
		For Baked Enamel Finish, Add	*525.34*	
		For 18 Gauge Frame, Deduct	*-158.83*	
		For 14 Gauge Frame, Add	*397.09*	
		For 12 Gauge Frame, Add	*603.57*	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,927.46	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.25*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*190.60*	
		For Type 304 Stainless Steel Frame, Add	*2,875.97*	
		For Type 316 Stainless Steel Frame, Add	*3,352.47*	
		For Baked Enamel Finish, Add	*527.37*	
		For 18 Gauge Frame, Deduct	*-158.83*	
		For 14 Gauge Frame, Add	*397.09*	
		For 12 Gauge Frame, Add	*603.57*	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,960.71	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*242.22*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*193.78*	
		For Type 304 Stainless Steel Frame, Add	*2,923.95*	
		For Type 316 Stainless Steel Frame, Add	*3,408.40*	
		For Baked Enamel Finish, Add	*536.33*	
		For 18 Gauge Frame, Deduct	*-161.48*	
		For 14 Gauge Frame, Add	*403.70*	
		For 12 Gauge Frame, Add	*613.63*	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,993.97	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*246.19*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*196.95*	
		For Type 304 Stainless Steel Frame, Add	*2,971.96*	
		For Type 316 Stainless Steel Frame, Add	*3,464.34*	
		For Baked Enamel Finish, Add	*545.29*	
		For 18 Gauge Frame, Deduct	*-164.13*	
		For 14 Gauge Frame, Add	*410.32*	
		For 12 Gauge Frame, Add	*623.69*	
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,106.63	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	*262.07*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*209.66*	
		For Type 304 Stainless Steel Frame, Add	*3,162.86*	
		For Type 316 Stainless Steel Frame, Add	*3,687.01*	
		For Baked Enamel Finish, Add	*578.07*	
		For 18 Gauge Frame, Deduct	*-174.72*	
		For 14 Gauge Frame, Add	*436.79*	
		For 12 Gauge Frame, Add	*663.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,219.31	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*277.96*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*222.37*	
		For Type 304 Stainless Steel Frame, Add	*3,353.82*	
		For Type 316 Stainless Steel Frame, Add	*3,909.74*	
		For Baked Enamel Finish, Add	*610.86*	
		For 18 Gauge Frame, Deduct	*-185.31*	
		For 14 Gauge Frame, Add	*463.27*	
		For 12 Gauge Frame, Add	*704.16*	

08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,279.18	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	*161.36*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*129.09*	
		For Type 304 Stainless Steel Frame, Add	*1,946.45*	
		For Type 316 Stainless Steel Frame, Add	*2,269.16*	
		For Baked Enamel Finish, Add	*353.23*	
		For 18 Gauge Frame, Deduct	*-107.57*	
		For 14 Gauge Frame, Add	*268.93*	
		For 12 Gauge Frame, Add	*408.77*	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,504.42	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	*192.09*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*153.67*	
		For Type 304 Stainless Steel Frame, Add	*2,316.27*	
		For Type 316 Stainless Steel Frame, Add	*2,700.45*	
		For Baked Enamel Finish, Add	*417.75*	
		For 18 Gauge Frame, Deduct	*-128.06*	
		For 14 Gauge Frame, Add	*320.15*	
		For 12 Gauge Frame, Add	*486.63*	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,538.48	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*195.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*156.13*	
		For Type 304 Stainless Steel Frame, Add	*2,353.83*	
		For Type 316 Stainless Steel Frame, Add	*2,744.16*	
		For Baked Enamel Finish, Add	*425.94*	
		For 18 Gauge Frame, Deduct	*-130.11*	
		For 14 Gauge Frame, Add	*325.27*	
		For 12 Gauge Frame, Add	*494.41*	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,558.82	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*195.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*156.13*	
		For Type 304 Stainless Steel Frame, Add	*2,354.85*	
		For Type 316 Stainless Steel Frame, Add	*2,745.18*	
		For Baked Enamel Finish, Add	*428.99*	
		For 18 Gauge Frame, Deduct	*-130.11*	
		For 14 Gauge Frame, Add	*325.27*	
		For 12 Gauge Frame, Add	*494.41*	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,586.09	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*198.24*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*158.59*	
		For Type 304 Stainless Steel Frame, Add	*2,392.07*	
		For Type 316 Stainless Steel Frame, Add	*2,788.54*	
		For Baked Enamel Finish, Add	*436.15*	
		For 18 Gauge Frame, Deduct	*-132.16*	
		For 14 Gauge Frame, Add	*330.40*	
		For 12 Gauge Frame, Add	*502.20*	
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,613.37	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.31*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*161.05*	
		For Type 304 Stainless Steel Frame, Add	*2,429.29*	
		For Type 316 Stainless Steel Frame, Add	*2,831.91*	
		For Baked Enamel Finish, Add	*443.32*	
		For 18 Gauge Frame, Deduct	*-134.21*	
		For 14 Gauge Frame, Add	*335.52*	
		For 12 Gauge Frame, Add	*509.99*	
08 12 13 13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,719.12	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	*215.14*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*172.11*	
		For Type 304 Stainless Steel Frame, Add	*2,595.93*	
		For Type 316 Stainless Steel Frame, Add	*3,026.21*	
		For Baked Enamel Finish, Add	*473.01*	
		For 18 Gauge Frame, Deduct	*-143.43*	
		For 14 Gauge Frame, Add	*358.57*	
		For 12 Gauge Frame, Add	*545.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,732.69	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*215.14*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*172.11*	
		For Type 304 Stainless Steel Frame, Add	*2,596.61*	
		For Type 316 Stainless Steel Frame, Add	*3,026.89*	
		For Baked Enamel Finish, Add	*475.04*	
		For 18 Gauge Frame, Deduct	*-143.43*	
		For 14 Gauge Frame, Add	*358.57*	
		For 12 Gauge Frame, Add	*545.02*	
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,797.49	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	*222.83*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*178.26*	
		For Type 304 Stainless Steel Frame, Add	*2,689.50*	
		For Type 316 Stainless Steel Frame, Add	*3,135.15*	
		For Baked Enamel Finish, Add	*492.45*	
		For 18 Gauge Frame, Deduct	*-148.55*	
		For 14 Gauge Frame, Add	*371.38*	
		For 12 Gauge Frame, Add	*564.49*	
08 12 13 13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,862.28	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.41*	
		For Type 304 Stainless Steel Frame, Add	*2,782.37*	
		For Type 316 Stainless Steel Frame, Add	*3,243.39*	
		For Baked Enamel Finish, Add	*509.85*	
		For 18 Gauge Frame, Deduct	*-153.67*	
		For 14 Gauge Frame, Add	*384.18*	
		For 12 Gauge Frame, Add	*583.95*	
08 12 13 13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,875.84	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.41*	
		For Type 304 Stainless Steel Frame, Add	*2,783.05*	
		For Type 316 Stainless Steel Frame, Add	*3,244.07*	
		For Baked Enamel Finish, Add	*511.88*	
		For 18 Gauge Frame, Deduct	*-153.67*	
		For 14 Gauge Frame, Add	*384.18*	
		For 12 Gauge Frame, Add	*583.95*	
08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,908.23	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*234.35*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*187.48*	
		For Type 304 Stainless Steel Frame, Add	*2,829.49*	
		For Type 316 Stainless Steel Frame, Add	*3,298.19*	
		For Baked Enamel Finish, Add	*520.58*	
		For 18 Gauge Frame, Deduct	*-156.23*	
		For 14 Gauge Frame, Add	*390.58*	
		For 12 Gauge Frame, Add	*593.69*	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,940.62	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.19*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*190.55*	
		For Type 304 Stainless Steel Frame, Add	*2,875.93*	
		For Type 316 Stainless Steel Frame, Add	*3,352.31*	
		For Baked Enamel Finish, Add	*529.28*	
		For 18 Gauge Frame, Deduct	*-158.79*	
		For 14 Gauge Frame, Add	*396.99*	
		For 12 Gauge Frame, Add	*603.42*	
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,049.85	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.56*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*202.85*	
		For Type 304 Stainless Steel Frame, Add	*3,060.66*	
		For Type 316 Stainless Steel Frame, Add	*3,567.77*	
		For Baked Enamel Finish, Add	*561.03*	
		For 18 Gauge Frame, Deduct	*-169.04*	
		For 14 Gauge Frame, Add	*422.60*	
		For 12 Gauge Frame, Add	*642.34*	
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,159.09	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*268.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*215.14*	
		For Type 304 Stainless Steel Frame, Add	*3,245.42*	
		For Type 316 Stainless Steel Frame, Add	*3,783.28*	
		For Baked Enamel Finish, Add	*592.79*	
		For 18 Gauge Frame, Deduct	*-179.28*	
		For 14 Gauge Frame, Add	*448.21*	
		For 12 Gauge Frame, Add	*681.28*	

08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,398.70	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	*179.28*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*143.43*	
		For Type 304 Stainless Steel Frame, Add	*2,161.59*	
		For Type 316 Stainless Steel Frame, Add	*2,520.16*	
		For Baked Enamel Finish, Add	*389.09*	
		For 18 Gauge Frame, Deduct	*-119.52*	
		For 14 Gauge Frame, Add	*298.81*	
		For 12 Gauge Frame, Add	*454.19*	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,646.71	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	*213.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*170.75*	
		For Type 304 Stainless Steel Frame, Add	*2,572.39*	
		For Type 316 Stainless Steel Frame, Add	*2,999.26*	
		For Baked Enamel Finish, Add	*460.44*	
		For 18 Gauge Frame, Deduct	*-142.29*	
		For 14 Gauge Frame, Add	*355.72*	
		For 12 Gauge Frame, Add	*540.70*	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,683.04	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*216.85*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*173.48*	
		For Type 304 Stainless Steel Frame, Add	*2,614.04*	
		For Type 316 Stainless Steel Frame, Add	*3,047.73*	
		For Baked Enamel Finish, Add	*469.30*	
		For 18 Gauge Frame, Deduct	*-144.57*	
		For 14 Gauge Frame, Add	*361.41*	
		For 12 Gauge Frame, Add	*549.35*	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,703.38	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*216.85*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*173.48*	
		For Type 304 Stainless Steel Frame, Add	*2,615.06*	
		For Type 316 Stainless Steel Frame, Add	*3,048.75*	
		For Baked Enamel Finish, Add	*472.35*	
		For 18 Gauge Frame, Deduct	*-144.57*	
		For 14 Gauge Frame, Add	*361.41*	
		For 12 Gauge Frame, Add	*549.35*	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,732.93	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*220.26*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*176.21*	
		For Type 304 Stainless Steel Frame, Add	*2,656.38*	
		For Type 316 Stainless Steel Frame, Add	*3,096.91*	
		For Baked Enamel Finish, Add	*480.20*	
		For 18 Gauge Frame, Deduct	*-146.84*	
		For 14 Gauge Frame, Add	*367.11*	
		For 12 Gauge Frame, Add	*558.00*	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,762.49	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	*223.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*178.94*	
		For Type 304 Stainless Steel Frame, Add	*2,697.71*	
		For Type 316 Stainless Steel Frame, Add	*3,145.06*	
		For Baked Enamel Finish, Add	*488.05*	
		For 18 Gauge Frame, Deduct	*-149.12*	
		For 14 Gauge Frame, Add	*372.80*	
		For 12 Gauge Frame, Add	*566.65*	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,878.49	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.05*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*191.24*	
		For Type 304 Stainless Steel Frame, Add	*2,882.79*	
		For Type 316 Stainless Steel Frame, Add	*3,360.89*	
		For Baked Enamel Finish, Add	*520.82*	
		For 18 Gauge Frame, Deduct	*-159.36*	
		For 14 Gauge Frame, Add	*398.41*	
		For 12 Gauge Frame, Add	*605.58*	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,892.06	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.05*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*191.24*	
		For Type 304 Stainless Steel Frame, Add	*2,883.47*	
		For Type 316 Stainless Steel Frame, Add	*3,361.57*	
		For Baked Enamel Finish, Add	*522.86*	
		For 18 Gauge Frame, Deduct	*-159.36*	
		For 14 Gauge Frame, Add	*398.41*	
		For 12 Gauge Frame, Add	*605.58*	
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,962.54	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	*247.58*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*198.07*	
		For Type 304 Stainless Steel Frame, Add	*2,986.59*	
		For Type 316 Stainless Steel Frame, Add	*3,481.75*	
		For Baked Enamel Finish, Add	*541.96*	
		For 18 Gauge Frame, Deduct	*-165.06*	
		For 14 Gauge Frame, Add	*412.64*	
		For 12 Gauge Frame, Add	*627.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,033.03	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.12*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*204.90*	
		For Type 304 Stainless Steel Frame, Add	*3,089.72*	
		For Type 316 Stainless Steel Frame, Add	*3,601.97*	
		For Baked Enamel Finish, Add	*561.08*	
		For 18 Gauge Frame, Deduct	*-170.75*	
		For 14 Gauge Frame, Add	*426.87*	
		For 12 Gauge Frame, Add	*648.84*	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,046.59	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.12*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*204.90*	
		For Type 304 Stainless Steel Frame, Add	*3,090.40*	
		For Type 316 Stainless Steel Frame, Add	*3,602.64*	
		For Baked Enamel Finish, Add	*563.11*	
		For 18 Gauge Frame, Deduct	*-170.75*	
		For 14 Gauge Frame, Add	*426.87*	
		For 12 Gauge Frame, Add	*648.84*	
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,081.82	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*260.39*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*208.31*	
		For Type 304 Stainless Steel Frame, Add	*3,141.95*	
		For Type 316 Stainless Steel Frame, Add	*3,662.73*	
		For Baked Enamel Finish, Add	*572.66*	
		For 18 Gauge Frame, Deduct	*-173.59*	
		For 14 Gauge Frame, Add	*433.98*	
		For 12 Gauge Frame, Add	*659.65*	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,117.06	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*264.66*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*211.73*	
		For Type 304 Stainless Steel Frame, Add	*3,193.52*	
		For Type 316 Stainless Steel Frame, Add	*3,722.83*	
		For Baked Enamel Finish, Add	*582.22*	
		For 18 Gauge Frame, Deduct	*-176.44*	
		For 14 Gauge Frame, Add	*441.10*	
		For 12 Gauge Frame, Add	*670.46*	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,237.66	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	*281.73*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*225.38*	
		For Type 304 Stainless Steel Frame, Add	*3,398.72*	
		For Type 316 Stainless Steel Frame, Add	*3,962.17*	
		For Baked Enamel Finish, Add	*617.38*	
		For 18 Gauge Frame, Deduct	*-187.82*	
		For 14 Gauge Frame, Add	*469.55*	
		For 12 Gauge Frame, Add	*713.71*	
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,358.29	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*298.81*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*239.04*	
		For Type 304 Stainless Steel Frame, Add	*3,603.98*	
		For Type 316 Stainless Steel Frame, Add	*4,201.60*	
		For Baked Enamel Finish, Add	*652.55*	
		For 18 Gauge Frame, Deduct	*-199.20*	
		For 14 Gauge Frame, Add	*498.01*	
		For 12 Gauge Frame, Add	*756.98*	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,329.21	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	*168.86*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*135.09*	
		For Type 304 Stainless Steel Frame, Add	*2,036.51*	
		For Type 316 Stainless Steel Frame, Add	*2,374.23*	
		For Baked Enamel Finish, Add	*368.24*	
		For 18 Gauge Frame, Deduct	*-112.57*	
		For 14 Gauge Frame, Add	*281.44*	
		For 12 Gauge Frame, Add	*427.78*	
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,563.98	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.02*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*160.82*	
		For Type 304 Stainless Steel Frame, Add	*2,423.48*	
		For Type 316 Stainless Steel Frame, Add	*2,825.53*	
		For Baked Enamel Finish, Add	*435.62*	
		For 18 Gauge Frame, Deduct	*-134.02*	
		For 14 Gauge Frame, Add	*335.04*	
		For 12 Gauge Frame, Add	*509.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,599.00	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.24*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*163.39*	
		For Type 304 Stainless Steel Frame, Add	*2,462.77*	
		For Type 316 Stainless Steel Frame, Add	*2,871.25*	
		For Baked Enamel Finish, Add	*444.09*	
		For 18 Gauge Frame, Deduct	*-136.16*	
		For 14 Gauge Frame, Add	*340.40*	
		For 12 Gauge Frame, Add	*517.41*	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,619.34	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.24*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*163.39*	
		For Type 304 Stainless Steel Frame, Add	*2,463.78*	
		For Type 316 Stainless Steel Frame, Add	*2,872.27*	
		For Baked Enamel Finish, Add	*447.14*	
		For 18 Gauge Frame, Deduct	*-136.16*	
		For 14 Gauge Frame, Add	*340.40*	
		For 12 Gauge Frame, Add	*517.41*	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,647.56	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*165.97*	
		For Type 304 Stainless Steel Frame, Add	*2,502.72*	
		For Type 316 Stainless Steel Frame, Add	*2,917.63*	
		For Baked Enamel Finish, Add	*454.59*	
		For 18 Gauge Frame, Deduct	*-138.31*	
		For 14 Gauge Frame, Add	*345.76*	
		For 12 Gauge Frame, Add	*525.56*	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,675.79	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	*210.67*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*168.54*	
		For Type 304 Stainless Steel Frame, Add	*2,541.65*	
		For Type 316 Stainless Steel Frame, Add	*2,962.99*	
		For Baked Enamel Finish, Add	*462.04*	
		For 18 Gauge Frame, Deduct	*-140.45*	
		For 14 Gauge Frame, Add	*351.12*	
		For 12 Gauge Frame, Add	*533.71*	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,785.83	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	*225.15*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*180.12*	
		For Type 304 Stainless Steel Frame, Add	*2,716.01*	
		For Type 316 Stainless Steel Frame, Add	*3,166.30*	
		For Baked Enamel Finish, Add	*493.02*	
		For 18 Gauge Frame, Deduct	*-150.10*	
		For 14 Gauge Frame, Add	*375.25*	
		For 12 Gauge Frame, Add	*570.37*	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,799.40	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*225.15*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*180.12*	
		For Type 304 Stainless Steel Frame, Add	*2,716.69*	
		For Type 316 Stainless Steel Frame, Add	*3,166.98*	
		For Baked Enamel Finish, Add	*495.06*	
		For 18 Gauge Frame, Deduct	*-150.10*	
		For 14 Gauge Frame, Add	*375.25*	
		For 12 Gauge Frame, Add	*570.37*	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,866.58	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	*233.19*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*186.55*	
		For Type 304 Stainless Steel Frame, Add	*2,813.86*	
		For Type 316 Stainless Steel Frame, Add	*3,280.24*	
		For Baked Enamel Finish, Add	*513.18*	
		For 18 Gauge Frame, Deduct	*-155.46*	
		For 14 Gauge Frame, Add	*388.65*	
		For 12 Gauge Frame, Add	*590.74*	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,933.76	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.23*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*192.98*	
		For Type 304 Stainless Steel Frame, Add	*2,911.04*	
		For Type 316 Stainless Steel Frame, Add	*3,393.50*	
		For Baked Enamel Finish, Add	*531.29*	
		For 18 Gauge Frame, Deduct	*-160.82*	
		For 14 Gauge Frame, Add	*402.05*	
		For 12 Gauge Frame, Add	*611.12*	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,947.32	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.23*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*192.98*	
		For Type 304 Stainless Steel Frame, Add	*2,911.72*	
		For Type 316 Stainless Steel Frame, Add	*3,394.18*	
		For Baked Enamel Finish, Add	*533.33*	
		For 18 Gauge Frame, Deduct	*-160.82*	
		For 14 Gauge Frame, Add	*402.05*	
		For 12 Gauge Frame, Add	*611.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,980.90	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.25*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*196.20*	
		For Type 304 Stainless Steel Frame, Add	*2,960.30*	
		For Type 316 Stainless Steel Frame, Add	*3,450.80*	
		For Baked Enamel Finish, Add	*542.39*	
		For 18 Gauge Frame, Deduct	*-163.50*	
		For 14 Gauge Frame, Add	*408.75*	
		For 12 Gauge Frame, Add	*621.30*	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,014.48	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*249.27*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*199.42*	
		For Type 304 Stainless Steel Frame, Add	*3,008.87*	
		For Type 316 Stainless Steel Frame, Add	*3,507.41*	
		For Baked Enamel Finish, Add	*551.44*	
		For 18 Gauge Frame, Deduct	*-166.18*	
		For 14 Gauge Frame, Add	*415.45*	
		For 12 Gauge Frame, Add	*631.48*	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,128.47	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	*265.35*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*212.28*	
		For Type 304 Stainless Steel Frame, Add	*3,202.17*	
		For Type 316 Stainless Steel Frame, Add	*3,732.87*	
		For Baked Enamel Finish, Add	*584.62*	
		For 18 Gauge Frame, Deduct	*-176.90*	
		For 14 Gauge Frame, Add	*442.25*	
		For 12 Gauge Frame, Add	*672.22*	
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,242.48	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*281.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*225.15*	
		For Type 304 Stainless Steel Frame, Add	*3,395.53*	
		For Type 316 Stainless Steel Frame, Add	*3,958.40*	
		For Baked Enamel Finish, Add	*617.81*	
		For 18 Gauge Frame, Deduct	*-187.62*	
		For 14 Gauge Frame, Add	*469.06*	
		For 12 Gauge Frame, Add	*712.97*	
08 12 13 13-0150		>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*		
08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,454.29	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	*187.62*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*150.10*	
		For Type 304 Stainless Steel Frame, Add	*2,261.65*	
		For Type 316 Stainless Steel Frame, Add	*2,636.90*	
		For Baked Enamel Finish, Add	*405.77*	
		For 18 Gauge Frame, Deduct	*-125.08*	
		For 14 Gauge Frame, Add	*312.71*	
		For 12 Gauge Frame, Add	*475.31*	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,712.89	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	*223.36*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*178.69*	
		For Type 304 Stainless Steel Frame, Add	*2,691.52*	
		For Type 316 Stainless Steel Frame, Add	*3,138.24*	
		For Baked Enamel Finish, Add	*480.29*	
		For 18 Gauge Frame, Deduct	*-148.91*	
		For 14 Gauge Frame, Add	*372.27*	
		For 12 Gauge Frame, Add	*565.85*	
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,750.28	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*226.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*181.55*	
		For Type 304 Stainless Steel Frame, Add	*2,735.07*	
		For Type 316 Stainless Steel Frame, Add	*3,188.94*	
		For Baked Enamel Finish, Add	*489.48*	
		For 18 Gauge Frame, Deduct	*-151.29*	
		For 14 Gauge Frame, Add	*378.22*	
		For 12 Gauge Frame, Add	*574.90*	
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,770.62	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	*226.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*181.55*	
		For Type 304 Stainless Steel Frame, Add	*2,736.09*	
		For Type 316 Stainless Steel Frame, Add	*3,189.96*	
		For Baked Enamel Finish, Add	*492.53*	
		For 18 Gauge Frame, Deduct	*-151.29*	
		For 14 Gauge Frame, Add	*378.22*	
		For 12 Gauge Frame, Add	*574.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,801.23	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.41*	
		For Type 304 Stainless Steel Frame, Add	*2,779.32*	
		For Type 316 Stainless Steel Frame, Add	*3,240.34*	
		For Baked Enamel Finish, Add	*500.69*	
		For 18 Gauge Frame, Deduct	*-153.67*	
		For 14 Gauge Frame, Add	*384.18*	
		For 12 Gauge Frame, Add	*583.95*	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,831.85	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	*234.08*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*187.27*	
		For Type 304 Stainless Steel Frame, Add	*2,822.56*	
		For Type 316 Stainless Steel Frame, Add	*3,290.72*	
		For Baked Enamel Finish, Add	*508.86*	
		For 18 Gauge Frame, Deduct	*-156.06*	
		For 14 Gauge Frame, Add	*390.14*	
		For 12 Gauge Frame, Add	*593.01*	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,952.61	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	*250.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*200.13*	
		For Type 304 Stainless Steel Frame, Add	*3,016.21*	
		For Type 316 Stainless Steel Frame, Add	*3,516.54*	
		For Baked Enamel Finish, Add	*543.06*	
		For 18 Gauge Frame, Deduct	*-166.78*	
		For 14 Gauge Frame, Add	*416.94*	
		For 12 Gauge Frame, Add	*633.75*	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,966.18	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	*250.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*200.13*	
		For Type 304 Stainless Steel Frame, Add	*3,016.89*	
		For Type 316 Stainless Steel Frame, Add	*3,517.22*	
		For Baked Enamel Finish, Add	*545.09*	
		For 18 Gauge Frame, Deduct	*-166.78*	
		For 14 Gauge Frame, Add	*416.94*	
		For 12 Gauge Frame, Add	*633.75*	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,039.31	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	*259.10*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*207.28*	
		For Type 304 Stainless Steel Frame, Add	*3,124.78*	
		For Type 316 Stainless Steel Frame, Add	*3,642.97*	
		For Baked Enamel Finish, Add	*564.99*	
		For 18 Gauge Frame, Deduct	*-172.73*	
		For 14 Gauge Frame, Add	*431.83*	
		For 12 Gauge Frame, Add	*656.38*	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,112.44	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*268.03*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*214.43*	
		For Type 304 Stainless Steel Frame, Add	*3,232.66*	
		For Type 316 Stainless Steel Frame, Add	*3,768.73*	
		For Baked Enamel Finish, Add	*584.90*	
		For 18 Gauge Frame, Deduct	*-178.69*	
		For 14 Gauge Frame, Add	*446.72*	
		For 12 Gauge Frame, Add	*679.01*	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,126.00	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	*268.03*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*214.43*	
		For Type 304 Stainless Steel Frame, Add	*3,233.34*	
		For Type 316 Stainless Steel Frame, Add	*3,769.40*	
		For Baked Enamel Finish, Add	*586.93*	
		For 18 Gauge Frame, Deduct	*-178.69*	
		For 14 Gauge Frame, Add	*446.72*	
		For 12 Gauge Frame, Add	*679.01*	
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,162.57	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	*272.50*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*218.00*	
		For Type 304 Stainless Steel Frame, Add	*3,287.30*	
		For Type 316 Stainless Steel Frame, Add	*3,832.30*	
		For Baked Enamel Finish, Add	*596.89*	
		For 18 Gauge Frame, Deduct	*-181.67*	
		For 14 Gauge Frame, Add	*454.17*	
		For 12 Gauge Frame, Add	*690.33*	
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,199.13	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*276.97*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*221.57*	
		For Type 304 Stainless Steel Frame, Add	*3,341.24*	
		For Type 316 Stainless Steel Frame, Add	*3,895.18*	
		For Baked Enamel Finish, Add	*606.84*	
		For 18 Gauge Frame, Deduct	*-184.65*	
		For 14 Gauge Frame, Add	*461.61*	
		For 12 Gauge Frame, Add	*701.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,325.02	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	*294.83*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*235.87*	
		For Type 304 Stainless Steel Frame, Add	*3,555.96*	
		For Type 316 Stainless Steel Frame, Add	*4,145.63*	
		For Baked Enamel Finish, Add	*643.59*	
		For 18 Gauge Frame, Deduct	*-196.56*	
		For 14 Gauge Frame, Add	*491.39*	
		For 12 Gauge Frame, Add	*746.91*	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,450.95	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*312.71*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*250.16*	
		For Type 304 Stainless Steel Frame, Add	*3,770.77*	
		For Type 316 Stainless Steel Frame, Add	*4,396.18*	
		For Baked Enamel Finish, Add	*680.35*	
		For 18 Gauge Frame, Deduct	*-208.47*	
		For 14 Gauge Frame, Add	*521.18*	
		For 12 Gauge Frame, Add	*792.19*	

08 12 13 13-0166 Sidelights And Transoms *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0167 Fixed Steel Transoms *(08 12 13 13-0166)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	139.23	18.99
		For Movable Frame, Add	*27.85*	
		For 18 Gauge Frame, Deduct	*-10.12*	
		For 14 Gauge Frame, Add	*25.31*	
		For 12 Gauge Frame, Add	*38.47*	
08 12 13 13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	145.55	19.67
		For Movable Frame, Add	*29.11*	
		For 18 Gauge Frame, Deduct	*-10.62*	
		For 14 Gauge Frame, Add	*26.56*	
		For 12 Gauge Frame, Add	*40.36*	
08 12 13 13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	152.26	20.35
		For Movable Frame, Add	*30.45*	
		For 18 Gauge Frame, Deduct	*-11.16*	
		For 14 Gauge Frame, Add	*27.89*	
		For 12 Gauge Frame, Add	*42.40*	

08 12 13 13-0171 Operable Steel Transom Sash *(08 12 13 13-0166)*

Note: Includes hardware.

08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	207.62	18.99
		For 18 Gauge Frame, Deduct	*-16.96*	
		For 14 Gauge Frame, Add	*42.41*	
		For 12 Gauge Frame, Add	*64.46*	
08 12 13 13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	217.46	19.67
		For 18 Gauge Frame, Deduct	*-17.81*	
		For 14 Gauge Frame, Add	*44.53*	
		For 12 Gauge Frame, Add	*67.69*	
08 12 13 13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	227.71	20.35
		For 18 Gauge Frame, Deduct	*-18.70*	
		For 14 Gauge Frame, Add	*46.76*	
		For 12 Gauge Frame, Add	*71.07*	

08 12 13 13-0175 Sidelights, Steel Frame *(08 12 13 13-0166)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	146.77	18.99
		For 18 Gauge Frame, Deduct	*-10.88*	
		For 14 Gauge Frame, Add	*27.20*	
		For 12 Gauge Frame, Add	*41.34*	
08 12 13 13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	153.57	19.67
		For 18 Gauge Frame, Deduct	*-11.42*	
		For 14 Gauge Frame, Add	*28.56*	
		For 12 Gauge Frame, Add	*43.41*	
08 12 13 13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	160.61	20.35
		For 18 Gauge Frame, Deduct	*-11.99*	
		For 14 Gauge Frame, Add	*29.98*	
		For 12 Gauge Frame, Add	*45.57*	

08 12 13 13-0179 Sundry Hollow Metal Frame Sections *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions *(08 12 13 13-0179)*

08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.37	7.59
		For 18 Gauge Frame, Deduct	*-1.93*	
		For 14 Gauge Frame, Add	*4.82*	
		For 12 Gauge Frame, Add	*7.32*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.15	7.59
		For 18 Gauge Frame, Deduct	*-2.00*	
		For 14 Gauge Frame, Add	*5.01*	
		For 12 Gauge Frame, Add	*7.62*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.92	7.86
		For 18 Gauge Frame, Deduct	*-1.93*	
		For 14 Gauge Frame, Add	*4.82*	
		For 12 Gauge Frame, Add	*7.32*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.12	7.86
		For 18 Gauge Frame, Deduct	*-2.05*	
		For 14 Gauge Frame, Add	*5.12*	
		For 12 Gauge Frame, Add	*7.77*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.31	8.01
		For 18 Gauge Frame, Deduct	*-2.02*	
		For 14 Gauge Frame, Add	*5.06*	
		For 12 Gauge Frame, Add	*7.68*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.77	8.01
		For 18 Gauge Frame, Deduct	*-2.07*	
		For 14 Gauge Frame, Add	*5.17*	
		For 12 Gauge Frame, Add	*7.86*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0187		**16 Gauge, Hollow Metal Frame Horizontal Rails** *(08 12 13 13-0179)*		
08 12 13 13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	28.74	7.59
		For 18 Gauge Frame, Deduct	*-0.96*	
		For 14 Gauge Frame, Add	*2.41*	
		For 12 Gauge Frame, Add	*3.66*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.72	7.59
		For 18 Gauge Frame, Deduct	*-1.06*	
		For 14 Gauge Frame, Add	*2.65*	
		For 12 Gauge Frame, Add	*4.03*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.29	7.86
		For 18 Gauge Frame, Deduct	*-0.96*	
		For 14 Gauge Frame, Add	*2.41*	
		For 12 Gauge Frame, Add	*3.66*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.27	7.86
		For 18 Gauge Frame, Deduct	*-1.06*	
		For 14 Gauge Frame, Add	*2.65*	
		For 12 Gauge Frame, Add	*4.03*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.20	8.01
		For 18 Gauge Frame, Deduct	*-1.01*	
		For 14 Gauge Frame, Add	*2.53*	
		For 12 Gauge Frame, Add	*3.84*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	31.05	8.01
		For 18 Gauge Frame, Deduct	*-1.10*	
		For 14 Gauge Frame, Add	*2.74*	
		For 12 Gauge Frame, Add	*4.16*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0194		**16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions** *(08 12 13 13-0179)*		
08 12 13 13-0195	EA	4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	897.10	53.17
		For 18 Gauge Frame, Deduct	*-76.42*	
		For 14 Gauge Frame, Add	*191.04*	
		For 12 Gauge Frame, Add	*290.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0196	EA	4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	927.58	53.17
		For 18 Gauge Frame, Deduct	*-79.47*	
		For 14 Gauge Frame, Add	*198.66*	
		For 12 Gauge Frame, Add	*301.97*	
08 12 13 13-0197	EA	5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,024.19	55.62
		For 18 Gauge Frame, Deduct	*-88.72*	
		For 14 Gauge Frame, Add	*221.80*	
		For 12 Gauge Frame, Add	*337.13*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0198	EA	5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,051.40	55.62
		For 18 Gauge Frame, Deduct	*-91.44*	
		For 14 Gauge Frame, Add	*228.60*	
		For 12 Gauge Frame, Add	*347.47*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0199	EA	6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,185.27	56.97
		For 18 Gauge Frame, Deduct	*-104.28*	
		For 14 Gauge Frame, Add	*260.71*	
		For 12 Gauge Frame, Add	*396.28*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0200	EA	6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,203.78	56.97
		For 18 Gauge Frame, Deduct	*-106.14*	
		For 14 Gauge Frame, Add	*265.34*	
		For 12 Gauge Frame, Add	*403.31*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	

08 12 13 13-0201 Metal Frames Accessories *(08 12 13 13)*

08 12 13 13-0202	EA	For 1' Extension Of New Door Frame	34.56	

08 12 16 Aluminum Frames *(08 12)*

08 12 16 00-0001 Aluminum Door Frames *(08 12 16)*

08 12 16 00-0002 4-7/8" Deep, Aluminum Door Frames *(08 12 16 00-0001)*

08 12 16 00-0003	EA	2'-10" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	718.80	132.26
08 12 16 00-0004	EA	3' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	732.63	135.65
08 12 16 00-0005	EA	3'-4" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	777.87	142.43
08 12 16 00-0006	EA	3'-6" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	791.44	149.22
08 12 16 00-0007	EA	4' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	822.62	155.99
08 12 16 00-0008	EA	6' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	772.56	176.34
08 12 16 00-0009	EA	7' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	806.44	179.73
08 12 16 00-0010	EA	8' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	1,314.37	183.13

08 12 16 00-0011 5-1/4" Deep, Aluminum Door Frames *(08 12 16 00-0001)*

08 12 16 00-0012	EA	2'-10" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	769.27	132.26
08 12 16 00-0013	EA	3' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	783.89	135.65
08 12 16 00-0014	EA	3'-4" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	832.65	142.43
08 12 16 00-0015	EA	3'-6" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	846.22	149.22
08 12 16 00-0016	EA	4' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	879.36	155.99
08 12 16 00-0017	EA	6' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	959.18	176.34
08 12 16 00-0018	EA	7' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,005.10	179.73
08 12 16 00-0019	EA	8' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,051.01	183.13

08 13 Metal Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors *(08 13)*

08 13 13 13 Standard Hollow Metal Doors *(08 13 13)*

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy-Duty; 16 Gauge, Level 3 Extra Heavy-Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	593.14	74.60
		For Galvanized Steel Door, Add	*88.78*	
		For Type 304 Stainless Steel Door, Add	*355.14*	
		For Type 316 Stainless Steel Door, Add	*577.10*	
		For Embossed Panel Door, Add	*106.54*	
		For Baked Enamel Finish, Add	*155.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.39*	
		For >100, Deduct	*-48.22*	
		For Polystyrene Core, Add	*44.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*110.98*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.49*	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	593.14	74.60
		For Galvanized Steel Door, Add	*88.78*	
		For Type 304 Stainless Steel Door, Add	*355.14*	
		For Type 316 Stainless Steel Door, Add	*577.10*	
		For Embossed Panel Door, Add	*106.54*	
		For Baked Enamel Finish, Add	*155.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.39*	
		For >100, Deduct	*-48.22*	
		For Polystyrene Core, Add	*44.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*110.98*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.49*	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	608.99	78.00
		For Galvanized Steel Door, Add	*90.60*	
		For Type 304 Stainless Steel Door, Add	*362.40*	
		For Type 316 Stainless Steel Door, Add	*588.90*	
		For Embossed Panel Door, Add	*108.72*	
		For Baked Enamel Finish, Add	*159.30*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.35*	
		For >100, Deduct	*-49.57*	
		For Polystyrene Core, Add	*45.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*113.25*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*56.63*	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	615.75	78.00
		For Galvanized Steel Door, Add	*91.95*	
		For Type 304 Stainless Steel Door, Add	*367.81*	
		For Type 316 Stainless Steel Door, Add	*597.69*	
		For Embossed Panel Door, Add	*110.34*	
		For Baked Enamel Finish, Add	*161.33*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.69*	
		For >100, Deduct	*-50.08*	
		For Polystyrene Core, Add	*45.98*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.94*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.47*	
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	621.85	79.69
		For Galvanized Steel Door, Add	*92.49*	
		For Type 304 Stainless Steel Door, Add	*369.98*	
		For Type 316 Stainless Steel Door, Add	*601.21*	
		For Embossed Panel Door, Add	*110.99*	
		For Baked Enamel Finish, Add	*162.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.08*	
		For >100, Deduct	*-50.62*	
		For Polystyrene Core, Add	*46.25*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.62*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	627.94	81.39
		For Galvanized Steel Door, Add	*93.03*	
		For Type 304 Stainless Steel Door, Add	*372.14*	
		For Type 316 Stainless Steel Door, Add	*604.72*	
		For Embossed Panel Door, Add	*111.64*	
		For Baked Enamel Finish, Add	*163.97*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.47*	
		For >100, Deduct	*-51.16*	
		For Polystyrene Core, Add	*46.52*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.29*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.15*	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	663.10	81.39
		For Galvanized Steel Door, Add	*100.07*	
		For Type 304 Stainless Steel Door, Add	*400.26*	
		For Type 316 Stainless Steel Door, Add	*650.43*	
		For Embossed Panel Door, Add	*120.08*	
		For Baked Enamel Finish, Add	*174.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.22*	
		For >100, Deduct	*-53.80*	
		For Polystyrene Core, Add	*50.03*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.54*	
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	683.42	84.78
		For Galvanized Steel Door, Add	*102.77*	
		For Type 304 Stainless Steel Door, Add	*411.09*	
		For Type 316 Stainless Steel Door, Add	*668.02*	
		For Embossed Panel Door, Add	*123.33*	
		For Baked Enamel Finish, Add	*179.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.41*	
		For >100, Deduct	*-55.50*	
		For Polystyrene Core, Add	*51.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*128.47*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.23*	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	751.07	91.56
		For Galvanized Steel Door, Add	*113.59*	
		For Type 304 Stainless Steel Door, Add	*454.35*	
		For Type 316 Stainless Steel Door, Add	*738.32*	
		For Embossed Panel Door, Add	*136.31*	
		For Baked Enamel Finish, Add	*197.85*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.13*	
		For >100, Deduct	*-60.91*	
		For Polystyrene Core, Add	*56.79*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*141.99*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*70.99*	

08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	604.78	74.60
		For Galvanized Steel Door, Add	*91.11*	
		For Type 304 Stainless Steel Door, Add	*364.45*	
		For Type 316 Stainless Steel Door, Add	*592.23*	
		For Embossed Panel Door, Add	*109.33*	
		For Baked Enamel Finish, Add	*159.05*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.97*	
		For >100, Deduct	*-49.09*	
		For Polystyrene Core, Add	*45.56*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*113.89*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*56.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	604.78	74.60
		For Galvanized Steel Door, Add	*91.11*	
		For Type 304 Stainless Steel Door, Add	*364.45*	
		For Type 316 Stainless Steel Door, Add	*592.23*	
		For Embossed Panel Door, Add	*109.33*	
		For Baked Enamel Finish, Add	*159.05*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.97*	
		For >100, Deduct	*-49.09*	
		For Polystyrene Core, Add	*45.56*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*113.89*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*56.95*	
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	620.86	78.00
		For Galvanized Steel Door, Add	*92.97*	
		For Type 304 Stainless Steel Door, Add	*371.90*	
		For Type 316 Stainless Steel Door, Add	*604.33*	
		For Embossed Panel Door, Add	*111.57*	
		For Baked Enamel Finish, Add	*162.86*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.94*	
		For >100, Deduct	*-50.46*	
		For Polystyrene Core, Add	*46.49*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.22*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.11*	
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	627.80	78.00
		For Galvanized Steel Door, Add	*94.36*	
		For Type 304 Stainless Steel Door, Add	*377.45*	
		For Type 316 Stainless Steel Door, Add	*613.35*	
		For Embossed Panel Door, Add	*113.23*	
		For Baked Enamel Finish, Add	*164.94*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.29*	
		For >100, Deduct	*-50.98*	
		For Polystyrene Core, Add	*47.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.95*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.98*	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	633.97	79.69
		For Galvanized Steel Door, Add	*94.92*	
		For Type 304 Stainless Steel Door, Add	*379.67*	
		For Type 316 Stainless Steel Door, Add	*616.97*	
		For Embossed Panel Door, Add	*113.90*	
		For Baked Enamel Finish, Add	*166.28*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.68*	
		For >100, Deduct	*-51.53*	
		For Polystyrene Core, Add	*47.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.65*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.32*	
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	640.13	81.39
		For Galvanized Steel Door, Add	*95.47*	
		For Type 304 Stainless Steel Door, Add	*381.89*	
		For Type 316 Stainless Steel Door, Add	*620.57*	
		For Embossed Panel Door, Add	*114.57*	
		For Baked Enamel Finish, Add	*167.62*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.08*	
		For >100, Deduct	*-52.08*	
		For Polystyrene Core, Add	*47.74*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.34*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	676.21	81.39
		For Galvanized Steel Door, Add	*102.69*	
		For Type 304 Stainless Steel Door, Add	*410.75*	
		For Type 316 Stainless Steel Door, Add	*667.47*	
		For Embossed Panel Door, Add	*123.23*	
		For Baked Enamel Finish, Add	*178.45*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.88*	
		For >100, Deduct	*-54.79*	
		For Polystyrene Core, Add	*51.34*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*128.36*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.18*	
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	696.88	84.78
		For Galvanized Steel Door, Add	*105.46*	
		For Type 304 Stainless Steel Door, Add	*421.86*	
		For Type 316 Stainless Steel Door, Add	*685.52*	
		For Embossed Panel Door, Add	*126.56*	
		For Baked Enamel Finish, Add	*183.63*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.08*	
		For >100, Deduct	*-56.51*	
		For Polystyrene Core, Add	*52.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*131.83*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.92*	
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	765.96	91.56
		For Galvanized Steel Door, Add	*116.57*	
		For Type 304 Stainless Steel Door, Add	*466.26*	
		For Type 316 Stainless Steel Door, Add	*757.68*	
		For Embossed Panel Door, Add	*139.88*	
		For Baked Enamel Finish, Add	*202.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.88*	
		For >100, Deduct	*-62.03*	
		For Polystyrene Core, Add	*58.28*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*145.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*72.85*	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	616.07	74.60
		For Galvanized Steel Door, Add	*93.37*	
		For Type 304 Stainless Steel Door, Add	*373.48*	
		For Type 316 Stainless Steel Door, Add	*606.91*	
		For Embossed Panel Door, Add	*112.04*	
		For Baked Enamel Finish, Add	*162.44*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.53*	
		For >100, Deduct	*-49.94*	
		For Polystyrene Core, Add	*46.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.36*	
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	616.07	74.60
		For Galvanized Steel Door, Add	*93.37*	
		For Type 304 Stainless Steel Door, Add	*373.48*	
		For Type 316 Stainless Steel Door, Add	*606.91*	
		For Embossed Panel Door, Add	*112.04*	
		For Baked Enamel Finish, Add	*162.44*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.53*	
		For >100, Deduct	*-49.94*	
		For Polystyrene Core, Add	*46.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	632.39	78.00
		For Galvanized Steel Door, Add	*95.28*	
		For Type 304 Stainless Steel Door, Add	*381.12*	
		For Type 316 Stainless Steel Door, Add	*619.32*	
		For Embossed Panel Door, Add	*114.34*	
		For Baked Enamel Finish, Add	*166.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.52*	
		For >100, Deduct	*-51.33*	
		For Polystyrene Core, Add	*47.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.55*	
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	639.50	78.00
		For Galvanized Steel Door, Add	*96.70*	
		For Type 304 Stainless Steel Door, Add	*386.81*	
		For Type 316 Stainless Steel Door, Add	*628.56*	
		For Embossed Panel Door, Add	*116.04*	
		For Baked Enamel Finish, Add	*168.45*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.87*	
		For >100, Deduct	*-51.86*	
		For Polystyrene Core, Add	*48.35*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.88*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.44*	
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	645.73	79.69
		For Galvanized Steel Door, Add	*97.27*	
		For Type 304 Stainless Steel Door, Add	*389.08*	
		For Type 316 Stainless Steel Door, Add	*632.26*	
		For Embossed Panel Door, Add	*116.72*	
		For Baked Enamel Finish, Add	*169.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.27*	
		For >100, Deduct	*-52.41*	
		For Polystyrene Core, Add	*48.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*121.59*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.79*	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	651.97	81.39
		For Galvanized Steel Door, Add	*97.84*	
		For Type 304 Stainless Steel Door, Add	*391.36*	
		For Type 316 Stainless Steel Door, Add	*635.96*	
		For Embossed Panel Door, Add	*117.41*	
		For Baked Enamel Finish, Add	*171.18*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.67*	
		For >100, Deduct	*-52.97*	
		For Polystyrene Core, Add	*48.92*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.30*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.15*	
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	688.94	81.39
		For Galvanized Steel Door, Add	*105.23*	
		For Type 304 Stainless Steel Door, Add	*420.94*	
		For Type 316 Stainless Steel Door, Add	*684.02*	
		For Embossed Panel Door, Add	*126.28*	
		For Baked Enamel Finish, Add	*182.27*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.52*	
		For >100, Deduct	*-55.74*	
		For Polystyrene Core, Add	*52.62*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*131.54*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	709.96	84.78
		For Galvanized Steel Door, Add	*108.08*	
		For Type 304 Stainless Steel Door, Add	*432.32*	
		For Type 316 Stainless Steel Door, Add	*702.52*	
		For Embossed Panel Door, Add	*129.70*	
		For Baked Enamel Finish, Add	*187.55*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.74*	
		For >100, Deduct	*-57.49*	
		For Polystyrene Core, Add	*54.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*135.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*67.55*	
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	780.41	91.56
		For Galvanized Steel Door, Add	*119.46*	
		For Type 304 Stainless Steel Door, Add	*477.82*	
		For Type 316 Stainless Steel Door, Add	*776.46*	
		For Embossed Panel Door, Add	*143.35*	
		For Baked Enamel Finish, Add	*206.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.60*	
		For >100, Deduct	*-63.11*	
		For Polystyrene Core, Add	*59.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*149.32*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*74.66*	

08 13 13 13-0032 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0033 6'-8" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	629.06	74.60
		For Galvanized Steel Door, Add	*95.97*	
		For Type 304 Stainless Steel Door, Add	*383.87*	
		For Type 316 Stainless Steel Door, Add	*623.79*	
		For Embossed Panel Door, Add	*115.16*	
		For Baked Enamel Finish, Add	*166.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.18*	
		For >100, Deduct	*-50.91*	
		For 2" Thick Door, Add	*38.52*	
		For Polystyrene Core, Add	*47.98*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.96*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.98*	
		For Steel Stiffened, Add	*119.96*	
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	629.06	74.60
		For Galvanized Steel Door, Add	*95.97*	
		For Type 304 Stainless Steel Door, Add	*383.87*	
		For Type 316 Stainless Steel Door, Add	*623.79*	
		For Embossed Panel Door, Add	*115.16*	
		For Baked Enamel Finish, Add	*166.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.18*	
		For >100, Deduct	*-50.91*	
		For 2" Thick Door, Add	*38.52*	
		For Polystyrene Core, Add	*47.98*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.96*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.98*	
		For Steel Stiffened, Add	*119.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	645.64	78.00
		For Galvanized Steel Door, Add	*97.93*	
		For Type 304 Stainless Steel Door, Add	*391.72*	
		For Type 316 Stainless Steel Door, Add	*636.55*	
		For Embossed Panel Door, Add	*117.52*	
		For Baked Enamel Finish, Add	*170.29*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.18*	
		For >100, Deduct	*-52.32*	
		For 2" Thick Door, Add	*39.40*	
		For Polystyrene Core, Add	*48.97*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.41*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.21*	
		For Steel Stiffened, Add	*122.41*	
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	652.95	78.00
		For Galvanized Steel Door, Add	*99.39*	
		For Type 304 Stainless Steel Door, Add	*397.57*	
		For Type 316 Stainless Steel Door, Add	*646.05*	
		For Embossed Panel Door, Add	*119.27*	
		For Baked Enamel Finish, Add	*172.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.55*	
		For >100, Deduct	*-52.87*	
		For 2" Thick Door, Add	*39.93*	
		For Polystyrene Core, Add	*49.70*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*124.24*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.12*	
		For Steel Stiffened, Add	*124.24*	
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	659.25	79.69
		For Galvanized Steel Door, Add	*99.97*	
		For Type 304 Stainless Steel Door, Add	*399.90*	
		For Type 316 Stainless Steel Door, Add	*649.83*	
		For Embossed Panel Door, Add	*119.97*	
		For Baked Enamel Finish, Add	*173.87*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.95*	
		For >100, Deduct	*-53.43*	
		For 2" Thick Door, Add	*40.23*	
		For Polystyrene Core, Add	*49.99*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*124.97*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.48*	
		For Steel Stiffened, Add	*124.97*	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	665.58	81.39
		For Galvanized Steel Door, Add	*100.56*	
		For Type 304 Stainless Steel Door, Add	*402.25*	
		For Type 316 Stainless Steel Door, Add	*653.65*	
		For Embossed Panel Door, Add	*120.67*	
		For Baked Enamel Finish, Add	*175.26*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.35*	
		For >100, Deduct	*-53.99*	
		For 2" Thick Door, Add	*40.52*	
		For Polystyrene Core, Add	*50.28*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.70*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.85*	
		For Steel Stiffened, Add	*125.70*	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	703.58	81.39
		For Galvanized Steel Door, Add	*108.16*	
		For Type 304 Stainless Steel Door, Add	*432.65*	
		For Type 316 Stainless Steel Door, Add	*703.05*	
		For Embossed Panel Door, Add	*129.79*	
		For Baked Enamel Finish, Add	*186.66*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.25*	
		For >100, Deduct	*-56.84*	
		For 2" Thick Door, Add	*43.28*	
		For Polystyrene Core, Add	*54.08*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*135.20*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*67.60*	
		For Steel Stiffened, Add	*135.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	724.99	84.78
		For Galvanized Steel Door, Add	*111.09*	
		For Type 304 Stainless Steel Door, Add	*444.34*	
		For Type 316 Stainless Steel Door, Add	*722.06*	
		For Embossed Panel Door, Add	*133.30*	
		For Baked Enamel Finish, Add	*192.06*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.49*	
		For >100, Deduct	*-58.61*	
		For 2" Thick Door, Add	*44.51*	
		For Polystyrene Core, Add	*55.54*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*138.86*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*69.43*	
		For Steel Stiffened, Add	*138.86*	
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	797.02	91.56
		For Galvanized Steel Door, Add	*122.78*	
		For Type 304 Stainless Steel Door, Add	*491.11*	
		For Type 316 Stainless Steel Door, Add	*798.06*	
		For Embossed Panel Door, Add	*147.33*	
		For Baked Enamel Finish, Add	*211.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.43*	
		For >100, Deduct	*-64.35*	
		For 2" Thick Door, Add	*49.09*	
		For Polystyrene Core, Add	*61.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*153.47*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*76.74*	
		For Steel Stiffened, Add	*153.47*	

08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0044	EA	2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	640.45	74.60
		For Galvanized Steel Door, Add	*98.25*	
		For Type 304 Stainless Steel Door, Add	*392.98*	
		For Type 316 Stainless Steel Door, Add	*638.60*	
		For Embossed Panel Door, Add	*117.90*	
		For Baked Enamel Finish, Add	*169.75*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.75*	
		For >100, Deduct	*-51.76*	
		For 2" Thick Door, Add	*39.34*	
		For Polystyrene Core, Add	*49.12*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.81*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.40*	
		For Steel Stiffened, Add	*122.81*	
08 13 13 13-0045	EA	2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	640.45	74.60
		For Galvanized Steel Door, Add	*98.25*	
		For Type 304 Stainless Steel Door, Add	*392.98*	
		For Type 316 Stainless Steel Door, Add	*638.60*	
		For Embossed Panel Door, Add	*117.90*	
		For Baked Enamel Finish, Add	*169.75*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.75*	
		For >100, Deduct	*-51.76*	
		For 2" Thick Door, Add	*39.34*	
		For Polystyrene Core, Add	*49.12*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.81*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.40*	
		For Steel Stiffened, Add	*122.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	657.26	78.00
		For Galvanized Steel Door, Add	*100.25*	
		For Type 304 Stainless Steel Door, Add	*401.02*	
		For Type 316 Stainless Steel Door, Add	*651.65*	
		For Embossed Panel Door, Add	*120.30*	
		For Baked Enamel Finish, Add	*173.78*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.76*	
		For >100, Deduct	*-53.19*	
		For 2" Thick Door, Add	*40.24*	
		For Polystyrene Core, Add	*50.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.32*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.66*	
		For Steel Stiffened, Add	*125.32*	
08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	664.74	78.00
		For Galvanized Steel Door, Add	*101.75*	
		For Type 304 Stainless Steel Door, Add	*407.00*	
		For Type 316 Stainless Steel Door, Add	*661.38*	
		For Embossed Panel Door, Add	*122.10*	
		For Baked Enamel Finish, Add	*176.02*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.14*	
		For >100, Deduct	*-53.76*	
		For 2" Thick Door, Add	*40.78*	
		For Polystyrene Core, Add	*50.88*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*127.19*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.59*	
		For Steel Stiffened, Add	*127.19*	
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	671.13	79.69
		For Galvanized Steel Door, Add	*102.35*	
		For Type 304 Stainless Steel Door, Add	*409.40*	
		For Type 316 Stainless Steel Door, Add	*665.28*	
		For Embossed Panel Door, Add	*122.82*	
		For Baked Enamel Finish, Add	*177.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.54*	
		For >100, Deduct	*-54.32*	
		For 2" Thick Door, Add	*41.09*	
		For Polystyrene Core, Add	*51.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*127.94*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.97*	
		For Steel Stiffened, Add	*127.94*	
08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	677.51	81.39
		For Galvanized Steel Door, Add	*102.95*	
		For Type 304 Stainless Steel Door, Add	*411.79*	
		For Type 316 Stainless Steel Door, Add	*669.16*	
		For Embossed Panel Door, Add	*123.54*	
		For Baked Enamel Finish, Add	*178.84*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.94*	
		For >100, Deduct	*-54.88*	
		For 2" Thick Door, Add	*41.39*	
		For Polystyrene Core, Add	*51.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*128.69*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.34*	
		For Steel Stiffened, Add	*128.69*	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	716.41	81.39
		For Galvanized Steel Door, Add	*110.73*	
		For Type 304 Stainless Steel Door, Add	*442.91*	
		For Type 316 Stainless Steel Door, Add	*719.73*	
		For Embossed Panel Door, Add	*132.87*	
		For Baked Enamel Finish, Add	*190.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.89*	
		For >100, Deduct	*-57.80*	
		For 2" Thick Door, Add	*44.21*	
		For Polystyrene Core, Add	*55.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*138.41*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*69.21*	
		For Steel Stiffened, Add	*138.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	738.17	84.78
		For Galvanized Steel Door, Add	*113.72*	
		For Type 304 Stainless Steel Door, Add	*454.89*	
		For Type 316 Stainless Steel Door, Add	*739.19*	
		For Embossed Panel Door, Add	*136.47*	
		For Baked Enamel Finish, Add	*196.02*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.15*	
		For >100, Deduct	*-59.60*	
		For 2" Thick Door, Add	*45.46*	
		For Polystyrene Core, Add	*56.86*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*142.15*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*71.08*	
		For Steel Stiffened, Add	*142.15*	
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	811.59	91.56
		For Galvanized Steel Door, Add	*125.69*	
		For Type 304 Stainless Steel Door, Add	*502.77*	
		For Type 316 Stainless Steel Door, Add	*817.00*	
		For Embossed Panel Door, Add	*150.83*	
		For Baked Enamel Finish, Add	*216.01*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.16*	
		For >100, Deduct	*-65.45*	
		For 2" Thick Door, Add	*50.14*	
		For Polystyrene Core, Add	*62.85*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*157.12*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*78.56*	
		For Steel Stiffened, Add	*157.12*	

08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	651.84	74.60
		For Galvanized Steel Door, Add	*100.52*	
		For Type 304 Stainless Steel Door, Add	*402.10*	
		For Type 316 Stainless Steel Door, Add	*653.41*	
		For Embossed Panel Door, Add	*120.63*	
		For Baked Enamel Finish, Add	*173.17*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.32*	
		For >100, Deduct	*-52.62*	
		For 2" Thick Door, Add	*40.17*	
		For Polystyrene Core, Add	*50.26*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.66*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.83*	
		For Steel Stiffened, Add	*125.66*	
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	651.84	74.60
		For Galvanized Steel Door, Add	*100.52*	
		For Type 304 Stainless Steel Door, Add	*402.10*	
		For Type 316 Stainless Steel Door, Add	*653.41*	
		For Embossed Panel Door, Add	*120.63*	
		For Baked Enamel Finish, Add	*173.17*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.32*	
		For >100, Deduct	*-52.62*	
		For 2" Thick Door, Add	*40.17*	
		For Polystyrene Core, Add	*50.26*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.66*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.83*	
		For Steel Stiffened, Add	*125.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	668.88	78.00
		For Galvanized Steel Door, Add	*102.58*	
		For Type 304 Stainless Steel Door, Add	*410.31*	
		For Type 316 Stainless Steel Door, Add	*666.76*	
		For Embossed Panel Door, Add	*123.09*	
		For Baked Enamel Finish, Add	*177.27*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.34*	
		For >100, Deduct	*-54.07*	
		For 2" Thick Door, Add	*41.08*	
		For Polystyrene Core, Add	*51.29*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*128.22*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.11*	
		For Steel Stiffened, Add	*128.22*	
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	676.54	78.00
		For Galvanized Steel Door, Add	*104.11*	
		For Type 304 Stainless Steel Door, Add	*416.44*	
		For Type 316 Stainless Steel Door, Add	*676.72*	
		For Embossed Panel Door, Add	*124.93*	
		For Baked Enamel Finish, Add	*179.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.73*	
		For >100, Deduct	*-54.64*	
		For 2" Thick Door, Add	*41.64*	
		For Polystyrene Core, Add	*52.06*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*130.14*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.07*	
		For Steel Stiffened, Add	*130.14*	
08 13 13 13-0058	EA	2'-10" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	683.00	79.69
		For Galvanized Steel Door, Add	*104.72*	
		For Type 304 Stainless Steel Door, Add	*418.90*	
		For Type 316 Stainless Steel Door, Add	*680.71*	
		For Embossed Panel Door, Add	*125.67*	
		For Baked Enamel Finish, Add	*180.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.13*	
		For >100, Deduct	*-55.21*	
		For 2" Thick Door, Add	*41.95*	
		For Polystyrene Core, Add	*52.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*130.91*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.45*	
		For Steel Stiffened, Add	*130.91*	
08 13 13 13-0059	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	689.44	81.39
		For Galvanized Steel Door, Add	*105.33*	
		For Type 304 Stainless Steel Door, Add	*421.34*	
		For Type 316 Stainless Steel Door, Add	*684.67*	
		For Embossed Panel Door, Add	*126.40*	
		For Baked Enamel Finish, Add	*182.42*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.54*	
		For >100, Deduct	*-55.78*	
		For 2" Thick Door, Add	*42.25*	
		For Polystyrene Core, Add	*52.67*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*131.67*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.83*	
		For Steel Stiffened, Add	*131.67*	
08 13 13 13-0060	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	729.25	81.39
		For Galvanized Steel Door, Add	*113.30*	
		For Type 304 Stainless Steel Door, Add	*453.18*	
		For Type 316 Stainless Steel Door, Add	*736.42*	
		For Embossed Panel Door, Add	*135.96*	
		For Baked Enamel Finish, Add	*194.36*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.53*	
		For >100, Deduct	*-58.76*	
		For 2" Thick Door, Add	*45.14*	
		For Polystyrene Core, Add	*56.65*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*141.62*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*70.81*	
		For Steel Stiffened, Add	*141.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0061	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	751.35	84.78
		For Galvanized Steel Door, Add	*116.36*	
		For Type 304 Stainless Steel Door, Add	*465.43*	
		For Type 316 Stainless Steel Door, Add	*756.33*	
		For Embossed Panel Door, Add	*139.63*	
		For Baked Enamel Finish, Add	*199.97*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.81*	
		For >100, Deduct	*-60.59*	
		For 2" Thick Door, Add	*46.42*	
		For Polystyrene Core, Add	*58.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*145.45*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*72.72*	
		For Steel Stiffened, Add	*145.45*	
08 13 13 13-0062	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	826.16	91.56
		For Galvanized Steel Door, Add	*128.61*	
		For Type 304 Stainless Steel Door, Add	*514.42*	
		For Type 316 Stainless Steel Door, Add	*835.94*	
		For Embossed Panel Door, Add	*154.33*	
		For Baked Enamel Finish, Add	*220.38*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.89*	
		For >100, Deduct	*-66.54*	
		For 2" Thick Door, Add	*51.20*	
		For Polystyrene Core, Add	*64.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*160.76*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*80.38*	
		For Steel Stiffened, Add	*160.76*	

08 13 13 13-0063 8' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0064	EA	2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	745.77	74.60
		For Up To 1' Extra Height, Add	*165.07*	
		For 1' To 1'-6" Extra Height, Add	*314.92*	
		For Galvanized Steel Door, Add	*119.31*	
		For Type 304 Stainless Steel Door, Add	*477.24*	
		For Type 316 Stainless Steel Door, Add	*775.52*	
		For Embossed Panel Door, Add	*143.17*	
		For Baked Enamel Finish, Add	*201.35*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.02*	
		For >100, Deduct	*-59.66*	
		For 2" Thick Door, Add	*46.98*	
		For Polystyrene Core, Add	*59.66*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*149.14*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*74.57*	
		For Steel Stiffened, Add	*149.14*	
08 13 13 13-0065	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	745.77	74.60
		For Up To 1' Extra Height, Add	*165.07*	
		For 1' To 1'-6" Extra Height, Add	*314.92*	
		For Galvanized Steel Door, Add	*119.31*	
		For Type 304 Stainless Steel Door, Add	*477.24*	
		For Type 316 Stainless Steel Door, Add	*775.52*	
		For Embossed Panel Door, Add	*143.17*	
		For Baked Enamel Finish, Add	*201.35*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.02*	
		For >100, Deduct	*-59.66*	
		For 2" Thick Door, Add	*46.98*	
		For Polystyrene Core, Add	*59.66*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*149.14*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*74.57*	
		For Steel Stiffened, Add	*149.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0066	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	764.74	78.00
		For Up To 1' Extra Height, Add	*168.44*	
		For 1' To 1'-6" Extra Height, Add	*321.36*	
		For Galvanized Steel Door, Add	*121.75*	
		For Type 304 Stainless Steel Door, Add	*487.00*	
		For Type 316 Stainless Steel Door, Add	*791.38*	
		For Embossed Panel Door, Add	*146.10*	
		For Baked Enamel Finish, Add	*206.02*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.14*	
		For >100, Deduct	*-61.26*	
		For 2" Thick Door, Add	*48.03*	
		For Polystyrene Core, Add	*60.88*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*152.19*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*76.09*	
		For Steel Stiffened, Add	*152.19*	
08 13 13 13-0067	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	773.83	78.00
		For Up To 1' Extra Height, Add	*170.96*	
		For 1' To 1'-6" Extra Height, Add	*326.16*	
		For Galvanized Steel Door, Add	*123.57*	
		For Type 304 Stainless Steel Door, Add	*494.27*	
		For Type 316 Stainless Steel Door, Add	*803.19*	
		For Embossed Panel Door, Add	*148.28*	
		For Baked Enamel Finish, Add	*208.75*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.59*	
		For >100, Deduct	*-61.94*	
		For 2" Thick Door, Add	*48.69*	
		For Polystyrene Core, Add	*61.78*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*154.46*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*77.23*	
		For Steel Stiffened, Add	*154.46*	
08 13 13 13-0068	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	780.85	79.69
		For Up To 1' Extra Height, Add	*171.96*	
		For 1' To 1'-6" Extra Height, Add	*328.07*	
		For Galvanized Steel Door, Add	*124.29*	
		For Type 304 Stainless Steel Door, Add	*497.18*	
		For Type 316 Stainless Steel Door, Add	*807.91*	
		For Embossed Panel Door, Add	*149.15*	
		For Baked Enamel Finish, Add	*210.35*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.03*	
		For >100, Deduct	*-62.55*	
		For 2" Thick Door, Add	*49.04*	
		For Polystyrene Core, Add	*62.15*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*155.37*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*77.68*	
		For Steel Stiffened, Add	*155.37*	
08 13 13 13-0069	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	787.87	81.39
		For Up To 1' Extra Height, Add	*172.97*	
		For 1' To 1'-6" Extra Height, Add	*329.99*	
		For Galvanized Steel Door, Add	*125.02*	
		For Type 304 Stainless Steel Door, Add	*500.08*	
		For Type 316 Stainless Steel Door, Add	*812.63*	
		For Embossed Panel Door, Add	*150.02*	
		For Baked Enamel Finish, Add	*211.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.46*	
		For >100, Deduct	*-63.16*	
		For 2" Thick Door, Add	*49.39*	
		For Polystyrene Core, Add	*62.51*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*156.28*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*78.14*	
		For Steel Stiffened, Add	*156.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0070	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	835.12	81.39
		For Up To 1' Extra Height, Add	*186.04*	
		For 1' To 1'-6" Extra Height, Add	*354.93*	
		For Galvanized Steel Door, Add	*134.47*	
		For Type 304 Stainless Steel Door, Add	*537.88*	
		For Type 316 Stainless Steel Door, Add	*874.06*	
		For Embossed Panel Door, Add	*161.36*	
		For Baked Enamel Finish, Add	*226.12*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.83*	
		For >100, Deduct	*-66.70*	
		For 2" Thick Door, Add	*52.81*	
		For Polystyrene Core, Add	*67.24*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*168.09*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*84.04*	
		For Steel Stiffened, Add	*168.09*	
08 13 13 13-0071	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	860.08	84.78
		For Up To 1' Extra Height, Add	*191.07*	
		For 1' To 1'-6" Extra Height, Add	*364.53*	
		For Galvanized Steel Door, Add	*138.10*	
		For Type 304 Stainless Steel Door, Add	*552.42*	
		For Type 316 Stainless Steel Door, Add	*897.68*	
		For Embossed Panel Door, Add	*165.72*	
		For Baked Enamel Finish, Add	*232.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.24*	
		For >100, Deduct	*-68.75*	
		For 2" Thick Door, Add	*54.30*	
		For Polystyrene Core, Add	*69.05*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*172.63*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*86.32*	
		For Steel Stiffened, Add	*172.63*	
08 13 13 13-0072	EA	4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	946.34	91.56
		For Up To 1' Extra Height, Add	*211.18*	
		For 1' To 1'-6" Extra Height, Add	*402.90*	
		For Galvanized Steel Door, Add	*152.64*	
		For Type 304 Stainless Steel Door, Add	*610.57*	
		For Type 316 Stainless Steel Door, Add	*992.17*	
		For Embossed Panel Door, Add	*183.17*	
		For Baked Enamel Finish, Add	*256.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.90*	
		For >100, Deduct	*-75.55*	
		For 2" Thick Door, Add	*59.91*	
		For Polystyrene Core, Add	*76.32*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*190.80*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*95.40*	
		For Steel Stiffened, Add	*190.80*	

08 13 13 13-0073 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0074 6'-8" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

08 13 13 13-0075	EA	2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	813.80	74.60
		For 14 Gauge, Level 4 Maximum Duty, Add	*265.83*	
		For Galvanized Steel Door, Add	*132.92*	
		For Type 304 Stainless Steel Door, Add	*531.66*	
		For Type 316 Stainless Steel Door, Add	*863.95*	
		For Embossed Panel Door, Add	*159.50*	
		For Baked Enamel Finish, Add	*221.76*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.42*	
		For >100, Deduct	*-64.77*	
		For 2" Thick Door, Add	*51.91*	
		For Polystyrene Core, Add	*66.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.15*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.07*	
		For Steel Stiffened, Add	*166.15*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0076	EA	2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	813.80	74.60
		For 14 Gauge, Level 4 Maximum Duty, Add	*265.83*	
		For Galvanized Steel Door, Add	*132.92*	
		For Type 304 Stainless Steel Door, Add	*531.66*	
		For Type 316 Stainless Steel Door, Add	*863.95*	
		For Embossed Panel Door, Add	*159.50*	
		For Baked Enamel Finish, Add	*221.76*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.42*	
		For >100, Deduct	*-64.77*	
		For 2" Thick Door, Add	*51.91*	
		For Polystyrene Core, Add	*66.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.15*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.07*	
		For Steel Stiffened, Add	*166.15*	
08 13 13 13-0077	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	834.16	78.00
		For 14 Gauge, Level 4 Maximum Duty, Add	*271.27*	
		For Galvanized Steel Door, Add	*135.63*	
		For Type 304 Stainless Steel Door, Add	*542.54*	
		For Type 316 Stainless Steel Door, Add	*881.62*	
		For Embossed Panel Door, Add	*162.76*	
		For Baked Enamel Finish, Add	*226.85*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.61*	
		For >100, Deduct	*-66.46*	
		For 2" Thick Door, Add	*53.07*	
		For Polystyrene Core, Add	*67.82*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*169.54*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*84.77*	
		For Steel Stiffened, Add	*169.54*	
08 13 13 13-0078	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	844.28	78.00
		For 14 Gauge, Level 4 Maximum Duty, Add	*275.32*	
		For Galvanized Steel Door, Add	*137.66*	
		For Type 304 Stainless Steel Door, Add	*550.63*	
		For Type 316 Stainless Steel Door, Add	*894.78*	
		For Embossed Panel Door, Add	*165.19*	
		For Baked Enamel Finish, Add	*229.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.11*	
		For >100, Deduct	*-67.22*	
		For 2" Thick Door, Add	*53.80*	
		For Polystyrene Core, Add	*68.83*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*172.07*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*86.04*	
		For Steel Stiffened, Add	*172.07*	
08 13 13 13-0079	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	851.73	79.69
		For 14 Gauge, Level 4 Maximum Duty, Add	*276.94*	
		For Galvanized Steel Door, Add	*138.47*	
		For Type 304 Stainless Steel Door, Add	*553.88*	
		For Type 316 Stainless Steel Door, Add	*900.06*	
		For Embossed Panel Door, Add	*166.16*	
		For Baked Enamel Finish, Add	*231.61*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.57*	
		For >100, Deduct	*-67.86*	
		For 2" Thick Door, Add	*54.18*	
		For Polystyrene Core, Add	*69.24*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*173.09*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*86.54*	
		For Steel Stiffened, Add	*173.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0080	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	859.16	81.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*278.56*	
		For Galvanized Steel Door, Add	*139.28*	
		For Type 304 Stainless Steel Door, Add	*557.11*	
		For Type 316 Stainless Steel Door, Add	*905.31*	
		For Embossed Panel Door, Add	*167.13*	
		For Baked Enamel Finish, Add	*233.33*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.03*	
		For >100, Deduct	*-68.51*	
		For 2" Thick Door, Add	*54.56*	
		For Polystyrene Core, Add	*69.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*174.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.05*	
		For Steel Stiffened, Add	*174.10*	
08 13 13 13-0081	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	911.79	81.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*299.61*	
		For Galvanized Steel Door, Add	*149.80*	
		For Type 304 Stainless Steel Door, Add	*599.22*	
		For Type 316 Stainless Steel Door, Add	*973.73*	
		For Embossed Panel Door, Add	*179.76*	
		For Baked Enamel Finish, Add	*249.12*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-49.66*	
		For >100, Deduct	*-72.45*	
		For 2" Thick Door, Add	*58.37*	
		For Polystyrene Core, Add	*74.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*187.26*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*93.63*	
		For Steel Stiffened, Add	*187.26*	
08 13 13 13-0082	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	938.82	84.78
		For 14 Gauge, Level 4 Maximum Duty, Add	*307.70*	
		For Galvanized Steel Door, Add	*153.85*	
		For Type 304 Stainless Steel Door, Add	*615.41*	
		For Type 316 Stainless Steel Door, Add	*1,000.04*	
		For Embossed Panel Door, Add	*184.62*	
		For Baked Enamel Finish, Add	*256.21*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.18*	
		For >100, Deduct	*-74.65*	
		For 2" Thick Door, Add	*60.01*	
		For Polystyrene Core, Add	*76.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*192.32*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*96.16*	
		For Steel Stiffened, Add	*192.32*	
08 13 13 13-0083	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,033.37	91.56
		For 14 Gauge, Level 4 Maximum Duty, Add	*340.10*	
		For Galvanized Steel Door, Add	*170.05*	
		For Type 304 Stainless Steel Door, Add	*680.19*	
		For Type 316 Stainless Steel Door, Add	*1,105.31*	
		For Embossed Panel Door, Add	*204.06*	
		For Baked Enamel Finish, Add	*282.54*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-56.25*	
		For >100, Deduct	*-82.08*	
		For 2" Thick Door, Add	*66.22*	
		For Polystyrene Core, Add	*85.02*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*212.56*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*106.28*	
		For Steel Stiffened, Add	*212.56*	

08 13 13 13-0084 7' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0085	EA	2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	829.57	74.60
		For 14 Gauge, Level 4 Maximum Duty, Add	*272.14*	
		For Galvanized Steel Door, Add	*136.07*	
		For Type 304 Stainless Steel Door, Add	*544.28*	
		For Type 316 Stainless Steel Door, Add	*884.46*	
		For Embossed Panel Door, Add	*163.28*	
		For Baked Enamel Finish, Add	*226.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.21*	
		For >100, Deduct	*-65.95*	
		For 2" Thick Door, Add	*53.06*	
		For Polystyrene Core, Add	*68.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.09*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.04*	
		For Steel Stiffened, Add	*170.09*	
08 13 13 13-0086	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	829.57	74.60
		For 14 Gauge, Level 4 Maximum Duty, Add	*272.14*	
		For Galvanized Steel Door, Add	*136.07*	
		For Type 304 Stainless Steel Door, Add	*544.28*	
		For Type 316 Stainless Steel Door, Add	*884.46*	
		For Embossed Panel Door, Add	*163.28*	
		For Baked Enamel Finish, Add	*226.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.21*	
		For >100, Deduct	*-65.95*	
		For 2" Thick Door, Add	*53.06*	
		For Polystyrene Core, Add	*68.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.09*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.04*	
		For Steel Stiffened, Add	*170.09*	
08 13 13 13-0087	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	850.25	78.00
		For 14 Gauge, Level 4 Maximum Duty, Add	*277.70*	
		For Galvanized Steel Door, Add	*138.85*	
		For Type 304 Stainless Steel Door, Add	*555.41*	
		For Type 316 Stainless Steel Door, Add	*902.54*	
		For Embossed Panel Door, Add	*166.62*	
		For Baked Enamel Finish, Add	*231.68*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.41*	
		For >100, Deduct	*-67.67*	
		For 2" Thick Door, Add	*54.23*	
		For Polystyrene Core, Add	*69.43*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*173.57*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*86.78*	
		For Steel Stiffened, Add	*173.57*	
08 13 13 13-0088	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	860.61	78.00
		For 14 Gauge, Level 4 Maximum Duty, Add	*281.85*	
		For Galvanized Steel Door, Add	*140.92*	
		For Type 304 Stainless Steel Door, Add	*563.70*	
		For Type 316 Stainless Steel Door, Add	*916.01*	
		For Embossed Panel Door, Add	*169.11*	
		For Baked Enamel Finish, Add	*234.78*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.93*	
		For >100, Deduct	*-68.45*	
		For 2" Thick Door, Add	*54.98*	
		For Polystyrene Core, Add	*70.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*176.16*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*88.08*	
		For Steel Stiffened, Add	*176.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0089	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	868.15	79.69
		For 14 Gauge, Level 4 Maximum Duty, Add	*283.51*	
		For Galvanized Steel Door, Add	*141.75*	
		For Type 304 Stainless Steel Door, Add	*567.02*	
		For Type 316 Stainless Steel Door, Add	*921.40*	
		For Embossed Panel Door, Add	*170.10*	
		For Baked Enamel Finish, Add	*236.54*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.39*	
		For >100, Deduct	*-69.10*	
		For 2" Thick Door, Add	*55.37*	
		For Polystyrene Core, Add	*70.88*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*177.19*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*88.60*	
		For Steel Stiffened, Add	*177.19*	
08 13 13 13-0090	EA	3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	875.68	81.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*285.16*	
		For Galvanized Steel Door, Add	*142.58*	
		For Type 304 Stainless Steel Door, Add	*570.33*	
		For Type 316 Stainless Steel Door, Add	*926.78*	
		For Embossed Panel Door, Add	*171.10*	
		For Baked Enamel Finish, Add	*238.29*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.85*	
		For >100, Deduct	*-69.75*	
		For 2" Thick Door, Add	*55.76*	
		For Polystyrene Core, Add	*71.29*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*178.23*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*89.11*	
		For Steel Stiffened, Add	*178.23*	
08 13 13 13-0091	EA	3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	929.57	81.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*306.72*	
		For Galvanized Steel Door, Add	*153.36*	
		For Type 304 Stainless Steel Door, Add	*613.44*	
		For Type 316 Stainless Steel Door, Add	*996.84*	
		For Embossed Panel Door, Add	*184.03*	
		For Baked Enamel Finish, Add	*254.46*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.55*	
		For >100, Deduct	*-73.79*	
		For 2" Thick Door, Add	*59.66*	
		For Polystyrene Core, Add	*76.68*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*191.70*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*95.85*	
		For Steel Stiffened, Add	*191.70*	
08 13 13 13-0092	EA	3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	957.08	84.78
		For 14 Gauge, Level 4 Maximum Duty, Add	*315.01*	
		For Galvanized Steel Door, Add	*157.50*	
		For Type 304 Stainless Steel Door, Add	*630.02*	
		For Type 316 Stainless Steel Door, Add	*1,023.78*	
		For Embossed Panel Door, Add	*189.00*	
		For Baked Enamel Finish, Add	*261.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.09*	
		For >100, Deduct	*-76.02*	
		For 2" Thick Door, Add	*61.33*	
		For Polystyrene Core, Add	*78.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*196.88*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*98.44*	
		For Steel Stiffened, Add	*196.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0093	EA	4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,053.55	91.56
		For 14 Gauge, Level 4 Maximum Duty, Add	*348.17*	
		For Galvanized Steel Door, Add	*174.08*	
		For Type 304 Stainless Steel Door, Add	*696.34*	
		For Type 316 Stainless Steel Door, Add	*1,131.55*	
		For Embossed Panel Door, Add	*208.90*	
		For Baked Enamel Finish, Add	*288.60*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-57.26*	
		For >100, Deduct	*-83.59*	
		For 2" Thick Door, Add	*67.68*	
		For Polystyrene Core, Add	*87.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*217.61*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*108.80*	
		For Steel Stiffened, Add	*217.61*	

08 13 13 13-0094 7'-2" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13-0073)*

08 13 13 13-0095	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	845.34	74.60
		For 14 Gauge, Level 4 Maximum Duty, Add	*278.45*	
		For Galvanized Steel Door, Add	*139.22*	
		For Type 304 Stainless Steel Door, Add	*556.90*	
		For Type 316 Stainless Steel Door, Add	*904.96*	
		For Embossed Panel Door, Add	*167.07*	
		For Baked Enamel Finish, Add	*231.22*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.00*	
		For >100, Deduct	*-67.13*	
		For 2" Thick Door, Add	*54.20*	
		For Polystyrene Core, Add	*69.61*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*174.03*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.02*	
		For Steel Stiffened, Add	*174.03*	
08 13 13 13-0096	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	845.34	74.60
		For 14 Gauge, Level 4 Maximum Duty, Add	*278.45*	
		For Galvanized Steel Door, Add	*139.22*	
		For Type 304 Stainless Steel Door, Add	*556.90*	
		For Type 316 Stainless Steel Door, Add	*904.96*	
		For Embossed Panel Door, Add	*167.07*	
		For Baked Enamel Finish, Add	*231.22*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.00*	
		For >100, Deduct	*-67.13*	
		For 2" Thick Door, Add	*54.20*	
		For Polystyrene Core, Add	*69.61*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*174.03*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.02*	
		For Steel Stiffened, Add	*174.03*	
08 13 13 13-0097	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	866.35	78.00
		For 14 Gauge, Level 4 Maximum Duty, Add	*284.14*	
		For Galvanized Steel Door, Add	*142.07*	
		For Type 304 Stainless Steel Door, Add	*568.29*	
		For Type 316 Stainless Steel Door, Add	*923.47*	
		For Embossed Panel Door, Add	*170.49*	
		For Baked Enamel Finish, Add	*236.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.22*	
		For >100, Deduct	*-68.88*	
		For 2" Thick Door, Add	*55.40*	
		For Polystyrene Core, Add	*71.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*177.59*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*88.80*	
		For Steel Stiffened, Add	*177.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0098	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	876.95	78.00
		For 14 Gauge, Level 4 Maximum Duty, Add	*288.38*	
		For Galvanized Steel Door, Add	*144.19*	
		For Type 304 Stainless Steel Door, Add	*576.77*	
		For Type 316 Stainless Steel Door, Add	*937.25*	
		For Embossed Panel Door, Add	*173.03*	
		For Baked Enamel Finish, Add	*239.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.75*	
		For >100, Deduct	*-69.67*	
		For 2" Thick Door, Add	*56.17*	
		For Polystyrene Core, Add	*72.10*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*180.24*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*90.12*	
		For Steel Stiffened, Add	*180.24*	
08 13 13 13-0099	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	884.59	79.69
		For 14 Gauge, Level 4 Maximum Duty, Add	*290.08*	
		For Galvanized Steel Door, Add	*145.04*	
		For Type 304 Stainless Steel Door, Add	*580.17*	
		For Type 316 Stainless Steel Door, Add	*942.77*	
		For Embossed Panel Door, Add	*174.05*	
		For Baked Enamel Finish, Add	*241.47*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-48.21*	
		For >100, Deduct	*-70.33*	
		For 2" Thick Door, Add	*56.56*	
		For Polystyrene Core, Add	*72.52*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*181.30*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*90.65*	
		For Steel Stiffened, Add	*181.30*	
08 13 13 13-0100	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	892.21	81.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*291.78*	
		For Galvanized Steel Door, Add	*145.89*	
		For Type 304 Stainless Steel Door, Add	*583.55*	
		For Type 316 Stainless Steel Door, Add	*948.27*	
		For Embossed Panel Door, Add	*175.07*	
		For Baked Enamel Finish, Add	*243.25*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-48.68*	
		For >100, Deduct	*-70.99*	
		For 2" Thick Door, Add	*56.95*	
		For Polystyrene Core, Add	*72.94*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*182.36*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*91.18*	
		For Steel Stiffened, Add	*182.36*	
08 13 13 13-0101	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	947.34	81.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*313.83*	
		For Galvanized Steel Door, Add	*156.91*	
		For Type 304 Stainless Steel Door, Add	*627.66*	
		For Type 316 Stainless Steel Door, Add	*1,019.94*	
		For Embossed Panel Door, Add	*188.30*	
		For Baked Enamel Finish, Add	*259.79*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.44*	
		For >100, Deduct	*-75.12*	
		For 2" Thick Door, Add	*60.95*	
		For Polystyrene Core, Add	*78.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*196.14*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*98.07*	
		For Steel Stiffened, Add	*196.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0102	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	975.34	84.78
		For 14 Gauge, Level 4 Maximum Duty, Add	*322.31*	
		For Galvanized Steel Door, Add	*161.16*	
		For Type 304 Stainless Steel Door, Add	*644.62*	
		For Type 316 Stainless Steel Door, Add	*1,047.51*	
		For Embossed Panel Door, Add	*193.39*	
		For Baked Enamel Finish, Add	*267.17*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-53.01*	
		For >100, Deduct	*-77.39*	
		For 2" Thick Door, Add	*62.66*	
		For Polystyrene Core, Add	*80.58*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*201.45*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*100.72*	
		For Steel Stiffened, Add	*201.45*	
08 13 13 13-0103	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,073.73	91.56
		For 14 Gauge, Level 4 Maximum Duty, Add	*356.24*	
		For Galvanized Steel Door, Add	*178.12*	
		For Type 304 Stainless Steel Door, Add	*712.48*	
		For Type 316 Stainless Steel Door, Add	*1,157.78*	
		For Embossed Panel Door, Add	*213.74*	
		For Baked Enamel Finish, Add	*294.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-58.26*	
		For >100, Deduct	*-85.11*	
		For 2" Thick Door, Add	*69.15*	
		For Polystyrene Core, Add	*89.06*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*222.65*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*111.33*	
		For Steel Stiffened, Add	*222.65*	

08 13 13 13-0104 8' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

08 13 13 13-0105	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	975.44	74.60
		For Up To 1' Extra Height, Add	*228.62*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*330.49*	
		For Galvanized Steel Door, Add	*165.24*	
		For Type 304 Stainless Steel Door, Add	*660.98*	
		For Type 316 Stainless Steel Door, Add	*1,074.09*	
		For Embossed Panel Door, Add	*198.29*	
		For Baked Enamel Finish, Add	*270.25*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.50*	
		For >100, Deduct	*-76.89*	
		For 2" Thick Door, Add	*63.63*	
		For Polystyrene Core, Add	*82.62*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*206.56*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*103.28*	
		For Steel Stiffened, Add	*206.56*	
08 13 13 13-0106	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	975.44	74.60
		For Up To 1' Extra Height, Add	*228.62*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*330.49*	
		For Galvanized Steel Door, Add	*165.24*	
		For Type 304 Stainless Steel Door, Add	*660.98*	
		For Type 316 Stainless Steel Door, Add	*1,074.09*	
		For Embossed Panel Door, Add	*198.29*	
		For Baked Enamel Finish, Add	*270.25*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.50*	
		For >100, Deduct	*-76.89*	
		For 2" Thick Door, Add	*63.63*	
		For Polystyrene Core, Add	*82.62*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*206.56*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*103.28*	
		For Steel Stiffened, Add	*206.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0107	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	999.11	78.00
		For Up To 1' Extra Height, Add	*233.29*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*337.25*	
		For Galvanized Steel Door, Add	*168.62*	
		For Type 304 Stainless Steel Door, Add	*674.50*	
		For Type 316 Stainless Steel Door, Add	*1,096.06*	
		For Embossed Panel Door, Add	*202.35*	
		For Baked Enamel Finish, Add	*276.33*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-53.86*	
		For >100, Deduct	*-78.83*	
		For 2" Thick Door, Add	*65.03*	
		For Polystyrene Core, Add	*84.31*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*210.78*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*105.39*	
		For Steel Stiffened, Add	*210.78*	
08 13 13 13-0108	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,011.70	78.00
		For Up To 1' Extra Height, Add	*236.77*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*342.28*	
		For Galvanized Steel Door, Add	*171.14*	
		For Type 304 Stainless Steel Door, Add	*684.57*	
		For Type 316 Stainless Steel Door, Add	*1,112.42*	
		For Embossed Panel Door, Add	*205.37*	
		For Baked Enamel Finish, Add	*280.11*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-54.48*	
		For >100, Deduct	*-79.78*	
		For 2" Thick Door, Add	*65.94*	
		For Polystyrene Core, Add	*85.57*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*213.93*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*106.96*	
		For Steel Stiffened, Add	*213.93*	
08 13 13 13-0109	EA	2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,020.11	79.69
		For Up To 1' Extra Height, Add	*238.16*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*344.29*	
		For Galvanized Steel Door, Add	*172.15*	
		For Type 304 Stainless Steel Door, Add	*688.58*	
		For Type 316 Stainless Steel Door, Add	*1,118.95*	
		For Embossed Panel Door, Add	*206.58*	
		For Baked Enamel Finish, Add	*282.13*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-54.99*	
		For >100, Deduct	*-80.49*	
		For 2" Thick Door, Add	*66.39*	
		For Polystyrene Core, Add	*86.07*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*215.18*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*107.59*	
		For Steel Stiffened, Add	*215.18*	
08 13 13 13-0110	EA	3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,028.54	81.39
		For Up To 1' Extra Height, Add	*239.56*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*346.31*	
		For Galvanized Steel Door, Add	*173.15*	
		For Type 304 Stainless Steel Door, Add	*692.62*	
		For Type 316 Stainless Steel Door, Add	*1,125.50*	
		For Embossed Panel Door, Add	*207.78*	
		For Baked Enamel Finish, Add	*284.15*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-55.50*	
		For >100, Deduct	*-81.21*	
		For 2" Thick Door, Add	*66.84*	
		For Polystyrene Core, Add	*86.58*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*216.44*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*108.22*	
		For Steel Stiffened, Add	*216.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0111	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,093.97	81.39
		For Up To 1' Extra Height, Add	*257.66*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*372.48*	
		For Galvanized Steel Door, Add	*186.24*	
		For Type 304 Stainless Steel Door, Add	*744.96*	
		For Type 316 Stainless Steel Door, Add	*1,210.56*	
		For Embossed Panel Door, Add	*223.49*	
		For Baked Enamel Finish, Add	*303.78*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-58.77*	
		For >100, Deduct	*-86.12*	
		For 2" Thick Door, Add	*71.58*	
		For Polystyrene Core, Add	*93.12*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*232.80*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*116.40*	
		For Steel Stiffened, Add	*232.80*	
08 13 13 13-0112	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,125.94	84.78
		For Up To 1' Extra Height, Add	*264.63*	
		For 1' To 1'-6" Extra Height, Add	*504.87*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*382.55*	
		For Galvanized Steel Door, Add	*191.28*	
		For Type 304 Stainless Steel Door, Add	*765.10*	
		For Type 316 Stainless Steel Door, Add	*1,243.29*	
		For Embossed Panel Door, Add	*229.53*	
		For Baked Enamel Finish, Add	*312.35*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-60.54*	
		For >100, Deduct	*-88.68*	
		For 2" Thick Door, Add	*73.58*	
		For Polystyrene Core, Add	*95.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*239.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*119.55*	
		For Steel Stiffened, Add	*239.10*	
08 13 13 13-0113	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,240.17	91.56
		For Up To 1' Extra Height, Add	*292.48*	
		For 1' To 1'-6" Extra Height, Add	*558.01*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*422.82*	
		For Galvanized Steel Door, Add	*211.41*	
		For Type 304 Stainless Steel Door, Add	*845.63*	
		For Type 316 Stainless Steel Door, Add	*1,374.15*	
		For Embossed Panel Door, Add	*253.69*	
		For Baked Enamel Finish, Add	*344.58*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-66.59*	
		For >100, Deduct	*-97.59*	
		For 2" Thick Door, Add	*81.21*	
		For Polystyrene Core, Add	*105.70*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*264.26*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*132.13*	
		For Steel Stiffened, Add	*264.26*	

08 13 13 53 Custom Hollow Metal Doors *(08 13 13)*

08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door *(08 13 13 53)*

08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,812.04	169.56
		For 16 Gauge Door, Add	*20.30*	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,903.23	203.47
		For 16 Gauge Door, Add	*20.30*	

08 13 73 Sliding Metal Doors *(08 13)*

08 13 73 00-0001 Sliding Bypass Mirror Doors *(08 13 73)*

Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.

08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	787.38	101.74
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	902.50	108.52
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	1,017.61	115.30
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	1,234.27	122.08

08 14 Wood Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors *(08 14)*

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0002		**Birch Faced Wood Door** *(08 14 16 00-0001)*		
08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	276.31	74.60
		For >50 To 100, Deduct	*-17.55*	
		For >100, Deduct	*-24.45*	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	276.31	74.60
		For >50 To 100, Deduct	*-17.55*	
		For >100, Deduct	*-24.45*	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	292.09	78.00
		For >50 To 100, Deduct	*-18.50*	
		For >100, Deduct	*-25.81*	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	298.72	78.00
		For >50 To 100, Deduct	*-18.84*	
		For >100, Deduct	*-26.30*	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	300.27	78.00
		For >50 To 100, Deduct	*-18.91*	
		For >100, Deduct	*-26.42*	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	307.83	81.39
		For >50 To 100, Deduct	*-19.46*	
		For >100, Deduct	*-27.16*	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	322.00	81.39
		For >50 To 100, Deduct	*-20.17*	
		For >100, Deduct	*-28.22*	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	338.98	84.78
		For >50 To 100, Deduct	*-21.19*	
		For >100, Deduct	*-29.66*	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	283.72	74.60
		For >50 To 100, Deduct	*-17.92*	
		For >100, Deduct	*-25.01*	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	283.72	74.60
		For >50 To 100, Deduct	*-17.92*	
		For >100, Deduct	*-25.01*	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	300.02	78.00
		For >50 To 100, Deduct	*-18.90*	
		For >100, Deduct	*-26.40*	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	307.03	78.00
		For >50 To 100, Deduct	*-19.25*	
		For >100, Deduct	*-26.93*	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	308.67	78.00
		For >50 To 100, Deduct	*-19.33*	
		For >100, Deduct	*-27.05*	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	316.27	81.39
		For >50 To 100, Deduct	*-19.88*	
		For >100, Deduct	*-27.79*	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	331.26	81.39
		For >50 To 100, Deduct	*-20.63*	
		For >100, Deduct	*-28.91*	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	348.83	84.78
		For >50 To 100, Deduct	*-21.68*	
		For >100, Deduct	*-30.40*	
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	309.94	74.60
		For >50 To 100, Deduct	*-19.23*	
		For >100, Deduct	*-26.98*	
		For 9' Door Height, Add	*33.75*	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	309.94	74.60
		For >50 To 100, Deduct	*-19.23*	
		For >100, Deduct	*-26.98*	
		For 9' Door Height, Add	*33.75*	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	328.12	78.00
		For >50 To 100, Deduct	*-20.31*	
		For >100, Deduct	*-28.51*	
		For 9' Door Height, Add	*36.15*	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	336.47	78.00
		For >50 To 100, Deduct	*-20.72*	
		For >100, Deduct	*-29.14*	
		For 9' Door Height, Add	*37.90*	
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	338.44	78.00
		For >50 To 100, Deduct	*-20.82*	
		For >100, Deduct	*-29.28*	
		For 9' Door Height, Add	*38.31*	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	346.20	81.39
		For >50 To 100, Deduct	*-21.38*	
		For >100, Deduct	*-30.03*	
		For 9' Door Height, Add	*38.52*	
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	364.12	81.39
		For >50 To 100, Deduct	*-22.28*	
		For >100, Deduct	*-31.38*	
		For 9' Door Height, Add	*42.28*	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	383.78	84.78
		For >50 To 100, Deduct	*-23.43*	
		For >100, Deduct	*-33.02*	
		For 9' Door Height, Add	*44.99*	
08 14 16 00-0027		**Oak Faced Wood Door** *(08 14 16 00-0001)*		
08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	406.66	74.60
		For >50 To 100, Deduct	*-24.06*	
		For >100, Deduct	*-34.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	406.66	74.60
		For >50 To 100, Deduct	*-24.06*	
		For >100, Deduct	*-34.23*	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	431.67	78.00
		For >50 To 100, Deduct	*-25.48*	
		For >100, Deduct	*-36.28*	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	445.10	78.00
		For >50 To 100, Deduct	*-26.15*	
		For >100, Deduct	*-37.28*	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	447.46	78.00
		For >50 To 100, Deduct	*-26.27*	
		For >100, Deduct	*-37.46*	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	456.61	81.39
		For >50 To 100, Deduct	*-26.90*	
		For >100, Deduct	*-38.32*	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	485.26	81.39
		For >50 To 100, Deduct	*-28.33*	
		For >100, Deduct	*-40.46*	
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	512.71	84.78
		For >50 To 100, Deduct	*-29.87*	
		For >100, Deduct	*-42.69*	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	421.63	74.60
		For >50 To 100, Deduct	*-24.81*	
		For >100, Deduct	*-35.35*	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	421.63	74.60
		For >50 To 100, Deduct	*-24.81*	
		For >100, Deduct	*-35.35*	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	447.72	78.00
		For >50 To 100, Deduct	*-26.29*	
		For >100, Deduct	*-37.48*	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	461.92	78.00
		For >50 To 100, Deduct	*-27.00*	
		For >100, Deduct	*-38.54*	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	464.41	78.00
		For >50 To 100, Deduct	*-27.12*	
		For >100, Deduct	*-38.73*	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	473.69	81.39
		For >50 To 100, Deduct	*-27.75*	
		For >100, Deduct	*-39.60*	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	504.03	81.39
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-41.87*	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	532.67	84.78
		For >50 To 100, Deduct	*-30.87*	
		For >100, Deduct	*-44.19*	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	474.77	74.60
		For >50 To 100, Deduct	*-27.47*	
		For >100, Deduct	*-39.34*	
		For 9' Door Height, Add	*68.37*	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	474.77	74.60
		For >50 To 100, Deduct	*-27.47*	
		For >100, Deduct	*-39.34*	
		For 9' Door Height, Add	*68.37*	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	504.60	78.00
		For >50 To 100, Deduct	*-29.13*	
		For >100, Deduct	*-41.74*	
		For 9' Door Height, Add	*73.21*	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	521.56	78.00
		For >50 To 100, Deduct	*-29.98*	
		For >100, Deduct	*-43.02*	
		For 9' Door Height, Add	*76.77*	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	524.57	78.00
		For >50 To 100, Deduct	*-30.13*	
		For >100, Deduct	*-43.24*	
		For 9' Door Height, Add	*77.40*	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	534.32	81.39
		For >50 To 100, Deduct	*-30.79*	
		For >100, Deduct	*-44.14*	
		For 9' Door Height, Add	*78.03*	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	570.59	81.39
		For >50 To 100, Deduct	*-32.60*	
		For >100, Deduct	*-46.86*	
		For 9' Door Height, Add	*85.64*	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	603.50	84.78
		For >50 To 100, Deduct	*-34.41*	
		For >100, Deduct	*-49.50*	
		For 9' Door Height, Add	*91.13*	

08 14 16 00-0052 Maple Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	337.87	74.60
		For >50 To 100, Deduct	*-20.62*	
		For >100, Deduct	*-29.07*	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	337.87	74.60
		For >50 To 100, Deduct	*-20.62*	
		For >100, Deduct	*-29.07*	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	357.99	78.00
		For >50 To 100, Deduct	*-21.80*	
		For >100, Deduct	*-30.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	367.85	78.00
		For >50 To 100, Deduct	*-22.29*	
		For >100, Deduct	*-31.49*	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	369.58	78.00
		For >50 To 100, Deduct	*-22.38*	
		For >100, Deduct	*-31.62*	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	378.09	81.39
		For >50 To 100, Deduct	*-22.97*	
		For >100, Deduct	*-32.43*	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	399.09	81.39
		For >50 To 100, Deduct	*-24.02*	
		For >100, Deduct	*-34.00*	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	421.01	84.78
		For >50 To 100, Deduct	*-25.29*	
		For >100, Deduct	*-35.81*	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	348.83	74.60
		For >50 To 100, Deduct	*-21.17*	
		For >100, Deduct	*-29.89*	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	348.83	74.60
		For >50 To 100, Deduct	*-21.17*	
		For >100, Deduct	*-29.89*	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	369.76	78.00
		For >50 To 100, Deduct	*-22.39*	
		For >100, Deduct	*-31.63*	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	380.17	78.00
		For >50 To 100, Deduct	*-22.91*	
		For >100, Deduct	*-32.41*	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	382.01	78.00
		For >50 To 100, Deduct	*-23.00*	
		For >100, Deduct	*-32.55*	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	390.60	81.39
		For >50 To 100, Deduct	*-23.60*	
		For >100, Deduct	*-33.36*	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	412.83	81.39
		For >50 To 100, Deduct	*-24.71*	
		For >100, Deduct	*-35.03*	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	435.65	84.78
		For >50 To 100, Deduct	*-26.02*	
		For >100, Deduct	*-36.91*	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.77	74.60
		For >50 To 100, Deduct	*-23.12*	
		For >100, Deduct	*-32.81*	
		For 9' Door Height, Add	*50.10*	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.77	74.60
		For >50 To 100, Deduct	*-23.12*	
		For >100, Deduct	*-32.81*	
		For 9' Door Height, Add	*50.10*	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	411.44	78.00
		For >50 To 100, Deduct	*-24.47*	
		For >100, Deduct	*-34.76*	
		For 9' Door Height, Add	*53.64*	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	423.86	78.00
		For >50 To 100, Deduct	*-25.09*	
		For >100, Deduct	*-35.69*	
		For 9' Door Height, Add	*56.25*	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	426.07	78.00
		For >50 To 100, Deduct	*-25.20*	
		For >100, Deduct	*-35.86*	
		For 9' Door Height, Add	*56.72*	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	435.03	81.39
		For >50 To 100, Deduct	*-25.82*	
		For >100, Deduct	*-36.70*	
		For 9' Door Height, Add	*57.17*	
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	461.62	81.39
		For >50 To 100, Deduct	*-27.15*	
		For >100, Deduct	*-38.69*	
		For 9' Door Height, Add	*62.76*	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	487.54	84.78
		For >50 To 100, Deduct	*-28.62*	
		For >100, Deduct	*-40.80*	
		For 9' Door Height, Add	*66.78*	

08 14 16 00-0077 Lauan Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	240.60	74.60
		For >50 To 100, Deduct	*-15.76*	
		For >100, Deduct	*-21.78*	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	240.60	74.60
		For >50 To 100, Deduct	*-15.76*	
		For >100, Deduct	*-21.78*	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	253.56	78.00
		For >50 To 100, Deduct	*-16.58*	
		For >100, Deduct	*-22.92*	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	258.79	78.00
		For >50 To 100, Deduct	*-16.84*	
		For >100, Deduct	*-23.31*	
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	260.63	78.00
		For >50 To 100, Deduct	*-16.93*	
		For >100, Deduct	*-23.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	269.26	81.39
		For >50 To 100, Deduct	*-17.53*	
		For >100, Deduct	*-24.26*	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	279.44	81.39
		For >50 To 100, Deduct	*-18.04*	
		For >100, Deduct	*-25.03*	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	293.71	84.78
		For >50 To 100, Deduct	*-18.92*	
		For >100, Deduct	*-26.27*	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	245.91	74.60
		For >50 To 100, Deduct	*-16.03*	
		For >100, Deduct	*-22.17*	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	249.77	74.60
		For >50 To 100, Deduct	*-16.22*	
		For >100, Deduct	*-22.46*	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	259.24	78.00
		For >50 To 100, Deduct	*-16.86*	
		For >100, Deduct	*-23.34*	
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.77	78.00
		For >50 To 100, Deduct	*-17.14*	
		For >100, Deduct	*-23.76*	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	271.15	78.00
		For >50 To 100, Deduct	*-17.46*	
		For >100, Deduct	*-24.24*	
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	275.45	81.39
		For >50 To 100, Deduct	*-17.84*	
		For >100, Deduct	*-24.73*	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	286.23	81.39
		For >50 To 100, Deduct	*-18.38*	
		For >100, Deduct	*-25.54*	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	306.18	84.78
		For >50 To 100, Deduct	*-19.55*	
		For >100, Deduct	*-27.20*	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.78	74.60
		For >50 To 100, Deduct	*-16.97*	
		For >100, Deduct	*-23.59*	
		For 9' Door Height, Add	*24.27*	
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.75	74.60
		For >50 To 100, Deduct	*-16.97*	
		For >100, Deduct	*-23.59*	
		For 9' Door Height, Add	*24.26*	
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	279.38	78.00
		For >50 To 100, Deduct	*-17.87*	
		For >100, Deduct	*-24.85*	
		For 9' Door Height, Add	*25.91*	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	285.97	78.00
		For >50 To 100, Deduct	*-18.20*	
		For >100, Deduct	*-25.35*	
		For 9' Door Height, Add	*27.30*	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	288.32	78.00
		For >50 To 100, Deduct	*-18.32*	
		For >100, Deduct	*-25.52*	
		For 9' Door Height, Add	*27.79*	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	297.43	81.39
		For >50 To 100, Deduct	*-18.94*	
		For >100, Deduct	*-26.38*	
		For 9' Door Height, Add	*28.28*	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	310.31	81.39
		For >50 To 100, Deduct	*-19.58*	
		For >100, Deduct	*-27.34*	
		For 9' Door Height, Add	*30.98*	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	326.53	84.78
		For >50 To 100, Deduct	*-20.57*	
		For >100, Deduct	*-28.73*	
		For 9' Door Height, Add	*32.96*	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	265.43	74.60
		For >50 To 100, Deduct	*-17.00*	
		For >100, Deduct	*-23.64*	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	265.43	74.60
		For >50 To 100, Deduct	*-17.00*	
		For >100, Deduct	*-23.64*	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	280.67	78.00
		For >50 To 100, Deduct	*-17.93*	
		For >100, Deduct	*-24.95*	
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	284.68	78.00
		For >50 To 100, Deduct	*-18.13*	
		For >100, Deduct	*-25.25*	
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	288.71	78.00
		For >50 To 100, Deduct	*-18.34*	
		For >100, Deduct	*-25.55*	
08 14 16 00-0108	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	299.49	81.39
		For >50 To 100, Deduct	*-19.04*	
		For >100, Deduct	*-26.53*	
08 14 16 00-0109	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	314.54	81.39
		For >50 To 100, Deduct	*-19.80*	
		For >100, Deduct	*-27.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0110	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	331.03	84.78
		For >50 To 100, Deduct	*-20.79*	
		For >100, Deduct	*-29.07*	
08 14 16 00-0111	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	272.18	74.60
		For >50 To 100, Deduct	*-17.34*	
		For >100, Deduct	*-24.14*	
08 14 16 00-0112	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	272.18	74.60
		For >50 To 100, Deduct	*-17.34*	
		For >100, Deduct	*-24.14*	
08 14 16 00-0113	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	287.92	78.00
		For >50 To 100, Deduct	*-18.30*	
		For >100, Deduct	*-25.49*	
08 14 16 00-0114	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	292.17	78.00
		For >50 To 100, Deduct	*-18.51*	
		For >100, Deduct	*-25.81*	
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	296.44	78.00
		For >50 To 100, Deduct	*-18.72*	
		For >100, Deduct	*-26.13*	
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	307.46	81.39
		For >50 To 100, Deduct	*-19.44*	
		For >100, Deduct	*-27.13*	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	323.38	81.39
		For >50 To 100, Deduct	*-20.24*	
		For >100, Deduct	*-28.32*	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	340.43	84.78
		For >50 To 100, Deduct	*-21.26*	
		For >100, Deduct	*-29.77*	
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	296.14	74.60
		For >50 To 100, Deduct	*-18.54*	
		For >100, Deduct	*-25.94*	
		For 9' Door Height, Add	*30.85*	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	296.17	74.60
		For >50 To 100, Deduct	*-18.54*	
		For >100, Deduct	*-25.94*	
		For 9' Door Height, Add	*30.86*	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	313.64	78.00
		For >50 To 100, Deduct	*-19.58*	
		For >100, Deduct	*-27.42*	
		For 9' Door Height, Add	*33.11*	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	318.74	78.00
		For >50 To 100, Deduct	*-19.84*	
		For >100, Deduct	*-27.81*	
		For 9' Door Height, Add	*34.18*	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	323.84	78.00
		For >50 To 100, Deduct	*-20.09*	
		For >100, Deduct	*-28.19*	
		For 9' Door Height, Add	*35.25*	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	335.69	81.39
		For >50 To 100, Deduct	*-20.85*	
		For >100, Deduct	*-29.25*	
		For 9' Door Height, Add	*36.31*	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	354.70	81.39
		For >50 To 100, Deduct	*-21.80*	
		For >100, Deduct	*-30.67*	
		For 9' Door Height, Add	*40.31*	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	373.76	84.78
		For >50 To 100, Deduct	*-22.93*	
		For >100, Deduct	*-32.27*	
		For 9' Door Height, Add	*42.88*	

08 14 16 00-0127 1-3/4" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0128 Birch Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	308.08	74.60
		For >50 To 100, Deduct	*-19.13*	
		For >100, Deduct	*-26.84*	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	308.08	74.60
		For >50 To 100, Deduct	*-19.13*	
		For >100, Deduct	*-26.84*	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	320.84	78.00
		For >50 To 100, Deduct	*-19.94*	
		For >100, Deduct	*-27.96*	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	323.07	78.00
		For >50 To 100, Deduct	*-20.05*	
		For >100, Deduct	*-28.13*	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	327.96	78.00
		For >50 To 100, Deduct	*-20.30*	
		For >100, Deduct	*-28.50*	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	339.63	81.39
		For >50 To 100, Deduct	*-21.05*	
		For >100, Deduct	*-29.54*	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	365.56	81.39
		For >50 To 100, Deduct	*-22.35*	
		For >100, Deduct	*-31.49*	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	424.98	84.78
		For >50 To 100, Deduct	*-25.49*	
		For >100, Deduct	*-36.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	437.75	84.78
		For >50 To 100, Deduct	*-26.13*	
		For >100, Deduct	*-37.07*	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	463.29	84.78
		For >50 To 100, Deduct	*-27.40*	
		For >100, Deduct	*-38.99*	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	317.34	74.60
		For >50 To 100, Deduct	*-19.60*	
		For >100, Deduct	*-27.53*	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	317.33	74.60
		For >50 To 100, Deduct	*-19.60*	
		For >100, Deduct	*-27.53*	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	330.43	78.00
		For >50 To 100, Deduct	*-20.42*	
		For >100, Deduct	*-28.68*	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	332.80	78.00
		For >50 To 100, Deduct	*-20.54*	
		For >100, Deduct	*-28.86*	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	337.97	78.00
		For >50 To 100, Deduct	*-20.80*	
		For >100, Deduct	*-29.25*	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	349.91	81.39
		For >50 To 100, Deduct	*-21.56*	
		For >100, Deduct	*-30.31*	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	377.36	81.39
		For >50 To 100, Deduct	*-22.94*	
		For >100, Deduct	*-32.37*	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	439.86	84.78
		For >50 To 100, Deduct	*-26.23*	
		For >100, Deduct	*-37.23*	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	453.36	84.78
		For >50 To 100, Deduct	*-26.91*	
		For >100, Deduct	*-38.24*	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	480.39	84.78
		For >50 To 100, Deduct	*-28.26*	
		For >100, Deduct	*-40.27*	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	350.12	74.60
		For >50 To 100, Deduct	*-21.24*	
		For >100, Deduct	*-29.99*	
		For 9' Door Height, Add	*42.19*	
08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	350.12	74.60
		For >50 To 100, Deduct	*-21.24*	
		For >100, Deduct	*-29.99*	
		For 9' Door Height, Add	*42.19*	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	364.46	78.00
		For >50 To 100, Deduct	*-22.12*	
		For >100, Deduct	*-31.23*	
		For 9' Door Height, Add	*43.78*	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	367.27	78.00
		For >50 To 100, Deduct	*-22.26*	
		For >100, Deduct	*-31.45*	
		For 9' Door Height, Add	*44.37*	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	373.47	78.00
		For >50 To 100, Deduct	*-22.57*	
		For >100, Deduct	*-31.91*	
		For 9' Door Height, Add	*45.67*	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	386.40	81.39
		For >50 To 100, Deduct	*-23.39*	
		For >100, Deduct	*-33.05*	
		For 9' Door Height, Add	*46.96*	
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	419.21	81.39
		For >50 To 100, Deduct	*-25.03*	
		For >100, Deduct	*-35.51*	
		For 9' Door Height, Add	*53.85*	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	492.56	84.78
		For >50 To 100, Deduct	*-28.87*	
		For >100, Deduct	*-41.18*	
		For 9' Door Height, Add	*67.83*	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	508.69	84.78
		For >50 To 100, Deduct	*-29.67*	
		For >100, Deduct	*-42.39*	
		For 9' Door Height, Add	*71.22*	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	541.01	84.78
		For >50 To 100, Deduct	*-31.29*	
		For >100, Deduct	*-44.81*	
		For 9' Door Height, Add	*78.00*	

08 14 16 00-0159 Oak Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	491.55	74.60
		For >50 To 100, Deduct	*-28.31*	
		For >100, Deduct	*-40.60*	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	491.55	74.60
		For >50 To 100, Deduct	*-28.31*	
		For >100, Deduct	*-40.60*	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	511.19	78.00
		For >50 To 100, Deduct	*-29.46*	
		For >100, Deduct	*-42.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	516.01	78.00
		For >50 To 100, Deduct	*-29.70*	
		For >100, Deduct	*-42.60*	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	526.55	78.00
		For >50 To 100, Deduct	*-30.23*	
		For >100, Deduct	*-43.39*	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	543.83	81.39
		For >50 To 100, Deduct	*-31.26*	
		For >100, Deduct	*-44.86*	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	599.72	81.39
		For >50 To 100, Deduct	*-34.06*	
		For >100, Deduct	*-49.05*	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	719.93	84.78
		For >50 To 100, Deduct	*-40.24*	
		For >100, Deduct	*-58.23*	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	747.47	84.78
		For >50 To 100, Deduct	*-41.61*	
		For >100, Deduct	*-60.30*	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	802.54	84.78
		For >50 To 100, Deduct	*-44.37*	
		For >100, Deduct	*-64.43*	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	511.46	74.60
		For >50 To 100, Deduct	*-29.30*	
		For >100, Deduct	*-42.09*	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	511.47	74.60
		For >50 To 100, Deduct	*-29.30*	
		For >100, Deduct	*-42.09*	
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	531.86	78.00
		For >50 To 100, Deduct	*-30.49*	
		For >100, Deduct	*-43.79*	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	536.96	78.00
		For >50 To 100, Deduct	*-30.75*	
		For >100, Deduct	*-44.17*	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	548.10	78.00
		For >50 To 100, Deduct	*-31.30*	
		For >100, Deduct	*-45.01*	
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	566.00	81.39
		For >50 To 100, Deduct	*-32.37*	
		For >100, Deduct	*-46.52*	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	625.15	81.39
		For >50 To 100, Deduct	*-35.33*	
		For >100, Deduct	*-50.96*	
08 14 16 00-0177	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	751.97	84.78
		For >50 To 100, Deduct	*-41.84*	
		For >100, Deduct	*-60.64*	
08 14 16 00-0178	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	781.12	84.78
		For >50 To 100, Deduct	*-43.30*	
		For >100, Deduct	*-62.82*	
08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	839.38	84.78
		For >50 To 100, Deduct	*-46.21*	
		For >100, Deduct	*-67.19*	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	582.08	74.60
		For >50 To 100, Deduct	*-32.83*	
		For >100, Deduct	*-47.39*	
		For 9' Door Height, Add	*90.90*	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	582.12	74.60
		For >50 To 100, Deduct	*-32.84*	
		For >100, Deduct	*-47.39*	
		For 9' Door Height, Add	*90.91*	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	605.16	78.00
		For >50 To 100, Deduct	*-34.16*	
		For >100, Deduct	*-49.29*	
		For 9' Door Height, Add	*94.33*	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	611.23	78.00
		For >50 To 100, Deduct	*-34.46*	
		For >100, Deduct	*-49.74*	
		For 9' Door Height, Add	*95.60*	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	624.56	78.00
		For >50 To 100, Deduct	*-35.13*	
		For >100, Deduct	*-50.74*	
		For 9' Door Height, Add	*98.40*	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	644.64	81.39
		For >50 To 100, Deduct	*-36.30*	
		For >100, Deduct	*-52.42*	
		For 9' Door Height, Add	*101.19*	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	715.34	81.39
		For >50 To 100, Deduct	*-39.84*	
		For >100, Deduct	*-57.72*	
		For 9' Door Height, Add	*116.04*	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	865.54	84.78
		For >50 To 100, Deduct	*-47.52*	
		For >100, Deduct	*-69.15*	
		For 9' Door Height, Add	*146.16*	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	900.39	84.78
		For >50 To 100, Deduct	*-49.26*	
		For >100, Deduct	*-71.77*	
		For 9' Door Height, Add	*153.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	970.01	84.78
		For >50 To 100, Deduct	*-52.74*	
		For >100, Deduct	*-76.99*	
		For 9' Door Height, Add	*168.09*	

08 14 16 00-0190 Maple Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	400.07	74.60
		For >50 To 100, Deduct	*-23.73*	
		For >100, Deduct	*-33.74*	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	400.07	74.60
		For >50 To 100, Deduct	*-23.73*	
		For >100, Deduct	*-33.74*	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	416.27	78.00
		For >50 To 100, Deduct	*-24.71*	
		For >100, Deduct	*-35.12*	
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	419.95	78.00
		For >50 To 100, Deduct	*-24.90*	
		For >100, Deduct	*-35.40*	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	427.59	78.00
		For >50 To 100, Deduct	*-25.28*	
		For >100, Deduct	*-35.97*	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	441.99	81.39
		For >50 To 100, Deduct	*-26.17*	
		For >100, Deduct	*-37.22*	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	482.96	81.39
		For >50 To 100, Deduct	*-28.22*	
		For >100, Deduct	*-40.29*	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	552.81	84.78
		For >50 To 100, Deduct	*-31.88*	
		For >100, Deduct	*-45.70*	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	593.03	84.78
		For >50 To 100, Deduct	*-33.89*	
		For >100, Deduct	*-48.72*	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	633.39	84.78
		For >50 To 100, Deduct	*-35.91*	
		For >100, Deduct	*-51.74*	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	414.68	74.60
		For >50 To 100, Deduct	*-24.46*	
		For >100, Deduct	*-34.83*	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	414.68	74.60
		For >50 To 100, Deduct	*-24.46*	
		For >100, Deduct	*-34.83*	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	431.40	78.00
		For >50 To 100, Deduct	*-25.47*	
		For >100, Deduct	*-36.25*	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	435.32	78.00
		For >50 To 100, Deduct	*-25.67*	
		For >100, Deduct	*-36.55*	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	443.39	78.00
		For >50 To 100, Deduct	*-26.07*	
		For >100, Deduct	*-37.15*	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	458.23	81.39
		For >50 To 100, Deduct	*-26.98*	
		For >100, Deduct	*-38.44*	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	501.59	81.39
		For >50 To 100, Deduct	*-29.15*	
		For >100, Deduct	*-41.69*	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	575.01	84.78
		For >50 To 100, Deduct	*-32.99*	
		For >100, Deduct	*-47.36*	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	617.71	84.78
		For >50 To 100, Deduct	*-35.12*	
		For >100, Deduct	*-50.57*	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	660.38	84.78
		For >50 To 100, Deduct	*-37.26*	
		For >100, Deduct	*-53.77*	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	466.44	74.60
		For >50 To 100, Deduct	*-27.05*	
		For >100, Deduct	*-38.71*	
		For 9' Door Height, Add	*66.62*	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	466.44	74.60
		For >50 To 100, Deduct	*-27.05*	
		For >100, Deduct	*-38.71*	
		For 9' Door Height, Add	*66.62*	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	485.11	78.00
		For >50 To 100, Deduct	*-28.16*	
		For >100, Deduct	*-40.28*	
		For 9' Door Height, Add	*69.12*	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	489.79	78.00
		For >50 To 100, Deduct	*-28.39*	
		For >100, Deduct	*-40.63*	
		For 9' Door Height, Add	*70.10*	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	499.40	78.00
		For >50 To 100, Deduct	*-28.87*	
		For >100, Deduct	*-41.35*	
		For 9' Door Height, Add	*72.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	515.85	81.39
		For >50 To 100, Deduct	*-29.86*	
		For >100, Deduct	*-42.76*	
		For 9' Door Height, Add	*74.15*	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	567.64	81.39
		For >50 To 100, Deduct	*-32.45*	
		For >100, Deduct	*-46.64*	
		For 9' Door Height, Add	*85.02*	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	654.10	84.78
		For >50 To 100, Deduct	*-36.94*	
		For >100, Deduct	*-53.30*	
		For 9' Door Height, Add	*101.75*	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	705.10	84.78
		For >50 To 100, Deduct	*-39.49*	
		For >100, Deduct	*-57.12*	
		For 9' Door Height, Add	*112.46*	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	756.12	84.78
		For >50 To 100, Deduct	*-42.05*	
		For >100, Deduct	*-60.95*	
		For 9' Door Height, Add	*123.18*	

08 14 16 00-0221 Walnut Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	612.98	74.60
		For >50 To 100, Deduct	*-34.38*	
		For >100, Deduct	*-49.70*	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	612.98	74.60
		For >50 To 100, Deduct	*-34.38*	
		For >100, Deduct	*-49.70*	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	622.97	78.00
		For >50 To 100, Deduct	*-35.05*	
		For >100, Deduct	*-50.62*	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	643.54	78.00
		For >50 To 100, Deduct	*-36.08*	
		For >100, Deduct	*-52.17*	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	646.68	78.00
		For >50 To 100, Deduct	*-36.23*	
		For >100, Deduct	*-52.40*	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	656.60	81.39
		For >50 To 100, Deduct	*-36.90*	
		For >100, Deduct	*-53.31*	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	711.72	81.39
		For >50 To 100, Deduct	*-39.66*	
		For >100, Deduct	*-57.45*	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	860.80	84.78
		For >50 To 100, Deduct	*-47.28*	
		For >100, Deduct	*-68.80*	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	895.36	84.78
		For >50 To 100, Deduct	*-49.01*	
		For >100, Deduct	*-71.39*	
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	964.55	84.78
		For >50 To 100, Deduct	*-52.47*	
		For >100, Deduct	*-76.58*	
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	639.95	74.60
		For >50 To 100, Deduct	*-35.73*	
		For >100, Deduct	*-51.73*	
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	639.95	74.60
		For >50 To 100, Deduct	*-35.73*	
		For >100, Deduct	*-51.73*	
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	650.17	78.00
		For >50 To 100, Deduct	*-36.41*	
		For >100, Deduct	*-52.66*	
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	671.90	78.00
		For >50 To 100, Deduct	*-37.49*	
		For >100, Deduct	*-54.29*	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	675.25	78.00
		For >50 To 100, Deduct	*-37.66*	
		For >100, Deduct	*-54.54*	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	685.35	81.39
		For >50 To 100, Deduct	*-38.34*	
		For >100, Deduct	*-55.47*	
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	743.65	81.39
		For >50 To 100, Deduct	*-41.25*	
		For >100, Deduct	*-59.84*	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	901.04	84.78
		For >50 To 100, Deduct	*-49.29*	
		For >100, Deduct	*-71.82*	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	937.61	84.78
		For >50 To 100, Deduct	*-51.12*	
		For >100, Deduct	*-74.56*	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,010.80	84.78
		For >50 To 100, Deduct	*-54.78*	
		For >100, Deduct	*-80.05*	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	735.65	74.60
		For >50 To 100, Deduct	*-40.51*	
		For >100, Deduct	*-58.90*	
		For 9' Door Height, Add	*123.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	735.65	74.60
		For >50 To 100, Deduct	*-40.51*	
		For >100, Deduct	*-58.90*	
		For 9' Door Height, Add	*123.15*	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	746.55	78.00
		For >50 To 100, Deduct	*-41.23*	
		For >100, Deduct	*-59.89*	
		For 9' Door Height, Add	*124.02*	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	772.50	78.00
		For >50 To 100, Deduct	*-42.52*	
		For >100, Deduct	*-61.84*	
		For 9' Door Height, Add	*129.47*	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	776.50	78.00
		For >50 To 100, Deduct	*-42.72*	
		For >100, Deduct	*-62.14*	
		For 9' Door Height, Add	*130.31*	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	787.24	81.39
		For >50 To 100, Deduct	*-43.43*	
		For >100, Deduct	*-63.11*	
		For 9' Door Height, Add	*131.14*	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	856.94	81.39
		For >50 To 100, Deduct	*-46.92*	
		For >100, Deduct	*-68.34*	
		For 9' Door Height, Add	*145.78*	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,043.67	84.78
		For >50 To 100, Deduct	*-56.42*	
		For >100, Deduct	*-82.51*	
		For 9' Door Height, Add	*183.56*	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,087.39	84.78
		For >50 To 100, Deduct	*-58.61*	
		For >100, Deduct	*-85.79*	
		For 9' Door Height, Add	*192.74*	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,174.82	84.78
		For >50 To 100, Deduct	*-62.98*	
		For >100, Deduct	*-92.35*	
		For 9' Door Height, Add	*211.10*	

08 14 16 00-0252 Lauan Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	265.31	74.60
		For >50 To 100, Deduct	*-17.00*	
		For >100, Deduct	*-23.63*	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	265.31	74.60
		For >50 To 100, Deduct	*-17.00*	
		For >100, Deduct	*-23.63*	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	280.06	78.00
		For >50 To 100, Deduct	*-17.90*	
		For >100, Deduct	*-24.90*	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	286.55	78.00
		For >50 To 100, Deduct	*-18.23*	
		For >100, Deduct	*-25.39*	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	287.84	78.00
		For >50 To 100, Deduct	*-18.29*	
		For >100, Deduct	*-25.49*	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	295.91	81.39
		For >50 To 100, Deduct	*-18.86*	
		For >100, Deduct	*-26.26*	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	310.54	81.39
		For >50 To 100, Deduct	*-19.60*	
		For >100, Deduct	*-27.36*	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	336.20	84.78
		For >50 To 100, Deduct	*-21.05*	
		For >100, Deduct	*-29.45*	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	344.51	84.78
		For >50 To 100, Deduct	*-21.46*	
		For >100, Deduct	*-30.08*	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	361.19	84.78
		For >50 To 100, Deduct	*-22.30*	
		For >100, Deduct	*-31.33*	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	272.05	74.60
		For >50 To 100, Deduct	*-17.33*	
		For >100, Deduct	*-24.13*	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	272.05	74.60
		For >50 To 100, Deduct	*-17.33*	
		For >100, Deduct	*-24.13*	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	287.29	78.00
		For >50 To 100, Deduct	*-18.26*	
		For >100, Deduct	*-25.45*	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	294.16	78.00
		For >50 To 100, Deduct	*-18.61*	
		For >100, Deduct	*-25.96*	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	295.52	78.00
		For >50 To 100, Deduct	*-18.68*	
		For >100, Deduct	*-26.06*	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	303.65	81.39
		For >50 To 100, Deduct	*-19.25*	
		For >100, Deduct	*-26.84*	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	319.15	81.39
		For >50 To 100, Deduct	*-20.03*	
		For >100, Deduct	*-28.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	345.89	84.78
		For >50 To 100, Deduct	*-21.53*	
		For >100, Deduct	*-30.18*	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	354.69	84.78
		For >50 To 100, Deduct	*-21.97*	
		For >100, Deduct	*-30.84*	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	372.33	84.78
		For >50 To 100, Deduct	*-22.86*	
		For >100, Deduct	*-32.16*	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	296.00	74.60
		For >50 To 100, Deduct	*-18.53*	
		For >100, Deduct	*-25.93*	
		For 9' Door Height, Add	*30.82*	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	296.00	74.60
		For >50 To 100, Deduct	*-18.53*	
		For >100, Deduct	*-25.93*	
		For 9' Door Height, Add	*30.82*	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	312.88	78.00
		For >50 To 100, Deduct	*-19.54*	
		For >100, Deduct	*-27.37*	
		For 9' Door Height, Add	*32.95*	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	321.09	78.00
		For >50 To 100, Deduct	*-19.95*	
		For >100, Deduct	*-27.98*	
		For 9' Door Height, Add	*34.67*	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	322.73	78.00
		For >50 To 100, Deduct	*-20.04*	
		For >100, Deduct	*-28.10*	
		For 9' Door Height, Add	*35.02*	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	331.13	81.39
		For >50 To 100, Deduct	*-20.63*	
		For >100, Deduct	*-28.90*	
		For 9' Door Height, Add	*35.36*	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	349.65	81.39
		For >50 To 100, Deduct	*-21.55*	
		For >100, Deduct	*-30.29*	
		For 9' Door Height, Add	*39.24*	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	380.26	84.78
		For >50 To 100, Deduct	*-23.25*	
		For >100, Deduct	*-32.76*	
		For 9' Door Height, Add	*44.25*	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	390.80	84.78
		For >50 To 100, Deduct	*-23.78*	
		For >100, Deduct	*-33.55*	
		For 9' Door Height, Add	*46.46*	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	411.87	84.78
		For >50 To 100, Deduct	*-24.83*	
		For >100, Deduct	*-35.13*	
		For 9' Door Height, Add	*50.89*	

08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0284	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	293.98	74.60
		For >50 To 100, Deduct	*-18.43*	
		For >100, Deduct	*-25.78*	
08 14 16 00-0285	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	294.02	74.60
		For >50 To 100, Deduct	*-18.43*	
		For >100, Deduct	*-25.78*	
08 14 16 00-0286	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	304.79	78.00
		For >50 To 100, Deduct	*-19.14*	
		For >100, Deduct	*-26.76*	
08 14 16 00-0287	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	312.86	78.00
		For >50 To 100, Deduct	*-19.54*	
		For >100, Deduct	*-27.36*	
08 14 16 00-0288	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	316.89	78.00
		For >50 To 100, Deduct	*-19.74*	
		For >100, Deduct	*-27.67*	
08 14 16 00-0289	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	327.65	81.39
		For >50 To 100, Deduct	*-20.45*	
		For >100, Deduct	*-28.64*	
08 14 16 00-0290	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	336.84	81.39
		For >50 To 100, Deduct	*-20.91*	
		For >100, Deduct	*-29.33*	
08 14 16 00-0291	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	373.54	84.78
		For >50 To 100, Deduct	*-22.92*	
		For >100, Deduct	*-32.25*	
08 14 16 00-0292	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	383.73	84.78
		For >50 To 100, Deduct	*-23.43*	
		For >100, Deduct	*-33.02*	
08 14 16 00-0293	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	404.16	84.78
		For >50 To 100, Deduct	*-24.45*	
		For >100, Deduct	*-34.55*	
08 14 16 00-0294	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	302.42	74.60
		For >50 To 100, Deduct	*-18.85*	
		For >100, Deduct	*-26.41*	
08 14 16 00-0295	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	302.43	74.60
		For >50 To 100, Deduct	*-18.85*	
		For >100, Deduct	*-26.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0296	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	313.44	78.00
		For >50 To 100, Deduct	*-19.57*	
		For >100, Deduct	*-27.41*	
08 14 16 00-0297	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	321.98	78.00
		For >50 To 100, Deduct	*-20.00*	
		For >100, Deduct	*-28.05*	
08 14 16 00-0298	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	326.25	78.00
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-28.37*	
08 14 16 00-0299	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	337.25	81.39
		For >50 To 100, Deduct	*-20.93*	
		For >100, Deduct	*-29.36*	
08 14 16 00-0300	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	346.98	81.39
		For >50 To 100, Deduct	*-21.42*	
		For >100, Deduct	*-30.09*	
08 14 16 00-0301	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	385.42	84.78
		For >50 To 100, Deduct	*-23.51*	
		For >100, Deduct	*-33.15*	
08 14 16 00-0302	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	396.21	84.78
		For >50 To 100, Deduct	*-24.05*	
		For >100, Deduct	*-33.95*	
08 14 16 00-0303	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	417.80	84.78
		For >50 To 100, Deduct	*-25.13*	
		For >100, Deduct	*-35.57*	
08 14 16 00-0304	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	332.30	74.60
		For >50 To 100, Deduct	*-20.35*	
		For >100, Deduct	*-28.65*	
		For 9' Door Height, Add	*38.45*	
08 14 16 00-0305	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	332.30	74.60
		For >50 To 100, Deduct	*-20.35*	
		For >100, Deduct	*-28.65*	
		For 9' Door Height, Add	*38.45*	
08 14 16 00-0306	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	344.14	78.00
		For >50 To 100, Deduct	*-21.11*	
		For >100, Deduct	*-29.71*	
		For 9' Door Height, Add	*39.51*	
08 14 16 00-0307	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	354.34	78.00
		For >50 To 100, Deduct	*-21.62*	
		For >100, Deduct	*-30.48*	
		For 9' Door Height, Add	*41.65*	
08 14 16 00-0308	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	359.44	78.00
		For >50 To 100, Deduct	*-21.87*	
		For >100, Deduct	*-30.86*	
		For 9' Door Height, Add	*42.72*	
08 14 16 00-0309	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	371.28	81.39
		For >50 To 100, Deduct	*-22.63*	
		For >100, Deduct	*-31.92*	
		For 9' Door Height, Add	*43.79*	
08 14 16 00-0310	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	382.92	81.39
		For >50 To 100, Deduct	*-23.22*	
		For >100, Deduct	*-32.79*	
		For 9' Door Height, Add	*46.23*	
08 14 16 00-0311	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	427.53	84.78
		For >50 To 100, Deduct	*-25.62*	
		For >100, Deduct	*-36.30*	
		For 9' Door Height, Add	*54.17*	
08 14 16 00-0312	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	440.41	84.78
		For >50 To 100, Deduct	*-26.26*	
		For >100, Deduct	*-37.27*	
		For 9' Door Height, Add	*56.88*	
08 14 16 00-0313	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	466.22	84.78
		For >50 To 100, Deduct	*-27.55*	
		For >100, Deduct	*-39.21*	
		For 9' Door Height, Add	*62.30*	

08 14 16 00-0314 1-3/8" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0315 Birch Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0316	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	317.18	74.60
		For 7 Ply Cold Press Construction, Deduct	*-3.36*	
		For Stave Lumber Core (SLC), Add	*125.97*	
		For Structural Composite Lumber Core (SCLC), Add	*75.58*	
		For >50 To 100, Deduct	*-19.59*	
		For >100, Deduct	*-27.52*	
08 14 16 00-0317	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	317.21	74.60
		For 7 Ply Cold Press Construction, Deduct	*-3.36*	
		For Stave Lumber Core (SLC), Add	*125.99*	
		For Structural Composite Lumber Core (SCLC), Add	*75.60*	
		For >50 To 100, Deduct	*-19.59*	
		For >100, Deduct	*-27.52*	
08 14 16 00-0318	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	332.79	78.00
		For 7 Ply Cold Press Construction, Deduct	*-3.54*	
		For Stave Lumber Core (SLC), Add	*132.60*	
		For Structural Composite Lumber Core (SCLC), Add	*79.56*	
		For >50 To 100, Deduct	*-20.54*	
		For >100, Deduct	*-28.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0319	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	341.60	78.00
		For 7 Ply Cold Press Construction, Deduct	*-3.71*	
		For Stave Lumber Core (SLC), Add	*139.21*	
		For Structural Composite Lumber Core (SCLC), Add	*83.52*	
		For >50 To 100, Deduct	*-20.98*	
		For >100, Deduct	*-29.52*	
08 14 16 00-0320	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	346.97	78.00
		For 7 Ply Cold Press Construction, Deduct	*-3.82*	
		For Stave Lumber Core (SLC), Add	*143.24*	
		For Structural Composite Lumber Core (SCLC), Add	*85.94*	
		For >50 To 100, Deduct	*-21.25*	
		For >100, Deduct	*-29.92*	
08 14 16 00-0321	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	359.15	81.39
		For 7 Ply Cold Press Construction, Deduct	*-3.93*	
		For Stave Lumber Core (SLC), Add	*147.29*	
		For Structural Composite Lumber Core (SCLC), Add	*88.37*	
		For >50 To 100, Deduct	*-22.03*	
		For >100, Deduct	*-31.01*	
08 14 16 00-0322	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	380.69	81.39
		For 7 Ply Cold Press Construction, Deduct	*-4.36*	
		For Stave Lumber Core (SLC), Add	*163.44*	
		For Structural Composite Lumber Core (SCLC), Add	*98.06*	
		For >50 To 100, Deduct	*-23.10*	
		For >100, Deduct	*-32.62*	
08 14 16 00-0323	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	401.42	84.78
		For 7 Ply Cold Press Construction, Deduct	*-4.64*	
		For Stave Lumber Core (SLC), Add	*173.90*	
		For Structural Composite Lumber Core (SCLC), Add	*104.34*	
		For >50 To 100, Deduct	*-24.31*	
		For >100, Deduct	*-34.35*	
08 14 16 00-0324	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	326.96	74.60
		For 7 Ply Cold Press Construction, Deduct	*-3.55*	
		For Stave Lumber Core (SLC), Add	*133.31*	
		For Structural Composite Lumber Core (SCLC), Add	*79.98*	
		For >50 To 100, Deduct	*-20.08*	
		For >100, Deduct	*-28.25*	
08 14 16 00-0325	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	326.97	74.60
		For 7 Ply Cold Press Construction, Deduct	*-3.56*	
		For Stave Lumber Core (SLC), Add	*133.31*	
		For Structural Composite Lumber Core (SCLC), Add	*79.99*	
		For >50 To 100, Deduct	*-20.08*	
		For >100, Deduct	*-28.25*	
08 14 16 00-0326	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	343.08	78.00
		For 7 Ply Cold Press Construction, Deduct	*-3.74*	
		For Stave Lumber Core (SLC), Add	*140.32*	
		For Structural Composite Lumber Core (SCLC), Add	*84.19*	
		For >50 To 100, Deduct	*-21.05*	
		For >100, Deduct	*-29.63*	
08 14 16 00-0327	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	352.41	78.00
		For 7 Ply Cold Press Construction, Deduct	*-3.93*	
		For Stave Lumber Core (SLC), Add	*147.32*	
		For Structural Composite Lumber Core (SCLC), Add	*88.39*	
		For >50 To 100, Deduct	*-21.52*	
		For >100, Deduct	*-30.33*	
08 14 16 00-0328	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	358.10	78.00
		For 7 Ply Cold Press Construction, Deduct	*-4.04*	
		For Stave Lumber Core (SLC), Add	*151.58*	
		For Structural Composite Lumber Core (SCLC), Add	*90.95*	
		For >50 To 100, Deduct	*-21.80*	
		For >100, Deduct	*-30.76*	
08 14 16 00-0329	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	370.57	81.39
		For 7 Ply Cold Press Construction, Deduct	*-4.16*	
		For Stave Lumber Core (SLC), Add	*155.85*	
		For Structural Composite Lumber Core (SCLC), Add	*93.51*	
		For >50 To 100, Deduct	*-22.60*	
		For >100, Deduct	*-31.86*	
08 14 16 00-0330	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	393.38	81.39
		For 7 Ply Cold Press Construction, Deduct	*-4.61*	
		For Stave Lumber Core (SLC), Add	*172.96*	
		For Structural Composite Lumber Core (SCLC), Add	*103.77*	
		For >50 To 100, Deduct	*-23.74*	
		For >100, Deduct	*-33.57*	
08 14 16 00-0331	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	414.91	84.78
		For 7 Ply Cold Press Construction, Deduct	*-4.91*	
		For Stave Lumber Core (SLC), Add	*184.01*	
		For Structural Composite Lumber Core (SCLC), Add	*110.41*	
		For >50 To 100, Deduct	*-24.98*	
		For >100, Deduct	*-35.36*	
08 14 16 00-0332	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	361.63	74.60
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.31*	
		For Structural Composite Lumber Core (SCLC), Add	*95.58*	
		For >50 To 100, Deduct	*-21.81*	
		For >100, Deduct	*-30.85*	
		For 9' Door Height, Add	*44.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0333	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	361.63	74.60
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.31*	
		For Structural Composite Lumber Core (SCLC), Add	*95.58*	
		For >50 To 100, Deduct	*-21.81*	
		For >100, Deduct	*-30.85*	
		For 9' Door Height, Add	*44.61*	
08 14 16 00-0334	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	379.56	78.00
		For 7 Ply Cold Press Construction, Deduct	*-4.47*	
		For Stave Lumber Core (SLC), Add	*167.68*	
		For Structural Composite Lumber Core (SCLC), Add	*100.61*	
		For >50 To 100, Deduct	*-22.88*	
		For >100, Deduct	*-32.37*	
		For 9' Door Height, Add	*46.95*	
08 14 16 00-0335	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	390.71	78.00
		For 7 Ply Cold Press Construction, Deduct	*-4.69*	
		For Stave Lumber Core (SLC), Add	*176.04*	
		For Structural Composite Lumber Core (SCLC), Add	*105.62*	
		For >50 To 100, Deduct	*-23.44*	
		For >100, Deduct	*-33.20*	
		For 9' Door Height, Add	*49.29*	
08 14 16 00-0336	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	397.50	78.00
		For 7 Ply Cold Press Construction, Deduct	*-4.83*	
		For Stave Lumber Core (SLC), Add	*181.13*	
		For Structural Composite Lumber Core (SCLC), Add	*108.68*	
		For >50 To 100, Deduct	*-23.77*	
		For >100, Deduct	*-33.71*	
		For 9' Door Height, Add	*50.72*	
08 14 16 00-0337	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	411.10	81.39
		For 7 Ply Cold Press Construction, Deduct	*-4.97*	
		For Stave Lumber Core (SLC), Add	*186.25*	
		For Structural Composite Lumber Core (SCLC), Add	*111.75*	
		For >50 To 100, Deduct	*-24.62*	
		For >100, Deduct	*-34.90*	
		For 9' Door Height, Add	*52.15*	
08 14 16 00-0338	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	438.34	81.39
		For 7 Ply Cold Press Construction, Deduct	*-5.51*	
		For Stave Lumber Core (SLC), Add	*206.68*	
		For Structural Composite Lumber Core (SCLC), Add	*124.01*	
		For >50 To 100, Deduct	*-25.99*	
		For >100, Deduct	*-36.94*	
		For 9' Door Height, Add	*57.87*	
08 14 16 00-0339	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	462.75	84.78
		For 7 Ply Cold Press Construction, Deduct	*-5.86*	
		For Stave Lumber Core (SLC), Add	*219.89*	
		For Structural Composite Lumber Core (SCLC), Add	*131.94*	
		For >50 To 100, Deduct	*-27.38*	
		For >100, Deduct	*-38.95*	
		For 9' Door Height, Add	*61.57*	

08 14 16 00-0340 Oak Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0341	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	443.68	74.60
		For 7 Ply Cold Press Construction, Deduct	*-5.89*	
		For Stave Lumber Core (SLC), Add	*220.85*	
		For Structural Composite Lumber Core (SCLC), Add	*132.51*	
		For >50 To 100, Deduct	*-25.91*	
		For >100, Deduct	*-37.01*	
08 14 16 00-0342	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	443.68	74.60
		For 7 Ply Cold Press Construction, Deduct	*-5.89*	
		For Stave Lumber Core (SLC), Add	*220.85*	
		For Structural Composite Lumber Core (SCLC), Add	*132.51*	
		For >50 To 100, Deduct	*-25.91*	
		For >100, Deduct	*-37.01*	
08 14 16 00-0343	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	465.95	78.00
		For 7 Ply Cold Press Construction, Deduct	*-6.20*	
		For Stave Lumber Core (SLC), Add	*232.47*	
		For Structural Composite Lumber Core (SCLC), Add	*139.48*	
		For >50 To 100, Deduct	*-27.20*	
		For >100, Deduct	*-38.85*	
08 14 16 00-0344	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	481.41	78.00
		For 7 Ply Cold Press Construction, Deduct	*-6.51*	
		For Stave Lumber Core (SLC), Add	*244.07*	
		For Structural Composite Lumber Core (SCLC), Add	*146.44*	
		For >50 To 100, Deduct	*-27.97*	
		For >100, Deduct	*-40.01*	
08 14 16 00-0345	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	490.82	78.00
		For 7 Ply Cold Press Construction, Deduct	*-6.70*	
		For Stave Lumber Core (SLC), Add	*251.12*	
		For Structural Composite Lumber Core (SCLC), Add	*150.67*	
		For >50 To 100, Deduct	*-28.44*	
		For >100, Deduct	*-40.71*	
08 14 16 00-0346	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	507.06	81.39
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.22*	
		For Structural Composite Lumber Core (SCLC), Add	*154.93*	
		For >50 To 100, Deduct	*-29.42*	
		For >100, Deduct	*-42.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0347	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	544.83	81.39
		For 7 Ply Cold Press Construction, Deduct	*-7.64*	
		For Stave Lumber Core (SLC), Add	*286.55*	
		For Structural Composite Lumber Core (SCLC), Add	*171.93*	
		For >50 To 100, Deduct	*-31.31*	
		For >100, Deduct	*-44.93*	
08 14 16 00-0348	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	576.03	84.78
		For 7 Ply Cold Press Construction, Deduct	*-8.13*	
		For Stave Lumber Core (SLC), Add	*304.85*	
		For Structural Composite Lumber Core (SCLC), Add	*182.91*	
		For >50 To 100, Deduct	*-33.04*	
		For >100, Deduct	*-47.44*	
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	460.81	74.60
		For 7 Ply Cold Press Construction, Deduct	*-6.23*	
		For Stave Lumber Core (SLC), Add	*233.69*	
		For Structural Composite Lumber Core (SCLC), Add	*140.22*	
		For >50 To 100, Deduct	*-26.77*	
		For >100, Deduct	*-38.29*	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	460.81	74.60
		For 7 Ply Cold Press Construction, Deduct	*-6.23*	
		For Stave Lumber Core (SLC), Add	*233.69*	
		For Structural Composite Lumber Core (SCLC), Add	*140.22*	
		For >50 To 100, Deduct	*-26.77*	
		For >100, Deduct	*-38.29*	
08 14 16 00-0351	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	484.01	78.00
		For 7 Ply Cold Press Construction, Deduct	*-6.56*	
		For Stave Lumber Core (SLC), Add	*246.02*	
		For Structural Composite Lumber Core (SCLC), Add	*147.61*	
		For >50 To 100, Deduct	*-28.10*	
		For >100, Deduct	*-40.20*	
08 14 16 00-0352	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	500.36	78.00
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.28*	
		For Structural Composite Lumber Core (SCLC), Add	*154.97*	
		For >50 To 100, Deduct	*-28.92*	
		For >100, Deduct	*-41.43*	
08 14 16 00-0353	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	510.31	78.00
		For 7 Ply Cold Press Construction, Deduct	*-7.09*	
		For Stave Lumber Core (SLC), Add	*265.74*	
		For Structural Composite Lumber Core (SCLC), Add	*159.44*	
		For >50 To 100, Deduct	*-29.42*	
		For >100, Deduct	*-42.17*	
08 14 16 00-0354	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	527.09	81.39
		For 7 Ply Cold Press Construction, Deduct	*-7.29*	
		For Stave Lumber Core (SLC), Add	*273.24*	
		For Structural Composite Lumber Core (SCLC), Add	*163.94*	
		For >50 To 100, Deduct	*-30.42*	
		For >100, Deduct	*-43.60*	
08 14 16 00-0355	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	567.07	81.39
		For 7 Ply Cold Press Construction, Deduct	*-8.09*	
		For Stave Lumber Core (SLC), Add	*303.23*	
		For Structural Composite Lumber Core (SCLC), Add	*181.94*	
		For >50 To 100, Deduct	*-32.42*	
		For >100, Deduct	*-46.60*	
08 14 16 00-0356	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	599.71	84.78
		For 7 Ply Cold Press Construction, Deduct	*-8.60*	
		For Stave Lumber Core (SLC), Add	*322.61*	
		For Structural Composite Lumber Core (SCLC), Add	*193.57*	
		For >50 To 100, Deduct	*-34.22*	
		For >100, Deduct	*-49.22*	
08 14 16 00-0357	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	521.56	74.60
		For 7 Ply Cold Press Construction, Deduct	*-7.45*	
		For Stave Lumber Core (SLC), Add	*279.26*	
		For Structural Composite Lumber Core (SCLC), Add	*167.55*	
		For >50 To 100, Deduct	*-29.81*	
		For >100, Deduct	*-42.85*	
		For 9' Door Height, Add	*78.19*	
08 14 16 00-0358	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	521.56	74.60
		For 7 Ply Cold Press Construction, Deduct	*-7.45*	
		For Stave Lumber Core (SLC), Add	*279.26*	
		For Structural Composite Lumber Core (SCLC), Add	*167.55*	
		For >50 To 100, Deduct	*-29.81*	
		For >100, Deduct	*-42.85*	
		For 9' Door Height, Add	*78.19*	
08 14 16 00-0359	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	547.97	78.00
		For 7 Ply Cold Press Construction, Deduct	*-7.84*	
		For Stave Lumber Core (SLC), Add	*293.99*	
		For Structural Composite Lumber Core (SCLC), Add	*176.39*	
		For >50 To 100, Deduct	*-31.30*	
		For >100, Deduct	*-45.00*	
		For 9' Door Height, Add	*82.32*	
08 14 16 00-0360	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	567.50	78.00
		For 7 Ply Cold Press Construction, Deduct	*-8.23*	
		For Stave Lumber Core (SLC), Add	*308.63*	
		For Structural Composite Lumber Core (SCLC), Add	*185.18*	
		For >50 To 100, Deduct	*-32.27*	
		For >100, Deduct	*-46.46*	
		For 9' Door Height, Add	*86.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0361	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	579.40	78.00
		For 7 Ply Cold Press Construction, Deduct	*-8.47*	
		For Stave Lumber Core (SLC), Add	*317.56*	
		For Structural Composite Lumber Core (SCLC), Add	*190.53*	
		For >50 To 100, Deduct	*-32.87*	
		For >100, Deduct	*-47.35*	
		For 9' Door Height, Add	*88.92*	
08 14 16 00-0362	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	598.15	81.39
		For 7 Ply Cold Press Construction, Deduct	*-8.71*	
		For Stave Lumber Core (SLC), Add	*326.54*	
		For Structural Composite Lumber Core (SCLC), Add	*195.92*	
		For >50 To 100, Deduct	*-33.98*	
		For >100, Deduct	*-48.93*	
		For 9' Door Height, Add	*91.43*	
08 14 16 00-0363	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	645.92	81.39
		For 7 Ply Cold Press Construction, Deduct	*-9.66*	
		For Stave Lumber Core (SLC), Add	*362.36*	
		For Structural Composite Lumber Core (SCLC), Add	*217.42*	
		For >50 To 100, Deduct	*-36.37*	
		For >100, Deduct	*-52.51*	
		For 9' Door Height, Add	*101.46*	
08 14 16 00-0364	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	683.59	84.78
		For 7 Ply Cold Press Construction, Deduct	*-10.28*	
		For Stave Lumber Core (SLC), Add	*385.52*	
		For Structural Composite Lumber Core (SCLC), Add	*231.31*	
		For >50 To 100, Deduct	*-38.42*	
		For >100, Deduct	*-55.51*	
		For 9' Door Height, Add	*107.95*	

08 14 16 00-0365 Maple Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0366	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	397.93	74.60
		For 7 Ply Cold Press Construction, Deduct	*-4.97*	
		For Stave Lumber Core (SLC), Add	*186.53*	
		For Structural Composite Lumber Core (SCLC), Add	*111.92*	
		For >50 To 100, Deduct	*-23.63*	
		For >100, Deduct	*-33.58*	
08 14 16 00-0367	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	397.93	74.60
		For 7 Ply Cold Press Construction, Deduct	*-4.97*	
		For Stave Lumber Core (SLC), Add	*186.53*	
		For Structural Composite Lumber Core (SCLC), Add	*111.92*	
		For >50 To 100, Deduct	*-23.63*	
		For >100, Deduct	*-33.58*	
08 14 16 00-0368	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	417.79	78.00
		For 7 Ply Cold Press Construction, Deduct	*-5.24*	
		For Stave Lumber Core (SLC), Add	*196.35*	
		For Structural Composite Lumber Core (SCLC), Add	*117.81*	
		For >50 To 100, Deduct	*-24.79*	
		For >100, Deduct	*-35.23*	
08 14 16 00-0369	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	430.85	78.00
		For 7 Ply Cold Press Construction, Deduct	*-5.50*	
		For Stave Lumber Core (SLC), Add	*206.15*	
		For Structural Composite Lumber Core (SCLC), Add	*123.69*	
		For >50 To 100, Deduct	*-25.44*	
		For >100, Deduct	*-36.21*	
08 14 16 00-0370	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	438.79	78.00
		For 7 Ply Cold Press Construction, Deduct	*-5.66*	
		For Stave Lumber Core (SLC), Add	*212.10*	
		For Structural Composite Lumber Core (SCLC), Add	*127.26*	
		For >50 To 100, Deduct	*-25.84*	
		For >100, Deduct	*-36.81*	
08 14 16 00-0371	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	453.56	81.39
		For 7 Ply Cold Press Construction, Deduct	*-5.82*	
		For Stave Lumber Core (SLC), Add	*218.09*	
		For Structural Composite Lumber Core (SCLC), Add	*130.86*	
		For >50 To 100, Deduct	*-26.75*	
		For >100, Deduct	*-38.09*	
08 14 16 00-0372	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	485.47	81.39
		For 7 Ply Cold Press Construction, Deduct	*-6.45*	
		For Stave Lumber Core (SLC), Add	*242.03*	
		For Structural Composite Lumber Core (SCLC), Add	*145.22*	
		For >50 To 100, Deduct	*-28.34*	
		For >100, Deduct	*-40.48*	
08 14 16 00-0373	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	512.87	84.78
		For 7 Ply Cold Press Construction, Deduct	*-6.87*	
		For Stave Lumber Core (SLC), Add	*257.48*	
		For Structural Composite Lumber Core (SCLC), Add	*154.49*	
		For >50 To 100, Deduct	*-29.88*	
		For >100, Deduct	*-42.70*	
08 14 16 00-0374	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	412.39	74.60
		For 7 Ply Cold Press Construction, Deduct	*-5.26*	
		For Stave Lumber Core (SLC), Add	*197.38*	
		For Structural Composite Lumber Core (SCLC), Add	*118.43*	
		For >50 To 100, Deduct	*-24.35*	
		For >100, Deduct	*-34.66*	
08 14 16 00-0375	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	412.39	74.60
		For 7 Ply Cold Press Construction, Deduct	*-5.26*	
		For Stave Lumber Core (SLC), Add	*197.38*	
		For Structural Composite Lumber Core (SCLC), Add	*118.43*	
		For >50 To 100, Deduct	*-24.35*	
		For >100, Deduct	*-34.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0376	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	433.04	78.00
		For 7 Ply Cold Press Construction, Deduct	*-5.54*	
		For Stave Lumber Core (SLC), Add	*207.79*	
		For Structural Composite Lumber Core (SCLC), Add	*124.67*	
		For >50 To 100, Deduct	*-25.55*	
		For >100, Deduct	*-36.38*	
08 14 16 00-0377	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	446.86	78.00
		For 7 Ply Cold Press Construction, Deduct	*-5.82*	
		For Stave Lumber Core (SLC), Add	*218.15*	
		For Structural Composite Lumber Core (SCLC), Add	*130.89*	
		For >50 To 100, Deduct	*-26.24*	
		For >100, Deduct	*-37.41*	
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	455.26	78.00
		For 7 Ply Cold Press Construction, Deduct	*-5.99*	
		For Stave Lumber Core (SLC), Add	*224.45*	
		For Structural Composite Lumber Core (SCLC), Add	*134.67*	
		For >50 To 100, Deduct	*-26.66*	
		For >100, Deduct	*-38.04*	
08 14 16 00-0379	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	470.50	81.39
		For 7 Ply Cold Press Construction, Deduct	*-6.15*	
		For Stave Lumber Core (SLC), Add	*230.80*	
		For Structural Composite Lumber Core (SCLC), Add	*138.48*	
		For >50 To 100, Deduct	*-27.59*	
		For >100, Deduct	*-39.36*	
08 14 16 00-0380	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	504.26	81.39
		For 7 Ply Cold Press Construction, Deduct	*-6.83*	
		For Stave Lumber Core (SLC), Add	*256.12*	
		For Structural Composite Lumber Core (SCLC), Add	*153.67*	
		For >50 To 100, Deduct	*-29.28*	
		For >100, Deduct	*-41.89*	
08 14 16 00-0381	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	532.86	84.78
		For 7 Ply Cold Press Construction, Deduct	*-7.27*	
		For Stave Lumber Core (SLC), Add	*272.48*	
		For Structural Composite Lumber Core (SCLC), Add	*163.49*	
		For >50 To 100, Deduct	*-30.88*	
		For >100, Deduct	*-44.20*	
08 14 16 00-0382	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	463.71	74.60
		For 7 Ply Cold Press Construction, Deduct	*-6.29*	
		For Stave Lumber Core (SLC), Add	*235.87*	
		For Structural Composite Lumber Core (SCLC), Add	*141.52*	
		For >50 To 100, Deduct	*-26.92*	
		For >100, Deduct	*-38.51*	
		For 9' Door Height, Add	*66.04*	
08 14 16 00-0383	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	463.71	74.60
		For 7 Ply Cold Press Construction, Deduct	*-6.29*	
		For Stave Lumber Core (SLC), Add	*235.87*	
		For Structural Composite Lumber Core (SCLC), Add	*141.52*	
		For >50 To 100, Deduct	*-26.92*	
		For >100, Deduct	*-38.51*	
		For 9' Door Height, Add	*66.04*	
08 14 16 00-0384	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	487.06	78.00
		For 7 Ply Cold Press Construction, Deduct	*-6.62*	
		For Stave Lumber Core (SLC), Add	*248.30*	
		For Structural Composite Lumber Core (SCLC), Add	*148.98*	
		For >50 To 100, Deduct	*-28.25*	
		For >100, Deduct	*-40.43*	
		For 9' Door Height, Add	*69.52*	
08 14 16 00-0385	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	503.56	78.00
		For 7 Ply Cold Press Construction, Deduct	*-6.95*	
		For Stave Lumber Core (SLC), Add	*260.68*	
		For Structural Composite Lumber Core (SCLC), Add	*156.41*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-41.67*	
		For 9' Door Height, Add	*72.99*	
08 14 16 00-0386	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	513.62	78.00
		For 7 Ply Cold Press Construction, Deduct	*-7.15*	
		For Stave Lumber Core (SLC), Add	*268.22*	
		For Structural Composite Lumber Core (SCLC), Add	*160.93*	
		For >50 To 100, Deduct	*-29.58*	
		For >100, Deduct	*-42.42*	
		For 9' Door Height, Add	*75.10*	
08 14 16 00-0387	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	530.49	81.39
		For 7 Ply Cold Press Construction, Deduct	*-7.35*	
		For Stave Lumber Core (SLC), Add	*275.79*	
		For Structural Composite Lumber Core (SCLC), Add	*165.47*	
		For >50 To 100, Deduct	*-30.59*	
		For >100, Deduct	*-43.86*	
		For 9' Door Height, Add	*77.22*	
08 14 16 00-0388	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	570.85	81.39
		For 7 Ply Cold Press Construction, Deduct	*-8.16*	
		For Stave Lumber Core (SLC), Add	*306.06*	
		For Structural Composite Lumber Core (SCLC), Add	*183.64*	
		For >50 To 100, Deduct	*-32.61*	
		For >100, Deduct	*-46.88*	
		For 9' Door Height, Add	*85.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0389	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	603.71	84.78
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.61*	
		For Structural Composite Lumber Core (SCLC), Add	*195.37*	
		For >50 To 100, Deduct	*-34.42*	
		For >100, Deduct	*-49.52*	
		For 9' Door Height, Add	*91.17*	
08 14 16 00-0390		**Lauan Faced Wood Doors** *(08 14 16 00-0314)*		
08 14 16 00-0391	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	263.46	74.60
		For >50 To 100, Deduct	*-16.90*	
		For >100, Deduct	*-23.49*	
08 14 16 00-0392	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	263.46	74.60
		For >50 To 100, Deduct	*-16.90*	
		For >100, Deduct	*-23.49*	
08 14 16 00-0393	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	276.48	78.00
		For >50 To 100, Deduct	*-17.72*	
		For >100, Deduct	*-24.64*	
08 14 16 00-0394	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	282.78	78.00
		For >50 To 100, Deduct	*-18.04*	
		For >100, Deduct	*-25.11*	
08 14 16 00-0395	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	285.94	78.00
		For >50 To 100, Deduct	*-18.20*	
		For >100, Deduct	*-25.35*	
08 14 16 00-0396	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	295.91	81.39
		For >50 To 100, Deduct	*-18.86*	
		For >100, Deduct	*-26.26*	
08 14 16 00-0397	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	310.53	81.39
		For >50 To 100, Deduct	*-19.60*	
		For >100, Deduct	*-27.36*	
08 14 16 00-0398	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	328.90	84.78
		For >50 To 100, Deduct	*-20.68*	
		For >100, Deduct	*-28.91*	
08 14 16 00-0399	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	270.11	74.60
		For >50 To 100, Deduct	*-17.24*	
		For >100, Deduct	*-23.99*	
08 14 16 00-0400	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	270.11	74.60
		For >50 To 100, Deduct	*-17.24*	
		For >100, Deduct	*-23.99*	
08 14 16 00-0401	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	283.50	78.00
		For >50 To 100, Deduct	*-18.07*	
		For >100, Deduct	*-25.16*	
08 14 16 00-0402	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	290.16	78.00
		For >50 To 100, Deduct	*-18.41*	
		For >100, Deduct	*-25.66*	
08 14 16 00-0403	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	293.52	78.00
		For >50 To 100, Deduct	*-18.58*	
		For >100, Deduct	*-25.91*	
08 14 16 00-0404	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	303.65	81.39
		For >50 To 100, Deduct	*-19.25*	
		For >100, Deduct	*-26.84*	
08 14 16 00-0405	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	319.14	81.39
		For >50 To 100, Deduct	*-20.03*	
		For >100, Deduct	*-28.00*	
08 14 16 00-0406	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	338.17	84.78
		For >50 To 100, Deduct	*-21.15*	
		For >100, Deduct	*-29.60*	
08 14 16 00-0407	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	293.69	74.60
		For >50 To 100, Deduct	*-18.42*	
		For >100, Deduct	*-25.76*	
		For 9' Door Height, Add	*30.34*	
08 14 16 00-0408	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	293.69	74.60
		For >50 To 100, Deduct	*-18.42*	
		For >100, Deduct	*-25.76*	
		For 9' Door Height, Add	*30.34*	
08 14 16 00-0409	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	308.36	78.00
		For >50 To 100, Deduct	*-19.32*	
		For >100, Deduct	*-27.03*	
		For 9' Door Height, Add	*32.00*	
08 14 16 00-0410	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	316.33	78.00
		For >50 To 100, Deduct	*-19.72*	
		For >100, Deduct	*-27.62*	
		For 9' Door Height, Add	*33.67*	
08 14 16 00-0411	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	320.34	78.00
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-27.93*	
		For 9' Door Height, Add	*34.51*	
08 14 16 00-0412	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	331.13	81.39
		For >50 To 100, Deduct	*-20.63*	
		For >100, Deduct	*-28.90*	
		For 9' Door Height, Add	*35.36*	
08 14 16 00-0413	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	349.63	81.39
		For >50 To 100, Deduct	*-21.55*	
		For >100, Deduct	*-30.29*	
		For 9' Door Height, Add	*39.24*	
08 14 16 00-0414	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	371.04	84.78
		For >50 To 100, Deduct	*-22.79*	
		For >100, Deduct	*-32.07*	
		For 9' Door Height, Add	*42.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0415		**Medium Density Overlay (MDO) Faced Wood Doors** *(08 14 16 00-0314)*		
08 14 16 00-0416	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	256.61	74.60
		For Stave Lumber Core (SLC), Add	*80.54*	
		For Structural Composite Lumber Core (SCLC), Add	*48.33*	
		For >50 To 100, Deduct	*-16.56*	
		For >100, Deduct	*-22.98*	
08 14 16 00-0417	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	256.61	74.60
		For Stave Lumber Core (SLC), Add	*80.54*	
		For Structural Composite Lumber Core (SCLC), Add	*48.33*	
		For >50 To 100, Deduct	*-16.56*	
		For >100, Deduct	*-22.98*	
08 14 16 00-0418	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	269.62	78.00
		For Stave Lumber Core (SLC), Add	*85.22*	
		For Structural Composite Lumber Core (SCLC), Add	*51.13*	
		For >50 To 100, Deduct	*-17.38*	
		For >100, Deduct	*-24.12*	
08 14 16 00-0419	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	275.84	78.00
		For Stave Lumber Core (SLC), Add	*89.89*	
		For Structural Composite Lumber Core (SCLC), Add	*53.93*	
		For >50 To 100, Deduct	*-17.69*	
		For >100, Deduct	*-24.59*	
08 14 16 00-0420	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	276.98	78.00
		For Stave Lumber Core (SLC), Add	*90.74*	
		For Structural Composite Lumber Core (SCLC), Add	*54.45*	
		For >50 To 100, Deduct	*-17.75*	
		For >100, Deduct	*-24.67*	
08 14 16 00-0421	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.92	81.39
		For Stave Lumber Core (SLC), Add	*91.61*	
		For Structural Composite Lumber Core (SCLC), Add	*54.97*	
		For >50 To 100, Deduct	*-18.32*	
		For >100, Deduct	*-25.44*	
08 14 16 00-0422	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	298.39	81.39
		For Stave Lumber Core (SLC), Add	*101.72*	
		For Structural Composite Lumber Core (SCLC), Add	*61.03*	
		For >50 To 100, Deduct	*-18.99*	
		For >100, Deduct	*-26.45*	
08 14 16 00-0423	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	329.75	84.78
		For Stave Lumber Core (SLC), Add	*120.14*	
		For Structural Composite Lumber Core (SCLC), Add	*72.09*	
		For >50 To 100, Deduct	*-20.73*	
		For >100, Deduct	*-28.97*	
08 14 16 00-0424	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	262.86	74.60
		For Stave Lumber Core (SLC), Add	*85.23*	
		For Structural Composite Lumber Core (SCLC), Add	*51.14*	
		For >50 To 100, Deduct	*-16.87*	
		For >100, Deduct	*-23.45*	
08 14 16 00-0425	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	262.87	74.60
		For Stave Lumber Core (SLC), Add	*85.24*	
		For Structural Composite Lumber Core (SCLC), Add	*51.14*	
		For >50 To 100, Deduct	*-16.87*	
		For >100, Deduct	*-23.45*	
08 14 16 00-0426	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	276.23	78.00
		For Stave Lumber Core (SLC), Add	*90.18*	
		For Structural Composite Lumber Core (SCLC), Add	*54.11*	
		For >50 To 100, Deduct	*-17.71*	
		For >100, Deduct	*-24.62*	
08 14 16 00-0427	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.81	78.00
		For Stave Lumber Core (SLC), Add	*95.12*	
		For Structural Composite Lumber Core (SCLC), Add	*57.07*	
		For >50 To 100, Deduct	*-18.04*	
		For >100, Deduct	*-25.11*	
08 14 16 00-0428	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.02	78.00
		For Stave Lumber Core (SLC), Add	*96.02*	
		For Structural Composite Lumber Core (SCLC), Add	*57.61*	
		For >50 To 100, Deduct	*-18.10*	
		For >100, Deduct	*-25.20*	
08 14 16 00-0429	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	292.03	81.39
		For Stave Lumber Core (SLC), Add	*96.95*	
		For Structural Composite Lumber Core (SCLC), Add	*58.17*	
		For >50 To 100, Deduct	*-18.67*	
		For >100, Deduct	*-25.97*	
08 14 16 00-0430	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	306.28	81.39
		For Stave Lumber Core (SLC), Add	*107.63*	
		For Structural Composite Lumber Core (SCLC), Add	*64.58*	
		For >50 To 100, Deduct	*-19.38*	
		For >100, Deduct	*-27.04*	
08 14 16 00-0431	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	339.08	84.78
		For Stave Lumber Core (SLC), Add	*127.14*	
		For Structural Composite Lumber Core (SCLC), Add	*76.28*	
		For >50 To 100, Deduct	*-21.19*	
		For >100, Deduct	*-29.67*	
08 14 16 00-0432	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	285.01	74.60
		For Stave Lumber Core (SLC), Add	*101.84*	
		For Structural Composite Lumber Core (SCLC), Add	*61.11*	
		For >50 To 100, Deduct	*-17.98*	
		For >100, Deduct	*-25.11*	
		For 9' Door Height, Add	*28.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0433	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	285.03	74.60
		For Stave Lumber Core (SLC), Add	*101.86*	
		For Structural Composite Lumber Core (SCLC), Add	*61.11*	
		For >50 To 100, Deduct	*-17.98*	
		For >100, Deduct	*-25.11*	
		For 9' Door Height, Add	*28.52*	
08 14 16 00-0434	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	299.68	78.00
		For Stave Lumber Core (SLC), Add	*107.77*	
		For Structural Composite Lumber Core (SCLC), Add	*64.66*	
		For >50 To 100, Deduct	*-18.88*	
		For >100, Deduct	*-26.38*	
		For 9' Door Height, Add	*30.17*	
08 14 16 00-0435	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	307.53	78.00
		For Stave Lumber Core (SLC), Add	*113.66*	
		For Structural Composite Lumber Core (SCLC), Add	*68.19*	
		For >50 To 100, Deduct	*-19.28*	
		For >100, Deduct	*-26.96*	
		For 9' Door Height, Add	*31.82*	
08 14 16 00-0436	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	308.98	78.00
		For Stave Lumber Core (SLC), Add	*114.74*	
		For Structural Composite Lumber Core (SCLC), Add	*68.85*	
		For >50 To 100, Deduct	*-19.35*	
		For >100, Deduct	*-27.07*	
		For 9' Door Height, Add	*32.13*	
08 14 16 00-0437	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	317.24	81.39
		For Stave Lumber Core (SLC), Add	*115.85*	
		For Structural Composite Lumber Core (SCLC), Add	*69.51*	
		For >50 To 100, Deduct	*-19.93*	
		For >100, Deduct	*-27.86*	
		For 9' Door Height, Add	*32.44*	
08 14 16 00-0438	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	334.28	81.39
		For Stave Lumber Core (SLC), Add	*128.63*	
		For Structural Composite Lumber Core (SCLC), Add	*77.18*	
		For >50 To 100, Deduct	*-20.78*	
		For >100, Deduct	*-29.14*	
		For 9' Door Height, Add	*36.02*	
08 14 16 00-0439	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	372.14	84.78
		For Stave Lumber Core (SLC), Add	*151.94*	
		For Structural Composite Lumber Core (SCLC), Add	*91.16*	
		For >50 To 100, Deduct	*-22.85*	
		For >100, Deduct	*-32.15*	
		For 9' Door Height, Add	*42.54*	

08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0441 Birch Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	353.67	74.60
		For 7 Ply Cold Press Construction, Deduct	*-4.09*	
		For Stave Lumber Core (SLC), Add	*153.34*	
		For Structural Composite Lumber Core (SCLC), Add	*92.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.34*	
		For >50 To 100, Deduct	*-21.41*	
		For >100, Deduct	*-30.26*	
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	353.67	74.60
		For 7 Ply Cold Press Construction, Deduct	*-4.09*	
		For Stave Lumber Core (SLC), Add	*153.34*	
		For Structural Composite Lumber Core (SCLC), Add	*92.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.34*	
		For >50 To 100, Deduct	*-21.41*	
		For >100, Deduct	*-30.26*	
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	349.67	78.00
		For 7 Ply Cold Press Construction, Deduct	*-3.87*	
		For Stave Lumber Core (SLC), Add	*145.26*	
		For Structural Composite Lumber Core (SCLC), Add	*87.16*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.42*	
		For >50 To 100, Deduct	*-21.38*	
		For >100, Deduct	*-30.13*	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	357.74	78.00
		For 7 Ply Cold Press Construction, Deduct	*-4.04*	
		For Stave Lumber Core (SLC), Add	*151.31*	
		For Structural Composite Lumber Core (SCLC), Add	*90.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.10*	
		For >50 To 100, Deduct	*-21.79*	
		For >100, Deduct	*-30.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	363.14	78.00
		For 7 Ply Cold Press Construction, Deduct	*-4.14*	
		For Stave Lumber Core (SLC), Add	*155.36*	
		For Structural Composite Lumber Core (SCLC), Add	*93.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.58*	
		For >50 To 100, Deduct	*-22.06*	
		For >100, Deduct	*-31.14*	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	375.29	81.39
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.39*	
		For Structural Composite Lumber Core (SCLC), Add	*95.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.39*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*255.02*	
		For >50 To 100, Deduct	*-22.83*	
		For >100, Deduct	*-32.22*	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	398.66	81.39
		For 7 Ply Cold Press Construction, Deduct	*-4.72*	
		For Stave Lumber Core (SLC), Add	*176.92*	
		For Structural Composite Lumber Core (SCLC), Add	*106.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*127.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*176.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*283.07*	
		For >50 To 100, Deduct	*-24.00*	
		For >100, Deduct	*-33.97*	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	455.96	84.78
		For 7 Ply Cold Press Construction, Deduct	*-5.73*	
		For Stave Lumber Core (SLC), Add	*214.80*	
		For Structural Composite Lumber Core (SCLC), Add	*128.88*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*154.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*214.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*343.68*	
		For >50 To 100, Deduct	*-27.04*	
		For >100, Deduct	*-38.44*	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	470.28	84.78
		For 7 Ply Cold Press Construction, Deduct	*-6.01*	
		For Stave Lumber Core (SLC), Add	*225.54*	
		For Structural Composite Lumber Core (SCLC), Add	*135.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*225.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*360.86*	
		For >50 To 100, Deduct	*-27.75*	
		For >100, Deduct	*-39.51*	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	512.48	91.56
		For 7 Ply Cold Press Construction, Deduct	*-6.59*	
		For Stave Lumber Core (SLC), Add	*247.01*	
		For Structural Composite Lumber Core (SCLC), Add	*148.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.52*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*177.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*247.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*395.22*	
		For >50 To 100, Deduct	*-30.20*	
		For >100, Deduct	*-43.01*	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	344.00	74.60
		For 7 Ply Cold Press Construction, Deduct	*-3.90*	
		For Stave Lumber Core (SLC), Add	*146.09*	
		For Structural Composite Lumber Core (SCLC), Add	*87.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*233.74*	
		For >50 To 100, Deduct	*-20.93*	
		For >100, Deduct	*-29.53*	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	344.00	74.60
		For 7 Ply Cold Press Construction, Deduct	*-3.90*	
		For Stave Lumber Core (SLC), Add	*146.09*	
		For Structural Composite Lumber Core (SCLC), Add	*87.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*233.74*	
		For >50 To 100, Deduct	*-20.93*	
		For >100, Deduct	*-29.53*	
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	360.95	78.00
		For 7 Ply Cold Press Construction, Deduct	*-4.10*	
		For Stave Lumber Core (SLC), Add	*153.72*	
		For Structural Composite Lumber Core (SCLC), Add	*92.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.95*	
		For >50 To 100, Deduct	*-21.95*	
		For >100, Deduct	*-30.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	369.49	78.00
		For 7 Ply Cold Press Construction, Deduct	*-4.27*	
		For Stave Lumber Core (SLC), Add	*160.13*	
		For Structural Composite Lumber Core (SCLC), Add	*96.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.29*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*160.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*256.20*	
		For >50 To 100, Deduct	*-22.37*	
		For >100, Deduct	*-31.61*	
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	375.19	78.00
		For 7 Ply Cold Press Construction, Deduct	*-4.38*	
		For Stave Lumber Core (SLC), Add	*164.40*	
		For Structural Composite Lumber Core (SCLC), Add	*98.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*263.04*	
		For >50 To 100, Deduct	*-22.66*	
		For >100, Deduct	*-32.04*	
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	387.65	81.39
		For 7 Ply Cold Press Construction, Deduct	*-4.50*	
		For Stave Lumber Core (SLC), Add	*168.66*	
		For Structural Composite Lumber Core (SCLC), Add	*101.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.86*	
		For >50 To 100, Deduct	*-23.45*	
		For >100, Deduct	*-33.14*	
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	412.39	81.39
		For 7 Ply Cold Press Construction, Deduct	*-4.99*	
		For Stave Lumber Core (SLC), Add	*187.22*	
		For Structural Composite Lumber Core (SCLC), Add	*112.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*134.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*187.22*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*299.54*	
		For >50 To 100, Deduct	*-24.69*	
		For >100, Deduct	*-35.00*	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	472.63	84.78
		For 7 Ply Cold Press Construction, Deduct	*-6.06*	
		For Stave Lumber Core (SLC), Add	*227.30*	
		For Structural Composite Lumber Core (SCLC), Add	*136.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*163.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*227.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*363.68*	
		For >50 To 100, Deduct	*-27.87*	
		For >100, Deduct	*-39.69*	
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	487.79	84.78
		For 7 Ply Cold Press Construction, Deduct	*-6.36*	
		For Stave Lumber Core (SLC), Add	*238.67*	
		For Structural Composite Lumber Core (SCLC), Add	*143.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*171.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*238.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*381.88*	
		For >50 To 100, Deduct	*-28.63*	
		For >100, Deduct	*-40.82*	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	531.65	91.56
		For 7 Ply Cold Press Construction, Deduct	*-6.97*	
		For Stave Lumber Core (SLC), Add	*261.39*	
		For Structural Composite Lumber Core (SCLC), Add	*156.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*188.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*261.39*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*418.22*	
		For >50 To 100, Deduct	*-31.16*	
		For >100, Deduct	*-44.45*	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	407.75	74.60
		For 7 Ply Cold Press Construction, Deduct	*-5.17*	
		For Stave Lumber Core (SLC), Add	*193.90*	
		For Structural Composite Lumber Core (SCLC), Add	*116.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*193.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.24*	
		For >50 To 100, Deduct	*-24.12*	
		For >100, Deduct	*-34.31*	
		For 9' Door Height, Add	*54.29*	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	407.75	74.60
		For 7 Ply Cold Press Construction, Deduct	*-5.17*	
		For Stave Lumber Core (SLC), Add	*193.90*	
		For Structural Composite Lumber Core (SCLC), Add	*116.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*193.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.24*	
		For >50 To 100, Deduct	*-24.12*	
		For >100, Deduct	*-34.31*	
		For 9' Door Height, Add	*54.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	400.91	78.00
		For 7 Ply Cold Press Construction, Deduct	*-4.90*	
		For Stave Lumber Core (SLC), Add	*183.69*	
		For Structural Composite Lumber Core (SCLC), Add	*110.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*132.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*183.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*293.90*	
		For >50 To 100, Deduct	*-23.95*	
		For >100, Deduct	*-33.97*	
		For 9' Door Height, Add	*51.43*	
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	411.11	78.00
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.34*	
		For Structural Composite Lumber Core (SCLC), Add	*114.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*191.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*306.14*	
		For >50 To 100, Deduct	*-24.46*	
		For >100, Deduct	*-34.73*	
		For 9' Door Height, Add	*53.58*	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	417.93	78.00
		For 7 Ply Cold Press Construction, Deduct	*-5.24*	
		For Stave Lumber Core (SLC), Add	*196.46*	
		For Structural Composite Lumber Core (SCLC), Add	*117.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.43*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.45*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*314.33*	
		For >50 To 100, Deduct	*-24.80*	
		For >100, Deduct	*-35.24*	
		For 9' Door Height, Add	*55.01*	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	431.50	81.39
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.55*	
		For Structural Composite Lumber Core (SCLC), Add	*120.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*145.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*201.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*322.48*	
		For >50 To 100, Deduct	*-25.64*	
		For >100, Deduct	*-36.43*	
		For 9' Door Height, Add	*56.43*	
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	461.06	81.39
		For 7 Ply Cold Press Construction, Deduct	*-5.97*	
		For Stave Lumber Core (SLC), Add	*223.72*	
		For Structural Composite Lumber Core (SCLC), Add	*134.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*161.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*223.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*357.95*	
		For >50 To 100, Deduct	*-27.12*	
		For >100, Deduct	*-38.65*	
		For 9' Door Height, Add	*62.64*	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	531.72	84.78
		For 7 Ply Cold Press Construction, Deduct	*-7.24*	
		For Stave Lumber Core (SLC), Add	*271.62*	
		For Structural Composite Lumber Core (SCLC), Add	*162.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*195.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*271.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*434.59*	
		For >50 To 100, Deduct	*-30.83*	
		For >100, Deduct	*-44.12*	
		For 9' Door Height, Add	*76.05*	
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	549.83	84.78
		For 7 Ply Cold Press Construction, Deduct	*-7.61*	
		For Stave Lumber Core (SLC), Add	*285.20*	
		For Structural Composite Lumber Core (SCLC), Add	*171.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*205.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*285.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*456.32*	
		For >50 To 100, Deduct	*-31.73*	
		For >100, Deduct	*-45.48*	
		For 9' Door Height, Add	*79.86*	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	599.61	91.56
		For 7 Ply Cold Press Construction, Deduct	*-8.33*	
		For Stave Lumber Core (SLC), Add	*312.36*	
		For Structural Composite Lumber Core (SCLC), Add	*187.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.90*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*312.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*499.78*	
		For >50 To 100, Deduct	*-34.56*	
		For >100, Deduct	*-49.55*	
		For 9' Door Height, Add	*87.46*	

08 14 16 00-0472 Oak Faced Wood Doors *(08 14 16 00-0440)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	541.55	74.60
		For 7 Ply Cold Press Construction, Deduct	*-7.85*	
		For Stave Lumber Core (SLC), Add	*294.25*	
		For Structural Composite Lumber Core (SCLC), Add	*176.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.80*	
		For >50 To 100, Deduct	*-30.81*	
		For >100, Deduct	*-44.35*	
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	541.55	74.60
		For 7 Ply Cold Press Construction, Deduct	*-7.85*	
		For Stave Lumber Core (SLC), Add	*294.25*	
		For Structural Composite Lumber Core (SCLC), Add	*176.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.80*	
		For >50 To 100, Deduct	*-30.81*	
		For >100, Deduct	*-44.35*	
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	548.32	78.00
		For 7 Ply Cold Press Construction, Deduct	*-7.85*	
		For Stave Lumber Core (SLC), Add	*294.25*	
		For Structural Composite Lumber Core (SCLC), Add	*176.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.80*	
		For >50 To 100, Deduct	*-31.32*	
		For >100, Deduct	*-45.02*	
08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	552.35	78.00
		For 7 Ply Cold Press Construction, Deduct	*-7.93*	
		For Stave Lumber Core (SLC), Add	*297.27*	
		For Structural Composite Lumber Core (SCLC), Add	*178.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*214.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*297.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*475.63*	
		For >50 To 100, Deduct	*-31.52*	
		For >100, Deduct	*-45.33*	
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	554.17	78.00
		For 7 Ply Cold Press Construction, Deduct	*-7.96*	
		For Stave Lumber Core (SLC), Add	*298.64*	
		For Structural Composite Lumber Core (SCLC), Add	*179.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*215.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*298.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*477.82*	
		For >50 To 100, Deduct	*-31.61*	
		For >100, Deduct	*-45.46*	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	562.77	81.39
		For 7 Ply Cold Press Construction, Deduct	*-8.00*	
		For Stave Lumber Core (SLC), Add	*300.00*	
		For Structural Composite Lumber Core (SCLC), Add	*180.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*216.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*300.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*480.00*	
		For >50 To 100, Deduct	*-32.21*	
		For >100, Deduct	*-46.28*	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	606.71	81.39
		For 7 Ply Cold Press Construction, Deduct	*-8.88*	
		For Stave Lumber Core (SLC), Add	*332.96*	
		For Structural Composite Lumber Core (SCLC), Add	*199.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*239.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*332.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*532.73*	
		For >50 To 100, Deduct	*-34.40*	
		For >100, Deduct	*-49.57*	
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	726.64	84.78
		For 7 Ply Cold Press Construction, Deduct	*-11.14*	
		For Stave Lumber Core (SLC), Add	*417.81*	
		For Structural Composite Lumber Core (SCLC), Add	*250.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*66.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*300.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*417.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*668.50*	
		For >50 To 100, Deduct	*-40.57*	
		For >100, Deduct	*-58.74*	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	754.88	84.78
		For 7 Ply Cold Press Construction, Deduct	*-11.71*	
		For Stave Lumber Core (SLC), Add	*438.99*	
		For Structural Composite Lumber Core (SCLC), Add	*263.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*316.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*438.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*702.38*	
		For >50 To 100, Deduct	*-41.98*	
		For >100, Deduct	*-60.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	823.78	91.56
		For 7 Ply Cold Press Construction, Deduct	*-12.81*	
		For Stave Lumber Core (SLC), Add	*480.49*	
		For Structural Composite Lumber Core (SCLC), Add	*288.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*345.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.78*	
		For >50 To 100, Deduct	*-45.77*	
		For >100, Deduct	*-66.36*	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	564.37	74.60
		For 7 Ply Cold Press Construction, Deduct	*-8.30*	
		For Stave Lumber Core (SLC), Add	*311.36*	
		For Structural Composite Lumber Core (SCLC), Add	*186.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*311.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*498.18*	
		For >50 To 100, Deduct	*-31.95*	
		For >100, Deduct	*-46.06*	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	564.37	74.60
		For 7 Ply Cold Press Construction, Deduct	*-8.30*	
		For Stave Lumber Core (SLC), Add	*311.36*	
		For Structural Composite Lumber Core (SCLC), Add	*186.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*311.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*498.18*	
		For >50 To 100, Deduct	*-31.95*	
		For >100, Deduct	*-46.06*	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	571.14	78.00
		For 7 Ply Cold Press Construction, Deduct	*-8.30*	
		For Stave Lumber Core (SLC), Add	*311.36*	
		For Structural Composite Lumber Core (SCLC), Add	*186.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*311.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*498.18*	
		For >50 To 100, Deduct	*-32.46*	
		For >100, Deduct	*-46.74*	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	575.40	78.00
		For 7 Ply Cold Press Construction, Deduct	*-8.39*	
		For Stave Lumber Core (SLC), Add	*314.56*	
		For Structural Composite Lumber Core (SCLC), Add	*188.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*503.29*	
		For >50 To 100, Deduct	*-32.67*	
		For >100, Deduct	*-47.05*	
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	577.34	78.00
		For 7 Ply Cold Press Construction, Deduct	*-8.43*	
		For Stave Lumber Core (SLC), Add	*316.01*	
		For Structural Composite Lumber Core (SCLC), Add	*189.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*227.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*316.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*505.62*	
		For >50 To 100, Deduct	*-32.77*	
		For >100, Deduct	*-47.20*	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	586.06	81.39
		For 7 Ply Cold Press Construction, Deduct	*-8.47*	
		For Stave Lumber Core (SLC), Add	*317.47*	
		For Structural Composite Lumber Core (SCLC), Add	*190.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*228.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*317.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*507.95*	
		For >50 To 100, Deduct	*-33.37*	
		For >100, Deduct	*-48.02*	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	632.55	81.39
		For 7 Ply Cold Press Construction, Deduct	*-9.40*	
		For Stave Lumber Core (SLC), Add	*352.34*	
		For Structural Composite Lumber Core (SCLC), Add	*211.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*253.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*352.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*563.74*	
		For >50 To 100, Deduct	*-35.70*	
		For >100, Deduct	*-51.51*	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	759.07	84.78
		For 7 Ply Cold Press Construction, Deduct	*-11.79*	
		For Stave Lumber Core (SLC), Add	*442.13*	
		For Structural Composite Lumber Core (SCLC), Add	*265.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*318.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*442.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*707.41*	
		For >50 To 100, Deduct	*-42.19*	
		For >100, Deduct	*-61.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	788.94	84.78
		For 7 Ply Cold Press Construction, Deduct	*-12.39*	
		For Stave Lumber Core (SLC), Add	*464.54*	
		For Structural Composite Lumber Core (SCLC), Add	*278.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*334.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*464.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*743.26*	
		For >50 To 100, Deduct	*-43.69*	
		For >100, Deduct	*-63.41*	
08 14 16 00-0492	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	861.05	91.56
		For 7 Ply Cold Press Construction, Deduct	*-13.56*	
		For Stave Lumber Core (SLC), Add	*508.44*	
		For Structural Composite Lumber Core (SCLC), Add	*305.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*81.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*366.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*508.44*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*813.50*	
		For >50 To 100, Deduct	*-47.63*	
		For >100, Deduct	*-69.16*	
08 14 16 00-0493	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	645.31	74.60
		For 7 Ply Cold Press Construction, Deduct	*-9.92*	
		For Stave Lumber Core (SLC), Add	*372.07*	
		For Structural Composite Lumber Core (SCLC), Add	*223.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*267.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*372.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*595.31*	
		For >50 To 100, Deduct	*-36.00*	
		For >100, Deduct	*-52.13*	
		For 9' Door Height, Add	*104.18*	
08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	645.31	74.60
		For 7 Ply Cold Press Construction, Deduct	*-9.92*	
		For Stave Lumber Core (SLC), Add	*372.07*	
		For Structural Composite Lumber Core (SCLC), Add	*223.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*267.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*372.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*595.31*	
		For >50 To 100, Deduct	*-36.00*	
		For >100, Deduct	*-52.13*	
		For 9' Door Height, Add	*104.18*	
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	652.08	78.00
		For 7 Ply Cold Press Construction, Deduct	*-9.92*	
		For Stave Lumber Core (SLC), Add	*372.07*	
		For Structural Composite Lumber Core (SCLC), Add	*223.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*267.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*372.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*595.31*	
		For >50 To 100, Deduct	*-36.50*	
		For >100, Deduct	*-52.81*	
		For 9' Door Height, Add	*104.18*	
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	657.20	78.00
		For 7 Ply Cold Press Construction, Deduct	*-10.02*	
		For Stave Lumber Core (SLC), Add	*375.91*	
		For Structural Composite Lumber Core (SCLC), Add	*225.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*270.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*375.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*601.45*	
		For >50 To 100, Deduct	*-36.76*	
		For >100, Deduct	*-53.19*	
		For 9' Door Height, Add	*105.25*	
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	659.52	78.00
		For 7 Ply Cold Press Construction, Deduct	*-10.07*	
		For Stave Lumber Core (SLC), Add	*377.65*	
		For Structural Composite Lumber Core (SCLC), Add	*226.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*271.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*377.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*604.24*	
		For >50 To 100, Deduct	*-36.88*	
		For >100, Deduct	*-53.36*	
		For 9' Door Height, Add	*105.74*	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	668.59	81.39
		For 7 Ply Cold Press Construction, Deduct	*-10.12*	
		For Stave Lumber Core (SLC), Add	*379.37*	
		For Structural Composite Lumber Core (SCLC), Add	*227.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*273.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*379.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*606.98*	
		For >50 To 100, Deduct	*-37.50*	
		For >100, Deduct	*-54.21*	
		For 9' Door Height, Add	*106.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	724.15	81.39
		For 7 Ply Cold Press Construction, Deduct	*-11.23*	
		For Stave Lumber Core (SLC), Add	*421.04*	
		For Structural Composite Lumber Core (SCLC), Add	*252.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*67.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*303.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*421.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*673.66*	
		For >50 To 100, Deduct	*-40.28*	
		For >100, Deduct	*-58.38*	
		For 9' Door Height, Add	*117.89*	
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	874.02	84.78
		For 7 Ply Cold Press Construction, Deduct	*-14.09*	
		For Stave Lumber Core (SLC), Add	*528.35*	
		For Structural Composite Lumber Core (SCLC), Add	*317.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*84.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*380.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*528.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*845.35*	
		For >50 To 100, Deduct	*-47.94*	
		For >100, Deduct	*-69.79*	
		For 9' Door Height, Add	*147.94*	
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	909.71	84.78
		For 7 Ply Cold Press Construction, Deduct	*-14.80*	
		For Stave Lumber Core (SLC), Add	*555.11*	
		For Structural Composite Lumber Core (SCLC), Add	*333.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*88.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*399.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*555.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*888.18*	
		For >50 To 100, Deduct	*-49.72*	
		For >100, Deduct	*-72.47*	
		For 9' Door Height, Add	*155.43*	
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	993.25	91.56
		For 7 Ply Cold Press Construction, Deduct	*-16.20*	
		For Stave Lumber Core (SLC), Add	*607.59*	
		For Structural Composite Lumber Core (SCLC), Add	*364.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*97.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*437.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*607.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*972.14*	
		For >50 To 100, Deduct	*-54.24*	
		For >100, Deduct	*-79.07*	
		For 9' Door Height, Add	*170.13*	

08 14 16 00-0503 Maple Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	480.59	74.60
		For 7 Ply Cold Press Construction, Deduct	*-6.63*	
		For Stave Lumber Core (SLC), Add	*248.53*	
		For Structural Composite Lumber Core (SCLC), Add	*149.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.64*	
		For >50 To 100, Deduct	*-27.76*	
		For >100, Deduct	*-39.77*	
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	480.59	74.60
		For 7 Ply Cold Press Construction, Deduct	*-6.63*	
		For Stave Lumber Core (SLC), Add	*248.53*	
		For Structural Composite Lumber Core (SCLC), Add	*149.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.64*	
		For >50 To 100, Deduct	*-27.76*	
		For >100, Deduct	*-39.77*	
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	487.36	78.00
		For 7 Ply Cold Press Construction, Deduct	*-6.63*	
		For Stave Lumber Core (SLC), Add	*248.53*	
		For Structural Composite Lumber Core (SCLC), Add	*149.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.64*	
		For >50 To 100, Deduct	*-28.27*	
		For >100, Deduct	*-40.45*	
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	490.77	78.00
		For 7 Ply Cold Press Construction, Deduct	*-6.70*	
		For Stave Lumber Core (SLC), Add	*251.09*	
		For Structural Composite Lumber Core (SCLC), Add	*150.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*251.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*401.74*	
		For >50 To 100, Deduct	*-28.44*	
		For >100, Deduct	*-40.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	492.30	78.00
		For 7 Ply Cold Press Construction, Deduct	*-6.73*	
		For Stave Lumber Core (SLC), Add	*252.23*	
		For Structural Composite Lumber Core (SCLC), Add	*151.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*181.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*252.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*403.57*	
		For >50 To 100, Deduct	*-28.51*	
		For >100, Deduct	*-40.82*	
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	500.63	81.39
		For 7 Ply Cold Press Construction, Deduct	*-6.76*	
		For Stave Lumber Core (SLC), Add	*253.40*	
		For Structural Composite Lumber Core (SCLC), Add	*152.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*182.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*253.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*405.43*	
		For >50 To 100, Deduct	*-29.10*	
		For >100, Deduct	*-41.62*	
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	537.75	81.39
		For 7 Ply Cold Press Construction, Deduct	*-7.50*	
		For Stave Lumber Core (SLC), Add	*281.24*	
		For Structural Composite Lumber Core (SCLC), Add	*168.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*202.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*281.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*449.98*	
		For >50 To 100, Deduct	*-30.96*	
		For >100, Deduct	*-44.40*	
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	616.56	84.78
		For 7 Ply Cold Press Construction, Deduct	*-8.94*	
		For Stave Lumber Core (SLC), Add	*335.25*	
		For Structural Composite Lumber Core (SCLC), Add	*201.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*241.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*335.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*536.40*	
		For >50 To 100, Deduct	*-35.07*	
		For >100, Deduct	*-50.48*	
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	663.60	84.78
		For 7 Ply Cold Press Construction, Deduct	*-9.88*	
		For Stave Lumber Core (SLC), Add	*370.53*	
		For Structural Composite Lumber Core (SCLC), Add	*222.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*266.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*370.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*592.85*	
		For >50 To 100, Deduct	*-37.42*	
		For >100, Deduct	*-54.01*	
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	710.70	84.78
		For 7 Ply Cold Press Construction, Deduct	*-10.82*	
		For Stave Lumber Core (SLC), Add	*405.86*	
		For Structural Composite Lumber Core (SCLC), Add	*243.51*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*292.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*405.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*649.37*	
		For >50 To 100, Deduct	*-39.77*	
		For >100, Deduct	*-57.54*	
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	499.87	74.60
		For 7 Ply Cold Press Construction, Deduct	*-7.01*	
		For Stave Lumber Core (SLC), Add	*262.99*	
		For Structural Composite Lumber Core (SCLC), Add	*157.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*262.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*420.78*	
		For >50 To 100, Deduct	*-28.72*	
		For >100, Deduct	*-41.22*	
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	499.87	74.60
		For 7 Ply Cold Press Construction, Deduct	*-7.01*	
		For Stave Lumber Core (SLC), Add	*262.99*	
		For Structural Composite Lumber Core (SCLC), Add	*157.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*262.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*420.78*	
		For >50 To 100, Deduct	*-28.72*	
		For >100, Deduct	*-41.22*	
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	506.64	78.00
		For 7 Ply Cold Press Construction, Deduct	*-7.01*	
		For Stave Lumber Core (SLC), Add	*262.99*	
		For Structural Composite Lumber Core (SCLC), Add	*157.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*262.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*420.78*	
		For >50 To 100, Deduct	*-29.23*	
		For >100, Deduct	*-41.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	510.24	78.00
		For 7 Ply Cold Press Construction, Deduct	*-7.09*	
		For Stave Lumber Core (SLC), Add	*265.69*	
		For Structural Composite Lumber Core (SCLC), Add	*159.41*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*191.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*265.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*425.10*	
		For >50 To 100, Deduct	*-29.41*	
		For >100, Deduct	*-42.17*	
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	511.88	78.00
		For 7 Ply Cold Press Construction, Deduct	*-7.12*	
		For Stave Lumber Core (SLC), Add	*266.92*	
		For Structural Composite Lumber Core (SCLC), Add	*160.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*192.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*266.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*427.07*	
		For >50 To 100, Deduct	*-29.49*	
		For >100, Deduct	*-42.29*	
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	520.29	81.39
		For 7 Ply Cold Press Construction, Deduct	*-7.15*	
		For Stave Lumber Core (SLC), Add	*268.14*	
		For Structural Composite Lumber Core (SCLC), Add	*160.88*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*193.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*268.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*429.02*	
		For >50 To 100, Deduct	*-30.08*	
		For >100, Deduct	*-43.09*	
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	559.56	81.39
		For 7 Ply Cold Press Construction, Deduct	*-7.94*	
		For Stave Lumber Core (SLC), Add	*297.59*	
		For Structural Composite Lumber Core (SCLC), Add	*178.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*214.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*297.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*476.15*	
		For >50 To 100, Deduct	*-32.05*	
		For >100, Deduct	*-46.04*	
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	642.58	84.78
		For 7 Ply Cold Press Construction, Deduct	*-9.46*	
		For Stave Lumber Core (SLC), Add	*354.77*	
		For Structural Composite Lumber Core (SCLC), Add	*212.86*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*255.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*354.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*567.62*	
		For >50 To 100, Deduct	*-36.37*	
		For >100, Deduct	*-52.43*	
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	692.37	84.78
		For 7 Ply Cold Press Construction, Deduct	*-10.46*	
		For Stave Lumber Core (SLC), Add	*392.11*	
		For Structural Composite Lumber Core (SCLC), Add	*235.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*282.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*392.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*627.37*	
		For >50 To 100, Deduct	*-38.86*	
		For >100, Deduct	*-56.17*	
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	742.20	84.78
		For 7 Ply Cold Press Construction, Deduct	*-11.45*	
		For Stave Lumber Core (SLC), Add	*429.48*	
		For Structural Composite Lumber Core (SCLC), Add	*257.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*68.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*309.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*429.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*687.17*	
		For >50 To 100, Deduct	*-41.35*	
		For >100, Deduct	*-59.90*	
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	568.24	74.60
		For 7 Ply Cold Press Construction, Deduct	*-8.38*	
		For Stave Lumber Core (SLC), Add	*314.27*	
		For Structural Composite Lumber Core (SCLC), Add	*188.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*502.82*	
		For >50 To 100, Deduct	*-32.14*	
		For >100, Deduct	*-46.35*	
		For 9' Door Height, Add	*87.99*	
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	568.24	74.60
		For 7 Ply Cold Press Construction, Deduct	*-8.38*	
		For Stave Lumber Core (SLC), Add	*314.27*	
		For Structural Composite Lumber Core (SCLC), Add	*188.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*502.82*	
		For >50 To 100, Deduct	*-32.14*	
		For >100, Deduct	*-46.35*	
		For 9' Door Height, Add	*87.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	575.01	78.00
		For 7 Ply Cold Press Construction, Deduct	*-8.38*	
		For Stave Lumber Core (SLC), Add	*314.27*	
		For Structural Composite Lumber Core (SCLC), Add	*188.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*502.82*	
		For >50 To 100, Deduct	*-32.65*	
		For >100, Deduct	*-47.03*	
		For 9' Door Height, Add	*87.99*	
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	579.32	78.00
		For 7 Ply Cold Press Construction, Deduct	*-8.47*	
		For Stave Lumber Core (SLC), Add	*317.50*	
		For Structural Composite Lumber Core (SCLC), Add	*190.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*228.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*317.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*508.00*	
		For >50 To 100, Deduct	*-32.87*	
		For >100, Deduct	*-47.35*	
		For 9' Door Height, Add	*88.90*	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	581.28	78.00
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*318.97*	
		For Structural Composite Lumber Core (SCLC), Add	*191.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*318.97*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.35*	
		For >50 To 100, Deduct	*-32.96*	
		For >100, Deduct	*-47.50*	
		For 9' Door Height, Add	*89.31*	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	590.00	81.39
		For 7 Ply Cold Press Construction, Deduct	*-8.54*	
		For Stave Lumber Core (SLC), Add	*320.42*	
		For Structural Composite Lumber Core (SCLC), Add	*192.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*230.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*320.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*512.68*	
		For >50 To 100, Deduct	*-33.57*	
		For >100, Deduct	*-48.32*	
		For 9' Door Height, Add	*89.72*	
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	636.93	81.39
		For 7 Ply Cold Press Construction, Deduct	*-9.48*	
		For Stave Lumber Core (SLC), Add	*355.62*	
		For Structural Composite Lumber Core (SCLC), Add	*213.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*256.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*355.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*568.99*	
		For >50 To 100, Deduct	*-35.92*	
		For >100, Deduct	*-51.84*	
		For 9' Door Height, Add	*99.57*	
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	734.81	84.78
		For 7 Ply Cold Press Construction, Deduct	*-11.31*	
		For Stave Lumber Core (SLC), Add	*423.94*	
		For Structural Composite Lumber Core (SCLC), Add	*254.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*67.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*305.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*423.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*678.30*	
		For >50 To 100, Deduct	*-40.98*	
		For >100, Deduct	*-59.35*	
		For 9' Door Height, Add	*118.70*	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	794.31	84.78
		For 7 Ply Cold Press Construction, Deduct	*-12.50*	
		For Stave Lumber Core (SLC), Add	*468.56*	
		For Structural Composite Lumber Core (SCLC), Add	*281.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*337.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*468.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*749.70*	
		For >50 To 100, Deduct	*-43.95*	
		For >100, Deduct	*-63.81*	
		For 9' Door Height, Add	*131.20*	
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	853.84	84.78
		For 7 Ply Cold Press Construction, Deduct	*-13.69*	
		For Stave Lumber Core (SLC), Add	*513.21*	
		For Structural Composite Lumber Core (SCLC), Add	*307.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*82.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*369.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*513.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*821.14*	
		For >50 To 100, Deduct	*-46.93*	
		For >100, Deduct	*-68.28*	
		For 9' Door Height, Add	*143.70*	

08 14 16 00-0534 Walnut Faced Wood Doors *(08 14 16 00-0440)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	751.16	74.60
		For 7 Ply Cold Press Construction, Deduct	*-12.04*	
		For Stave Lumber Core (SLC), Add	*451.46*	
		For Structural Composite Lumber Core (SCLC), Add	*270.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*72.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*325.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*451.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*722.33*	
		For >50 To 100, Deduct	*-41.29*	
		For >100, Deduct	*-60.07*	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	751.16	74.60
		For 7 Ply Cold Press Construction, Deduct	*-12.04*	
		For Stave Lumber Core (SLC), Add	*451.46*	
		For Structural Composite Lumber Core (SCLC), Add	*270.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*72.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*325.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*451.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*722.33*	
		For >50 To 100, Deduct	*-41.29*	
		For >100, Deduct	*-60.07*	
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	758.13	78.00
		For 7 Ply Cold Press Construction, Deduct	*-12.04*	
		For Stave Lumber Core (SLC), Add	*451.61*	
		For Structural Composite Lumber Core (SCLC), Add	*270.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*72.26*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*325.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*451.61*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*722.57*	
		For >50 To 100, Deduct	*-41.81*	
		For >100, Deduct	*-60.76*	
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	764.33	78.00
		For 7 Ply Cold Press Construction, Deduct	*-12.17*	
		For Stave Lumber Core (SLC), Add	*456.26*	
		For Structural Composite Lumber Core (SCLC), Add	*273.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*73.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*328.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*456.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*730.01*	
		For >50 To 100, Deduct	*-42.12*	
		For >100, Deduct	*-61.22*	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	780.56	78.00
		For 7 Ply Cold Press Construction, Deduct	*-12.49*	
		For Stave Lumber Core (SLC), Add	*468.43*	
		For Structural Composite Lumber Core (SCLC), Add	*281.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*337.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*468.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*749.48*	
		For >50 To 100, Deduct	*-42.93*	
		For >100, Deduct	*-62.44*	
08 14 16 00-0540	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	803.53	81.39
		For 7 Ply Cold Press Construction, Deduct	*-12.82*	
		For Stave Lumber Core (SLC), Add	*480.57*	
		For Structural Composite Lumber Core (SCLC), Add	*288.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*346.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.91*	
		For >50 To 100, Deduct	*-44.25*	
		For >100, Deduct	*-64.33*	
08 14 16 00-0541	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	845.61	81.39
		For 7 Ply Cold Press Construction, Deduct	*-13.66*	
		For Stave Lumber Core (SLC), Add	*512.13*	
		For Structural Composite Lumber Core (SCLC), Add	*307.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*81.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*368.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*512.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*819.41*	
		For >50 To 100, Deduct	*-46.35*	
		For >100, Deduct	*-67.49*	
08 14 16 00-0542	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,030.01	84.78
		For 7 Ply Cold Press Construction, Deduct	*-17.21*	
		For Stave Lumber Core (SLC), Add	*645.34*	
		For Structural Composite Lumber Core (SCLC), Add	*387.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*103.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*464.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*645.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,032.54*	
		For >50 To 100, Deduct	*-55.74*	
		For >100, Deduct	*-81.49*	
08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,073.02	84.78
		For 7 Ply Cold Press Construction, Deduct	*-18.07*	
		For Stave Lumber Core (SLC), Add	*677.60*	
		For Structural Composite Lumber Core (SCLC), Add	*406.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*108.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*487.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*677.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,084.15*	
		For >50 To 100, Deduct	*-57.89*	
		For >100, Deduct	*-84.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,159.11	84.78
		For 7 Ply Cold Press Construction, Deduct	*-19.79*	
		For Stave Lumber Core (SLC), Add	*742.16*	
		For Structural Composite Lumber Core (SCLC), Add	*445.30*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*118.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*534.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*742.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,187.46*	
		For >50 To 100, Deduct	*-62.19*	
		For >100, Deduct	*-91.17*	
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	786.19	74.60
		For 7 Ply Cold Press Construction, Deduct	*-12.74*	
		For Stave Lumber Core (SLC), Add	*477.73*	
		For Structural Composite Lumber Core (SCLC), Add	*286.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*343.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*477.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*764.36*	
		For >50 To 100, Deduct	*-43.04*	
		For >100, Deduct	*-62.69*	
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	786.19	74.60
		For 7 Ply Cold Press Construction, Deduct	*-12.74*	
		For Stave Lumber Core (SLC), Add	*477.73*	
		For Structural Composite Lumber Core (SCLC), Add	*286.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*343.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*477.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*764.36*	
		For >50 To 100, Deduct	*-43.04*	
		For >100, Deduct	*-62.69*	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	793.15	78.00
		For 7 Ply Cold Press Construction, Deduct	*-12.74*	
		For Stave Lumber Core (SLC), Add	*477.87*	
		For Structural Composite Lumber Core (SCLC), Add	*286.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*344.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*477.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*764.59*	
		For >50 To 100, Deduct	*-43.56*	
		For >100, Deduct	*-63.39*	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	799.74	78.00
		For 7 Ply Cold Press Construction, Deduct	*-12.88*	
		For Stave Lumber Core (SLC), Add	*482.81*	
		For Structural Composite Lumber Core (SCLC), Add	*289.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*77.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*347.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*482.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*772.50*	
		For >50 To 100, Deduct	*-43.89*	
		For >100, Deduct	*-63.88*	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	816.90	78.00
		For 7 Ply Cold Press Construction, Deduct	*-13.22*	
		For Stave Lumber Core (SLC), Add	*495.68*	
		For Structural Composite Lumber Core (SCLC), Add	*297.41*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*79.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*356.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*495.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*793.09*	
		For >50 To 100, Deduct	*-44.74*	
		For >100, Deduct	*-65.17*	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	840.81	81.39
		For 7 Ply Cold Press Construction, Deduct	*-13.56*	
		For Stave Lumber Core (SLC), Add	*508.53*	
		For Structural Composite Lumber Core (SCLC), Add	*305.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*81.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*366.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*508.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*813.65*	
		For >50 To 100, Deduct	*-46.11*	
		For >100, Deduct	*-67.13*	
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	885.36	81.39
		For 7 Ply Cold Press Construction, Deduct	*-14.45*	
		For Stave Lumber Core (SLC), Add	*541.94*	
		For Structural Composite Lumber Core (SCLC), Add	*325.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*86.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*390.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*541.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*867.11*	
		For >50 To 100, Deduct	*-48.34*	
		For >100, Deduct	*-70.47*	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,080.07	84.78
		For 7 Ply Cold Press Construction, Deduct	*-18.21*	
		For Stave Lumber Core (SLC), Add	*682.88*	
		For Structural Composite Lumber Core (SCLC), Add	*409.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*109.26*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*491.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*682.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,092.61*	
		For >50 To 100, Deduct	*-58.24*	
		For >100, Deduct	*-85.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,125.59	84.78
		For 7 Ply Cold Press Construction, Deduct	*-19.12*	
		For Stave Lumber Core (SLC), Add	*717.02*	
		For Structural Composite Lumber Core (SCLC), Add	*430.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*114.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*516.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*717.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,147.24*	
		For >50 To 100, Deduct	*-60.52*	
		For >100, Deduct	*-88.66*	
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,216.68	84.78
		For 7 Ply Cold Press Construction, Deduct	*-20.94*	
		For Stave Lumber Core (SLC), Add	*785.34*	
		For Structural Composite Lumber Core (SCLC), Add	*471.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*125.65*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*565.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*785.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,256.54*	
		For >50 To 100, Deduct	*-65.07*	
		For >100, Deduct	*-95.49*	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	910.40	74.60
		For 7 Ply Cold Press Construction, Deduct	*-15.22*	
		For Stave Lumber Core (SLC), Add	*570.89*	
		For Structural Composite Lumber Core (SCLC), Add	*342.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*91.34*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*411.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*570.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*913.42*	
		For >50 To 100, Deduct	*-49.25*	
		For >100, Deduct	*-72.01*	
		For 9' Door Height, Add	*159.85*	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	910.40	74.60
		For 7 Ply Cold Press Construction, Deduct	*-15.22*	
		For Stave Lumber Core (SLC), Add	*570.89*	
		For Structural Composite Lumber Core (SCLC), Add	*342.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*91.34*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*411.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*570.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*913.42*	
		For >50 To 100, Deduct	*-49.25*	
		For >100, Deduct	*-72.01*	
		For 9' Door Height, Add	*159.85*	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	917.41	78.00
		For 7 Ply Cold Press Construction, Deduct	*-15.23*	
		For Stave Lumber Core (SLC), Add	*571.07*	
		For Structural Composite Lumber Core (SCLC), Add	*342.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*91.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*411.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*571.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*913.70*	
		For >50 To 100, Deduct	*-49.77*	
		For >100, Deduct	*-72.71*	
		For 9' Door Height, Add	*159.90*	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	925.27	78.00
		For 7 Ply Cold Press Construction, Deduct	*-15.39*	
		For Stave Lumber Core (SLC), Add	*576.96*	
		For Structural Composite Lumber Core (SCLC), Add	*346.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*92.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*415.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*576.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*923.14*	
		For >50 To 100, Deduct	*-50.16*	
		For >100, Deduct	*-73.30*	
		For 9' Door Height, Add	*161.55*	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	945.77	78.00
		For 7 Ply Cold Press Construction, Deduct	*-15.80*	
		For Stave Lumber Core (SLC), Add	*592.34*	
		For Structural Composite Lumber Core (SCLC), Add	*355.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*94.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*426.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*592.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*947.74*	
		For >50 To 100, Deduct	*-51.19*	
		For >100, Deduct	*-74.83*	
		For 9' Door Height, Add	*165.85*	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	973.04	81.39
		For 7 Ply Cold Press Construction, Deduct	*-16.21*	
		For Stave Lumber Core (SLC), Add	*607.70*	
		For Structural Composite Lumber Core (SCLC), Add	*364.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*97.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*437.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*607.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*972.32*	
		For >50 To 100, Deduct	*-52.72*	
		For >100, Deduct	*-77.05*	
		For 9' Door Height, Add	*170.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,026.28	81.39
		For 7 Ply Cold Press Construction, Deduct	*-17.27*	
		For Stave Lumber Core (SLC), Add	*647.63*	
		For Structural Composite Lumber Core (SCLC), Add	*388.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*103.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*466.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*647.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,036.21*	
		For >50 To 100, Deduct	*-55.38*	
		For >100, Deduct	*-81.04*	
		For 9' Door Height, Add	*181.34*	
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,257.64	84.78
		For 7 Ply Cold Press Construction, Deduct	*-21.76*	
		For Stave Lumber Core (SLC), Add	*816.06*	
		For Structural Composite Lumber Core (SCLC), Add	*489.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*130.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*587.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*816.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,305.70*	
		For >50 To 100, Deduct	*-67.12*	
		For >100, Deduct	*-98.56*	
		For 9' Door Height, Add	*228.50*	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,312.03	84.78
		For 7 Ply Cold Press Construction, Deduct	*-22.85*	
		For Stave Lumber Core (SLC), Add	*856.85*	
		For Structural Composite Lumber Core (SCLC), Add	*514.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*137.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*616.93*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*856.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,370.96*	
		For >50 To 100, Deduct	*-69.84*	
		For >100, Deduct	*-102.64*	
		For 9' Door Height, Add	*239.92*	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,420.87	84.78
		For 7 Ply Cold Press Construction, Deduct	*-25.03*	
		For Stave Lumber Core (SLC), Add	*938.48*	
		For Structural Composite Lumber Core (SCLC), Add	*563.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*150.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*675.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*938.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,501.57*	
		For >50 To 100, Deduct	*-75.28*	
		For >100, Deduct	*-110.80*	
		For 9' Door Height, Add	*262.78*	

08 14 16 00-0565 Lauan Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0566	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	304.73	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.61*	
		For >50 To 100, Deduct	*-18.97*	
		For >100, Deduct	*-26.59*	
08 14 16 00-0567	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	304.73	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.61*	
		For >50 To 100, Deduct	*-18.97*	
		For >100, Deduct	*-26.59*	
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	311.95	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.97*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*187.15*	
		For >50 To 100, Deduct	*-19.50*	
		For >100, Deduct	*-27.30*	
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	316.43	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*120.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*192.53*	
		For >50 To 100, Deduct	*-19.72*	
		For >100, Deduct	*-27.63*	
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	318.05	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*87.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*121.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*194.47*	
		For >50 To 100, Deduct	*-19.80*	
		For >100, Deduct	*-27.75*	
08 14 16 00-0571	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	326.45	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*122.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*196.42*	
		For >50 To 100, Deduct	*-20.39*	
		For >100, Deduct	*-28.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0572	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	341.24	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*96.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*214.16*	
		For >50 To 100, Deduct	*-21.13*	
		For >100, Deduct	*-29.66*	
08 14 16 00-0573	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	360.76	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*143.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*229.44*	
		For >50 To 100, Deduct	*-22.28*	
		For >100, Deduct	*-31.30*	
08 14 16 00-0574	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	370.32	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*150.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*240.91*	
		For >50 To 100, Deduct	*-22.76*	
		For >100, Deduct	*-32.01*	
08 14 16 00-0575	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	389.45	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*263.87*	
		For >50 To 100, Deduct	*-23.71*	
		For >100, Deduct	*-33.45*	
08 14 16 00-0576	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	313.77	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.46*	
		For >50 To 100, Deduct	*-19.42*	
		For >100, Deduct	*-27.26*	
08 14 16 00-0577	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	313.77	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.46*	
		For >50 To 100, Deduct	*-19.42*	
		For >100, Deduct	*-27.26*	
08 14 16 00-0578	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	321.02	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.12*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*198.04*	
		For >50 To 100, Deduct	*-19.95*	
		For >100, Deduct	*-27.98*	
08 14 16 00-0579	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	325.76	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*203.72*	
		For >50 To 100, Deduct	*-20.19*	
		For >100, Deduct	*-28.33*	
08 14 16 00-0580	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	327.49	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*128.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*205.80*	
		For >50 To 100, Deduct	*-20.27*	
		For >100, Deduct	*-28.46*	
08 14 16 00-0581	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	335.97	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*93.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*129.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*207.84*	
		For >50 To 100, Deduct	*-20.87*	
		For >100, Deduct	*-29.27*	
08 14 16 00-0582	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	351.62	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*141.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*226.62*	
		For >50 To 100, Deduct	*-21.65*	
		For >100, Deduct	*-30.44*	
08 14 16 00-0583	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	371.89	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.80*	
		For >50 To 100, Deduct	*-22.83*	
		For >100, Deduct	*-32.13*	
08 14 16 00-0584	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	382.00	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.93*	
		For >50 To 100, Deduct	*-23.34*	
		For >100, Deduct	*-32.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0585	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	402.25	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.92*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*125.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*174.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*279.23*	
		For >50 To 100, Deduct	*-24.35*	
		For >100, Deduct	*-34.41*	
08 14 16 00-0586	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	345.84	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.94*	
		For >50 To 100, Deduct	*-21.02*	
		For >100, Deduct	*-29.67*	
		For 9' Door Height, Add	*41.29*	
08 14 16 00-0587	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	345.84	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.94*	
		For >50 To 100, Deduct	*-21.02*	
		For >100, Deduct	*-29.67*	
		For 9' Door Height, Add	*41.29*	
08 14 16 00-0588	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	353.19	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*236.64*	
		For >50 To 100, Deduct	*-21.56*	
		For >100, Deduct	*-30.39*	
		For 9' Door Height, Add	*41.41*	
08 14 16 00-0589	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	358.87	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*243.46*	
		For >50 To 100, Deduct	*-21.84*	
		For >100, Deduct	*-30.82*	
		For 9' Door Height, Add	*42.60*	
08 14 16 00-0590	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	360.93	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.71*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.93*	
		For >50 To 100, Deduct	*-21.95*	
		For >100, Deduct	*-30.97*	
		For 9' Door Height, Add	*43.04*	
08 14 16 00-0591	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	369.76	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.84*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.39*	
		For >50 To 100, Deduct	*-22.56*	
		For >100, Deduct	*-31.80*	
		For 9' Door Height, Add	*43.47*	
08 14 16 00-0592	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	388.46	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*169.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*270.83*	
		For >50 To 100, Deduct	*-23.49*	
		For >100, Deduct	*-33.20*	
		For 9' Door Height, Add	*47.39*	
08 14 16 00-0593	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	411.34	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*130.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*181.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*290.14*	
		For >50 To 100, Deduct	*-24.81*	
		For >100, Deduct	*-35.09*	
		For 9' Door Height, Add	*50.77*	
08 14 16 00-0594	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	423.42	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*190.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*304.63*	
		For >50 To 100, Deduct	*-25.41*	
		For >100, Deduct	*-36.00*	
		For 9' Door Height, Add	*53.31*	
08 14 16 00-0595	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	447.62	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*150.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*208.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*333.67*	
		For >50 To 100, Deduct	*-26.62*	
		For >100, Deduct	*-37.81*	
		For 9' Door Height, Add	*58.39*	

08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors *(08 14 16 00-0440)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0597	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.16	74.60
		For Stave Lumber Core (SLC), Add	*101.21*	
		For Structural Composite Lumber Core (SCLC), Add	*60.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.19*	
		For >50 To 100, Deduct	*-17.94*	
		For >100, Deduct	*-25.04*	
08 14 16 00-0598	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.16	74.60
		For Stave Lumber Core (SLC), Add	*101.21*	
		For Structural Composite Lumber Core (SCLC), Add	*60.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.19*	
		For >50 To 100, Deduct	*-17.94*	
		For >100, Deduct	*-25.04*	
08 14 16 00-0599	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	298.74	78.00
		For Stave Lumber Core (SLC), Add	*107.06*	
		For Structural Composite Lumber Core (SCLC), Add	*64.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.13*	
		For >50 To 100, Deduct	*-18.84*	
		For >100, Deduct	*-26.31*	
08 14 16 00-0600	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	306.54	78.00
		For Stave Lumber Core (SLC), Add	*112.91*	
		For Structural Composite Lumber Core (SCLC), Add	*67.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.07*	
		For >50 To 100, Deduct	*-19.23*	
		For >100, Deduct	*-26.89*	
08 14 16 00-0601	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	307.99	78.00
		For Stave Lumber Core (SLC), Add	*114.00*	
		For Structural Composite Lumber Core (SCLC), Add	*68.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.24*	
		For >50 To 100, Deduct	*-19.30*	
		For >100, Deduct	*-27.00*	
08 14 16 00-0602	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	316.24	81.39
		For Stave Lumber Core (SLC), Add	*115.10*	
		For Structural Composite Lumber Core (SCLC), Add	*69.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.42*	
		For >50 To 100, Deduct	*-19.88*	
		For >100, Deduct	*-27.79*	
08 14 16 00-0603	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	333.16	81.39
		For Stave Lumber Core (SLC), Add	*127.79*	
		For Structural Composite Lumber Core (SCLC), Add	*76.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.45*	
		For >50 To 100, Deduct	*-20.73*	
		For >100, Deduct	*-29.06*	
08 14 16 00-0604	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	370.84	84.78
		For Stave Lumber Core (SLC), Add	*150.96*	
		For Structural Composite Lumber Core (SCLC), Add	*90.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.15*	
		For >50 To 100, Deduct	*-22.78*	
		For >100, Deduct	*-32.05*	
08 14 16 00-0605	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	380.91	84.78
		For Stave Lumber Core (SLC), Add	*158.51*	
		For Structural Composite Lumber Core (SCLC), Add	*95.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.36*	
		For >50 To 100, Deduct	*-23.28*	
		For >100, Deduct	*-32.81*	
08 14 16 00-0606	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	401.02	84.78
		For Stave Lumber Core (SLC), Add	*173.60*	
		For Structural Composite Lumber Core (SCLC), Add	*104.16*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.78*	
		For >50 To 100, Deduct	*-24.29*	
		For >100, Deduct	*-34.32*	
08 14 16 00-0607	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	292.02	74.60
		For Stave Lumber Core (SLC), Add	*107.10*	
		For Structural Composite Lumber Core (SCLC), Add	*64.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.14*	
		For >50 To 100, Deduct	*-18.33*	
		For >100, Deduct	*-25.63*	
08 14 16 00-0608	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	292.02	74.60
		For Stave Lumber Core (SLC), Add	*107.10*	
		For Structural Composite Lumber Core (SCLC), Add	*64.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.14*	
		For >50 To 100, Deduct	*-18.33*	
		For >100, Deduct	*-25.63*	
08 14 16 00-0609	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	307.06	78.00
		For Stave Lumber Core (SLC), Add	*113.30*	
		For Structural Composite Lumber Core (SCLC), Add	*67.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.13*	
		For >50 To 100, Deduct	*-19.25*	
		For >100, Deduct	*-26.93*	
08 14 16 00-0610	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	315.31	78.00
		For Stave Lumber Core (SLC), Add	*119.49*	
		For Structural Composite Lumber Core (SCLC), Add	*71.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.12*	
		For >50 To 100, Deduct	*-19.67*	
		For >100, Deduct	*-27.55*	
08 14 16 00-0611	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	316.84	78.00
		For Stave Lumber Core (SLC), Add	*120.64*	
		For Structural Composite Lumber Core (SCLC), Add	*72.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.30*	
		For >50 To 100, Deduct	*-19.74*	
		For >100, Deduct	*-27.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0612	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	325.18	81.39
		For Stave Lumber Core (SLC), Add	*121.81*	
		For Structural Composite Lumber Core (SCLC), Add	*73.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.49*	
		For >50 To 100, Deduct	*-20.33*	
		For >100, Deduct	*-28.46*	
08 14 16 00-0613	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	343.07	81.39
		For Stave Lumber Core (SLC), Add	*135.23*	
		For Structural Composite Lumber Core (SCLC), Add	*81.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.64*	
		For >50 To 100, Deduct	*-21.22*	
		For >100, Deduct	*-29.80*	
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	382.55	84.78
		For Stave Lumber Core (SLC), Add	*159.74*	
		For Structural Composite Lumber Core (SCLC), Add	*95.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.56*	
		For >50 To 100, Deduct	*-23.37*	
		For >100, Deduct	*-32.93*	
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	393.21	84.78
		For Stave Lumber Core (SLC), Add	*167.74*	
		For Structural Composite Lumber Core (SCLC), Add	*100.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.84*	
		For >50 To 100, Deduct	*-23.90*	
		For >100, Deduct	*-33.73*	
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	414.50	84.78
		For Stave Lumber Core (SLC), Add	*183.71*	
		For Structural Composite Lumber Core (SCLC), Add	*110.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.39*	
		For >50 To 100, Deduct	*-24.96*	
		For >100, Deduct	*-35.33*	
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	319.86	74.60
		For Stave Lumber Core (SLC), Add	*127.98*	
		For Structural Composite Lumber Core (SCLC), Add	*76.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.48*	
		For >50 To 100, Deduct	*-19.72*	
		For >100, Deduct	*-27.72*	
		For 9' Door Height, Add	*35.83*	
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	319.86	74.60
		For Stave Lumber Core (SLC), Add	*127.98*	
		For Structural Composite Lumber Core (SCLC), Add	*76.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.48*	
		For >50 To 100, Deduct	*-19.72*	
		For >100, Deduct	*-27.72*	
		For 9' Door Height, Add	*35.83*	
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	336.52	78.00
		For Stave Lumber Core (SLC), Add	*135.40*	
		For Structural Composite Lumber Core (SCLC), Add	*81.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.66*	
		For >50 To 100, Deduct	*-20.73*	
		For >100, Deduct	*-29.14*	
		For 9' Door Height, Add	*37.91*	
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	346.38	78.00
		For Stave Lumber Core (SLC), Add	*142.79*	
		For Structural Composite Lumber Core (SCLC), Add	*85.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.85*	
		For >50 To 100, Deduct	*-21.22*	
		For >100, Deduct	*-29.88*	
		For 9' Door Height, Add	*39.98*	
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	348.21	78.00
		For Stave Lumber Core (SLC), Add	*144.17*	
		For Structural Composite Lumber Core (SCLC), Add	*86.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.07*	
		For >50 To 100, Deduct	*-21.31*	
		For >100, Deduct	*-30.02*	
		For 9' Door Height, Add	*40.37*	
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	356.85	81.39
		For Stave Lumber Core (SLC), Add	*145.56*	
		For Structural Composite Lumber Core (SCLC), Add	*87.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.29*	
		For >50 To 100, Deduct	*-21.91*	
		For >100, Deduct	*-30.83*	
		For 9' Door Height, Add	*40.76*	
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	378.23	81.39
		For Stave Lumber Core (SLC), Add	*161.60*	
		For Structural Composite Lumber Core (SCLC), Add	*96.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.86*	
		For >50 To 100, Deduct	*-22.98*	
		For >100, Deduct	*-32.44*	
		For 9' Door Height, Add	*45.25*	
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	424.07	84.78
		For Stave Lumber Core (SLC), Add	*190.88*	
		For Structural Composite Lumber Core (SCLC), Add	*114.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.54*	
		For >50 To 100, Deduct	*-25.44*	
		For >100, Deduct	*-36.04*	
		For 9' Door Height, Add	*53.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0625	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	436.82	84.78
		For Stave Lumber Core (SLC), Add	*200.45*	
		For Structural Composite Lumber Core (SCLC), Add	*120.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.07*	
		For >50 To 100, Deduct	*-26.08*	
		For >100, Deduct	*-37.00*	
		For 9' Door Height, Add	*56.12*	
08 14 16 00-0626	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	462.26	84.78
		For Stave Lumber Core (SLC), Add	*219.53*	
		For Structural Composite Lumber Core (SCLC), Add	*131.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.12*	
		For >50 To 100, Deduct	*-27.35*	
		For >100, Deduct	*-38.91*	
		For 9' Door Height, Add	*61.47*	

08 14 16 00-0627 Manufacturer Prefinished Options For Flush Wood Doors *(08 14 16)*

08 14 16 00-0628	EA	Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (2) coats any standard manufacturer color on six sides.	76.36	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*25.43*	
08 14 16 00-0629	EA	Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (3) coats any standard manufacturer color on six sides.	114.54	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*25.43*	

08 14 23 Clad Wood Doors *(08 14)*

08 14 23 13 Metal-Faced Wood Doors *(08 14 23)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core *(08 14 23 13)*

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	721.59	166.85
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	773.85	183.13
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	834.46	202.12
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	870.56	208.89
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	935.07	229.92
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	1,006.54	237.39

08 14 23 16 Plastic-Laminate-Faced Wood Doors *(08 14 23)*

08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	334.55	74.60
		For Structural Composite Lumber Core (SCLC), Add	*83.40*	
		For 5 Ply Construction, Add	*6.49*	
		For >50 To 100, Deduct	*-20.46*	
		For >100, Deduct	*-28.82*	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	334.55	74.60
		For Structural Composite Lumber Core (SCLC), Add	*83.40*	
		For 5 Ply Construction, Add	*6.49*	
		For >50 To 100, Deduct	*-20.46*	
		For >100, Deduct	*-28.82*	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	351.51	78.00
		For Structural Composite Lumber Core (SCLC), Add	*87.98*	
		For 5 Ply Construction, Add	*6.84*	
		For >50 To 100, Deduct	*-21.48*	
		For >100, Deduct	*-30.26*	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	361.71	78.00
		For Structural Composite Lumber Core (SCLC), Add	*92.57*	
		For 5 Ply Construction, Add	*7.20*	
		For >50 To 100, Deduct	*-21.99*	
		For >100, Deduct	*-31.03*	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	366.85	78.00
		For Structural Composite Lumber Core (SCLC), Add	*94.89*	
		For 5 Ply Construction, Add	*7.38*	
		For >50 To 100, Deduct	*-22.24*	
		For >100, Deduct	*-31.41*	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	378.75	81.39
		For Structural Composite Lumber Core (SCLC), Add	*97.19*	
		For 5 Ply Construction, Add	*7.56*	
		For >50 To 100, Deduct	*-23.01*	
		For >100, Deduct	*-32.48*	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	402.50	81.39
		For Structural Composite Lumber Core (SCLC), Add	*107.88*	
		For 5 Ply Construction, Add	*8.39*	
		For >50 To 100, Deduct	*-24.19*	
		For >100, Deduct	*-34.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	424.63	84.78
		For Structural Composite Lumber Core (SCLC), Add	*114.78*	
		For 5 Ply Construction, Add	*8.93*	
		For >50 To 100, Deduct	*-25.47*	
		For >100, Deduct	*-36.09*	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	345.34	74.60
		For Structural Composite Lumber Core (SCLC), Add	*88.25*	
		For 5 Ply Construction, Add	*6.86*	
		For >50 To 100, Deduct	*-21.00*	
		For >100, Deduct	*-29.63*	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	345.33	74.60
		For Structural Composite Lumber Core (SCLC), Add	*88.25*	
		For 5 Ply Construction, Add	*6.86*	
		For >50 To 100, Deduct	*-21.00*	
		For >100, Deduct	*-29.63*	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	362.90	78.00
		For Structural Composite Lumber Core (SCLC), Add	*93.11*	
		For 5 Ply Construction, Add	*7.24*	
		For >50 To 100, Deduct	*-22.04*	
		For >100, Deduct	*-31.12*	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	373.68	78.00
		For Structural Composite Lumber Core (SCLC), Add	*97.96*	
		For 5 Ply Construction, Add	*7.62*	
		For >50 To 100, Deduct	*-22.58*	
		For >100, Deduct	*-31.93*	
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	379.12	78.00
		For Structural Composite Lumber Core (SCLC), Add	*100.41*	
		For 5 Ply Construction, Add	*7.81*	
		For >50 To 100, Deduct	*-22.86*	
		For >100, Deduct	*-32.33*	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	391.32	81.39
		For Structural Composite Lumber Core (SCLC), Add	*102.85*	
		For 5 Ply Construction, Add	*8.00*	
		For >50 To 100, Deduct	*-23.64*	
		For >100, Deduct	*-33.42*	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	416.45	81.39
		For Structural Composite Lumber Core (SCLC), Add	*114.16*	
		For 5 Ply Construction, Add	*8.88*	
		For >50 To 100, Deduct	*-24.89*	
		For >100, Deduct	*-35.30*	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	439.47	84.78
		For Structural Composite Lumber Core (SCLC), Add	*121.46*	
		For 5 Ply Construction, Add	*9.45*	
		For >50 To 100, Deduct	*-26.21*	
		For >100, Deduct	*-37.20*	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	383.58	74.60
		For Structural Composite Lumber Core (SCLC), Add	*105.46*	
		For 5 Ply Construction, Add	*8.20*	
		For >50 To 100, Deduct	*-22.91*	
		For >100, Deduct	*-32.50*	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	383.58	74.60
		For Structural Composite Lumber Core (SCLC), Add	*105.46*	
		For 5 Ply Construction, Add	*8.20*	
		For >50 To 100, Deduct	*-22.91*	
		For >100, Deduct	*-32.50*	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	403.25	78.00
		For Structural Composite Lumber Core (SCLC), Add	*111.27*	
		For 5 Ply Construction, Add	*8.65*	
		For >50 To 100, Deduct	*-24.06*	
		For >100, Deduct	*-34.14*	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	416.14	78.00
		For Structural Composite Lumber Core (SCLC), Add	*117.07*	
		For 5 Ply Construction, Add	*9.11*	
		For >50 To 100, Deduct	*-24.71*	
		For >100, Deduct	*-35.11*	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	422.63	78.00
		For Structural Composite Lumber Core (SCLC), Add	*119.99*	
		For 5 Ply Construction, Add	*9.33*	
		For >50 To 100, Deduct	*-25.03*	
		For >100, Deduct	*-35.60*	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	435.89	81.39
		For Structural Composite Lumber Core (SCLC), Add	*122.90*	
		For 5 Ply Construction, Add	*9.56*	
		For >50 To 100, Deduct	*-25.86*	
		For >100, Deduct	*-36.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	465.91	81.39
		For Structural Composite Lumber Core (SCLC), Add	*136.41*	
		For 5 Ply Construction, Add	*10.61*	
		For >50 To 100, Deduct	*-27.36*	
		For >100, Deduct	*-39.01*	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	492.10	84.78
		For Structural Composite Lumber Core (SCLC), Add	*145.14*	
		For 5 Ply Construction, Add	*11.29*	
		For >50 To 100, Deduct	*-28.84*	
		For >100, Deduct	*-41.15*	

08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	464.97	74.60
		For 5 Ply Construction, Add	*11.05*	
		For Stave Lumber Core (SLC), Add	*236.81*	
		For Structural Composite Lumber Core (SCLC), Add	*142.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*170.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*236.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*378.90*	
		For >50 To 100, Deduct	*-26.98*	
		For >100, Deduct	*-38.60*	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	464.95	74.60
		For 5 Ply Construction, Add	*11.05*	
		For Stave Lumber Core (SLC), Add	*236.80*	
		For Structural Composite Lumber Core (SCLC), Add	*142.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*170.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*236.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*378.88*	
		For >50 To 100, Deduct	*-26.98*	
		For >100, Deduct	*-38.60*	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	481.60	78.00
		For 5 Ply Construction, Add	*11.40*	
		For Stave Lumber Core (SLC), Add	*244.21*	
		For Structural Composite Lumber Core (SCLC), Add	*146.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*244.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*390.73*	
		For >50 To 100, Deduct	*-27.98*	
		For >100, Deduct	*-40.02*	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	481.60	78.00
		For 5 Ply Construction, Add	*11.40*	
		For Stave Lumber Core (SLC), Add	*244.21*	
		For Structural Composite Lumber Core (SCLC), Add	*146.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*244.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*390.73*	
		For >50 To 100, Deduct	*-27.98*	
		For >100, Deduct	*-40.02*	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	501.16	78.00
		For 5 Ply Construction, Add	*12.08*	
		For Stave Lumber Core (SLC), Add	*258.88*	
		For Structural Composite Lumber Core (SCLC), Add	*155.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*414.20*	
		For >50 To 100, Deduct	*-28.96*	
		For >100, Deduct	*-41.49*	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	527.49	81.39
		For 5 Ply Construction, Add	*12.77*	
		For Stave Lumber Core (SLC), Add	*273.54*	
		For Structural Composite Lumber Core (SCLC), Add	*164.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*196.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*437.66*	
		For >50 To 100, Deduct	*-30.44*	
		For >100, Deduct	*-43.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	547.48	81.39
		For 5 Ply Construction, Add	*13.46*	
		For Stave Lumber Core (SLC), Add	*288.53*	
		For Structural Composite Lumber Core (SCLC), Add	*173.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*288.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*461.65*	
		For >50 To 100, Deduct	*-31.44*	
		For >100, Deduct	*-45.13*	
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	564.25	84.78
		For 5 Ply Construction, Add	*13.81*	
		For Stave Lumber Core (SLC), Add	*296.02*	
		For Structural Composite Lumber Core (SCLC), Add	*177.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*296.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*473.63*	
		For >50 To 100, Deduct	*-32.45*	
		For >100, Deduct	*-46.56*	
08 14 23 16-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	583.98	84.78
		For 5 Ply Construction, Add	*14.50*	
		For Stave Lumber Core (SLC), Add	*310.82*	
		For Structural Composite Lumber Core (SCLC), Add	*186.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*223.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*310.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*497.30*	
		For >50 To 100, Deduct	*-33.44*	
		For >100, Deduct	*-48.04*	
08 14 23 16-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	637.02	91.56
		For 5 Ply Construction, Add	*15.89*	
		For Stave Lumber Core (SLC), Add	*340.42*	
		For Structural Composite Lumber Core (SCLC), Add	*204.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.47*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*245.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*340.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*544.67*	
		For >50 To 100, Deduct	*-36.43*	
		For >100, Deduct	*-52.35*	
08 14 23 16-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	483.35	74.60
		For 5 Ply Construction, Add	*11.69*	
		For Stave Lumber Core (SLC), Add	*250.60*	
		For Structural Composite Lumber Core (SCLC), Add	*150.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.96*	
		For >50 To 100, Deduct	*-27.90*	
		For >100, Deduct	*-39.98*	
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	483.33	74.60
		For 5 Ply Construction, Add	*11.69*	
		For Stave Lumber Core (SLC), Add	*250.58*	
		For Structural Composite Lumber Core (SCLC), Add	*150.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.93*	
		For >50 To 100, Deduct	*-27.90*	
		For >100, Deduct	*-39.98*	
08 14 23 16-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	500.56	78.00
		For 5 Ply Construction, Add	*12.06*	
		For Stave Lumber Core (SLC), Add	*258.43*	
		For Structural Composite Lumber Core (SCLC), Add	*155.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*413.48*	
		For >50 To 100, Deduct	*-28.93*	
		For >100, Deduct	*-41.44*	
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	500.56	78.00
		For 5 Ply Construction, Add	*12.06*	
		For Stave Lumber Core (SLC), Add	*258.43*	
		For Structural Composite Lumber Core (SCLC), Add	*155.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*413.48*	
		For >50 To 100, Deduct	*-28.93*	
		For >100, Deduct	*-41.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	521.25	78.00
		For 5 Ply Construction, Add	*12.78*	
		For Stave Lumber Core (SLC), Add	*273.95*	
		For Structural Composite Lumber Core (SCLC), Add	*164.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*197.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*438.31*	
		For >50 To 100, Deduct	*-29.96*	
		For >100, Deduct	*-42.99*	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	548.73	81.39
		For 5 Ply Construction, Add	*13.51*	
		For Stave Lumber Core (SLC), Add	*289.47*	
		For Structural Composite Lumber Core (SCLC), Add	*173.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.32*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*208.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*289.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*463.15*	
		For >50 To 100, Deduct	*-31.51*	
		For >100, Deduct	*-45.22*	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	569.86	81.39
		For 5 Ply Construction, Add	*14.25*	
		For Stave Lumber Core (SLC), Add	*305.32*	
		For Structural Composite Lumber Core (SCLC), Add	*183.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*305.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*488.51*	
		For >50 To 100, Deduct	*-32.56*	
		For >100, Deduct	*-46.81*	
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	587.22	84.78
		For 5 Ply Construction, Add	*14.62*	
		For Stave Lumber Core (SLC), Add	*313.25*	
		For Structural Composite Lumber Core (SCLC), Add	*187.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*225.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*313.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*501.19*	
		For >50 To 100, Deduct	*-33.60*	
		For >100, Deduct	*-48.28*	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	608.10	84.78
		For 5 Ply Construction, Add	*15.35*	
		For Stave Lumber Core (SLC), Add	*328.91*	
		For Structural Composite Lumber Core (SCLC), Add	*197.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*236.81*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*328.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*526.25*	
		For >50 To 100, Deduct	*-34.64*	
		For >100, Deduct	*-49.85*	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	663.43	91.56
		For 5 Ply Construction, Add	*16.81*	
		For Stave Lumber Core (SLC), Add	*360.23*	
		For Structural Composite Lumber Core (SCLC), Add	*216.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*57.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*259.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*360.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*576.36*	
		For >50 To 100, Deduct	*-37.75*	
		For >100, Deduct	*-54.34*	
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	548.51	74.60
		For 5 Ply Construction, Add	*13.98*	
		For Stave Lumber Core (SLC), Add	*299.47*	
		For Structural Composite Lumber Core (SCLC), Add	*179.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*215.62*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*299.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*479.15*	
		For >50 To 100, Deduct	*-31.16*	
		For >100, Deduct	*-44.87*	
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	548.49	74.60
		For 5 Ply Construction, Add	*13.97*	
		For Stave Lumber Core (SLC), Add	*299.45*	
		For Structural Composite Lumber Core (SCLC), Add	*179.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*215.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*299.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*479.12*	
		For >50 To 100, Deduct	*-31.16*	
		For >100, Deduct	*-44.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	567.75	78.00
		For 5 Ply Construction, Add	*14.41*	
		For Stave Lumber Core (SLC), Add	*308.82*	
		For Structural Composite Lumber Core (SCLC), Add	*185.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.41*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*222.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*308.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*494.11*	
		For >50 To 100, Deduct	*-32.29*	
		For >100, Deduct	*-46.48*	
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	567.75	78.00
		For 5 Ply Construction, Add	*14.41*	
		For Stave Lumber Core (SLC), Add	*308.82*	
		For Structural Composite Lumber Core (SCLC), Add	*185.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.41*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*222.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*308.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*494.11*	
		For >50 To 100, Deduct	*-32.29*	
		For >100, Deduct	*-46.48*	
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	592.47	78.00
		For 5 Ply Construction, Add	*15.28*	
		For Stave Lumber Core (SLC), Add	*327.36*	
		For Structural Composite Lumber Core (SCLC), Add	*196.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*235.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*327.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*523.78*	
		For >50 To 100, Deduct	*-33.52*	
		For >100, Deduct	*-48.34*	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	623.99	81.39
		For 5 Ply Construction, Add	*16.14*	
		For Stave Lumber Core (SLC), Add	*345.92*	
		For Structural Composite Lumber Core (SCLC), Add	*207.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*249.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*345.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*553.46*	
		For >50 To 100, Deduct	*-35.27*	
		For >100, Deduct	*-50.87*	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	649.24	81.39
		For 5 Ply Construction, Add	*17.03*	
		For Stave Lumber Core (SLC), Add	*364.85*	
		For Structural Composite Lumber Core (SCLC), Add	*218.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*262.69*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*364.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*583.76*	
		For >50 To 100, Deduct	*-36.53*	
		For >100, Deduct	*-52.76*	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	668.66	84.78
		For 5 Ply Construction, Add	*17.47*	
		For Stave Lumber Core (SLC), Add	*374.33*	
		For Structural Composite Lumber Core (SCLC), Add	*224.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*269.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*374.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*598.92*	
		For >50 To 100, Deduct	*-37.67*	
		For >100, Deduct	*-54.39*	
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	693.60	84.78
		For 5 Ply Construction, Add	*18.34*	
		For Stave Lumber Core (SLC), Add	*393.03*	
		For Structural Composite Lumber Core (SCLC), Add	*235.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*282.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*393.03*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*628.85*	
		For >50 To 100, Deduct	*-38.92*	
		For >100, Deduct	*-56.26*	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	757.09	91.56
		For 5 Ply Construction, Add	*20.09*	
		For Stave Lumber Core (SLC), Add	*430.47*	
		For Structural Composite Lumber Core (SCLC), Add	*258.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*68.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*309.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*430.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*688.75*	
		For >50 To 100, Deduct	*-42.43*	
		For >100, Deduct	*-61.36*	

08 14 23 19 Molded-Hardboard-Faced Wood Doors *(08 14 23)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0001		1-3/8" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*		
08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	246.83	74.60
		For >50 To 100, Deduct	*-16.07*	
		For >100, Deduct	*-22.24*	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	246.83	74.60
		For >50 To 100, Deduct	*-16.07*	
		For >100, Deduct	*-22.24*	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	260.72	78.00
		For >50 To 100, Deduct	*-16.94*	
		For >100, Deduct	*-23.45*	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.11	78.00
		For >50 To 100, Deduct	*-17.11*	
		For >100, Deduct	*-23.71*	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	267.47	78.00
		For >50 To 100, Deduct	*-17.27*	
		For >100, Deduct	*-23.96*	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	277.64	81.39
		For >50 To 100, Deduct	*-17.95*	
		For >100, Deduct	*-24.89*	
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	290.26	81.39
		For >50 To 100, Deduct	*-18.58*	
		For >100, Deduct	*-25.84*	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	305.22	84.78
		For >50 To 100, Deduct	*-19.50*	
		For >100, Deduct	*-27.13*	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	252.51	74.60
		For >50 To 100, Deduct	*-16.36*	
		For >100, Deduct	*-22.67*	
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	252.51	74.60
		For >50 To 100, Deduct	*-16.36*	
		For >100, Deduct	*-22.67*	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	266.82	78.00
		For >50 To 100, Deduct	*-17.24*	
		For >100, Deduct	*-23.91*	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.39	78.00
		For >50 To 100, Deduct	*-17.42*	
		For >100, Deduct	*-24.18*	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	273.96	78.00
		For >50 To 100, Deduct	*-17.60*	
		For >100, Deduct	*-24.45*	
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	284.32	81.39
		For >50 To 100, Deduct	*-18.29*	
		For >100, Deduct	*-25.39*	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	297.67	81.39
		For >50 To 100, Deduct	*-18.95*	
		For >100, Deduct	*-26.39*	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	313.10	84.78
		For >50 To 100, Deduct	*-19.89*	
		For >100, Deduct	*-27.72*	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	272.66	74.60
		For >50 To 100, Deduct	*-17.36*	
		For >100, Deduct	*-24.18*	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	272.66	74.60
		For >50 To 100, Deduct	*-17.36*	
		For >100, Deduct	*-24.18*	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	288.44	78.00
		For >50 To 100, Deduct	*-18.32*	
		For >100, Deduct	*-25.53*	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	292.70	78.00
		For >50 To 100, Deduct	*-18.53*	
		For >100, Deduct	*-25.85*	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	296.98	78.00
		For >50 To 100, Deduct	*-18.75*	
		For >100, Deduct	*-26.17*	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	308.02	81.39
		For >50 To 100, Deduct	*-19.47*	
		For >100, Deduct	*-27.17*	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	323.97	81.39
		For >50 To 100, Deduct	*-20.27*	
		For >100, Deduct	*-28.37*	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	341.08	84.78
		For >50 To 100, Deduct	*-21.29*	
		For >100, Deduct	*-29.82*	
08 14 23 19-0026		1-3/4" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*		
08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.85	74.60
		For >50 To 100, Deduct	*-17.27*	
		For >100, Deduct	*-24.04*	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.85	74.60
		For >50 To 100, Deduct	*-17.27*	
		For >100, Deduct	*-24.04*	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	280.98	78.00
		For >50 To 100, Deduct	*-17.95*	
		For >100, Deduct	*-24.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	287.76	78.00
		For >50 To 100, Deduct	*-18.29*	
		For >100, Deduct	*-25.48*	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	291.15	78.00
		For >50 To 100, Deduct	*-18.46*	
		For >100, Deduct	*-25.74*	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	301.27	81.39
		For >50 To 100, Deduct	*-19.13*	
		For >100, Deduct	*-26.66*	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	308.99	81.39
		For >50 To 100, Deduct	*-19.52*	
		For >100, Deduct	*-27.24*	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	340.90	84.78
		For >50 To 100, Deduct	*-21.28*	
		For >100, Deduct	*-29.81*	
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	349.46	84.78
		For >50 To 100, Deduct	*-21.71*	
		For >100, Deduct	*-30.45*	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	366.62	84.78
		For >50 To 100, Deduct	*-22.57*	
		For >100, Deduct	*-31.74*	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	277.91	74.60
		For >50 To 100, Deduct	*-17.63*	
		For >100, Deduct	*-24.57*	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	277.91	74.60
		For >50 To 100, Deduct	*-17.63*	
		For >100, Deduct	*-24.57*	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	288.26	78.00
		For >50 To 100, Deduct	*-18.31*	
		For >100, Deduct	*-25.52*	
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	295.43	78.00
		For >50 To 100, Deduct	*-18.67*	
		For >100, Deduct	*-26.06*	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	299.00	78.00
		For >50 To 100, Deduct	*-18.85*	
		For >100, Deduct	*-26.32*	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	309.33	81.39
		For >50 To 100, Deduct	*-19.54*	
		For >100, Deduct	*-27.27*	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	317.50	81.39
		For >50 To 100, Deduct	*-19.94*	
		For >100, Deduct	*-27.88*	
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	350.88	84.78
		For >50 To 100, Deduct	*-21.78*	
		For >100, Deduct	*-30.56*	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	359.95	84.78
		For >50 To 100, Deduct	*-22.24*	
		For >100, Deduct	*-31.24*	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	378.08	84.78
		For >50 To 100, Deduct	*-23.14*	
		For >100, Deduct	*-32.60*	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	303.01	74.60
		For >50 To 100, Deduct	*-18.88*	
		For >100, Deduct	*-26.46*	
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	303.01	74.60
		For >50 To 100, Deduct	*-18.88*	
		For >100, Deduct	*-26.46*	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.06	78.00
		For >50 To 100, Deduct	*-19.60*	
		For >100, Deduct	*-27.45*	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	322.63	78.00
		For >50 To 100, Deduct	*-20.03*	
		For >100, Deduct	*-28.10*	
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	326.88	78.00
		For >50 To 100, Deduct	*-20.24*	
		For >100, Deduct	*-28.42*	
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	337.92	81.39
		For >50 To 100, Deduct	*-20.97*	
		For >100, Deduct	*-29.41*	
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	347.67	81.39
		For >50 To 100, Deduct	*-21.45*	
		For >100, Deduct	*-30.14*	
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	386.25	84.78
		For >50 To 100, Deduct	*-23.55*	
		For >100, Deduct	*-33.21*	
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	397.08	84.78
		For >50 To 100, Deduct	*-24.09*	
		For >100, Deduct	*-34.02*	
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	418.75	84.78
		For >50 To 100, Deduct	*-25.18*	
		For >100, Deduct	*-35.65*	

08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	290.48	74.60
		For >50 To 100, Deduct	*-18.25*	
		For >100, Deduct	*-25.52*	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	290.48	74.60
		For >50 To 100, Deduct	*-18.25*	
		For >100, Deduct	*-25.52*	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	305.46	78.00
		For >50 To 100, Deduct	*-19.17*	
		For >100, Deduct	*-26.81*	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	313.64	78.00
		For >50 To 100, Deduct	*-19.58*	
		For >100, Deduct	*-27.42*	
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	315.14	78.00
		For >50 To 100, Deduct	*-19.66*	
		For >100, Deduct	*-27.54*	
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	323.45	81.39
		For >50 To 100, Deduct	*-20.24*	
		For >100, Deduct	*-28.33*	
08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	341.18	81.39
		For >50 To 100, Deduct	*-21.13*	
		For >100, Deduct	*-29.66*	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	380.28	84.78
		For >50 To 100, Deduct	*-23.25*	
		For >100, Deduct	*-32.76*	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	298.72	74.60
		For >50 To 100, Deduct	*-18.67*	
		For >100, Deduct	*-26.13*	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	298.72	74.60
		For >50 To 100, Deduct	*-18.67*	
		For >100, Deduct	*-26.13*	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.16	78.00
		For >50 To 100, Deduct	*-19.61*	
		For >100, Deduct	*-27.46*	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	322.81	78.00
		For >50 To 100, Deduct	*-20.04*	
		For >100, Deduct	*-28.11*	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	324.42	78.00
		For >50 To 100, Deduct	*-20.12*	
		For >100, Deduct	*-28.23*	
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	332.80	81.39
		For >50 To 100, Deduct	*-20.71*	
		For >100, Deduct	*-29.03*	
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	351.57	81.39
		For >50 To 100, Deduct	*-21.65*	
		For >100, Deduct	*-30.44*	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	392.56	84.78
		For >50 To 100, Deduct	*-23.87*	
		For >100, Deduct	*-33.68*	
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	327.87	74.60
		For >50 To 100, Deduct	*-20.12*	
		For >100, Deduct	*-28.32*	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	327.87	74.60
		For >50 To 100, Deduct	*-20.12*	
		For >100, Deduct	*-28.32*	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	345.01	78.00
		For >50 To 100, Deduct	*-21.15*	
		For >100, Deduct	*-29.78*	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	355.34	78.00
		For >50 To 100, Deduct	*-21.67*	
		For >100, Deduct	*-30.55*	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	357.25	78.00
		For >50 To 100, Deduct	*-21.76*	
		For >100, Deduct	*-30.69*	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	365.97	81.39
		For >50 To 100, Deduct	*-22.37*	
		For >100, Deduct	*-31.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	388.38	81.39
		For >50 To 100, Deduct	*-23.49*	
		For >100, Deduct	*-33.20*	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	436.05	84.78
		For >50 To 100, Deduct	*-26.04*	
		For >100, Deduct	*-36.94*	

08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	326.73	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*213.01*	
		For >50 To 100, Deduct	*-20.07*	
		For >100, Deduct	*-28.24*	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	326.73	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*213.01*	
		For >50 To 100, Deduct	*-20.07*	
		For >100, Deduct	*-28.24*	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	343.78	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*225.35*	
		For >50 To 100, Deduct	*-21.09*	
		For >100, Deduct	*-29.68*	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.03	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*148.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*237.65*	
		For >50 To 100, Deduct	*-21.60*	
		For >100, Deduct	*-30.45*	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	355.94	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.94*	
		For >50 To 100, Deduct	*-21.70*	
		For >100, Deduct	*-30.60*	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	364.66	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.27*	
		For >50 To 100, Deduct	*-22.30*	
		For >100, Deduct	*-31.42*	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	386.91	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*268.97*	
		For >50 To 100, Deduct	*-23.41*	
		For >100, Deduct	*-33.09*	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	434.33	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*142.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.72*	
		For >50 To 100, Deduct	*-25.96*	
		For >100, Deduct	*-36.81*	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	447.59	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*150.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*208.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*333.64*	
		For >50 To 100, Deduct	*-26.62*	
		For >100, Deduct	*-37.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	474.04	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*164.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*228.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*365.38*	
		For >50 To 100, Deduct	*-27.94*	
		For >100, Deduct	*-39.79*	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	337.06	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*225.41*	
		For >50 To 100, Deduct	*-20.58*	
		For >100, Deduct	*-29.01*	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	337.06	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*225.41*	
		For >50 To 100, Deduct	*-20.58*	
		For >100, Deduct	*-29.01*	
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.71	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.46*	
		For >50 To 100, Deduct	*-21.64*	
		For >100, Deduct	*-30.50*	
08 14 23 19-0096	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	365.57	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.50*	
		For >50 To 100, Deduct	*-22.18*	
		For >100, Deduct	*-31.32*	
08 14 23 19-0097	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	367.59	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*158.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*253.92*	
		For >50 To 100, Deduct	*-22.28*	
		For >100, Deduct	*-31.47*	
08 14 23 19-0098	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	376.41	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*160.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*256.37*	
		For >50 To 100, Deduct	*-22.89*	
		For >100, Deduct	*-32.30*	
08 14 23 19-0099	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	399.95	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.62*	
		For >50 To 100, Deduct	*-24.07*	
		For >100, Deduct	*-34.07*	
08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	449.74	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*151.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*210.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*336.22*	
		For >50 To 100, Deduct	*-26.73*	
		For >100, Deduct	*-37.97*	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	463.76	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*158.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*220.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*353.04*	
		For >50 To 100, Deduct	*-27.43*	
		For >100, Deduct	*-39.02*	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	491.77	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*173.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*241.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*386.65*	
		For >50 To 100, Deduct	*-28.83*	
		For >100, Deduct	*-41.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0103	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	373.69	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.36*	
		For >50 To 100, Deduct	*-22.42*	
		For >100, Deduct	*-31.76*	
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	373.69	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.36*	
		For >50 To 100, Deduct	*-22.42*	
		For >100, Deduct	*-31.76*	
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	393.47	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*178.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.98*	
		For >50 To 100, Deduct	*-23.57*	
		For >100, Deduct	*-33.41*	
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	406.45	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*187.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*300.55*	
		For >50 To 100, Deduct	*-24.22*	
		For >100, Deduct	*-34.38*	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	408.85	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.34*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*136.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*189.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*303.43*	
		For >50 To 100, Deduct	*-24.34*	
		For >100, Deduct	*-34.56*	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	418.08	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*191.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*306.37*	
		For >50 To 100, Deduct	*-24.97*	
		For >100, Deduct	*-35.43*	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	446.20	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*212.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*340.12*	
		For >50 To 100, Deduct	*-26.38*	
		For >100, Deduct	*-37.53*	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	504.37	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*251.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*401.77*	
		For >50 To 100, Deduct	*-29.46*	
		For >100, Deduct	*-42.07*	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	521.14	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*263.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*421.90*	
		For >50 To 100, Deduct	*-30.30*	
		For >100, Deduct	*-43.32*	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	554.60	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*288.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*462.05*	
		For >50 To 100, Deduct	*-31.97*	
		For >100, Deduct	*-45.83*	

08 14 66 Wood Screen Doors *(08 14)*

08 14 66 00-0001 Wood Screen Storm Door, Residential Grade *(08 14 66)*

Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 14 66 00-0002	EA	2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	540.74	195.34
08 14 66 00-0003	EA	3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	570.88	217.04
08 14 66 00-0004	EA	2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	540.74	195.34
08 14 66 00-0005	EA	3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	570.88	217.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 14 73 Sliding Wood Doors *(08 14)*

08 14 73 00-0001 Sliding Pocket Door *(08 14 73)*

Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

08 14 73 00-0002 Birch Faced Pocket Door *(08 14 73 00-0001)*

Note: Includes door, frame and trim, and all mounting and door hardware.

08 14 73 00-0003 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0004 6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	528.48	47.48
		For Oak, Add	*119.66*	
		For Ash/Hickory, Add	*174.28*	
		For Walnut, Add	*254.05*	
		For Cherry, Add	*413.16*	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	545.77	50.87
		For Oak, Add	*122.56*	
		For Ash/Hickory, Add	*178.51*	
		For Walnut, Add	*260.21*	
		For Cherry, Add	*423.18*	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	565.66	54.26
		For Oak, Add	*126.18*	
		For Ash/Hickory, Add	*183.79*	
		For Walnut, Add	*267.91*	
		For Cherry, Add	*435.69*	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	580.33	57.65
		For Oak, Add	*128.36*	
		For Ash/Hickory, Add	*186.96*	
		For Walnut, Add	*272.53*	
		For Cherry, Add	*443.21*	
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	600.27	61.05
		For Oak, Add	*131.98*	
		For Ash/Hickory, Add	*192.24*	
		For Walnut, Add	*280.23*	
		For Cherry, Add	*455.72*	
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	617.56	64.44
		For Oak, Add	*134.89*	
		For Ash/Hickory, Add	*196.47*	
		For Walnut, Add	*286.39*	
		For Cherry, Add	*465.75*	
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,036.64	84.78
		For Oak, Add	*239.31*	
		For Ash/Hickory, Add	*348.57*	
		For Walnut, Add	*508.11*	
		For Cherry, Add	*826.33*	
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,097.48	91.56
		For Oak, Add	*252.37*	
		For Ash/Hickory, Add	*367.58*	
		For Walnut, Add	*535.82*	
		For Cherry, Add	*871.39*	
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,174.13	98.35
		For Oak, Add	*269.77*	
		For Ash/Hickory, Add	*392.93*	
		For Walnut, Add	*572.77*	
		For Cherry, Add	*931.49*	

08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	620.44	47.48
		For Oak, Add	*122.97*	
		For Ash/Hickory, Add	*122.97*	
		For Walnut, Add	*202.32*	
		For Cherry, Add	*379.94*	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	650.87	50.87
		For Oak, Add	*128.50*	
		For Ash/Hickory, Add	*128.50*	
		For Walnut, Add	*211.42*	
		For Cherry, Add	*397.04*	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	673.39	54.26
		For Oak, Add	*132.19*	
		For Ash/Hickory, Add	*132.19*	
		For Walnut, Add	*217.49*	
		For Cherry, Add	*408.43*	
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	693.31	57.65
		For Oak, Add	*135.26*	
		For Ash/Hickory, Add	*135.26*	
		For Walnut, Add	*222.55*	
		For Cherry, Add	*417.93*	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	710.63	61.05
		For Oak, Add	*137.72*	
		For Ash/Hickory, Add	*137.72*	
		For Walnut, Add	*226.60*	
		For Cherry, Add	*425.53*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	733.16	64.44
		For Oak, Add	*141.41*	
		For Ash/Hickory, Add	*141.41*	
		For Walnut, Add	*232.66*	
		For Cherry, Add	*436.92*	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,220.56	84.78
		For Oak, Add	*245.93*	
		For Ash/Hickory, Add	*245.93*	
		For Walnut, Add	*404.64*	
		For Cherry, Add	*759.87*	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,312.93	91.56
		For Oak, Add	*264.38*	
		For Ash/Hickory, Add	*264.38*	
		For Walnut, Add	*434.98*	
		For Cherry, Add	*816.86*	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,405.35	98.35
		For Oak, Add	*282.82*	
		For Ash/Hickory, Add	*282.82*	
		For Walnut, Add	*465.33*	
		For Cherry, Add	*873.85*	

08 14 73 00-0024 1-3/4" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0025 6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	778.09	47.48
		For Oak, Add	*159.86*	
		For Ash/Hickory, Add	*159.86*	
		For Walnut, Add	*263.01*	
		For Cherry, Add	*493.92*	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	816.40	50.87
		For Oak, Add	*167.24*	
		For Ash/Hickory, Add	*167.24*	
		For Walnut, Add	*275.15*	
		For Cherry, Add	*516.71*	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	838.92	54.26
		For Oak, Add	*170.92*	
		For Ash/Hickory, Add	*170.92*	
		For Walnut, Add	*281.22*	
		For Cherry, Add	*528.11*	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	864.10	57.65
		For Oak, Add	*175.23*	
		For Ash/Hickory, Add	*175.23*	
		For Walnut, Add	*288.30*	
		For Cherry, Add	*541.41*	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	886.67	61.05
		For Oak, Add	*178.92*	
		For Ash/Hickory, Add	*178.92*	
		For Walnut, Add	*294.37*	
		For Cherry, Add	*552.81*	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	909.21	64.44
		For Oak, Add	*182.61*	
		For Ash/Hickory, Add	*182.61*	
		For Walnut, Add	*300.44*	
		For Cherry, Add	*564.21*	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,535.86	84.78
		For Oak, Add	*319.71*	
		For Ash/Hickory, Add	*319.71*	
		For Walnut, Add	*526.03*	
		For Cherry, Add	*987.83*	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,644.00	91.56
		For Oak, Add	*341.85*	
		For Ash/Hickory, Add	*341.85*	
		For Walnut, Add	*562.44*	
		For Cherry, Add	*1,056.22*	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,757.44	98.35
		For Oak, Add	*365.21*	
		For Ash/Hickory, Add	*365.21*	
		For Walnut, Add	*600.88*	
		For Cherry, Add	*1,128.42*	

08 14 73 00-0035 7' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	830.64	47.48
		For Oak, Add	*172.15*	
		For Ash/Hickory, Add	*172.15*	
		For Walnut, Add	*283.24*	
		For Cherry, Add	*531.91*	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	874.20	50.87
		For Oak, Add	*180.76*	
		For Ash/Hickory, Add	*180.76*	
		For Walnut, Add	*297.40*	
		For Cherry, Add	*558.50*	
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	899.36	54.26
		For Oak, Add	*185.07*	
		For Ash/Hickory, Add	*185.07*	
		For Walnut, Add	*304.49*	
		For Cherry, Add	*571.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	924.53	57.65
		For Oak, Add	*189.37*	
		For Ash/Hickory, Add	*189.37*	
		For Walnut, Add	*311.57*	
		For Cherry, Add	*585.10*	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	947.11	61.05
		For Oak, Add	*193.06*	
		For Ash/Hickory, Add	*193.06*	
		For Walnut, Add	*317.64*	
		For Cherry, Add	*596.50*	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	972.27	64.44
		For Oak, Add	*197.36*	
		For Ash/Hickory, Add	*197.36*	
		For Walnut, Add	*324.72*	
		For Cherry, Add	*609.80*	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,640.96	84.78
		For Oak, Add	*344.31*	
		For Ash/Hickory, Add	*344.31*	
		For Walnut, Add	*566.49*	
		For Cherry, Add	*1,063.82*	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,764.87	91.56
		For Oak, Add	*370.13*	
		For Ash/Hickory, Add	*370.13*	
		For Walnut, Add	*608.98*	
		For Cherry, Add	*1,143.61*	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,883.56	98.35
		For Oak, Add	*394.73*	
		For Ash/Hickory, Add	*394.73*	
		For Walnut, Add	*649.44*	
		For Cherry, Add	*1,219.60*	

08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	883.19	47.48
		For Oak, Add	*184.45*	
		For Ash/Hickory, Add	*184.45*	
		For Walnut, Add	*303.48*	
		For Cherry, Add	*569.90*	
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	926.76	50.87
		For Oak, Add	*193.06*	
		For Ash/Hickory, Add	*193.06*	
		For Walnut, Add	*317.64*	
		For Cherry, Add	*596.50*	
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	954.54	54.26
		For Oak, Add	*197.98*	
		For Ash/Hickory, Add	*197.98*	
		For Walnut, Add	*325.73*	
		For Cherry, Add	*611.70*	
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	982.34	57.65
		For Oak, Add	*202.90*	
		For Ash/Hickory, Add	*202.90*	
		For Walnut, Add	*333.83*	
		For Cherry, Add	*626.90*	
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,004.91	61.05
		For Oak, Add	*206.58*	
		For Ash/Hickory, Add	*206.58*	
		For Walnut, Add	*339.89*	
		For Cherry, Add	*638.29*	
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,032.70	64.44
		For Oak, Add	*211.50*	
		For Ash/Hickory, Add	*211.50*	
		For Walnut, Add	*347.99*	
		For Cherry, Add	*653.49*	
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,746.06	84.78
		For Oak, Add	*368.90*	
		For Ash/Hickory, Add	*368.90*	
		For Walnut, Add	*606.95*	
		For Cherry, Add	*1,139.81*	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,875.22	91.56
		For Oak, Add	*395.95*	
		For Ash/Hickory, Add	*395.95*	
		For Walnut, Add	*651.46*	
		For Cherry, Add	*1,223.40*	
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	2,004.42	98.35
		For Oak, Add	*423.01*	
		For Ash/Hickory, Add	*423.01*	
		For Walnut, Add	*695.97*	
		For Cherry, Add	*1,306.98*	

08 14 73 00-0055 Accessories *(08 14 73 00-0001)*

08 14 73 00-0056 Jamb Replacement *(08 14 73 00-0055)*

08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	156.96	
		For Oak, Add	*10.07*	
		For Ash/Hickory, Add	*15.78*	
		For Walnut, Add	*34.50*	
		For Cherry, Add	*54.64*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors	159.84	
		For Oak, Add	*10.40*	
		For Ash/Hickory, Add	*16.29*	
		For Walnut, Add	*35.61*	
		For Cherry, Add	*56.41*	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	178.53	
		For Oak, Add	*12.51*	
		For Ash/Hickory, Add	*19.60*	
		For Walnut, Add	*42.84*	
		For Cherry, Add	*67.87*	

08 14 73 00-0060 Track And Hardware Replacement Kits *(08 14 73 00-0055)*

Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.

08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	318.10	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	320.80	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	326.21	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	377.60	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	380.30	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	385.71	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	404.64	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	407.35	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	412.76	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	47.39	

08 14 73 00-0071 Bi-Pass Doors *(08 14 73)*

Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 LB maximum door weight (each opening).

08 14 73 00-0072 Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	490.97	108.48
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	538.77	115.26
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	587.15	122.04
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	800.24	128.82

08 14 73 00-0077 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	459.23	108.48
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	489.28	115.26
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	532.68	122.04
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	736.76	128.82

08 14 73 00-0082 Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	491.86	108.48
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	536.57	115.26
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	583.49	122.04
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	802.02	128.82

08 14 76 Bifolding Wood Doors *(08 14)*

08 14 76 00-0001 Bi-Fold Wood Doors *(08 14 76)*

Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.

08 14 76 00-0002 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	240.41	81.36
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	253.97	88.14
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	272.71	94.92
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	286.27	101.70
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	366.07	108.48
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	379.62	115.26
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	404.17	122.04

08 14 76 00-0010 Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	253.08	81.36
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	270.80	88.14
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	292.34	94.92
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	305.90	101.70
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	393.21	108.48
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	421.93	115.26
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	452.25	122.04

08 14 76 00-0018 Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	253.67	81.36
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	278.92	88.14
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	299.83	94.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	313.39	101.70
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	399.76	108.48
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	415.94	115.26
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	452.25	122.04

08 14 76 00-0026 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	630.45	81.36
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	719.58	88.14
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	820.97	94.92
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	834.53	101.70
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,152.43	108.48
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,317.13	115.26
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,506.34	122.04

08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	804.06	81.36
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	872.77	88.14
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	953.73	94.92
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	967.29	101.70
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,499.66	108.48
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,623.50	115.26
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,771.87	122.04

08 14 76 00-0042 Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	244.87	81.36
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	263.64	88.14
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	288.23	94.92
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	292.50	101.70
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	358.72	108.48
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	386.85	115.26
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	431.92	122.04

08 15 Plastic Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 Composite Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors *(08 16)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors *(08 16 13)*

08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0001)*

08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0002)*

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,571.21	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,812.11	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,178.83	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,571.21	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,907.34	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,280.01	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,237.82	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,325.96	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,932.73	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0019 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,237.82	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,635.45	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,047.80	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0023 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0024 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*

08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,237.82	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,325.96	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,932.73	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0028 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*

08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,237.82	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,635.45	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,047.80	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0032		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0033		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,237.82	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,325.96	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,932.73	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0037		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,237.82	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,635.45	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,047.80	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0041		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*		
08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,775.56	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0044		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*		
08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,775.56	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0046		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) *(08 16 13 00-0002)*		
08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.51	
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.52	
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.68	
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.66	
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf)	1.31	
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	1.46	
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)	13.89	
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	17.86	
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	37.70	
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	41.66	
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	81.34	
08 16 13 00-0058		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0001)*		
08 16 13 00-0059		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0058)*		
		Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060		Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061		6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,731.16	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,769.16	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,902.76	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0065 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*

08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,731.16	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,889.19	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,902.76	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0069 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0070 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*

08 16 13 00-0071 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*

08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,531.61	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,624.82	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,844.84	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0075 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*

08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,531.61	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,658.43	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,948.07	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0079 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*

08 16 13 00-0080 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*

08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,531.61	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,624.82	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,844.84	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0084 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,531.61	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,658.43	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,948.07	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0088 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*

08 16 13 00-0089 6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*

08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,531.61	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,624.82	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,844.84	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0093 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*

08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,531.61	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,658.43	84.78
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,948.07	91.56
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0097 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0098 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*

08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,091.25	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0100 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*

08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,091.25	81.39
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) *(08 16 13 00-0058)*

08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	1.13
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	1.17
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	1.23
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	1.77
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	0.70
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	1.12
08 16 13 00-0109	LF	Weather Strip (Skule Door)	9.60
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	12.00
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	38.41
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	136.83
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	52.81

08 16 13 00-0114 Galvanized Insulated Poly Core Composite Doors *(08 16 13)*

08 16 13 00-0115	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,409.41	81.39

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 17 Integrated Door Opening Assemblies *(08 10)*

08 17 23 Integrated Metal Door Opening Assemblies *(08 17)*

08 17 23 00-0001 **Pre-Hung Interior Door Units** *(08 17 23)*
Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.

08 17 23 00-0002 **Hollow Core Doors, 1-3/8" Thick** *(08 17 23 00-0001)*

08 17 23 00-0003 **Birch Faced** *(08 17 23 00-0002)*

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	414.97	84.78
		For 8' Door Height, Add	*58.90*	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	430.04	84.78
		For 8' Door Height, Add	*62.52*	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	451.92	88.17
		For 8' Door Height, Add	*66.14*	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	463.19	91.56
		For 8' Door Height, Add	*67.21*	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	490.54	91.56
		For 8' Door Height, Add	*73.78*	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	517.01	94.96
		For 8' Door Height, Add	*78.50*	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	768.89	139.04
		For 8' Door Height, Add	*117.79*	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	819.41	149.22
		For 8' Door Height, Add	*125.04*	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	878.91	159.38
		For 8' Door Height, Add	*134.43*	

08 17 23 00-0013 **Lauan Faced** *(08 17 23 00-0002)*

08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	374.66	84.78
		For 8' Door Height, Add	*49.22*	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	388.57	84.78
		For 8' Door Height, Add	*52.56*	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	407.07	88.17
		For 8' Door Height, Add	*55.38*	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	422.15	91.56
		For 8' Door Height, Add	*57.36*	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	445.00	91.56
		For 8' Door Height, Add	*62.85*	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	479.67	94.96
		For 8' Door Height, Add	*69.54*	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	688.28	139.04
		For 8' Door Height, Add	*98.45*	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	736.38	149.22
		For 8' Door Height, Add	*105.11*	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	796.87	159.38
		For 8' Door Height, Add	*114.74*	

08 17 23 00-0023 **Tempered Hardboard Faced** *(08 17 23 00-0002)*

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	336.77	84.78
		For 8' Door Height, Add	*40.13*	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	348.97	84.78
		For 8' Door Height, Add	*43.06*	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	361.53	88.17
		For 8' Door Height, Add	*44.45*	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	379.89	91.56
		For 8' Door Height, Add	*47.22*	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	401.52	91.56
		For 8' Door Height, Add	*52.42*	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	413.35	94.96
		For 8' Door Height, Add	*53.63*	
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	599.64	139.04
		For 8' Door Height, Add	*77.17*	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	657.21	149.22
		For 8' Door Height, Add	*86.11*	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	712.29	159.38
		For 8' Door Height, Add	*94.45*	

08 17 23 00-0033 **Solid Core Doors, 1-3/8" Thick** *(08 17 23 00-0001)*

08 17 23 00-0034 **Birch Faced** *(08 17 23 00-0033)*

08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	544.62	84.78
		For 8' Door Height, Add	*90.01*	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	564.34	84.78
		For 8' Door Height, Add	*94.75*	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	590.80	88.17
		For 8' Door Height, Add	*99.47*	
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	621.60	91.56
		For 8' Door Height, Add	*105.24*	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	669.75	91.56
		For 8' Door Height, Add	*116.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	719.07	94.96
		For 8' Door Height, Add	*127.00*	
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,028.20	139.04
		For 8' Door Height, Add	*180.03*	
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,087.98	149.22
		For 8' Door Height, Add	*189.50*	
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,195.71	159.38
		For 8' Door Height, Add	*210.47*	

08 17 23 00-0044 Lauan Faced *(08 17 23 00-0033)*

08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	466.11	84.78
		For 8' Door Height, Add	*71.17*	
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	482.41	84.78
		For 8' Door Height, Add	*75.08*	
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	505.47	88.17
		For 8' Door Height, Add	*78.99*	
08 17 23 00-0048	EA	3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	528.71	91.56
		For 8' Door Height, Add	*82.94*	
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	566.72	91.56
		For 8' Door Height, Add	*92.06*	
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	598.05	94.96
		For 8' Door Height, Add	*97.95*	
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	871.16	139.04
		For 8' Door Height, Add	*142.34*	
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	924.13	149.22
		For 8' Door Height, Add	*150.17*	
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	1,009.93	159.38
		For 8' Door Height, Add	*165.88*	

08 17 23 00-0054 Tempered Hardboard Faced *(08 17 23 00-0033)*

08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	449.44	84.78
		For 8' Door Height, Add	*67.17*	
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	465.65	84.78
		For 8' Door Height, Add	*71.06*	
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	488.69	88.17
		For 8' Door Height, Add	*74.96*	
08 17 23 00-0058	EA	3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	501.48	91.56
		For 8' Door Height, Add	*76.41*	
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	536.59	91.56
		For 8' Door Height, Add	*84.83*	
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	566.01	94.96
		For 8' Door Height, Add	*90.26*	
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	837.84	139.04
		For 8' Door Height, Add	*134.34*	
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	890.58	149.22
		For 8' Door Height, Add	*142.12*	
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	955.46	159.38
		For 8' Door Height, Add	*152.81*	

08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0065 Birch Faced *(08 17 23 00-0064)*

08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	476.28	84.78
		For 8' Door Height, Add	*73.61*	
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	487.86	84.78
		For 8' Door Height, Add	*76.39*	
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	498.92	88.17
		For 8' Door Height, Add	*77.42*	
08 17 23 00-0069	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	524.57	91.56
		For 8' Door Height, Add	*81.95*	
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	574.66	91.56
		For 8' Door Height, Add	*93.97*	
08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	639.97	94.96
		For 8' Door Height, Add	*108.01*	
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	891.57	139.04
		For 8' Door Height, Add	*147.23*	
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	935.01	149.22
		For 8' Door Height, Add	*152.78*	
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	1,001.70	159.38
		For 8' Door Height, Add	*163.90*	

08 17 23 00-0075 Lauan Faced *(08 17 23 00-0064)*

08 17 23 00-0076	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	430.10	84.78
		For 8' Door Height, Add	*62.53*	
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	448.06	84.78
		For 8' Door Height, Add	*66.84*	
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	469.41	88.17
		For 8' Door Height, Add	*70.34*	
08 17 23 00-0079	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	481.96	91.56
		For 8' Door Height, Add	*71.72*	
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	514.81	91.56
		For 8' Door Height, Add	*79.61*	
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	542.82	94.96
		For 8' Door Height, Add	*84.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	799.18	139.04
		For 8' Door Height, Add	*125.06*	
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	855.41	149.22
		For 8' Door Height, Add	*133.68*	
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	916.46	159.38
		For 8' Door Height, Add	*143.44*	

08 17 23 00-0085 Tempered Hardboard Faced *(08 17 23 00-0064)*

08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	377.89	84.78
		For 8' Door Height, Add	*50.00*	
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	383.70	84.78
		For 8' Door Height, Add	*51.39*	
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	402.05	88.17
		For 8' Door Height, Add	*54.17*	
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	420.41	91.56
		For 8' Door Height, Add	*56.95*	
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	433.63	91.56
		For 8' Door Height, Add	*60.12*	
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	446.21	94.96
		For 8' Door Height, Add	*61.51*	
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	678.69	139.04
		For 8' Door Height, Add	*96.15*	
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	726.68	149.22
		For 8' Door Height, Add	*102.78*	
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	793.37	159.38
		For 8' Door Height, Add	*113.90*	

08 17 23 00-0095 Solid Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0096 Birch Faced *(08 17 23 00-0095)*

08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	602.05	84.78
		For 8' Door Height, Add	*103.80*	
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	620.06	84.78
		For 8' Door Height, Add	*108.12*	
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	632.86	88.17
		For 8' Door Height, Add	*109.56*	
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	657.65	91.56
		For 8' Door Height, Add	*113.89*	
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	709.85	91.56
		For 8' Door Height, Add	*126.42*	
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	769.34	94.96
		For 8' Door Height, Add	*139.07*	
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,143.06	139.04
		For 8' Door Height, Add	*207.60*	
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,199.40	149.22
		For 8' Door Height, Add	*216.24*	
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,267.83	159.38
		For 8' Door Height, Add	*227.77*	

08 17 23 00-0106 Lauan Faced *(08 17 23 00-0095)*

08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	573.20	84.78
		For 8' Door Height, Add	*96.87*	
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	574.38	84.78
		For 8' Door Height, Add	*97.16*	
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	592.79	88.17
		For 8' Door Height, Add	*99.95*	
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	607.99	91.56
		For 8' Door Height, Add	*101.97*	
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	646.39	91.56
		For 8' Door Height, Add	*111.18*	
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	682.81	94.96
		For 8' Door Height, Add	*118.30*	
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,085.39	139.04
		For 8' Door Height, Add	*193.75*	
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,108.05	149.22
		For 8' Door Height, Add	*194.31*	
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,168.51	159.38
		For 8' Door Height, Add	*203.94*	

08 17 23 00-0116 Tempered Hardboard Faced *(08 17 23 00-0095)*

08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	511.94	84.78
		For 8' Door Height, Add	*82.17*	
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	517.93	84.78
		For 8' Door Height, Add	*83.61*	
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	530.74	88.17
		For 8' Door Height, Add	*85.06*	
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	549.55	91.56
		For 8' Door Height, Add	*87.94*	
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	576.42	91.56
		For 8' Door Height, Add	*94.39*	
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	608.38	94.96
		For 8' Door Height, Add	*100.43*	
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	962.83	139.04
		For 8' Door Height, Add	*164.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	995.17	149.22
		For 8' Door Height, Add	*167.22*	
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	1,051.60	159.38
		For 8' Door Height, Add	*175.88*	

08 17 23 00-0126 Oak Or Maple Faced *(08 17 23 00-0095)*

08 17 23 00-0127	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	942.15	84.78
		For 8' Door Height, Add	*185.42*	
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	946.87	84.78
		For 8' Door Height, Add	*186.55*	
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	993.59	88.17
		For 8' Door Height, Add	*196.14*	
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,010.81	91.56
		For 8' Door Height, Add	*198.64*	
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,100.53	91.56
		For 8' Door Height, Add	*220.18*	
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,213.62	94.96
		For 8' Door Height, Add	*245.69*	
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,823.29	139.04
		For 8' Door Height, Add	*370.86*	
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,853.09	149.22
		For 8' Door Height, Add	*373.12*	
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,974.14	159.38
		For 8' Door Height, Add	*397.29*	

08 17 23 00-0136 Walnut Faced *(08 17 23 00-0095)*

08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,183.44	84.78
		For 8' Door Height, Add	*243.33*	
08 17 23 00-0138	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,225.60	84.78
		For 8' Door Height, Add	*253.45*	
08 17 23 00-0139	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,246.51	88.17
		For 8' Door Height, Add	*256.84*	
08 17 23 00-0140	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,295.51	91.56
		For 8' Door Height, Add	*266.97*	
08 17 23 00-0141	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,417.89	91.56
		For 8' Door Height, Add	*296.34*	
08 17 23 00-0142	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,548.24	94.96
		For 8' Door Height, Add	*326.00*	
08 17 23 00-0143	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,305.85	139.04
		For 8' Door Height, Add	*486.66*	
08 17 23 00-0144	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,410.49	149.22
		For 8' Door Height, Add	*506.90*	
08 17 23 00-0145	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,543.55	159.38
		For 8' Door Height, Add	*533.94*	

08 18 Glass Doors *(08 10)*

08 18 16 Sliding Glass Doors *(08 18)*

08 18 16 00-0001 Sliding Aluminum-Framed Glass Doors *(08 18 16)*

08 18 16 00-0002 Residential Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0001)*

08 18 16 00-0003 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0002)*

08 18 16 00-0004	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	56.76	6.10
		For Custom Quality, Add	*10.15*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*7.31*	
08 18 16 00-0005	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	48.23	3.80
		For Custom Quality, Add	*9.70*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*6.99*	

08 18 16 00-0006 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0002)*

08 18 16 00-0007	SF	Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	64.04	6.10
		For Custom Quality, Add	*11.97*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*8.62*	
08 18 16 00-0008	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	55.40	3.80
		For Custom Quality, Add	*11.50*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*8.28*	

08 18 16 00-0009 Stanley Manual Slide Doors *(08 18 16 00-0001)*

08 18 16 00-0010	EA	Single Slide, Dura Care 7000 Track/Trackless All Panel, Swing Out, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, and patient consult applications.	3,928.25	
		For Special Finish, Add	*1,240.50*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*516.88*	
		For Aluminum Transom, Add	*723.62*	
		For Added Panel, Add	*1,343.88*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 18 16 00-0011	EA	Single Slide, Dura Care 7200 Track/Trackless Slide Panel, Swing Out, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, and patient consult applications.	3,928.25	
		For Special Finish, Add	*1,240.50*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*516.88*	
		For Aluminum Transom, Add	*723.62*	
		For Added Panel, Add	*1,343.88*	
08 18 16 00-0012	EA	Single Slide, Dura Care 7200TL/FBO Trackless Lead Panel Slide Or All Panel Slide, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications.	4,651.88	
		For Special Finish, Add	*1,240.50*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*516.88*	
		For Aluminum Transom, Add	*723.62*	
08 18 16 00-0013	EA	Single Slide, Dura Care 7300TL/FBO Trackless All Panel, Swing Out, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications.	4,651.88	
		For Special Finish, Add	*1,240.50*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*516.88*	
		For Aluminum Transom, Add	*723.62*	
		For Self Closing, Add	*1,033.75*	
08 18 16 00-0014	EA	Single Slide, Dura Care 7500 Track/Trackless Lead Panel, Swing Out, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications.	5,892.38	
		For Special Finish, Add	*1,240.50*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*516.88*	
		For Aluminum Transom, Add	*723.62*	
		For Added Panel, Add	*1,343.88*	
08 18 16 00-0015	EA	Single Slide, Dura Care 7500TL/FBO Trackless All Panel, Swing Out, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications.	6,099.12	
		For Special Finish, Add	*1,240.50*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*516.88*	
		For Aluminum Transom, Add	*723.62*	
		For Added Panel, Add	*1,343.88*	
08 18 16 00-0016	EA	Single Slide, Dura Care 7400 Swing ICU Trackless, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications.	4,962.00	
		For Special Finish, Add	*1,137.12*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*361.81*	
		For Aluminum Transom, Add	*723.62*	
08 18 16 00-0017	EA	Bi Part Slide, Dura Care 7000 Track/Trackless All Panel, Swing Out, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, and patient consult applications.	4,755.25	
		For Special Finish, Add	*2,274.25*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*516.88*	
		For Aluminum Transom, Add	*723.62*	
		For Added Panel, Add	*1,343.88*	
08 18 16 00-0018	EA	Bi Part Slide, Dura Care 7200 Track/Trackless Slide Panel, Swing Out, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, and patient consult applications.	4,755.25	
		For Special Finish, Add	*2,274.25*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*516.88*	
		For Aluminum Transom, Add	*723.62*	
		For Added Panel, Add	*1,343.88*	
08 18 16 00-0019	EA	Bi Part Slide, Dura Care 7500 Track/Trackless Lead Panel, Swing Out, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications.	7,753.12	
		For Special Finish, Add	*2,274.25*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*516.88*	
		For Aluminum Transom, Add	*723.62*	
		For Added Panel, Add	*1,343.88*	
08 18 16 00-0020	EA	Bi Part Slide, Dura Care 7500TL/FBO Trackless All Panel, Swing Out, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications.	8,063.25	
		For Special Finish, Add	*2,274.25*	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*516.88*	
		For Aluminum Transom, Add	*723.62*	
		For Added Panel, Add	*1,343.88*	
08 18 16 00-0021	EA	Bi Part Slide, Dura Care 7400 Swing ICU Trackless, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications.	6,616.00	
		For Positive Latch, Add	*620.25*	
		For Smoke And Draft UL1784, Add	*361.81*	
		For Aluminum Transom, Add	*723.62*	
08 18 16 00-0022	EA	Bi Part Slide, Dura Care 7600 Split Fold, Stanley Manual Door Note: Patient bays, ICU room, ER, patient consult, latching, and closing applications.	7,360.30	
		For Special Finish, Add	*2,274.25*	
		For Positive Latch, Add	*2,481.00*	
		For Smoke And Draft UL1784, Add	*1,137.12*	
		For Aluminum Transom, Add	*723.62*	

08 18 16 00-0023 Sliding Plastic-Framed Glass Doors *(08 18 16)*

08 18 16 00-0024 Sliding Vinyl-Framed Glass Doors *(08 18 16 00-0023)*

08 18 16 00-0025 Vinyl Sliding Glass Doors (Pella Vinyl 10 Series) *(08 18 16 00-0024)*

Note: Includes white solid vinyl interior and exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.

08 18 16 00-0026	EA	5' x 6' 8", Vinyl Sliding Glass Door (Pella Vinyl 10 Series)	1,871.58	101.74
		For Insect Screen, Add	*291.92*	
		For Grilles Between The Glass, Add	*366.98*	
		For Low-E Tempered Insulated Glass, Add	*750.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 18 16 00-0027	EA	6' x 6' 8", Vinyl Sliding Glass Door (Pella Vinyl 10 Series)	1,943.07	108.52
		For Insect Screen, Add	*302.06*	
		For Grilles Between The Glass, Add	*379.73*	
		For Low-E Tempered Insulated Glass, Add	*776.71*	

08 18 16 00-0028 Sliding Wood-Framed Glass Doors *(08 18 16)*

08 18 16 00-0029 Residential Wood Sliding Doors With 5/8" Glass *(08 18 16 00-0028)*

08 18 16 00-0030	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,107.87	183.13
08 18 16 00-0031	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,573.36	223.82
08 18 16 00-0032	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,973.23	257.73
08 18 16 00-0033	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,310.51	183.13
08 18 16 00-0034	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,835.09	223.82
08 18 16 00-0035	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,297.14	257.73

08 18 16 00-0036 Wood Clad Sliding Glass Doors *(08 18 16 00-0028)*

08 18 16 00-0037 Wood Clad Sliding Glass Doors (Andersen 200 Series Perma-Shield) *(08 18 16 00-0036)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.

08 18 16 00-0038	EA	5' x 6' 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	1,794.55	101.74
		For Insect Screen, Add	*159.11*	
		For Grilles Between The Glass, Add	*190.93*	
		For Low-E Tempered Insulated Glass, Add	*397.77*	
08 18 16 00-0039	EA	6' x 6' 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,013.20	108.52
		For Insect Screen, Add	*179.62*	
		For Grilles Between The Glass, Add	*215.54*	
		For Low-E Tempered Insulated Glass, Add	*449.04*	
08 18 16 00-0040	EA	6' x 6' 10", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,127.81	111.90
		For Insect Screen, Add	*190.40*	
		For Grilles Between The Glass, Add	*228.48*	
		For Low-E Tempered Insulated Glass, Add	*476.00*	
08 18 16 00-0041	EA	8' x 6' 10", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,595.16	125.47
		For Insect Screen, Add	*234.42*	
		For Grilles Between The Glass, Add	*281.31*	
		For Low-E Tempered Insulated Glass, Add	*586.05*	
08 18 16 00-0042	EA	6' x 8', Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,519.57	118.69
		For Insect Screen, Add	*228.22*	
		For Grilles Between The Glass, Add	*273.86*	
		For Low-E Tempered Insulated Glass, Add	*570.55*	
08 18 16 00-0043	EA	8' x 8', Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,959.97	132.26
		For Insect Screen, Add	*269.55*	
		For Grilles Between The Glass, Add	*323.46*	
		For Low-E Tempered Insulated Glass, Add	*673.87*	

08 18 16 00-0044 Wood Clad Sliding Glass Doors (Andersen 400 Series Frenchwood) *(08 18 16 00-0036)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and tempered Low-E insulated glass. Excludes grilles and insect screens.

08 18 16 00-0045	EA	5' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,328.68	101.74
		For Insect Screen, Add	*312.52*	
		For Grilles Between The Glass, Add	*375.03*	
		For Low-E Tempered Insulated Glass, Add	*781.30*	
08 18 16 00-0046	EA	6' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,700.30	108.52
		For Insect Screen, Add	*348.33*	
		For Grilles Between The Glass, Add	*417.99*	
		For Low-E Tempered Insulated Glass, Add	*870.82*	
08 18 16 00-0047	EA	8' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,441.31	122.08
		For Insect Screen, Add	*419.72*	
		For Grilles Between The Glass, Add	*503.66*	
		For Low-E Tempered Insulated Glass, Add	*1,049.29*	
08 18 16 00-0048	EA	5' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,485.75	105.13
		For Insect Screen, Add	*327.55*	
		For Grilles Between The Glass, Add	*393.06*	
		For Low-E Tempered Insulated Glass, Add	*818.88*	
08 18 16 00-0049	EA	6' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,813.78	111.90
		For Insect Screen, Add	*359.00*	
		For Grilles Between The Glass, Add	*430.80*	
		For Low-E Tempered Insulated Glass, Add	*897.49*	
08 18 16 00-0050	EA	8' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,602.27	125.47
		For Insect Screen, Add	*435.13*	
		For Grilles Between The Glass, Add	*522.16*	
		For Low-E Tempered Insulated Glass, Add	*1,087.83*	
08 18 16 00-0051	EA	5' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,195.52	111.90
		For Insect Screen, Add	*397.17*	
		For Grilles Between The Glass, Add	*476.60*	
		For Low-E Tempered Insulated Glass, Add	*992.93*	
08 18 16 00-0052	EA	6' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,567.14	118.69
		For Insect Screen, Add	*432.98*	
		For Grilles Between The Glass, Add	*519.57*	
		For Low-E Tempered Insulated Glass, Add	*1,082.44*	
08 18 16 00-0053	EA	8' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	5,305.94	132.26
		For Insect Screen, Add	*504.14*	
		For Grilles Between The Glass, Add	*604.97*	
		For Low-E Tempered Insulated Glass, Add	*1,260.36*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 30 Specialty Doors and Frames *(08)*

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors and Panels *(08 30)*

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors and Frames *(08 31)*

08 31 13 00-0001 Stainless Steel Access Doors *(08 31 13)*

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	474.41	67.85
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	551.32	72.28
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	642.84	76.45
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	741.11	80.33
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	757.99	80.74
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	980.25	83.25

08 31 13 00-0009 Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	194.80	52.03
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	231.73	67.85
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	326.62	72.28
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	350.44	76.45
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	405.67	80.33
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	460.85	80.74

08 31 13 00-0016 Steel Access Doors *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Insulated Fire Rated Steel Access Doors *(08 31 13 00-0016)*

08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	319.73	68.26
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	395.60	72.28
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	395.44	76.45
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	469.45	80.74
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	490.63	80.74
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	646.48	83.25
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	745.19	86.71
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	920.47	86.71
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	1,180.98	104.05

08 31 13 00-0027 Steel Access Doors *(08 31 13 00-0016)*

08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	164.50	52.30
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	176.19	68.26
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	202.67	72.28
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	208.39	76.45
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	247.12	80.74
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	252.95	80.74
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	327.65	83.25
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	432.06	86.71

08 31 13 00-0036 Fiberglass Reinforced Polyester (FRP) Access Doors *(08 31 13)*

08 31 13 00-0037	EA	8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	205.93	52.03
08 31 13 00-0038	EA	12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	227.92	55.49
08 31 13 00-0039	EA	12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	281.31	58.96
08 31 13 00-0040	EA	18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	334.50	62.43
08 31 13 00-0041	EA	24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	391.31	65.62
08 31 13 00-0042	EA	24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	419.68	65.90

08 31 13 00-0043 Steel Recessed Access Doors For Drywall Application *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0044	EA	8" x 8" Recessed Steel Access Door With Cam Latch	234.63	52.03
		For Recessed Doors In Acoustical Tile, Add	*22.03*	
08 31 13 00-0045	EA	12" x 12" Recessed Steel Access Door With Cam Latch	245.60	55.77
		For Recessed Doors In Acoustical Tile, Add	*24.48*	
08 31 13 00-0046	EA	12" x 18" Recessed Steel Access Door With Cam Latch	263.93	58.96
		For Recessed Doors In Acoustical Tile, Add	*25.29*	
08 31 13 00-0047	EA	18" x 18" Recessed Steel Access Door With Cam Latch	309.56	62.43
		For Recessed Doors In Acoustical Tile, Add	*22.24*	
08 31 13 00-0048	EA	24" x 18" Recessed Steel Access Door With Cam Latch	325.72	65.90
		For Recessed Doors In Acoustical Tile, Add	*23.65*	
08 31 13 00-0049	EA	24" x 24" Recessed Steel Access Door With Cam Latch	356.52	65.90
		For Recessed Doors In Acoustical Tile, Add	*19.03*	
08 31 13 00-0050	EA	24" x 36" Recessed Steel Access Door With Cam Latch	444.11	83.25
		For Recessed Doors In Acoustical Tile, Add	*24.95*	
08 31 13 00-0051	EA	36" x 36" Recessed Steel Access Door With Cam Latch	633.96	86.71
		For Recessed Doors In Acoustical Tile, Add	*0.29*	

08 31 13 00-0052 Steel Crawl Space Doors And Frames *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0053	EA	24" x 24" Steel Crawl Space Door With Cam Latch	269.96	87.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0054	EA	30" x 24" Steel Crawl Space Door With Cam Latch	379.18	106.42
08 31 13 00-0055	EA	30" x 30" Steel Crawl Space Door With Cam Latch	424.93	115.57

08 33 Coiling Doors and Grilles *(08 30)*

08 33 13 Coiling Counter Doors *(08 33)*

08 33 13 00-0001 Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,474.64	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,615.81	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,885.30	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,247.94	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,109.90	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,343.02	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,464.52	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,749.16	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0011 Stainless Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,172.31	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,755.15	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,918.86	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,200.05	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,126.05	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,359.28	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,516.16	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,213.92	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0020 Aluminum Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,748.43	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,943.19	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,487.83	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,488.34	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,624.85	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,898.17	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,070.81	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	7,566.65	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0029 Galvanized Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,321.65	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,533.40	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,873.48	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,306.70	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,745.15	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,013.57	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,205.65	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,384.41	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0038 Stainless Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,655.91	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,503.69	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,667.40	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,372.48	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,185.77	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,471.98	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,734.84	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,485.58	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0048 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,741.01	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,935.77	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	20,970.69	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,604.50	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,033.15	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,355.16	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,600.83	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,682.81	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,767.21	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,961.97	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,214.47	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,630.70	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,643.63	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,965.64	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,308.69	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,611.63	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	12,802.29	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,862.01	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	16,039.19	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,320.38	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	14,391.87	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	15,578.84	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,219.33	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	19,446.95	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0075 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,639.10	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,780.27	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,120.34	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,835.90	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,062.60	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,613.36	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	9,087.77	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	10,607.63	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	15,451.59	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	15,981.45	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	18,158.63	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	

08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	8,203.77	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	11,027.13	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	12,496.55	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	

08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	7,215.59	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	8,062.60	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	8,614.43	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	9,541.74	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	

08 33 16 Coiling Counter Grilles *(08 33)*

08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,538.64	200.44
		For Lexan Lattice Pattern, Add	*144.89*	
		For Staggered Brick Pattern, Add	*184.05*	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,733.25	234.80
		For Lexan Lattice Pattern, Add	*159.48*	
		For Staggered Brick Pattern, Add	*249.68*	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,925.31	267.22
		For Lexan Lattice Pattern, Add	*174.26*	
		For Staggered Brick Pattern, Add	*315.32*	
08 33 16 00-0005	EA	10' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,145.88	303.52
		For Lexan Lattice Pattern, Add	*193.03*	
		For Staggered Brick Pattern, Add	*380.96*	
08 33 16 00-0006	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,366.65	337.88
		For Lexan Lattice Pattern, Add	*211.80*	
		For Staggered Brick Pattern, Add	*446.58*	
08 33 16 00-0007	EA	14' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,667.03	366.51
		For Lexan Lattice Pattern, Add	*242.42*	
		For Staggered Brick Pattern, Add	*517.73*	
08 33 16 00-0008	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,965.71	400.87
		For Lexan Lattice Pattern, Add	*273.05*	
		For Staggered Brick Pattern, Add	*588.88*	
08 33 16 00-0009	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,360.02	458.15
		For Lexan Lattice Pattern, Add	*303.68*	
		For Staggered Brick Pattern, Add	*588.88*	
08 33 16 00-0010	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,775.89	534.31
		For Lexan Lattice Pattern, Add	*337.31*	
		For Staggered Brick Pattern, Add	*731.17*	
08 33 16 00-0011	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,676.74	641.40
		For Lexan Lattice Pattern, Add	*426.18*	
		For Staggered Brick Pattern, Add	*756.07*	
08 33 16 00-0012	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	5,796.57	801.76
		For Lexan Lattice Pattern, Add	*525.88*	
		For Staggered Brick Pattern, Add	*867.88*	
08 33 16 00-0013	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,590.37	200.44
		For Lexan Lattice Pattern, Add	*152.65*	
		For Staggered Brick Pattern, Add	*213.83*	
08 33 16 00-0014	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,805.23	234.80
		For Lexan Lattice Pattern, Add	*170.28*	
		For Staggered Brick Pattern, Add	*290.81*	
08 33 16 00-0015	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,935.54	267.33
		For Lexan Lattice Pattern, Add	*175.79*	
		For Staggered Brick Pattern, Add	*367.80*	
08 33 16 00-0016	EA	10' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,141.61	303.52
		For Lexan Lattice Pattern, Add	*192.39*	
		For Staggered Brick Pattern, Add	*444.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0017	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,349.58	337.88
		For Lexan Lattice Pattern, Add	*208.98*	
		For Staggered Brick Pattern, Add	*521.75*	
08 33 16 00-0018	EA	14' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,673.63	366.51
		For Lexan Lattice Pattern, Add	*243.41*	
		For Staggered Brick Pattern, Add	*620.00*	
08 33 16 00-0019	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,997.68	400.87
		For Lexan Lattice Pattern, Add	*277.85*	
		For Staggered Brick Pattern, Add	*718.25*	
08 33 16 00-0020	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,417.36	458.15
		For Lexan Lattice Pattern, Add	*312.28*	
		For Staggered Brick Pattern, Add	*718.25*	
08 33 16 00-0021	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,834.50	534.31
		For Lexan Lattice Pattern, Add	*346.71*	
		For Staggered Brick Pattern, Add	*914.76*	
08 33 16 00-0022	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,809.33	641.40
		For Lexan Lattice Pattern, Add	*446.07*	
		For Staggered Brick Pattern, Add	*1,054.53*	
08 33 16 00-0023	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	5,879.12	801.76
		For Lexan Lattice Pattern, Add	*538.26*	
		For Staggered Brick Pattern, Add	*1,182.20*	

08 33 16 00-0024 Aluminum Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0025	EA	4' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,644.49	200.44
		For Lexan Lattice Pattern, Add	*160.77*	
		For Staggered Brick Pattern, Add	*184.05*	
08 33 16 00-0026	EA	6' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,878.92	234.80
		For Lexan Lattice Pattern, Add	*181.33*	
		For Staggered Brick Pattern, Add	*249.68*	
08 33 16 00-0027	EA	8' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,110.81	267.22
		For Lexan Lattice Pattern, Add	*202.08*	
		For Staggered Brick Pattern, Add	*315.32*	
08 33 16 00-0028	EA	10' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,371.20	303.52
		For Lexan Lattice Pattern, Add	*226.83*	
		For Staggered Brick Pattern, Add	*380.96*	
08 33 16 00-0029	EA	12' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,633.49	337.88
		For Lexan Lattice Pattern, Add	*251.57*	
		For Staggered Brick Pattern, Add	*446.58*	
08 33 16 00-0030	EA	14' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,998.18	366.51
		For Lexan Lattice Pattern, Add	*292.10*	
		For Staggered Brick Pattern, Add	*517.73*	
08 33 16 00-0031	EA	16' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,362.89	400.87
		For Lexan Lattice Pattern, Add	*332.63*	
		For Staggered Brick Pattern, Add	*588.88*	
08 33 16 00-0032	EA	18' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,823.23	458.15
		For Lexan Lattice Pattern, Add	*373.16*	
		For Staggered Brick Pattern, Add	*588.88*	
08 33 16 00-0033	EA	20' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,285.09	534.31
		For Lexan Lattice Pattern, Add	*413.69*	
		For Staggered Brick Pattern, Add	*731.17*	
08 33 16 00-0034	EA	24' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,311.83	641.40
		For Lexan Lattice Pattern, Add	*521.45*	
		For Staggered Brick Pattern, Add	*756.07*	
08 33 16 00-0035	EA	30' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	6,539.92	801.76
		For Lexan Lattice Pattern, Add	*637.38*	
		For Staggered Brick Pattern, Add	*867.88*	
08 33 16 00-0036	EA	4' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,749.12	200.44
		For Lexan Lattice Pattern, Add	*176.47*	
		For Staggered Brick Pattern, Add	*213.83*	
08 33 16 00-0037	EA	6' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,043.36	234.80
		For Lexan Lattice Pattern, Add	*206.00*	
		For Staggered Brick Pattern, Add	*290.81*	
08 33 16 00-0038	EA	8' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,253.02	267.33
		For Lexan Lattice Pattern, Add	*223.42*	
		For Staggered Brick Pattern, Add	*367.80*	
08 33 16 00-0039	EA	10' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,538.50	303.52
		For Lexan Lattice Pattern, Add	*251.92*	
		For Staggered Brick Pattern, Add	*444.77*	
08 33 16 00-0040	EA	12' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,825.90	337.88
		For Lexan Lattice Pattern, Add	*280.43*	
		For Staggered Brick Pattern, Add	*521.75*	
08 33 16 00-0041	EA	14' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,229.34	366.51
		For Lexan Lattice Pattern, Add	*326.77*	
		For Staggered Brick Pattern, Add	*620.00*	
08 33 16 00-0042	EA	16' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,632.78	400.87
		For Lexan Lattice Pattern, Add	*373.11*	
		For Staggered Brick Pattern, Add	*718.25*	
08 33 16 00-0043	EA	18' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,131.84	458.15
		For Lexan Lattice Pattern, Add	*419.45*	
		For Staggered Brick Pattern, Add	*718.25*	
08 33 16 00-0044	EA	20' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,628.37	534.31
		For Lexan Lattice Pattern, Add	*465.79*	
		For Staggered Brick Pattern, Add	*914.76*	
08 33 16 00-0045	EA	24' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,761.96	641.40
		For Lexan Lattice Pattern, Add	*588.97*	
		For Staggered Brick Pattern, Add	*1,054.53*	
08 33 16 00-0046	EA	30' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	6,988.23	801.76
		For Lexan Lattice Pattern, Add	*704.63*	
		For Staggered Brick Pattern, Add	*1,182.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 33 23 Overhead Coiling Doors *(08 33)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0051 for scissor lifts, 01 22 23 00-0997 for forklift.

08 33 23 11 Overhead Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,581.00	676.32
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,692.03	716.10
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,688.35	716.10
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,804.16	755.89
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,835.48	775.81
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,990.68	835.46
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,120.22	875.24
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,083.92	875.24
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,150.01	895.13
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,227.77	915.02
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,380.80	954.81
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,222.71	915.02
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,356.63	954.81
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,508.68	994.59
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,625.71	1,034.38

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,747.82	1,006.52
		For 3/4" Insulated Slats, Add	*1,552.72*	
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,853.60	1,029.40
		For 3/4" Insulated Slats, Add	*1,603.41*	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,166.66	1,098.03
		For 3/4" Insulated Slats, Add	*1,752.46*	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,441.09	1,143.77
		For 3/4" Insulated Slats, Add	*1,901.10*	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,006.75	1,052.27
		For 3/4" Insulated Slats, Add	*1,689.72*	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,326.49	1,143.77
		For 3/4" Insulated Slats, Add	*1,815.15*	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,554.74	1,189.53
		For 3/4" Insulated Slats, Add	*1,929.15*	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,843.33	1,235.28
		For 3/4" Insulated Slats, Add	*2,088.40*	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,277.40	1,098.03
		For 3/4" Insulated Slats, Add	*1,835.52*	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,527.33	1,143.77
		For 3/4" Insulated Slats, Add	*1,965.78*	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,868.79	1,235.28
		For 3/4" Insulated Slats, Add	*2,107.49*	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,236.23	1,275.06
		For 3/4" Insulated Slats, Add	*2,333.34*	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,365.38	1,354.63
		For 3/4" Insulated Slats, Add	*2,330.75*	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,854.28	1,434.20
		For 3/4" Insulated Slats, Add	*2,597.97*	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,363.18	1,513.77
		For 3/4" Insulated Slats, Add	*2,880.18*	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,306.49	905.87
		For 3/4" Insulated Slats, Add	*1,347.53*	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,556.69	956.20
		For 3/4" Insulated Slats, Add	*1,472.22*	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,734.97	995.99
		For 3/4" Insulated Slats, Add	*1,556.20*	
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,775.71	1,056.85
		For 3/4" Insulated Slats, Add	*1,510.67*	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,143.19	1,157.51
		For 3/4" Insulated Slats, Add	*1,660.47*	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,375.47	1,197.30
		For 3/4" Insulated Slats, Add	*1,784.95*	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,925.05	1,237.08
		For 3/4" Insulated Slats, Add	*2,147.40*	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,514.41	1,296.75
		For 3/4" Insulated Slats, Add	*2,514.83*	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,102.61	1,132.33
		For 3/4" Insulated Slats, Add	*1,661.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,437.42	1,207.83
		For 3/4" Insulated Slats, Add	*1,818.28*	
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,705.37	1,258.16
		For 3/4" Insulated Slats, Add	*1,956.28*	
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,233.92	1,297.95
		For 3/4" Insulated Slats, Add	*2,302.97*	
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,802.23	1,357.62
		For 3/4" Insulated Slats, Add	*2,654.60*	
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,838.39	1,308.48
		For 3/4" Insulated Slats, Add	*1,993.19*	
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,186.79	1,358.81
		For 3/4" Insulated Slats, Add	*2,191.54*	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,815.82	1,438.38
		For 3/4" Insulated Slats, Add	*2,563.85*	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,524.41	1,557.73
		For 3/4" Insulated Slats, Add	*2,946.10*	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,255.99	1,716.87
		For 3/4" Insulated Slats, Add	*3,295.87*	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,067.16	1,915.78
		For 3/4" Insulated Slats, Add	*3,655.60*	
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,957.89	2,154.48
		For 3/4" Insulated Slats, Add	*4,025.27*	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,926.43	2,432.97
		For 3/4" Insulated Slats, Add	*4,403.57*	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,203.40	1,358.81
		For 3/4" Insulated Slats, Add	*2,203.99*	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,547.81	1,402.57
		For 3/4" Insulated Slats, Add	*2,407.60*	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,329.20	1,482.14
		For 3/4" Insulated Slats, Add	*2,894.18*	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,190.14	1,601.49
		For 3/4" Insulated Slats, Add	*3,390.70*	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,044.31	1,760.63
		For 3/4" Insulated Slats, Add	*3,832.41*	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,978.04	1,959.55
		For 3/4" Insulated Slats, Add	*4,284.06*	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,991.34	2,198.24
		For 3/4" Insulated Slats, Add	*4,745.66*	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,163.76	2,516.52
		For 3/4" Insulated Slats, Add	*5,227.14*	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,341.00	1,582.20
		For 3/4" Insulated Slats, Add	*2,778.01*	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,931.45	1,661.77
		For 3/4" Insulated Slats, Add	*3,121.39*	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,636.62	1,741.34
		For 3/4" Insulated Slats, Add	*3,550.81*	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,349.64	1,860.69
		For 3/4" Insulated Slats, Add	*3,936.39*	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,181.41	2,019.83
		For 3/4" Insulated Slats, Add	*4,361.30*	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,012.46	2,178.95
		For 3/4" Insulated Slats, Add	*4,785.66*	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,697.98	2,377.87
		For 3/4" Insulated Slats, Add	*5,801.16*	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,463.07	2,616.58
		For 3/4" Insulated Slats, Add	*6,826.60*	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,611.78	1,819.54
		For 3/4" Insulated Slats, Add	*3,434.41*	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,279.38	1,899.11
		For 3/4" Insulated Slats, Add	*3,835.65*	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,877.17	1,978.68
		For 3/4" Insulated Slats, Add	*4,184.54*	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,574.74	2,098.03
		For 3/4" Insulated Slats, Add	*4,558.52*	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,410.02	2,257.15
		For 3/4" Insulated Slats, Add	*4,986.07*	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,355.20	2,416.29
		For 3/4" Insulated Slats, Add	*5,496.04*	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,772.48	2,615.21
		For 3/4" Insulated Slats, Add	*6,310.35*	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,279.91	2,853.92
		For 3/4" Insulated Slats, Add	*7,142.55*	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,253.87	2,046.99
		For 3/4" Insulated Slats, Add	*3,631.63*	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,854.49	2,126.55
		For 3/4" Insulated Slats, Add	*3,982.63*	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,810.37	2,245.90
		For 3/4" Insulated Slats, Add	*4,550.35*	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,710.71	2,405.04
		For 3/4" Insulated Slats, Add	*5,026.69*	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,696.03	2,603.96
		For 3/4" Insulated Slats, Add	*5,517.03*	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,761.61	2,842.66
		For 3/4" Insulated Slats, Add	*6,017.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,534.84	3,121.14
		For 3/4" Insulated Slats, Add	*6,999.66*	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,419.80	3,439.42
		For 3/4" Insulated Slats, Add	*8,015.54*	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,439.28	2,354.04
		For 3/4" Insulated Slats, Add	*4,136.87*	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,558.38	2,433.60
		For 3/4" Insulated Slats, Add	*4,876.74*	

08 33 23 11-0091 18 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0092	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,987.96	2,878.21
		For 3/4" Insulated Slats, Add	*5,393.25*	
08 33 23 11-0093	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,193.15	2,997.56
		For 3/4" Insulated Slats, Add	*6,147.95*	
08 33 23 11-0094	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,647.54	3,156.70
		For 3/4" Insulated Slats, Add	*7,039.82*	
08 33 23 11-0095	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,262.92	3,315.83
		For 3/4" Insulated Slats, Add	*8,052.45*	
08 33 23 11-0096	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,965.48	3,514.74
		For 3/4" Insulated Slats, Add	*9,080.72*	
08 33 23 11-0097	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,774.21	3,753.45
		For 3/4" Insulated Slats, Add	*10,138.89*	
08 33 23 11-0098	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,398.16	2,786.71
		For 3/4" Insulated Slats, Add	*4,315.27*	
08 33 23 11-0099	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,662.36	2,906.06
		For 3/4" Insulated Slats, Add	*5,114.24*	
08 33 23 11-0100	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,391.46	3,166.02
		For 3/4" Insulated Slats, Add	*6,086.03*	
08 33 23 11-0101	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,948.02	3,285.37
		For 3/4" Insulated Slats, Add	*7,104.27*	
08 33 23 11-0102	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,589.21	3,444.51
		For 3/4" Insulated Slats, Add	*8,136.24*	
08 33 23 11-0103	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,390.83	3,603.64
		For 3/4" Insulated Slats, Add	*9,288.54*	
08 33 23 11-0104	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,277.31	3,802.55
		For 3/4" Insulated Slats, Add	*10,454.75*	
08 33 23 11-0105	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,232.65	4,041.26
		For 3/4" Insulated Slats, Add	*11,622.88*	
08 33 23 11-0106	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,458.75	3,065.37
		For 3/4" Insulated Slats, Add	*4,762.31*	
08 33 23 11-0107	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,318.91	3,144.93
		For 3/4" Insulated Slats, Add	*5,307.98*	
08 33 23 11-0108	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,149.69	3,224.50
		For 3/4" Insulated Slats, Add	*6,581.60*	
08 33 23 11-0109	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,881.31	3,343.86
		For 3/4" Insulated Slats, Add	*7,731.13*	
08 33 23 11-0110	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,626.82	3,502.99
		For 3/4" Insulated Slats, Add	*8,841.34*	
08 33 23 11-0111	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,531.53	3,662.12
		For 3/4" Insulated Slats, Add	*10,070.95*	
08 33 23 11-0112	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,851.92	3,880.93
		For 3/4" Insulated Slats, Add	*11,537.74*	
08 33 23 11-0113	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	24,226.03	4,099.74
		For 3/4" Insulated Slats, Add	*13,044.81*	
08 33 23 11-0114	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,968.23	3,022.12
		For 3/4" Insulated Slats, Add	*5,948.53*	
08 33 23 11-0115	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,292.75	3,147.52
		For 3/4" Insulated Slats, Add	*6,785.27*	
08 33 23 11-0116	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,889.28	3,314.61
		For 3/4" Insulated Slats, Add	*7,773.80*	
08 33 23 11-0117	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,664.72	3,481.69
		For 3/4" Insulated Slats, Add	*8,896.52*	
08 33 23 11-0118	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,532.13	3,690.48
		For 3/4" Insulated Slats, Add	*10,036.00*	
08 33 23 11-0119	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,512.65	3,941.12
		For 3/4" Insulated Slats, Add	*11,208.09*	
08 33 23 11-0120	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,212.88	2,925.99
		For 3/4" Insulated Slats, Add	*4,752.16*	
08 33 23 11-0121	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,602.96	3,051.39
		For 3/4" Insulated Slats, Add	*5,638.08*	
08 33 23 11-0122	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,492.51	3,324.31
		For 3/4" Insulated Slats, Add	*6,713.90*	
08 33 23 11-0123	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,207.43	3,449.71
		For 3/4" Insulated Slats, Add	*7,843.44*	
08 33 23 11-0124	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,011.53	3,616.80
		For 3/4" Insulated Slats, Add	*8,987.65*	
08 33 23 11-0125	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,993.87	3,783.89
		For 3/4" Insulated Slats, Add	*10,265.54*	
08 33 23 11-0126	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,065.66	3,992.68
		For 3/4" Insulated Slats, Add	*11,558.30*	
08 33 23 11-0127	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	24,209.09	4,243.31
		For 3/4" Insulated Slats, Add	*12,852.58*	
08 33 23 11-0128	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,357.24	3,218.65
		For 3/4" Insulated Slats, Add	*5,244.62*	
08 33 23 11-0129	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,303.25	3,302.19
		For 3/4" Insulated Slats, Add	*5,849.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0130	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,327.71	3,385.74
		For 3/4" Insulated Slats, Add	*7,263.61*	
08 33 23 11-0131	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,237.16	3,510.97
		For 3/4" Insulated Slats, Add	*8,539.05*	
08 33 23 11-0132	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,157.17	3,678.07
		For 3/4" Insulated Slats, Add	*9,770.19*	
08 33 23 11-0133	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,254.06	3,845.16
		For 3/4" Insulated Slats, Add	*11,134.00*	
08 33 23 11-0134	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,805.61	4,074.94
		For 3/4" Insulated Slats, Add	*12,760.43*	
08 33 23 11-0135	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	26,416.69	4,304.74
		For 3/4" Insulated Slats, Add	*14,431.60*	

08 33 23 11-0136 Aluminum Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0137 0.04" Aluminum Overhead Coiling Doors *(08 33 23 11-0136)*

08 33 23 11-0138	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,024.37	905.87
08 33 23 11-0139	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,243.98	956.20
08 33 23 11-0140	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,767.16	995.99
08 33 23 11-0141	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,685.55	1,056.85
08 33 23 11-0142	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,033.92	1,157.51
08 33 23 11-0143	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,260.63	1,197.30
08 33 23 11-0144	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,531.43	1,237.08
08 33 23 11-0145	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,845.22	1,296.75
08 33 23 11-0146	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,017.94	1,132.33
08 33 23 11-0147	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,368.05	1,207.83
08 33 23 11-0148	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,670.97	1,258.16
08 33 23 11-0149	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,942.00	1,297.95
08 33 23 11-0150	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,253.85	1,357.62
08 33 23 11-0151	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,787.15	1,308.48
08 33 23 11-0152	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,085.49	1,358.81
08 33 23 11-0153	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,488.35	1,438.38
08 33 23 11-0154	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,972.13	1,557.73
08 33 23 11-0155	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,709.48	1,716.87
08 33 23 11-0156	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,526.32	1,915.78
08 33 23 11-0157	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,418.71	2,154.48
08 33 23 11-0158	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,391.85	2,432.97
08 33 23 11-0159	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,080.53	1,358.81
08 33 23 11-0160	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,645.36	1,402.57
08 33 23 11-0161	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,176.48	1,482.14
08 33 23 11-0162	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,789.40	1,601.49
08 33 23 11-0163	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,614.59	1,760.63
08 33 23 11-0164	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,521.27	1,959.55
08 33 23 11-0165	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,227.48	2,198.24
08 33 23 11-0166	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	10,095.41	2,516.52

08 33 23 11-0167 0.05" Aluminum Overhead Coiling Doors *(08 33 23 11-0136)*

08 33 23 11-0168	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,820.25	1,582.20
08 33 23 11-0169	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,510.56	1,661.77
08 33 23 11-0170	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,188.31	1,741.34
08 33 23 11-0171	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,895.30	1,860.69
08 33 23 11-0172	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,722.76	2,019.83
08 33 23 11-0173	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,550.18	2,178.95
08 33 23 11-0174	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,468.18	2,377.87
08 33 23 11-0175	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,465.88	2,616.58
08 33 23 11-0176	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,774.27	1,819.54
08 33 23 11-0177	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,494.44	1,899.11
08 33 23 11-0178	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,186.30	1,978.68
08 33 23 11-0179	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,978.18	2,098.03
08 33 23 11-0180	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,906.22	2,257.15
08 33 23 11-0181	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,881.36	2,416.29
08 33 23 11-0182	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,898.35	2,615.21
08 33 23 11-0183	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,946.22	2,853.92
08 33 23 11-0184	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,576.53	2,046.99
08 33 23 11-0185	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,345.42	2,126.55
08 33 23 11-0186	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,265.19	2,245.90
08 33 23 11-0187	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,252.31	2,405.04
08 33 23 11-0188	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,329.05	2,603.96
08 33 23 11-0189	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,479.06	2,842.66
08 33 23 11-0190	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,707.07	3,121.14
08 33 23 11-0191	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,020.93	3,439.42
08 33 23 11-0192	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,662.09	2,354.04
08 33 23 11-0193	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,445.12	2,433.60
08 33 23 11-0194	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,725.72	2,552.95
08 33 23 11-0195	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,660.05	2,712.09
08 33 23 11-0196	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,821.64	2,911.01
08 33 23 11-0197	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,091.07	3,149.70
08 33 23 11-0198	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,389.78	3,428.19
08 33 23 11-0199	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,801.10	3,746.47
08 33 23 11-0200	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,229.78	2,786.71
08 33 23 11-0201	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,266.79	2,906.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0202	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,698.35	3,166.02
08 33 23 11-0203	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,828.07	3,285.37
08 33 23 11-0204	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,035.83	3,444.51
08 33 23 11-0205	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,254.58	3,603.64
08 33 23 11-0206	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,493.17	3,802.55
08 33 23 11-0207	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,819.18	4,041.26
08 33 23 11-0208	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,272.80	3,065.37
08 33 23 11-0209	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,911.24	3,144.93
08 33 23 11-0210	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,393.62	3,224.50
08 33 23 11-0211	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,652.21	3,343.86
08 33 23 11-0212	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,925.97	3,502.99
08 33 23 11-0213	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,199.74	3,662.12
08 33 23 11-0214	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,716.48	3,861.04
08 33 23 11-0215	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	20,359.96	4,099.74

08 33 23 11-0216 Overhead Coiling Door Accessories *(08 33 23 11)*

08 33 23 11-0217	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	5.71	1.70
08 33 23 11-0218	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	35.65	2.03
08 33 23 11-0219	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	34.01	2.03
08 33 23 11-0220	EA	Cylinder Lock For Coiling Doors	315.52	84.78
08 33 23 11-0221	LF	3" High Vision Lites, 5/8" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	16.98	
08 33 23 11-0222	LF	10" High Vision Lites, 1" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	67.90	
08 33 23 11-0223	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,947.04	271.30
08 33 23 11-0224	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,448.01	271.30
08 33 23 11-0225	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,303.00	305.21
08 33 23 11-0226	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,714.31	305.21
08 33 23 11-0227	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,959.55	339.12
08 33 23 11-0228	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	3,209.07	339.12
08 33 23 11-0229	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	85.35	
08 33 23 11-0230	EA	Remote Transmitter Kit For Coiling Door Operators	421.40	135.65

08 33 23 11-0231 Removal And Reinstallation Of Roll-Up Door And Support *(08 33 23 11)*

Note: Includes storage, cleaning and supply materials.

08 33 23 11-0232	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	28.84	

08 33 23 13 Overhead Rapid Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0997 for forklift.

08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13)*

Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.

08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0001)*

08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*

08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,464.68	496.47
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,760.73	519.52
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,054.85	542.59
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,347.03	565.65
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,643.09	588.71
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,937.20	611.77

08 33 23 13-0010 6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*

08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,760.73	519.52
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,054.85	542.59
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,347.03	565.65
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,643.09	588.71
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,937.20	611.77
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,231.33	634.83

08 33 23 13-0017 7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*

08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,054.85	542.59
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,347.03	565.65
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,643.09	588.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,937.20	611.77
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,231.33	634.83
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,527.39	657.89
08 33 23 13-0024		8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,347.03	565.65
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,643.09	588.71
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,937.20	611.77
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,231.33	634.83
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,527.39	657.89
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,819.57	680.95
08 33 23 13-0031		9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,643.09	588.71
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,937.20	611.77
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,231.33	634.83
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,527.39	657.89
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,819.57	680.95
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,115.62	704.01
08 33 23 13-0038		10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,937.20	611.77
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,231.33	634.83
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,527.39	657.89
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,819.57	680.95
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,115.62	704.01
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,409.74	727.07
08 33 23 13-0045		Rytec® Bantam® Door Options *(08 33 23 13-0001)*		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	12.11	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	26.64	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	38.75	
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	368.12	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	716.90	67.82
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	716.90	67.82
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.	3,032.23	135.65
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator Note: Includes open/close/stop control.	387.52	67.82
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator	377.84	67.82
08 33 23 13-0055		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13)* Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0055)*		
08 33 23 13-0057		6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,664.07	542.59
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,936.23	565.65
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,249.65	588.71
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,685.05	611.77
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,129.45	634.83
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,875.22	657.89
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,405.71	680.95
08 33 23 13-0065		7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,995.43	565.65
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,341.14	588.71
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,774.75	611.77
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,233.50	634.83
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,837.54	657.89
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,565.37	680.95
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,140.72	704.01
08 33 23 13-0073		8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,398.55	588.71
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,830.37	611.77
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,307.05	634.83
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,929.04	657.89
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,490.03	680.95
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,282.44	704.01
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,933.13	727.07
08 33 23 13-0081		9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,889.57	611.77
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,362.66	634.83
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,984.65	657.89
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,563.58	680.95
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,171.22	704.01
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,802.17	727.07
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,494.12	750.13
08 33 23 13-0089		10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,409.31	634.83
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,043.85	657.89
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,617.40	680.95
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,230.42	704.01
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,909.81	727.07
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,049.22	750.13
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,202.22	773.19
08 33 23 13-0097		11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,077.94	657.89
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,665.84	680.95
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,286.03	704.01
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,967.22	727.07
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,415.19	750.13
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,299.09	773.19
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,023.34	796.25
08 33 23 13-0105		12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,681.98	680.95
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,318.32	704.01
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,012.07	727.07
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,476.18	750.13
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,085.61	773.19
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,105.86	796.25
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,815.75	819.31
08 33 23 13-0113		Rytec® PredaDoor® Door Options *(08 33 23 13-0055)*		
08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	854.34	135.65
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	1,240.05	135.65
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	14.53	
08 33 23 13-0117		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13)*		
		Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0118		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0117)*		
08 33 23 13-0119		8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,329.20	1,220.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,476.56	1,255.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,476.81	1,290.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,552.42	1,324.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,771.54	1,359.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,412.99	1,393.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,413.24	1,428.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,305.36	1,465.51
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,724.25	1,503.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,871.93	1,542.70
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,292.89	1,582.81
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0131		9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,476.56	1,255.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,476.81	1,290.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,552.42	1,324.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,771.54	1,359.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,412.99	1,393.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,413.24	1,428.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,702.32	1,462.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,724.24	1,503.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,871.93	1,542.70
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,292.89	1,582.81
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,985.26	1,623.96
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	

08 33 23 13-0143 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,476.81	1,290.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,552.42	1,324.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,771.54	1,359.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,412.99	1,393.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,413.24	1,428.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,702.32	1,462.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,919.66	1,497.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,870.43	1,541.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,291.35	1,582.04
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,983.68	1,623.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,410.76	1,665.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,552.42	1,324.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,771.54	1,359.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,412.99	1,393.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,413.24	1,428.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,702.32	1,462.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,919.66	1,497.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,280.50	1,532.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,287.65	1,580.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,979.88	1,621.28
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,406.87	1,663.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,101.49	1,706.67
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0167		12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,771.54	1,359.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,412.99	1,393.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,413.24	1,428.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,702.32	1,462.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,919.66	1,497.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,280.50	1,532.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,259.22	1,566.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,974.19	1,618.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,401.03	1,660.51
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,095.49	1,703.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,792.21	1,747.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0179		13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,152.10	1,393.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,430.42	1,428.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,642.37	1,462.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,049.86	1,497.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,451.97	1,532.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,493.47	1,566.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,285.62	1,601.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,504.02	1,656.79
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,200.24	1,699.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,904.50	1,744.06
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,405.69	1,789.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0191		14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,430.42	1,428.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,642.37	1,462.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,049.86	1,497.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,451.97	1,532.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,493.47	1,566.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,285.62	1,601.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,461.70	1,635.90
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,190.63	1,695.06
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,894.65	1,739.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,395.58	1,784.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,660.03	1,830.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,573.76	1,428.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,981.75	1,462.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,383.94	1,497.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,425.74	1,532.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,217.59	1,566.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,393.08	1,601.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,147.58	1,673.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,884.47	1,734.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,385.14	1,779.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,649.32	1,825.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,947.18	1,872.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,045.50	1,494.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,450.90	1,531.03
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,495.92	1,567.22
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,291.00	1,603.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,469.70	1,639.62
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,152.16	1,675.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,840.43	1,712.02
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,374.74	1,773.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,638.65	1,820.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,936.23	1,867.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,247.89	1,915.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

08 33 23 13-0227 17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,319.38	1,529.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,493.94	1,566.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,914.56	1,603.28
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,474.67	1,640.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,906.93	1,677.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,034.73	1,714.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,085.04	1,751.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,628.01	1,814.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,925.31	1,861.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,236.69	1,910.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,478.89	1,959.99
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,866.09	1,564.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,416.28	1,602.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,104.05	1,640.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,786.00	1,678.03
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,539.64	1,715.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,029.53	1,753.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,589.17	1,791.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,854.10	1,856.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,225.51	1,904.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,403.48	1,954.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,651.85	2,005.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	

08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,412.48	1,600.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,101.99	1,639.12
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,785.68	1,677.87
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,541.06	1,716.63
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,032.69	1,755.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,594.08	1,794.14
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,806.96	1,832.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,214.37	1,899.16
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,392.06	1,948.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,640.12	1,999.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,890.83	2,051.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,098.10	1,637.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,783.57	1,676.81
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,540.74	1,716.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,034.15	1,756.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,597.31	1,795.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,811.98	1,835.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,166.14	1,875.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,380.66	1,942.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,628.44	1,993.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,878.83	2,045.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,860.68	2,098.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0275 21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,364.12	1,755.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,859.34	1,796.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,422.39	1,837.06
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,642.75	1,877.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,996.80	1,918.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,214.45	1,987.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,464.55	2,039.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,717.33	2,092.23
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,701.62	2,146.63
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,320.37	1,796.33
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,819.41	1,837.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,382.39	1,879.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,602.68	1,920.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,962.47	1,962.29
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,183.31	2,033.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,435.78	2,086.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,689.07	2,140.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,677.79	2,196.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,280.43	1,837.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,779.44	1,880.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,346.26	1,922.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,568.46	1,964.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,928.23	2,007.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,154.27	2,080.01
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,407.24	2,134.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,664.95	2,189.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	71,656.25	2,246.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0306	EA	24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,240.47	1,879.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0307	EA	24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,741.43	1,923.33
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0308	EA	24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,312.13	1,966.75
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0309	EA	24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,536.29	2,010.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0310	EA	24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	64,896.07	2,053.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0311	EA	24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,123.51	2,127.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0312	EA	24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,380.90	2,183.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0313	EA	24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	71,643.10	2,239.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0314	EA	24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	73,633.14	2,298.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0315		**Rytec® Fast-Seal® Door Options** *(08 33 23 13-0117)*		
08 33 23 13-0316	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	53.82	
08 33 23 13-0317	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	583.04	
08 33 23 13-0318	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	968.75	
08 33 23 13-0319	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,424.63	
08 33 23 13-0320	EA	>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	2,131.24	
08 33 23 13-0321	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	340.86	
08 33 23 13-0322	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	672.74	
08 33 23 13-0323	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	852.14	
08 33 23 13-0324	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	1,345.48	
08 33 23 13-0325	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	394.67	
08 33 23 13-0326	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	780.38	
08 33 23 13-0327	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	968.75	
08 33 23 13-0328	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	1,560.76	
08 33 23 13-0329	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'	774.92	
		For 304 Stainless Steel, Add	*123.99*	
		For 316 Stainless Steel, Add	*542.44*	
08 33 23 13-0330	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'	1,007.40	
		For 304 Stainless Steel, Add	*161.18*	
		For 316 Stainless Steel, Add	*705.18*	
08 33 23 13-0331	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'	1,317.37	
		For 304 Stainless Steel, Add	*210.78*	
		For 316 Stainless Steel, Add	*922.16*	
08 33 23 13-0332	EA	Through Wall Brake Release	200.50	
08 33 23 13-0333	EA	Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	22,240.35	
		For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	*-6,200.00*	
08 33 23 13-0334		**High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13)* Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lb. polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.		
08 33 23 13-0335		**High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0334)*		
08 33 23 13-0336		**8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,441.56	1,220.83
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,739.36	1,255.42
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,263.85	1,290.00
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,788.35	1,324.60
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,314.78	1,359.18
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,839.26	1,393.78
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,135.13	1,428.37
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,666.66	1,465.51
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,653.49	1,503.61
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,960.30	1,542.70
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,724.44	1,582.81
08 33 23 13-0348		**9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,739.36	1,255.42
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,035.23	1,290.00
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,561.66	1,324.60
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,314.78	1,359.18
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,610.64	1,393.78
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,135.13	1,428.37
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,661.56	1,462.95
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,198.18	1,503.61
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,415.61	1,542.70
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,637.00	1,582.81
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,858.57	1,623.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0360		**10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,403.10	1,290.00
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,700.91	1,324.60
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,225.40	1,359.18
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,978.51	1,393.78
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,503.00	1,428.37
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,029.43	1,462.95
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,553.93	1,497.55
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,326.66	1,541.94
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,317.47	1,582.04
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,767.60	1,623.17
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,993.19	1,665.37
08 33 23 13-0372		**11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,472.29	1,324.60
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,996.78	1,359.18
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,523.20	1,393.78
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,276.31	1,428.37
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,800.80	1,462.95
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,325.30	1,497.55
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,535.67	1,532.13
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,997.70	1,580.19
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,447.75	1,621.27
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,899.92	1,663.43
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,125.66	1,706.67
08 33 23 13-0384		**12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,770.09	1,359.18
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,294.57	1,393.78
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,819.06	1,428.37
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,572.18	1,462.95
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,325.30	1,497.55
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,762.36	1,532.13
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,199.40	1,566.73
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,670.68	1,618.43
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,349.38	1,660.51
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,803.61	1,703.68
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,260.07	1,747.98
08 33 23 13-0396		**13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,294.57	1,393.78
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,592.38	1,428.37
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,116.87	1,462.95
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,098.62	1,497.55
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,762.36	1,532.13
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,428.02	1,566.73
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,865.07	1,601.32
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,570.58	1,656.78
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,253.22	1,699.86
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,936.17	1,744.06
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,394.73	1,789.40
08 33 23 13-0408		**14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,592.38	1,428.37
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,888.24	1,462.95
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,641.37	1,497.55
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,078.42	1,532.13
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,199.40	1,566.73
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,865.07	1,601.32
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,757.43	1,635.91
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,470.29	1,695.07
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,154.93	1,739.14
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,839.92	1,784.34
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,757.82	1,830.74
08 33 23 13-0420		**15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,025.96	1,461.22
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,552.04	1,496.61
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,306.74	1,531.98
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,288.15	1,567.37
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,639.34	1,602.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,533.29	1,638.14
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,427.25	1,673.54
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,144.78	1,734.05
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,058.12	1,779.12
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,973.81	1,825.40
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,891.92	1,872.85
08 33 23 13-0432		**16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,319.86	1,494.83
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,076.19	1,531.03
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,832.54	1,567.23
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,728.12	1,603.42
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,307.62	1,639.62
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,205.14	1,675.83
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,100.73	1,712.02
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,047.72	1,773.92
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,963.14	1,820.05
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,880.96	1,867.37
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,029.88	1,915.92
08 33 23 13-0444		**17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,845.86	1,529.21
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,375.23	1,566.24
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,272.49	1,603.27
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,169.73	1,640.30
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,750.91	1,677.34
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,876.78	1,714.37
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,774.03	1,751.40
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,952.50	1,814.74
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,870.04	1,861.91
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,018.68	1,910.32
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,169.81	1,960.00
08 33 23 13-0456		**18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,371.52	1,564.38
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,902.61	1,602.27
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,485.48	1,640.16
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,613.06	1,678.02
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,195.96	1,715.92
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,323.52	1,753.80
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,679.72	1,791.69
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,859.15	1,856.47
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,007.49	1,904.74
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,158.34	1,954.26
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,311.78	2,005.07
08 33 23 13-0468		**19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,354.11	1,600.35
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,115.55	1,639.12
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,928.80	1,677.88
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,058.12	1,716.63
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,871.37	1,755.39
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,000.70	1,794.14
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,356.70	1,832.90
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,541.05	1,899.17
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,918.31	1,948.54
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,071.43	1,999.21
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,455.82	2,051.20
08 33 23 13-0480		**20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,795.60	1,637.17
08 33 23 13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,558.83	1,676.81
08 33 23 13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,145.24	1,716.47
08 33 23 13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,504.97	1,756.10
08 33 23 13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,319.99	1,795.76
08 33 23 13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,677.79	1,835.40
08 33 23 13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,037.51	1,875.06
08 33 23 13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,451.60	1,942.85
08 33 23 13-0489	EA	20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,833.05	1,993.37
08 33 23 13-0490	EA	20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,215.19	2,045.18
08 33 23 13-0491	EA	20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,600.05	2,098.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0492		**21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0493	EA	21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,099.53	1,674.82
08 33 23 13-0494	EA	21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,232.46	1,715.38
08 33 23 13-0495	EA	21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,365.38	1,755.94
08 33 23 13-0496	EA	21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,953.61	1,796.50
08 33 23 13-0497	EA	21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,770.46	1,837.06
08 33 23 13-0498	EA	21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,358.70	1,877.62
08 33 23 13-0499	EA	21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,718.31	1,918.17
08 33 23 13-0500	EA	21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,364.14	1,987.54
08 33 23 13-0501	EA	21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,747.93	2,039.22
08 33 23 13-0502	EA	21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,132.45	2,092.23
08 33 23 13-0503	EA	21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,748.37	2,146.62
08 33 23 13-0504		**22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0505	EA	22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,631.88	1,713.35
08 33 23 13-0506	EA	22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,538.04	1,754.85
08 33 23 13-0507	EA	22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,814.02	1,796.32
08 33 23 13-0508	EA	22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,404.11	1,837.82
08 33 23 13-0509	EA	22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,449.53	1,879.31
08 33 23 13-0510	EA	22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,039.63	1,920.81
08 33 23 13-0511	EA	22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,403.05	1,962.29
08 33 23 13-0512	EA	22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,052.07	2,033.24
08 33 23 13-0513	EA	22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,664.91	2,086.10
08 33 23 13-0514	EA	22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,280.50	2,140.35
08 33 23 13-0515	EA	22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,898.92	2,196.00
08 33 23 13-0516		**23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0517	EA	23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,307.20	1,752.75
08 33 23 13-0518	EA	23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,986.65	1,795.20
08 33 23 13-0519	EA	23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,035.89	1,837.65
08 33 23 13-0520	EA	23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,856.52	1,880.09
08 33 23 13-0521	EA	23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,903.85	1,922.53
08 33 23 13-0522	EA	23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,495.86	1,964.98
08 33 23 13-0523	EA	23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,316.49	2,007.43
08 33 23 13-0524	EA	23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,968.78	2,080.02
08 33 23 13-0525	EA	23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,584.06	2,134.09
08 33 23 13-0526	EA	23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,430.78	2,189.58
08 33 23 13-0527	EA	23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	71,051.74	2,246.51
08 33 23 13-0528		**24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0529	EA	24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,755.70	1,793.07
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,981.79	1,836.49
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,488.30	1,879.91
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,082.26	1,923.33
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,360.15	1,966.75
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,182.74	2,010.17
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,003.40	2,053.59
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,887.64	2,127.85
08 33 23 13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,505.41	2,183.17
08 33 23 13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,354.67	2,239.94
08 33 23 13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	73,206.89	2,298.18
08 33 23 13-0540		**Rytec® Powerhouse™ Door Options** *(08 33 23 13-0334)*		
08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,964.37	
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,022.49	
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,080.62	
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,138.74	
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,196.87	
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,254.99	
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,313.11	
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,371.24	
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,429.36	
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,487.49	
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,545.61	
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,603.74	
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,661.86	
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,719.99	
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,778.11	
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,836.24	
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,894.36	
08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors	678.12	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door Note: Includes System 4 Controller In NEMA 4 Enclosure	1,666.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0560		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13)* Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 23 13-0561		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13-0560)*		
08 33 23 13-0562		8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,040.44	1,627.77
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,080.17	1,662.36
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,119.89	1,696.95
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,161.41	1,731.53
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,201.13	1,766.13
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,240.84	1,800.72
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,219.86	1,835.31
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,254.84	1,872.01
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,290.72	1,909.45
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,328.09	1,947.64
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,366.99	1,986.60
08 33 23 13-0574		9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,080.17	1,662.36
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,119.89	1,696.95
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,161.41	1,731.53
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,201.13	1,766.13
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,240.84	1,800.72
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,280.57	1,835.31
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,259.58	1,869.90
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,280.08	1,907.30
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,335.31	1,945.44
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,374.14	1,984.36
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,414.51	2,024.03
08 33 23 13-0586		10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,119.89	1,696.95
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,161.41	1,731.53
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,201.13	1,766.13
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,240.84	1,800.72
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,280.57	1,835.31
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,320.29	1,869.90
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,299.30	1,904.49
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,337.34	1,942.58
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,376.04	1,981.43
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,416.28	2,021.07
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,458.13	2,061.47
08 33 23 13-0598		11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,161.41	1,731.53
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,201.13	1,766.13
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,240.84	1,800.72
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,280.57	1,835.31
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,320.29	1,869.90
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,360.01	1,904.49
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,337.23	1,939.08
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,378.58	1,977.86
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,418.69	2,017.42
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,460.39	2,057.77
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,503.70	2,098.93
08 33 23 13-0610		12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,201.13	1,766.13
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,240.84	1,800.72
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,280.57	1,835.31
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,320.29	1,869.90
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,360.01	1,904.49
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,399.73	1,939.08
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,378.74	1,973.67
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,419.83	2,013.14
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,461.36	2,053.40
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,504.49	2,094.48
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,551.21	2,136.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0622		**13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,240.84	1,800.72
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,280.57	1,835.31
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,320.29	1,869.90
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,360.01	1,904.49
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,399.73	1,939.08
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,439.46	1,973.67
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,418.46	2,008.26
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,461.08	2,048.42
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,504.01	2,089.39
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,548.60	2,131.18
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,594.82	2,173.80
08 33 23 13-0634		**14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,219.86	1,835.31
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,259.58	1,869.90
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,299.30	1,904.49
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,337.23	1,939.08
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,378.74	1,973.67
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,418.46	2,008.26
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,449.22	2,042.85
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,492.64	2,083.71
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,536.98	2,125.38
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,583.00	2,167.89
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,630.72	2,211.24
08 33 23 13-0646		**15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,254.84	1,872.01
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,298.02	1,907.30
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,337.34	1,942.58
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,378.58	1,977.86
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,419.83	2,013.14
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,461.08	2,048.42
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,492.64	2,083.71
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,536.98	2,125.38
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,583.00	2,167.89
08 33 23 13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,630.72	2,211.24
08 33 23 13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,680.16	2,255.47
08 33 23 13-0658		**16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,290.72	1,909.45
08 33 23 13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,335.31	1,945.44
08 33 23 13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,376.04	1,981.43
08 33 23 13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,418.69	2,017.42
08 33 23 13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,461.36	2,053.40
08 33 23 13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,504.01	2,089.39
08 33 23 13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,536.98	2,125.38
08 33 23 13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,583.00	2,167.89
08 33 23 13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,630.72	2,211.24
08 33 23 13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,680.16	2,255.47
08 33 23 13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,733.31	2,300.58
08 33 23 13-0670		**17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,328.09	1,947.64
08 33 23 13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,374.14	1,984.36
08 33 23 13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,416.28	2,021.07
08 33 23 13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,460.39	2,057.77
08 33 23 13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,504.49	2,094.48
08 33 23 13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,548.60	2,131.18
08 33 23 13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,583.00	2,167.89
08 33 23 13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,630.72	2,211.24
08 33 23 13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,680.16	2,255.47
08 33 23 13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,733.31	2,300.58
08 33 23 13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,786.33	2,346.59
08 33 23 13-0682		**18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,582.05	1,986.60
08 33 23 13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,627.64	2,024.03
08 33 23 13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,673.19	2,061.47
08 33 23 13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,716.82	2,098.93
08 33 23 13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,764.33	2,136.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,807.95	2,173.80
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,845.78	2,211.24
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,895.22	2,255.47
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,946.44	2,300.58
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,999.45	2,346.59
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,054.32	2,393.53
08 33 23 13-0694		**19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,942.20	2,026.33
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,991.20	2,064.52
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,036.34	2,102.71
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,083.40	2,140.90
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,130.47	2,179.09
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,177.53	2,217.28
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,214.91	2,255.47
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,266.12	2,300.58
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,319.14	2,346.59
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,374.01	2,393.53
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,432.68	2,441.40
08 33 23 13-0706		**20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,625.03	2,067.27
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,676.33	2,105.24
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,722.39	2,144.59
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,771.76	2,183.92
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,819.76	2,223.26
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,867.76	2,261.24
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,907.43	2,300.58
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,960.67	2,346.70
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,015.26	2,394.18
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,072.58	2,441.65
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,131.23	2,490.49
08 33 23 13-0718		**Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0560)*		
08 33 23 13-0719		**8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,133.91	1,085.18
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,928.12	1,108.24
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,722.32	1,131.30
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,512.95	1,154.36
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,307.16	1,177.42
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,101.37	1,200.47
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,372.87	1,223.54
08 33 23 13-0727		**9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,928.12	1,108.24
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,722.32	1,131.30
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,512.95	1,154.36
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,307.16	1,177.42
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,101.37	1,200.47
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,895.57	1,223.54
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,167.07	1,246.60
08 33 23 13-0735		**10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,722.32	1,131.30
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,512.95	1,154.36
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,307.16	1,177.42
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,101.37	1,200.47
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,895.57	1,223.54
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,689.78	1,246.60
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,961.28	1,269.66
08 33 23 13-0743		**11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,512.95	1,154.36
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,307.16	1,177.42
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,101.37	1,200.47
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,895.57	1,223.54
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,689.78	1,246.60
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,483.99	1,269.66
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,751.89	1,292.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0751		**12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,307.16	1,177.42
08 33 23 13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,101.37	1,200.47
08 33 23 13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,895.57	1,223.54
08 33 23 13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,689.78	1,246.60
08 33 23 13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,483.99	1,269.66
08 33 23 13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,278.19	1,292.72
08 33 23 13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,546.11	1,315.78
08 33 23 13-0759		**13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,101.37	1,200.47
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,895.57	1,223.54
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,689.78	1,246.60
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,483.99	1,269.66
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,278.19	1,292.72
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,072.41	1,315.78
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,340.32	1,338.84
08 33 23 13-0767		**14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,372.87	1,223.54
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,167.07	1,246.60
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,961.28	1,269.66
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,751.89	1,292.72
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,546.11	1,315.78
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,340.32	1,338.84
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,134.53	1,361.90
08 33 23 13-0775		**Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0560)*		
08 33 23 13-0776		**8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,570.32	1,085.18
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,364.53	1,108.24
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,158.73	1,131.30
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,951.15	1,154.36
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,745.36	1,177.42
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,525.56	1,194.38
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,950.20	1,200.47
08 33 23 13-0784		**9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,364.53	1,108.24
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,158.73	1,131.30
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,951.15	1,154.36
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,745.36	1,177.42
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,537.77	1,200.47
08 33 23 13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,314.34	1,214.73
08 33 23 13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,057.03	1,223.54
08 33 23 13-0792		**10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,158.73	1,131.30
08 33 23 13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,951.15	1,154.36
08 33 23 13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,745.36	1,177.42
08 33 23 13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,537.77	1,200.47
08 33 23 13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,331.98	1,223.54
08 33 23 13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,113.98	1,240.49
08 33 23 13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,073.69	1,246.60
08 33 23 13-0800		**11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,951.15	1,154.36
08 33 23 13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,745.36	1,177.42
08 33 23 13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,537.77	1,200.47
08 33 23 13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,331.98	1,223.54
08 33 23 13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,126.19	1,246.60
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,908.19	1,263.55
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,090.35	1,269.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0808		**12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,745.36	1,177.42
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,537.77	1,200.47
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,331.98	1,223.54
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,126.19	1,246.60
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,920.40	1,269.66
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,699.69	1,285.26
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,107.00	1,292.72
08 33 23 13-0816		**13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,537.77	1,200.47
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,331.98	1,223.54
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,126.19	1,246.60
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,920.40	1,269.66
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,714.60	1,292.72
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,495.25	1,309.00
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	45,123.68	1,315.78
08 33 23 13-0824		**14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,996.32	1,223.54
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,012.98	1,246.60
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	45,029.64	1,269.66
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,044.50	1,292.72
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	47,062.96	1,315.78
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	48,067.41	1,332.73
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	48,079.62	1,338.84
08 33 23 13-0832		**Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0560)*		
08 33 23 13-0833		**8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,961.85	1,085.18
08 33 23 13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,970.91	1,108.24
08 33 23 13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,978.02	1,131.30
08 33 23 13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,517.95	1,154.36
08 33 23 13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,059.82	1,177.42
08 33 23 13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,601.68	1,200.47
08 33 23 13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,143.55	1,223.54
08 33 23 13-0841		**9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,970.91	1,108.24
08 33 23 13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,978.02	1,131.30
08 33 23 13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,985.14	1,154.36
08 33 23 13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,527.01	1,177.42
08 33 23 13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,066.94	1,200.47
08 33 23 13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,608.80	1,223.54
08 33 23 13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,160.35	1,246.60
08 33 23 13-0849		**10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,978.02	1,131.30
08 33 23 13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,985.14	1,154.36
08 33 23 13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,992.26	1,177.42
08 33 23 13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,534.13	1,200.47
08 33 23 13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,074.05	1,223.54
08 33 23 13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,615.92	1,246.60
08 33 23 13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,177.16	1,269.66
08 33 23 13-0857		**11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,985.14	1,154.36
08 33 23 13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,992.26	1,177.42
08 33 23 13-0860	EA	11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,999.38	1,200.47
08 33 23 13-0861	EA	11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,541.24	1,223.54
08 33 23 13-0862	EA	11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,083.11	1,246.60
08 33 23 13-0863	EA	11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,623.04	1,269.66
08 33 23 13-0864	EA	11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,192.02	1,292.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0865		**12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0866	EA	12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,992.26	1,177.42
08 33 23 13-0867	EA	12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,999.38	1,200.47
08 33 23 13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,006.49	1,223.54
08 33 23 13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,548.36	1,246.60
08 33 23 13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,090.22	1,269.66
08 33 23 13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,630.14	1,292.72
08 33 23 13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,210.77	1,315.78
08 33 23 13-0873		**13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,999.38	1,200.47
08 33 23 13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,006.49	1,223.54
08 33 23 13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,013.61	1,246.60
08 33 23 13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,555.48	1,269.66
08 33 23 13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,097.33	1,292.72
08 33 23 13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,639.21	1,315.78
08 33 23 13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,227.57	1,338.84
08 33 23 13-0881		**14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,006.49	1,223.54
08 33 23 13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,013.61	1,246.60
08 33 23 13-0884	EA	14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,020.73	1,269.66
08 33 23 13-0885	EA	14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,562.58	1,292.72
08 33 23 13-0886	EA	14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,104.46	1,315.78
08 33 23 13-0887	EA	14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,646.32	1,338.84
08 33 23 13-0888	EA	14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	59,234.69	1,361.90
08 33 23 13-0889		**Rytec® Spiral® Door Options** *(08 33 23 13-0560)*		
08 33 23 13-0890	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	583.04	
08 33 23 13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	394.67	
08 33 23 13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	583.04	
08 33 23 13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	394.67	
08 33 23 13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	583.04	
08 33 23 13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	1,104.40	67.82
08 33 23 13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,177.54	135.65
08 33 23 13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	5,698.08	135.65
08 33 23 13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	6,478.46	135.65
08 33 23 13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors	678.12	
08 33 23 13-0900		**Activation And Control Box Options For High Speed Doors** *(08 33 23 13)*		
08 33 23 13-0901	EA	Pull Cord For High-Speed Rolling Doors	279.17	67.82
08 33 23 13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	211.34	33.91
08 33 23 13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	265.16	33.91
08 33 23 13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors	184.43	33.91
08 33 23 13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	283.10	33.91
08 33 23 13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors	462.49	33.91
08 33 23 13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	507.34	33.91
08 33 23 13-0908	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	786.51	61.05
08 33 23 13-0909	EA	Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	1,057.80	
08 33 23 13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors	678.35	61.05
08 33 23 13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors	885.18	61.05
08 33 23 13-0912	EA	Motion Detector For High-Speed Rolling Doors	763.10	40.69
08 33 23 13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	530.32	67.82
08 33 23 13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	718.69	67.82
08 33 23 13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	817.36	67.82
08 33 23 13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	1,014.70	67.82

08 33 26 Overhead Coiling Grilles *(08 33)*

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0997 for forklift.

08 33 26 00-0001		**Galvanized Steel Overhead Coiling Grilles (Width x Height)** *(08 33 26)*		
08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,019.62	240.53
		For Lexan Lattice Pattern, Add	*199.94*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*206.75*	
		For Staggered Brick Pattern, Add	*279.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,257.46	240.53
		For Lexan Lattice Pattern, Add	*235.62*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*310.12*	
		For Staggered Brick Pattern, Add	*379.02*	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,728.38	300.66
		For Lexan Lattice Pattern, Add	*280.28*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*413.49*	
		For Staggered Brick Pattern, Add	*478.17*	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,071.38	300.66
		For Lexan Lattice Pattern, Add	*331.73*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*436.11*	
		For Staggered Brick Pattern, Add	*676.48*	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,294.16	481.06
		For Lexan Lattice Pattern, Add	*437.63*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*826.98*	
		For Staggered Brick Pattern, Add	*954.00*	
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,338.15	601.32
		For Lexan Lattice Pattern, Add	*543.53*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,033.73*	
		For Staggered Brick Pattern, Add	*1,231.50*	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,694.19	721.57
		For Lexan Lattice Pattern, Add	*695.13*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,240.47*	
		For Staggered Brick Pattern, Add	*1,385.28*	
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,161.54	881.93
		For Lexan Lattice Pattern, Add	*847.47*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,436.75*	
		For Staggered Brick Pattern, Add	*1,510.83*	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,192.01	240.53
		For Lexan Lattice Pattern, Add	*225.80*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*258.43*	
		For Staggered Brick Pattern, Add	*332.48*	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,507.22	240.53
		For Lexan Lattice Pattern, Add	*273.08*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*387.63*	
		For Staggered Brick Pattern, Add	*472.14*	
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,004.39	300.66
		For Lexan Lattice Pattern, Add	*322.06*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*516.87*	
		For Staggered Brick Pattern, Add	*611.80*	
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,433.96	300.66
		For Lexan Lattice Pattern, Add	*386.50*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*775.30*	
		For Staggered Brick Pattern, Add	*891.12*	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,771.59	481.06
		For Lexan Lattice Pattern, Add	*509.24*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,033.73*	
		For Staggered Brick Pattern, Add	*1,228.74*	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,927.84	601.32
		For Lexan Lattice Pattern, Add	*631.98*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,292.15*	
		For Staggered Brick Pattern, Add	*1,566.34*	
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,406.66	721.57
		For Lexan Lattice Pattern, Add	*802.00*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,550.78*	
		For Staggered Brick Pattern, Add	*1,813.94*	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,261.67	881.93
		For Lexan Lattice Pattern, Add	*1,012.49*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,815.74*	
		For Staggered Brick Pattern, Add	*2,032.03*	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,389.42	240.53
		For Lexan Lattice Pattern, Add	*255.41*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*310.12*	
		For Staggered Brick Pattern, Add	*384.34*	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,446.57	240.53
		For Lexan Lattice Pattern, Add	*263.99*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*465.17*	
		For Staggered Brick Pattern, Add	*563.70*	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,987.88	300.66
		For Lexan Lattice Pattern, Add	*319.20*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*620.22*	
		For Staggered Brick Pattern, Add	*743.07*	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,846.86	300.66
		For Lexan Lattice Pattern, Add	*448.05*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*930.32*	
		For Staggered Brick Pattern, Add	*1,101.81*	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,446.48	481.06
		For Lexan Lattice Pattern, Add	*610.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,240.46*	
		For Staggered Brick Pattern, Add	*1,531.84*	
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,867.31	601.32
		For Lexan Lattice Pattern, Add	*772.91*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,550.58*	
		For Staggered Brick Pattern, Add	*1,961.85*	
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,319.66	721.57
		For Lexan Lattice Pattern, Add	*938.95*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,860.71*	
		For Staggered Brick Pattern, Add	*2,074.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,348.61	881.93
		For Lexan Lattice Pattern, Add	*1,175.53*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,156.28*	
		For Staggered Brick Pattern, Add	*2,260.07*	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,742.51	240.53
		For Lexan Lattice Pattern, Add	*308.38*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*361.67*	
		For Staggered Brick Pattern, Add	*710.87*	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,128.01	240.53
		For Lexan Lattice Pattern, Add	*366.20*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*542.61*	
		For Staggered Brick Pattern, Add	*872.86*	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,688.39	300.66
		For Lexan Lattice Pattern, Add	*424.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*723.54*	
		For Staggered Brick Pattern, Add	*1,016.38*	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,498.20	300.66
		For Lexan Lattice Pattern, Add	*546.13*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,085.41*	
		For Staggered Brick Pattern, Add	*1,288.84*	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,119.85	481.06
		For Lexan Lattice Pattern, Add	*711.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,447.22*	
		For Staggered Brick Pattern, Add	*1,724.23*	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,560.15	601.32
		For Lexan Lattice Pattern, Add	*876.83*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,809.01*	
		For Staggered Brick Pattern, Add	*2,159.62*	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,039.00	721.57
		For Lexan Lattice Pattern, Add	*1,046.85*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,170.82*	
		For Staggered Brick Pattern, Add	*2,449.26*	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	11,520.51	881.93
		For Lexan Lattice Pattern, Add	*1,351.31*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,562.68*	
		For Staggered Brick Pattern, Add	*2,798.39*	

08 33 26 00-0034 Coiling Grilles Accessories *(08 33 26)*

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports	107.28	

08 33 36 Side Coiling Grilles *(08 33)*

08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) *(08 33 36)*

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	3,509.43	672.56
		For Lexan Lattice Pattern, Add	*238.15*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*620.24*	
		For Staggered Brick Pattern, Add	*676.48*	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	4,799.58	863.94
		For Lexan Lattice Pattern, Add	*349.67*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*951.38*	
		For Staggered Brick Pattern, Add	*1,083.50*	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	6,174.18	1,089.35
		For Lexan Lattice Pattern, Add	*459.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,240.47*	
		For Staggered Brick Pattern, Add	*1,385.28*	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	7,264.69	1,202.63
		For Lexan Lattice Pattern, Add	*574.08*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,436.75*	
		For Staggered Brick Pattern, Add	*1,510.83*	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	4,174.02	766.82
		For Lexan Lattice Pattern, Add	*297.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*775.30*	
		For Staggered Brick Pattern, Add	*891.12*	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	5,731.19	984.90
		For Lexan Lattice Pattern, Add	*437.35*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,141.81*	
		For Staggered Brick Pattern, Add	*1,353.15*	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	7,305.85	1,241.46
		For Lexan Lattice Pattern, Add	*563.65*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,550.78*	
		For Staggered Brick Pattern, Add	*1,813.94*	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	8,715.90	1,371.00
		For Lexan Lattice Pattern, Add	*717.40*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,815.74*	
		For Staggered Brick Pattern, Add	*2,032.03*	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	4,848.99	863.94
		For Lexan Lattice Pattern, Add	*357.08*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*930.32*	
		For Staggered Brick Pattern, Add	*1,101.81*	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	6,674.79	1,109.63
		For Lexan Lattice Pattern, Add	*523.98*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,373.63*	
		For Staggered Brick Pattern, Add	*1,679.97*	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	8,569.64	1,399.06
		For Lexan Lattice Pattern, Add	*688.90*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,860.71*	
		For Staggered Brick Pattern, Add	*2,074.39*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0013		EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	10,152.87	1,543.38
			For Lexan Lattice Pattern, Add	*861.13*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,156.28*	
			For Staggered Brick Pattern, Add	*2,260.07*	
08 33 36 00-0014		EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	5,510.50	955.23
			For Lexan Lattice Pattern, Add	*417.52*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,085.41*	
			For Staggered Brick Pattern, Add	*1,288.84*	
08 33 36 00-0015		EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	7,612.81	1,226.69
			For Lexan Lattice Pattern, Add	*611.66*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,569.90*	
			For Staggered Brick Pattern, Add	*1,866.57*	
08 33 36 00-0016		EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	9,763.37	1,546.58
			For Lexan Lattice Pattern, Add	*803.72*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,170.82*	
			For Staggered Brick Pattern, Add	*2,449.26*	
08 33 36 00-0017		EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	11,572.20	1,707.73
			For Lexan Lattice Pattern, Add	*1,004.13*	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,562.68*	
			For Staggered Brick Pattern, Add	*2,798.39*	

08 33 43 Overhead Coiling Smoke Curtains *(08 33)*

08 33 43 00-0001 Elevator Smoke Guard *(08 33 43)*

08 33 43 00-0002		EA	Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400)	15,620.88	672.56
08 33 43 00-0003		EA	Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400)	16,200.80	672.56
08 33 43 00-0004		EA	Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400)	16,780.73	672.56

08 34 Special Function Doors *(08 30)*

08 34 13 Cold Storage Doors *(08 34)*

08 34 13 00-0001 Vertical Sliding Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0002		EA	7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	7,416.86	1,022.16
			For Adjusting Height Of Door To Fit Opening <7' Height, Add	*510.09*	
08 34 13 00-0003		EA	7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	9,511.95	1,297.66
			For Adjusting Height Of Door To Fit Opening <7' Height, Add	*648.83*	

08 34 13 00-0004 Horizontal Sliding Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0005		EA	6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,956.79	816.36
08 34 13 00-0006		EA	7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,714.12	920.55
08 34 13 00-0007		EA	7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	8,683.55	1,213.17
08 34 13 00-0008		EA	5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,200.20	741.73

08 34 13 00-0009 Swinging Horizontal Hinged Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0010		EA	3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	3,000.45	482.47

08 34 16 Hangar Doors *(08 34)*

08 34 16 00-0001 Bi-Parting Horizontal Rolling And Sliding Steel Hanger Door *(08 34 16)*

Note: Includes electrical motorized drive system, fail-safe safety edge, LED warning device, push button control device, hot rolled or cold formed structural steel frame with overhead track and ground rails, bottom rollers, and special hardware. The operator power supplied through a drape wire system where the cable is draped from leaf to leaf.

08 34 16 00-0002		SF	70' To 120' Wide X To 20' High, 25' Panels, Sliding Hangar Door Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.	82.03	19.14
			For Unidirectional Door Type, Add	*8.20*	
			For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*15.99*	
			For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*10.63*	
			For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.51*	
08 34 16 00-0003		SF	120' To 180' Wide X To 20' High, 25' Panels, Sliding Hangar Door Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.	71.03	19.14
			For Unidirectional Door Type, Add	*7.10*	
			For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*15.99*	
			For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*10.63*	
			For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.51*	
08 34 16 00-0004		SF	120' To 180' Wide X 20-40' High, 25' Panels, Sliding Hangar Door Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.	71.31	4.10
			For Unidirectional Door Type, Add	*7.13*	
			For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*15.99*	
			For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*10.63*	
			For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.51*	
08 34 16 00-0005		SF	120' To 180' Wide X 40-60' High, 25' Panels, Sliding Hangar Door Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.	76.37	2.74
			For Unidirectional Door Type, Add	*7.64*	
			For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*15.99*	
			For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*10.63*	
			For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 16 00-0006	SF	120' To 180' Wide X 60-80' High, 25' Panels, Sliding Hangar Door Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.	81.12	2.74
		For Unidirectional Door Type, Add	*8.11*	
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*15.99*	
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*10.63*	
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.51*	
08 34 16 00-0007	SF	150' To 200' Wide x >80' High, 25' Panels, Sliding Hangar Door Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.	81.95	2.74
		For Unidirectional Door Type, Add	*8.20*	
		For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing	*15.99*	
		For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing	*10.63*	
		For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	*27.51*	

08 34 23 Sidewalk and Basement Doors *(08 34)*

08 34 23 00-0001 Drainage Doors *(08 34 23)*

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,293.02	241.59
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,575.27	252.44
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,669.41	257.86
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,834.01	263.29
08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,128.11	276.86
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,165.57	270.48
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,401.88	276.86
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,505.27	283.24
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,741.62	289.61
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,172.79	305.88

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,556.68	270.48
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,686.86	289.61
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,392.76	322.17
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,486.63	322.17

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,020.48	241.59
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,349.66	252.44
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,553.35	257.86
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,882.22	263.29
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,324.95	276.86

08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD H2O Series.

08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,323.24	270.48
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,423.37	289.61
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,263.47	322.17
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,903.66	322.17

08 34 23 00-0029 Single Leaf Steel Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,979.73	241.59
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,079.90	252.44
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,315.65	257.86
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,563.44	263.29
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,979.16	276.86
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,837.90	270.48
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,230.78	276.86
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,216.34	283.24
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,585.30	289.61
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,825.39	305.88

08 34 23 00-0040 Double Leaf Steel Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD Series.

08 34 23 00-0041	EA	4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,484.91	270.48
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,657.19	289.61
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,556.74	322.17
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,688.53	322.17

08 34 23 00-0045 Single Leaf Steel H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J H2O Series.

08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,369.61	241.59
08 34 23 00-0047	EA	2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,565.64	252.44
08 34 23 00-0048	EA	3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,693.59	257.86
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,348.77	263.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0050	EA	3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,123.96	276.86
08 34 23 00-0051		**Double Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA	4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,641.62	270.48
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,305.16	289.61
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,361.42	322.17
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,121.78	322.17
08 34 23 00-0056		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0001)*		
		Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,135.92	241.59
08 34 23 00-0058	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,762.17	252.44
08 34 23 00-0059	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,001.78	257.86
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,245.90	263.29
08 34 23 00-0061	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,827.21	276.86
08 34 23 00-0062		**Non-Drainage Doors** *(08 34 23)*		
08 34 23 00-0063		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,246.20	241.59
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,497.05	252.44
08 34 23 00-0066	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,599.11	257.86
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,661.97	263.29
08 34 23 00-0068	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,073.36	276.86
08 34 23 00-0069	EA	2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,876.19	270.48
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,089.00	276.86
08 34 23 00-0071	EA	2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,333.02	283.24
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,467.96	289.61
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,797.70	305.88
08 34 23 00-0074		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - K Series.		
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,035.00	241.59
08 34 23 00-0076	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,231.10	252.44
08 34 23 00-0077	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,356.62	257.86
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,442.95	263.29
08 34 23 00-0079	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,666.61	276.86
08 34 23 00-0080		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0081	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,361.16	270.48
08 34 23 00-0082		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - KD Series.		
08 34 23 00-0083	EA	4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,272.40	289.61
08 34 23 00-0084	EA	4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,166.06	322.17
08 34 23 00-0085	EA	5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,228.64	322.17
08 34 23 00-0086		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - T Series.		
08 34 23 00-0087	EA	2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,128.87	241.59
08 34 23 00-0088	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,309.32	252.44
08 34 23 00-0089	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,395.73	257.86
08 34 23 00-0090	EA	3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,521.17	263.29
08 34 23 00-0091	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,768.29	276.86
08 34 23 00-0092		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - TD Series.		
08 34 23 00-0093	EA	4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	2,405.38	289.61
08 34 23 00-0094	EA	4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,330.32	322.17
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,377.26	322.17
08 34 23 00-0096		**Single Leaf Steel Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,356.79	241.59
08 34 23 00-0098	EA	2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,516.76	252.44
08 34 23 00-0099	EA	3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,704.67	257.86
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,808.64	263.29
08 34 23 00-0101		**Double Leaf Steel Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0102	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,730.06	270.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0103		**Basement Doors** *(08 34 23)*		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0104	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	1,867.16	305.21
08 34 23 00-0105	EA	30" High x 47" Wide x 58" Long, Basement Door	1,552.90	231.28
08 34 23 00-0106	EA	22" High x 51" Wide x 64" Long, Basement Door	1,615.81	254.34
08 34 23 00-0107	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door	1,726.45	271.30
08 34 23 00-0108	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door	1,911.66	305.21
08 34 49		**Radiation Shielding Doors and Frames** *(08 34)*		
08 34 49 13		**Neutron Shielding Doors and Frames** *(08 34 49)*		
08 34 49 13-0001		**Lead Lined Doors And Frames** *(08 34 49 13)*		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	137.82	13.57
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	169.00	13.57
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	149.38	13.57
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	159.77	13.57
08 34 53		**Security Doors and Frames** *(08 34)*		
08 34 53 00-0001		**Metal Security Doors, Bullet Resistant** *(08 34 53)*		
		Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002	SF	Metal Security Door	80.88	9.40
08 34 53 00-0003	EA	Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	3,314.43	469.02
08 34 53 00-0004	EA	Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door	3,931.72	497.89
08 34 53 00-0005		**Metal Security Doors** *(08 34 53)*		
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O) Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.	1,130.31	85.90
08 34 53 00-0007	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O) Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.	1,130.31	85.90
08 34 53 00-0008	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O) Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.	1,609.58	85.90
08 34 56		**Security Gates** *(08 34)*		
08 34 56 00-0001		**Pivoting Double Folding Gate** *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,307.26	258.23
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,467.66	290.51
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,580.15	322.79
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,740.53	355.06
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,481.27	261.46
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,594.03	293.74
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,747.89	326.02
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,867.55	358.29
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,559.59	264.68
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,671.99	296.96
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,764.28	313.10
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,856.92	329.25
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,981.41	361.52
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,709.95	267.91
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,821.98	300.19
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,926.17	316.33
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	2,055.42	332.47
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	2,239.16	364.74
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,938.72	274.36
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	2,081.02	309.87
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	2,239.50	329.25
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	2,332.13	338.93
08 34 56 00-0024		**Pivoting Single Folding Gate** *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	888.73	180.76
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	949.56	187.21
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,010.40	193.67
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,084.18	206.59
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,133.95	219.49
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	949.37	187.21
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,010.49	193.67
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,071.33	200.13
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,145.02	213.04
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,195.11	225.95
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	1,034.16	193.67
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,095.29	200.13
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,156.04	206.59
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,229.96	219.49
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,304.00	232.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0040		**Window Gates, Expands From 2' To 4'** *(08 34 56)* Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening	360.78	71.02
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening	373.70	77.47
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening	373.70	77.47
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening	387.55	83.92
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening	387.55	83.92
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening	400.46	90.38
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening	400.47	90.38
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening	413.36	96.83
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening	413.36	96.83
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening	426.29	103.29
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening	426.29	103.29
08 34 56 00-0052		**Pivoting Door Gate, Expands From 2' To 4'** *(08 34 56)* Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	439.20	109.75
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	442.12	109.75
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	458.90	116.21
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	475.71	122.66
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	479.59	122.66
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	496.38	129.11
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	500.26	129.11
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	515.85	135.57
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	520.93	135.57

08 34 73 Sound Control Door Assemblies *(08 34)*

08 34 73 13 Metal Sound Control Door Assemblies *(08 34 73)*

08 34 73 13-0001		**Steel Acoustical Door Assembly** *(08 34 73 13)* Note: Includes seal.		
08 34 73 13-0002		**Steel Acoustical Doors** *(08 34 73 13-0001)* Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc. See CSI section 08 71 11 00-2103 for exit devices (panic bar).		
08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated) Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	4,472.44	244.16
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*532.94*	
		For 45 Minutes Fire Rated, Add	*224.40*	
		For 60 Minutes Fire Rated, Add	*336.60*	
		For 90 Minutes Fire Rated, Add	*560.99*	
		For 120 Minutes Fire Rated, Add	*785.39*	
		For 45 STC Rating, Deduct	*-938.73*	
		For 48 STC Rating, Deduct	*-673.19*	
		For 52 STC Rating, Add	*523.59*	
		For 55 STC Rating, Add	*1,421.18*	
08 34 73 13-0004	EA	3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated) Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	4,728.87	254.34
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*565.14*	
		For 45 Minutes Fire Rated, Add	*237.95*	
		For 60 Minutes Fire Rated, Add	*356.93*	
		For 90 Minutes Fire Rated, Add	*594.88*	
		For 120 Minutes Fire Rated, Add	*832.83*	
		For 45 STC Rating, Deduct	*-995.43*	
		For 48 STC Rating, Deduct	*-713.85*	
		For 52 STC Rating, Add	*555.22*	
		For 55 STC Rating, Add	*1,507.03*	
08 34 73 13-0005	EA	4' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated) Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	5,015.82	274.69
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*597.33*	
		For 45 Minutes Fire Rated, Add	*251.51*	
		For 60 Minutes Fire Rated, Add	*377.26*	
		For 90 Minutes Fire Rated, Add	*628.76*	
		For 120 Minutes Fire Rated, Add	*880.27*	
		For 45 STC Rating, Deduct	*-1,052.13*	
		For 48 STC Rating, Deduct	*-754.52*	
		For 52 STC Rating, Add	*586.85*	
		For 55 STC Rating, Add	*1,592.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0006	PR	Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors (Unrated)	8,871.65	463.91
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,065.89*	
		For 45 Minutes Fire Rated, Add	*448.79*	
		For 60 Minutes Fire Rated, Add	*673.19*	
		For 90 Minutes Fire Rated, Add	*1,121.99*	
		For 120 Minutes Fire Rated, Add	*1,570.78*	
		For 45 STC Rating, Deduct	*-1,877.46*	
		For 48 STC Rating, Deduct	*-1,346.38*	
		For 52 STC Rating, Add	*1,047.19*	
		For 55 STC Rating, Add	*2,842.37*	
08 34 73 13-0007	PR	Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	9,335.66	467.98
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,130.27*	
		For 45 Minutes Fire Rated, Add	*475.90*	
		For 60 Minutes Fire Rated, Add	*713.85*	
		For 90 Minutes Fire Rated, Add	*1,189.76*	
		For 120 Minutes Fire Rated, Add	*1,665.66*	
		For 45 STC Rating, Deduct	*-1,990.86*	
		For 48 STC Rating, Deduct	*-1,427.71*	
		For 52 STC Rating, Add	*1,110.44*	
		For 55 STC Rating, Add	*3,014.05*	
08 34 73 13-0008	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,013.97	153.28
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*604.89*	
		For 45 Minutes Fire Rated, Add	*254.69*	
		For 60 Minutes Fire Rated, Add	*382.04*	
		For 90 Minutes Fire Rated, Add	*636.73*	
		For 120 Minutes Fire Rated, Add	*891.42*	
		For 45 STC Rating, Deduct	*-1,065.46*	
		For 48 STC Rating, Deduct	*-764.07*	
		For 52 STC Rating, Add	*594.28*	
		For 55 STC Rating, Add	*1,613.04*	
08 34 73 13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,301.57	267.22
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*641.43*	
		For 45 Minutes Fire Rated, Add	*270.08*	
		For 60 Minutes Fire Rated, Add	*405.11*	
		For 90 Minutes Fire Rated, Add	*675.19*	
		For 120 Minutes Fire Rated, Add	*945.26*	
		For 45 STC Rating, Deduct	*-1,129.81*	
		For 48 STC Rating, Deduct	*-810.23*	
		For 52 STC Rating, Add	*630.18*	
		For 55 STC Rating, Add	*1,710.48*	
08 34 73 13-0010	EA	4' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,623.08	288.93
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*677.97*	
		For 45 Minutes Fire Rated, Add	*285.46*	
		For 60 Minutes Fire Rated, Add	*428.19*	
		For 90 Minutes Fire Rated, Add	*713.65*	
		For 120 Minutes Fire Rated, Add	*999.11*	
		For 45 STC Rating, Deduct	*-1,194.17*	
		For 48 STC Rating, Deduct	*-856.38*	
		For 52 STC Rating, Add	*666.07*	
		For 55 STC Rating, Add	*1,807.91*	
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)	9,445.72	486.97
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,137.83*	
		For 45 Minutes Fire Rated, Add	*479.09*	
		For 60 Minutes Fire Rated, Add	*718.63*	
		For 90 Minutes Fire Rated, Add	*1,197.72*	
		For 120 Minutes Fire Rated, Add	*1,676.81*	
		For 45 STC Rating, Deduct	*-2,004.18*	
		For 48 STC Rating, Deduct	*-1,437.26*	
		For 52 STC Rating, Add	*1,117.87*	
		For 55 STC Rating, Add	*3,034.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0012	PR	Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated) Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	9,941.59	491.04
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,206.56*	
		For 45 Minutes Fire Rated, Add	*508.03*	
		For 60 Minutes Fire Rated, Add	*762.04*	
		For 90 Minutes Fire Rated, Add	*1,270.07*	
		For 120 Minutes Fire Rated, Add	*1,778.09*	
		For 45 STC Rating, Deduct	*-2,125.24*	
		For 48 STC Rating, Deduct	*-1,524.08*	
		For 52 STC Rating, Add	*1,185.39*	
		For 55 STC Rating, Add	*3,217.50*	

08 34 73 13-0013 Steel Acoustical Door Frames *(08 34 73 13-0001)*

Note: Includes threshold and rating up to STC 55.

08 34 73 13-0014	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,180.44	135.65
		For 8' Height, Add	*303.35*	
		For 45 Minutes Fire Rated, Add	*184.65*	
		For 60 Minutes Fire Rated, Add	*316.54*	
		For 90 Minutes Fire Rated, Add	*448.43*	
		For 120 Minutes Fire Rated, Add	*633.08*	
08 34 73 13-0015	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,255.17	135.65
		For 8' Height, Add	*311.95*	
		For 45 Minutes Fire Rated, Add	*189.88*	
		For 60 Minutes Fire Rated, Add	*325.51*	
		For 90 Minutes Fire Rated, Add	*461.14*	
		For 120 Minutes Fire Rated, Add	*651.02*	
08 34 73 13-0016	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,329.89	135.65
		For 8' Height, Add	*320.54*	
		For 45 Minutes Fire Rated, Add	*195.11*	
		For 60 Minutes Fire Rated, Add	*334.48*	
		For 90 Minutes Fire Rated, Add	*473.84*	
		For 120 Minutes Fire Rated, Add	*668.95*	
08 34 73 13-0017	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,404.61	135.65
		For 8' Height, Add	*329.13*	
		For 45 Minutes Fire Rated, Add	*200.34*	
		For 60 Minutes Fire Rated, Add	*343.44*	
		For 90 Minutes Fire Rated, Add	*486.54*	
		For 120 Minutes Fire Rated, Add	*686.88*	
08 34 73 13-0018	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,623.95	149.22
		For 8' Height, Add	*348.12*	
		For 45 Minutes Fire Rated, Add	*211.90*	
		For 60 Minutes Fire Rated, Add	*363.25*	
		For 90 Minutes Fire Rated, Add	*514.61*	
		For 120 Minutes Fire Rated, Add	*726.50*	
08 34 73 13-0019	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,707.36	149.22
		For 8' Height, Add	*357.71*	
		For 45 Minutes Fire Rated, Add	*217.74*	
		For 60 Minutes Fire Rated, Add	*373.26*	
		For 90 Minutes Fire Rated, Add	*528.79*	
		For 120 Minutes Fire Rated, Add	*746.52*	
08 34 73 13-0020	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,782.09	149.22
		For 8' Height, Add	*366.30*	
		For 45 Minutes Fire Rated, Add	*222.97*	
		For 60 Minutes Fire Rated, Add	*382.23*	
		For 90 Minutes Fire Rated, Add	*541.49*	
		For 120 Minutes Fire Rated, Add	*764.46*	
08 34 73 13-0021	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,874.76	149.22
		For 8' Height, Add	*376.96*	
		For 45 Minutes Fire Rated, Add	*229.45*	
		For 60 Minutes Fire Rated, Add	*393.35*	
		For 90 Minutes Fire Rated, Add	*557.24*	
		For 120 Minutes Fire Rated, Add	*786.70*	
08 34 73 13-0022	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,059.45	155.99
		For 8' Height, Add	*395.08*	
		For 45 Minutes Fire Rated, Add	*240.48*	
		For 60 Minutes Fire Rated, Add	*412.26*	
		For 90 Minutes Fire Rated, Add	*584.03*	
		For 120 Minutes Fire Rated, Add	*824.51*	
08 34 73 13-0023	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,134.17	155.99
		For 8' Height, Add	*403.67*	
		For 45 Minutes Fire Rated, Add	*245.71*	
		For 60 Minutes Fire Rated, Add	*421.22*	
		For 90 Minutes Fire Rated, Add	*596.73*	
		For 120 Minutes Fire Rated, Add	*842.45*	
08 34 73 13-0024	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,208.89	155.99
		For 8' Height, Add	*412.26*	
		For 45 Minutes Fire Rated, Add	*250.94*	
		For 60 Minutes Fire Rated, Add	*430.19*	
		For 90 Minutes Fire Rated, Add	*609.43*	
		For 120 Minutes Fire Rated, Add	*860.38*	
08 34 73 13-0025	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,292.30	155.99
		For 8' Height, Add	*421.86*	
		For 45 Minutes Fire Rated, Add	*256.78*	
		For 60 Minutes Fire Rated, Add	*440.20*	
		For 90 Minutes Fire Rated, Add	*623.61*	
		For 120 Minutes Fire Rated, Add	*880.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0026	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,957.68	176.34
		For 8' Height, Add	*719.02*	
		For 45 Minutes Fire Rated, Add	*437.66*	
		For 60 Minutes Fire Rated, Add	*750.28*	
		For 90 Minutes Fire Rated, Add	*1,062.89*	
		For 120 Minutes Fire Rated, Add	*1,500.55*	
08 34 73 13-0027	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,028.92	176.34
		For 8' Height, Add	*727.21*	
		For 45 Minutes Fire Rated, Add	*442.65*	
		For 60 Minutes Fire Rated, Add	*758.83*	
		For 90 Minutes Fire Rated, Add	*1,075.00*	
		For 120 Minutes Fire Rated, Add	*1,517.65*	
08 34 73 13-0028	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,105.38	176.34
		For 8' Height, Add	*736.00*	
		For 45 Minutes Fire Rated, Add	*448.00*	
		For 60 Minutes Fire Rated, Add	*768.00*	
		For 90 Minutes Fire Rated, Add	*1,088.00*	
		For 120 Minutes Fire Rated, Add	*1,536.00*	
08 34 73 13-0029	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,183.58	176.34
		For 8' Height, Add	*744.99*	
		For 45 Minutes Fire Rated, Add	*453.47*	
		For 60 Minutes Fire Rated, Add	*777.39*	
		For 90 Minutes Fire Rated, Add	*1,101.30*	
		For 120 Minutes Fire Rated, Add	*1,554.77*	
08 34 73 13-0030	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,453.72	183.13
		For 8' Height, Add	*772.94*	
		For 45 Minutes Fire Rated, Add	*470.49*	
		For 60 Minutes Fire Rated, Add	*806.55*	
		For 90 Minutes Fire Rated, Add	*1,142.61*	
		For 120 Minutes Fire Rated, Add	*1,613.10*	
08 34 73 13-0031	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,530.31	183.13
		For 8' Height, Add	*781.75*	
		For 45 Minutes Fire Rated, Add	*475.85*	
		For 60 Minutes Fire Rated, Add	*815.74*	
		For 90 Minutes Fire Rated, Add	*1,155.63*	
		For 120 Minutes Fire Rated, Add	*1,631.48*	
08 34 73 13-0032	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,612.50	183.13
		For 8' Height, Add	*791.20*	
		For 45 Minutes Fire Rated, Add	*481.60*	
		For 60 Minutes Fire Rated, Add	*825.60*	
		For 90 Minutes Fire Rated, Add	*1,169.60*	
		For 120 Minutes Fire Rated, Add	*1,651.20*	
08 34 73 13-0033	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,696.57	183.13
		For 8' Height, Add	*800.87*	
		For 45 Minutes Fire Rated, Add	*487.49*	
		For 60 Minutes Fire Rated, Add	*835.69*	
		For 90 Minutes Fire Rated, Add	*1,183.89*	
		For 120 Minutes Fire Rated, Add	*1,671.38*	
08 34 73 13-0034	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,473.54	135.65
		For 8' Height, Add	*337.06*	
		For 45 Minutes Fire Rated, Add	*205.17*	
		For 60 Minutes Fire Rated, Add	*351.71*	
		For 90 Minutes Fire Rated, Add	*498.26*	
		For 120 Minutes Fire Rated, Add	*703.43*	
08 34 73 13-0035	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,556.56	135.65
		For 8' Height, Add	*346.61*	
		For 45 Minutes Fire Rated, Add	*210.98*	
		For 60 Minutes Fire Rated, Add	*361.68*	
		For 90 Minutes Fire Rated, Add	*512.37*	
		For 120 Minutes Fire Rated, Add	*723.35*	
08 34 73 13-0036	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,639.59	135.65
		For 8' Height, Add	*356.16*	
		For 45 Minutes Fire Rated, Add	*216.79*	
		For 60 Minutes Fire Rated, Add	*371.64*	
		For 90 Minutes Fire Rated, Add	*526.49*	
		For 120 Minutes Fire Rated, Add	*743.28*	
08 34 73 13-0037	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,722.61	135.65
		For 8' Height, Add	*365.70*	
		For 45 Minutes Fire Rated, Add	*222.60*	
		For 60 Minutes Fire Rated, Add	*381.60*	
		For 90 Minutes Fire Rated, Add	*540.60*	
		For 120 Minutes Fire Rated, Add	*763.20*	
08 34 73 13-0038	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,960.30	149.22
		For 8' Height, Add	*386.80*	
		For 45 Minutes Fire Rated, Add	*235.44*	
		For 60 Minutes Fire Rated, Add	*403.61*	
		For 90 Minutes Fire Rated, Add	*571.79*	
		For 120 Minutes Fire Rated, Add	*807.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0039	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,052.98	149.22
		For 8' Height, Add	*397.45*	
		For 45 Minutes Fire Rated, Add	*241.93*	
		For 60 Minutes Fire Rated, Add	*414.74*	
		For 90 Minutes Fire Rated, Add	*587.54*	
		For 120 Minutes Fire Rated, Add	*829.47*	
08 34 73 13-0040	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,136.00	149.22
		For 8' Height, Add	*407.00*	
		For 45 Minutes Fire Rated, Add	*247.74*	
		For 60 Minutes Fire Rated, Add	*424.70*	
		For 90 Minutes Fire Rated, Add	*601.66*	
		For 120 Minutes Fire Rated, Add	*849.40*	
08 34 73 13-0041	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,238.98	149.22
		For 8' Height, Add	*418.84*	
		For 45 Minutes Fire Rated, Add	*254.95*	
		For 60 Minutes Fire Rated, Add	*437.06*	
		For 90 Minutes Fire Rated, Add	*619.16*	
		For 120 Minutes Fire Rated, Add	*874.11*	
08 34 73 13-0042	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,441.17	155.99
		For 8' Height, Add	*438.98*	
		For 45 Minutes Fire Rated, Add	*267.20*	
		For 60 Minutes Fire Rated, Add	*458.06*	
		For 90 Minutes Fire Rated, Add	*648.92*	
		For 120 Minutes Fire Rated, Add	*916.13*	
08 34 73 13-0043	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,524.19	155.99
		For 8' Height, Add	*448.52*	
		For 45 Minutes Fire Rated, Add	*273.01*	
		For 60 Minutes Fire Rated, Add	*468.03*	
		For 90 Minutes Fire Rated, Add	*663.04*	
		For 120 Minutes Fire Rated, Add	*936.05*	
08 34 73 13-0044	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,607.21	155.99
		For 8' Height, Add	*458.07*	
		For 45 Minutes Fire Rated, Add	*278.83*	
		For 60 Minutes Fire Rated, Add	*477.99*	
		For 90 Minutes Fire Rated, Add	*677.15*	
		For 120 Minutes Fire Rated, Add	*955.98*	
08 34 73 13-0045	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,699.89	155.99
		For 8' Height, Add	*468.73*	
		For 45 Minutes Fire Rated, Add	*285.31*	
		For 60 Minutes Fire Rated, Add	*489.11*	
		For 90 Minutes Fire Rated, Add	*692.90*	
		For 120 Minutes Fire Rated, Add	*978.22*	
08 34 73 13-0046	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,652.38	176.34
		For 8' Height, Add	*798.91*	
		For 45 Minutes Fire Rated, Add	*486.29*	
		For 60 Minutes Fire Rated, Add	*833.64*	
		For 90 Minutes Fire Rated, Add	*1,180.99*	
		For 120 Minutes Fire Rated, Add	*1,667.28*	
08 34 73 13-0047	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,731.54	176.34
		For 8' Height, Add	*808.01*	
		For 45 Minutes Fire Rated, Add	*491.83*	
		For 60 Minutes Fire Rated, Add	*843.14*	
		For 90 Minutes Fire Rated, Add	*1,194.45*	
		For 120 Minutes Fire Rated, Add	*1,686.28*	
08 34 73 13-0048	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,816.50	176.34
		For 8' Height, Add	*817.78*	
		For 45 Minutes Fire Rated, Add	*497.78*	
		For 60 Minutes Fire Rated, Add	*853.34*	
		For 90 Minutes Fire Rated, Add	*1,208.89*	
		For 120 Minutes Fire Rated, Add	*1,706.67*	
08 34 73 13-0049	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,903.38	176.34
		For 8' Height, Add	*827.77*	
		For 45 Minutes Fire Rated, Add	*503.86*	
		For 60 Minutes Fire Rated, Add	*863.76*	
		For 90 Minutes Fire Rated, Add	*1,223.66*	
		For 120 Minutes Fire Rated, Add	*1,727.52*	
08 34 73 13-0050	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,200.52	183.13
		For 8' Height, Add	*858.82*	
		For 45 Minutes Fire Rated, Add	*522.76*	
		For 60 Minutes Fire Rated, Add	*896.16*	
		For 90 Minutes Fire Rated, Add	*1,269.57*	
		For 120 Minutes Fire Rated, Add	*1,792.33*	
08 34 73 13-0051	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,285.62	183.13
		For 8' Height, Add	*868.61*	
		For 45 Minutes Fire Rated, Add	*528.72*	
		For 60 Minutes Fire Rated, Add	*906.38*	
		For 90 Minutes Fire Rated, Add	*1,284.03*	
		For 120 Minutes Fire Rated, Add	*1,812.75*	
08 34 73 13-0052	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,376.95	183.13
		For 8' Height, Add	*879.11*	
		For 45 Minutes Fire Rated, Add	*535.11*	
		For 60 Minutes Fire Rated, Add	*917.34*	
		For 90 Minutes Fire Rated, Add	*1,299.56*	
		For 120 Minutes Fire Rated, Add	*1,834.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0053	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,470.35	183.13
		For 8' Height, Add	*889.85*	
		For 45 Minutes Fire Rated, Add	*541.65*	
		For 60 Minutes Fire Rated, Add	*928.54*	
		For 90 Minutes Fire Rated, Add	*1,315.44*	
		For 120 Minutes Fire Rated, Add	*1,857.09*	

08 34 73 16 Wood Sound Control Door Assemblies *(08 34 73)*

08 34 73 16-0001 Wood Acoustical Door Assembly *(08 34 73 16)*

Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.

08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System (Unrated)	2,701.03	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System (Unrated)	2,901.87	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0004	EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System (Unrated)	3,013.45	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0005	EA	3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System (Unrated)	3,125.02	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0006	EA	3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System (Unrated)	3,615.95	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0007	EA	3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated)	4,687.07	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0008	EA	3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System (Unrated)	4,894.60	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0009	EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System (Unrated)	5,724.72	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0010	EA	3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated)	6,343.96	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		

08 35 Folding Doors and Grilles *(08 30)*

08 35 13 Folding Doors *(08 35)*

08 35 13 13 Accordion Folding Doors *(08 35 13)*

08 35 13 13-0001 Accordion Folding Doors *(08 35 13 13)*

Note: Includes track, fittings and hardware, complete.

08 35 13 13-0002	SF	Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door	101.17	13.57
		For Fire Retardant, Add	*22.24*	
08 35 13 13-0003	SF	1/32" Thick, Single Ply Vinyl, Accordion Folding Door	22.54	13.57
		For Fire Retardant, Add	*2.58*	
08 35 13 13-0004	SF	0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door	47.16	13.57
		For Fire Retardant, Add	*8.74*	
08 35 13 13-0005	SF	3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High-Density Engineered Wood Core Panel, Accordion Folding Door	65.74	13.57
		For Fire Retardant, Add	*13.38*	

08 36 Panel Doors *(08 30)*

08 36 13 Sectional Doors *(08 36)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0997 for forklift.

08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0002 Wood Sectional Overhead Doors *(08 36 13 00-0001)*

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	3,065.69	542.59

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	3,773.45	602.27
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	4,789.06	721.64
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	6,790.32	835.59
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	7,400.48	1,085.18
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	7,223.06	1,356.48
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	12,825.44	1,808.18
08 36 13 00-0010		**Residential Grade, Wood Sectional Overhead Doors** *(08 36 13 00-0001)*		
		Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,577.81	271.30
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*503.45*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	2,424.63	271.30
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*543.77*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0013		**Sectional Metal Overhead Doors (Width x Height)** *(08 36 13)*		
		Note: Includes tracks and all hardware.		
08 36 13 00-0014		**Galvanized Steel Sectional Overhead Doors** *(08 36 13 00-0013)*		
08 36 13 00-0015		**Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors** *(08 36 13 00-0014)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA	8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,092.07	474.76
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*165.67*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*285.64*	
		For Aluminum, Mill Finish, Add	*130.25*	
		For Aluminum, Anodized Finish, Add	*364.47*	
08 36 13 00-0017	EA	8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,464.49	542.59
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*200.00*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*344.83*	
		For Aluminum, Mill Finish, Add	*157.24*	
		For Aluminum, Anodized Finish, Add	*440.00*	
08 36 13 00-0018	EA	8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,042.88	678.23
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*244.53*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*421.60*	
		For Aluminum, Mill Finish, Add	*192.25*	
		For Aluminum, Anodized Finish, Add	*537.96*	
08 36 13 00-0019	EA	10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,359.04	542.59
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*184.71*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*318.47*	
		For Aluminum, Mill Finish, Add	*145.22*	
		For Aluminum, Anodized Finish, Add	*406.36*	
08 36 13 00-0020	EA	10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,907.83	678.23
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*224.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*387.84*	
		For Aluminum, Mill Finish, Add	*176.85*	
		For Aluminum, Anodized Finish, Add	*494.88*	
08 36 13 00-0021	EA	10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,660.70	881.71
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*275.11*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*474.32*	
		For Aluminum, Mill Finish, Add	*216.29*	
		For Aluminum, Anodized Finish, Add	*605.24*	
08 36 13 00-0022	EA	10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,330.36	1,085.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*313.20*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*540.00*	
		For Aluminum, Mill Finish, Add	*246.24*	
		For Aluminum, Anodized Finish, Add	*689.04*	
08 36 13 00-0023	EA	12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,819.06	678.23
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*212.07*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*365.65*	
		For Aluminum, Mill Finish, Add	*166.73*	
		For Aluminum, Anodized Finish, Add	*466.56*	
08 36 13 00-0024	EA	12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,527.52	881.71
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*255.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*441.03*	
		For Aluminum, Mill Finish, Add	*201.11*	
		For Aluminum, Anodized Finish, Add	*562.75*	
08 36 13 00-0025	EA	12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,306.29	1,085.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*309.71*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*533.98*	
		For Aluminum, Mill Finish, Add	*243.50*	
		For Aluminum, Anodized Finish, Add	*681.36*	
08 36 13 00-0026	EA	12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,081.38	1,288.65
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*363.09*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*626.02*	
		For Aluminum, Mill Finish, Add	*285.47*	
		For Aluminum, Anodized Finish, Add	*798.80*	
08 36 13 00-0027	EA	12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,066.10	1,559.94
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*427.20*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*736.56*	
		For Aluminum, Mill Finish, Add	*335.87*	
		For Aluminum, Anodized Finish, Add	*939.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0028	EA	14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,351.78	881.71
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*230.31*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*397.09*	
		For Aluminum, Mill Finish, Add	*181.07*	
		For Aluminum, Anodized Finish, Add	*506.69*	
08 36 13 00-0029	EA	14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,123.16	1,085.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*283.16*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*488.20*	
		For Aluminum, Mill Finish, Add	*222.62*	
		For Aluminum, Anodized Finish, Add	*622.94*	
08 36 13 00-0030	EA	14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,089.38	1,356.48
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*344.58*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*594.11*	
		For Aluminum, Mill Finish, Add	*270.91*	
		For Aluminum, Anodized Finish, Add	*758.08*	
08 36 13 00-0031	EA	14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,868.16	1,559.94
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*398.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*687.07*	
		For Aluminum, Mill Finish, Add	*313.30*	
		For Aluminum, Anodized Finish, Add	*876.70*	
08 36 13 00-0032	EA	14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,744.98	1,763.41
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*466.63*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*804.54*	
		For Aluminum, Mill Finish, Add	*366.87*	
		For Aluminum, Anodized Finish, Add	*1,026.59*	
08 36 13 00-0033	EA	16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,058.40	1,085.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*273.77*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*472.01*	
		For Aluminum, Mill Finish, Add	*215.24*	
		For Aluminum, Anodized Finish, Add	*602.28*	
08 36 13 00-0034	EA	16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,020.92	1,356.48
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*334.66*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*576.99*	
		For Aluminum, Mill Finish, Add	*263.11*	
		For Aluminum, Anodized Finish, Add	*736.24*	
08 36 13 00-0035	EA	16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,903.28	1,559.94
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*403.59*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*695.85*	
		For Aluminum, Mill Finish, Add	*317.31*	
		For Aluminum, Anodized Finish, Add	*887.90*	
08 36 13 00-0036	EA	16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,022.47	1,763.41
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*506.87*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*873.91*	
		For Aluminum, Mill Finish, Add	*398.50*	
		For Aluminum, Anodized Finish, Add	*1,115.11*	
08 36 13 00-0037	EA	16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,177.40	2,034.71
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*595.65*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,026.99*	
		For Aluminum, Mill Finish, Add	*468.31*	
		For Aluminum, Anodized Finish, Add	*1,310.44*	
08 36 13 00-0038	EA	18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,163.39	1,356.48
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*355.31*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*612.61*	
		For Aluminum, Mill Finish, Add	*279.35*	
		For Aluminum, Anodized Finish, Add	*781.69*	
08 36 13 00-0039	EA	18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,158.60	1,559.94
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*440.61*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*759.68*	
		For Aluminum, Mill Finish, Add	*346.41*	
		For Aluminum, Anodized Finish, Add	*969.35*	
08 36 13 00-0040	EA	18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,429.45	1,763.41
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*565.88*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*975.66*	
		For Aluminum, Mill Finish, Add	*444.90*	
		For Aluminum, Anodized Finish, Add	*1,244.94*	
08 36 13 00-0041	EA	18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,586.24	2,034.71
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*654.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,129.20*	
		For Aluminum, Mill Finish, Add	*514.92*	
		For Aluminum, Anodized Finish, Add	*1,440.86*	
08 36 13 00-0042	EA	18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,857.73	2,306.00
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*760.63*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,311.42*	
		For Aluminum, Mill Finish, Add	*598.01*	
		For Aluminum, Anodized Finish, Add	*1,673.38*	
08 36 13 00-0043	EA	20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,868.16	1,559.94
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*398.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*687.07*	
		For Aluminum, Mill Finish, Add	*313.30*	
		For Aluminum, Anodized Finish, Add	*876.70*	
08 36 13 00-0044	EA	20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,863.38	1,763.41
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*483.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*834.14*	
		For Aluminum, Mill Finish, Add	*380.37*	
		For Aluminum, Anodized Finish, Add	*1,064.36*	
08 36 13 00-0045	EA	20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,443.80	2,034.71
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*634.28*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,093.59*	
		For Aluminum, Mill Finish, Add	*498.68*	
		For Aluminum, Anodized Finish, Add	*1,395.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0046	EA	20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,600.58	2,306.00
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*723.34*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,247.14*	
		For Aluminum, Mill Finish, Add	*568.69*	
		For Aluminum, Anodized Finish, Add	*1,591.34*	
08 36 13 00-0047	EA	20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,804.42	2,577.30
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*964.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,662.45*	
		For Aluminum, Mill Finish, Add	*758.07*	
		For Aluminum, Anodized Finish, Add	*2,121.28*	
08 36 13 00-0048	EA	22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,537.78	1,763.41
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*436.59*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*752.74*	
		For Aluminum, Mill Finish, Add	*343.25*	
		For Aluminum, Anodized Finish, Add	*960.49*	
08 36 13 00-0049	EA	22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,046.08	2,034.71
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*576.61*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*994.16*	
		For Aluminum, Mill Finish, Add	*453.34*	
		For Aluminum, Anodized Finish, Add	*1,268.55*	
08 36 13 00-0050	EA	22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,517.34	2,306.00
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*711.27*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,226.33*	
		For Aluminum, Mill Finish, Add	*559.20*	
		For Aluminum, Anodized Finish, Add	*1,564.79*	
08 36 13 00-0051	EA	22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,206.89	2,577.30
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*877.58*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,513.06*	
		For Aluminum, Mill Finish, Add	*689.96*	
		For Aluminum, Anodized Finish, Add	*1,930.67*	
08 36 13 00-0052	EA	22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,628.14	2,848.60
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,004.99*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,732.74*	
		For Aluminum, Mill Finish, Add	*790.13*	
		For Aluminum, Anodized Finish, Add	*2,210.98*	
08 36 13 00-0053	EA	24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,259.85	2,034.71
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*462.61*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*797.60*	
		For Aluminum, Mill Finish, Add	*363.71*	
		For Aluminum, Anodized Finish, Add	*1,017.74*	
08 36 13 00-0054	EA	24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,825.45	2,306.00
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*610.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,053.35*	
		For Aluminum, Mill Finish, Add	*480.33*	
		For Aluminum, Anodized Finish, Add	*1,344.08*	
08 36 13 00-0055	EA	24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,711.11	2,577.30
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*805.69*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,389.12*	
		For Aluminum, Mill Finish, Add	*633.44*	
		For Aluminum, Anodized Finish, Add	*1,772.51*	
08 36 13 00-0056	EA	24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,969.57	2,848.60
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*909.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,568.10*	
		For Aluminum, Mill Finish, Add	*715.05*	
		For Aluminum, Anodized Finish, Add	*2,000.90*	
08 36 13 00-0057	EA	24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,424.18	3,119.89
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,041.74*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,796.11*	
		For Aluminum, Mill Finish, Add	*819.02*	
		For Aluminum, Anodized Finish, Add	*2,291.83*	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,636.47	474.76
		For Aluminum, Mill Finish, Add	*192.31*	
		For Aluminum, Anodized Finish, Add	*538.13*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*210.87*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*421.74*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,096.51*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,108.68*	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,140.21	542.59
		For Aluminum, Mill Finish, Add	*234.27*	
		For Aluminum, Anodized Finish, Add	*655.55*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*256.88*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*513.76*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,335.77*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,568.79*	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,858.07	678.23
		For Aluminum, Mill Finish, Add	*285.18*	
		For Aluminum, Anodized Finish, Add	*798.01*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*312.70*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*625.40*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,626.03*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,126.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,065.17	542.59
		For Aluminum, Mill Finish, Add	*225.72*	
		For Aluminum, Anodized Finish, Add	*631.62*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*247.50*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*495.00*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,286.99*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,474.99*	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,765.63	678.23
		For Aluminum, Mill Finish, Add	*274.64*	
		For Aluminum, Anodized Finish, Add	*768.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*301.14*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*602.29*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,565.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,011.44*	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,788.33	881.71
		For Aluminum, Mill Finish, Add	*344.84*	
		For Aluminum, Anodized Finish, Add	*964.95*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*378.12*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*756.23*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,966.20*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,781.15*	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,561.63	1,085.18
		For Aluminum, Mill Finish, Add	*386.60*	
		For Aluminum, Anodized Finish, Add	*1,081.82*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*423.91*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*847.82*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,204.33*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,239.09*	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,624.33	678.23
		For Aluminum, Mill Finish, Add	*258.53*	
		For Aluminum, Anodized Finish, Add	*723.44*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*283.48*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*566.96*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,474.10*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,834.81*	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,521.45	881.71
		For Aluminum, Mill Finish, Add	*314.42*	
		For Aluminum, Anodized Finish, Add	*879.81*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*344.76*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*689.51*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,792.73*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,447.55*	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,514.54	1,085.18
		For Aluminum, Mill Finish, Add	*381.24*	
		For Aluminum, Anodized Finish, Add	*1,066.79*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*418.02*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*836.05*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,173.72*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,180.23*	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,450.05	1,288.65
		For Aluminum, Mill Finish, Add	*441.49*	
		For Aluminum, Anodized Finish, Add	*1,235.41*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*484.09*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*968.19*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,517.29*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,840.94*	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,829.97	1,559.94
		For Aluminum, Mill Finish, Add	*536.95*	
		For Aluminum, Anodized Finish, Add	*1,502.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*588.76*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,177.52*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,061.56*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,887.61*	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,313.86	881.71
		For Aluminum, Mill Finish, Add	*290.75*	
		For Aluminum, Anodized Finish, Add	*813.59*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*318.81*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*637.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,657.79*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,188.06*	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,348.81	1,085.18
		For Aluminum, Mill Finish, Add	*362.34*	
		For Aluminum, Anodized Finish, Add	*1,013.93*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*397.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*794.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,065.99*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,973.06*	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,510.69	1,356.48
		For Aluminum, Mill Finish, Add	*432.94*	
		For Aluminum, Anodized Finish, Add	*1,211.48*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*474.72*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*949.44*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,468.53*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,747.18*	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,669.47	1,559.94
		For Aluminum, Mill Finish, Add	*518.65*	
		For Aluminum, Anodized Finish, Add	*1,451.32*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*568.70*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,137.40*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,957.23*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,686.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,800.37	1,763.41
		For Aluminum, Mill Finish, Add	*601.18*	
		For Aluminum, Anodized Finish, Add	*1,682.26*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*659.19*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,318.39*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,427.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,591.93*	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,169.14	1,085.18
		For Aluminum, Mill Finish, Add	*341.86*	
		For Aluminum, Anodized Finish, Add	*956.61*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*374.85*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*749.70*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,949.21*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,748.48*	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,650.25	1,356.48
		For Aluminum, Mill Finish, Add	*448.85*	
		For Aluminum, Anodized Finish, Add	*1,256.00*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*492.16*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*984.33*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,559.25*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,921.63*	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,763.68	1,559.94
		For Aluminum, Mill Finish, Add	*529.39*	
		For Aluminum, Anodized Finish, Add	*1,481.37*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*580.48*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,160.95*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,018.47*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,804.75*	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,884.09	1,763.41
		For Aluminum, Mill Finish, Add	*610.73*	
		For Aluminum, Anodized Finish, Add	*1,708.97*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*669.66*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,339.32*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,482.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,696.58*	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,501.29	2,034.71
		For Aluminum, Mill Finish, Add	*733.23*	
		For Aluminum, Anodized Finish, Add	*2,051.76*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*803.98*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,607.96*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,180.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,039.81*	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,973.38	1,356.48
		For Aluminum, Mill Finish, Add	*371.69*	
		For Aluminum, Anodized Finish, Add	*1,040.08*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*407.55*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*815.11*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,119.28*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,075.54*	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,392.10	1,559.94
		For Aluminum, Mill Finish, Add	*487.03*	
		For Aluminum, Anodized Finish, Add	*1,362.84*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*534.03*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,068.06*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,776.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,340.28*	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,577.06	1,763.41
		For Aluminum, Mill Finish, Add	*575.73*	
		For Aluminum, Anodized Finish, Add	*1,611.02*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*631.28*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,262.56*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,282.65*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,312.79*	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,679.23	2,034.71
		For Aluminum, Mill Finish, Add	*753.52*	
		For Aluminum, Anodized Finish, Add	*2,108.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*826.22*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,652.45*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,296.36*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,262.24*	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,708.53	2,306.00
		For Aluminum, Mill Finish, Add	*809.00*	
		For Aluminum, Anodized Finish, Add	*2,263.78*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*887.06*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,774.12*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,612.72*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,870.61*	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,358.95	1,559.94
		For Aluminum, Mill Finish, Add	*483.25*	
		For Aluminum, Anodized Finish, Add	*1,352.26*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*529.88*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,059.77*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,755.40*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,298.84*	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,653.84	1,763.41
		For Aluminum, Mill Finish, Add	*584.48*	
		For Aluminum, Anodized Finish, Add	*1,635.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*640.88*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,281.75*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,332.56*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,408.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,036.83	2,034.71
		For Aluminum, Mill Finish, Add	*794.28*	
		For Aluminum, Anodized Finish, Add	*2,222.60*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*870.92*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,741.85*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,528.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,709.24*	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,027.76	2,306.00
		For Aluminum, Mill Finish, Add	*845.39*	
		For Aluminum, Anodized Finish, Add	*2,365.61*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*926.97*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,853.93*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,820.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,269.65*	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,960.70	2,577.30
		For Aluminum, Mill Finish, Add	*1,003.89*	
		For Aluminum, Anodized Finish, Add	*2,809.13*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,100.76*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,201.52*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,723.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,007.58*	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,079.90	1,763.41
		For Aluminum, Mill Finish, Add	*519.05*	
		For Aluminum, Anodized Finish, Add	*1,452.43*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*569.13*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,138.27*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,959.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,691.34*	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,972.73	2,034.71
		For Aluminum, Mill Finish, Add	*672.98*	
		For Aluminum, Anodized Finish, Add	*1,883.15*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*737.91*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,475.82*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,837.14*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,379.11*	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,835.89	2,306.00
		For Aluminum, Mill Finish, Add	*823.52*	
		For Aluminum, Anodized Finish, Add	*2,304.41*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*902.98*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,805.96*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,695.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,029.81*	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,299.55	2,577.30
		For Aluminum, Mill Finish, Add	*928.52*	
		For Aluminum, Anodized Finish, Add	*2,598.23*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,018.11*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,036.23*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,294.19*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,181.14*	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	15,162.63	2,848.60
		For Aluminum, Mill Finish, Add	*1,079.06*	
		For Aluminum, Anodized Finish, Add	*3,019.48*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,183.18*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,366.37*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,152.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,831.83*	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,008.04	2,034.71
		For Aluminum, Mill Finish, Add	*563.00*	
		For Aluminum, Anodized Finish, Add	*1,575.41*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*617.33*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,234.65*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,210.09*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,173.25*	
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,094.50	2,306.00
		For Aluminum, Mill Finish, Add	*739.00*	
		For Aluminum, Anodized Finish, Add	*2,067.90*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*810.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,620.62*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,213.60*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,103.08*	
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,858.22	2,577.30
		For Aluminum, Mill Finish, Add	*878.21*	
		For Aluminum, Anodized Finish, Add	*2,457.44*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*962.95*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,925.90*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,007.33*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,629.48*	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	14,724.79	2,848.60
		For Aluminum, Mill Finish, Add	*1,029.15*	
		For Aluminum, Anodized Finish, Add	*2,879.81*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,128.45*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,256.91*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,867.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,284.53*	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	16,561.76	3,119.89
		For Aluminum, Mill Finish, Add	*1,176.71*	
		For Aluminum, Anodized Finish, Add	*3,292.72*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,290.25*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,580.50*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,709.30*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*12,902.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0101		**Residential Grade, Galvanized Steel Sectional Overhead Doors** *(08 36 13 00-0013)*		
		Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA	9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,274.15	271.30
		For Aluminum And Fiberglass, Add	*184.74*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*214.53*	
08 36 13 00-0103	EA	9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,381.09	271.30
		For Aluminum And Fiberglass, Add	*217.89*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*253.03*	
08 36 13 00-0104	EA	16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,759.74	310.36
		For Aluminum And Fiberglass, Add	*305.51*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*354.78*	
08 36 13 00-0105	EA	16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,927.79	310.36
		For Aluminum And Fiberglass, Add	*357.60*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*415.28*	
08 36 13 00-0106		**Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports** *(08 36 13 00-0013)*		
		Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	19.27	
08 36 13 00-0108		**Sectional Fiberglass Overhead Doors (Width x Height)** *(08 36 13)*		
08 36 13 00-0109		**Fiberglass Sectional Overhead Doors** *(08 36 13 00-0108)*		
08 36 13 00-0110		**Non-Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA	8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,398.13	474.76
08 36 13 00-0112	EA	8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,831.46	542.59
08 36 13 00-0113	EA	8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,376.74	678.23
08 36 13 00-0114	EA	10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,802.88	542.59
08 36 13 00-0115	EA	10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,317.22	610.41
08 36 13 00-0116	EA	10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,199.47	847.80
08 36 13 00-0117	EA	10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,085.70	1,085.18
08 36 13 00-0118	EA	12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,336.24	678.23
08 36 13 00-0119	EA	12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,182.79	847.80
08 36 13 00-0120	EA	12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,019.42	1,017.36
08 36 13 00-0121	EA	12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,193.61	1,356.48
08 36 13 00-0122	EA	12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,237.84	1,627.77
08 36 13 00-0123	EA	14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,140.58	949.53
08 36 13 00-0124	EA	14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,985.64	1,085.18
08 36 13 00-0125	EA	14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,107.84	1,356.48
08 36 13 00-0126	EA	14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,228.31	1,627.77
08 36 13 00-0127	EA	14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	8,080.25	1,763.41
08 36 13 00-0128	EA	16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,706.90	1,085.18
08 36 13 00-0129	EA	16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,607.64	1,220.83
08 36 13 00-0130	EA	16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,794.63	1,492.12
08 36 13 00-0131	EA	16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,968.28	1,763.41
08 36 13 00-0132	EA	16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	8,871.98	1,899.06
08 36 13 00-0133		**Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,876.13	474.76
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,407.74	542.59
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,043.42	678.23
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,369.72	542.59
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	4,009.07	610.41
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	5,025.75	847.80
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	6,047.99	1,085.18
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,989.56	678.23
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	5,003.57	847.80
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	6,004.51	1,017.36
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	7,342.22	1,356.48
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	8,552.34	1,627.77
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	4,880.38	949.53
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	5,914.91	1,085.18
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	7,228.16	1,356.48
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	8,539.67	1,627.77
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	9,583.44	1,763.41
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	5,544.19	1,085.18
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	6,652.48	1,220.83
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	8,051.74	1,492.12
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	9,434.51	1,763.41
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	10,546.55	1,899.06
08 36 13 00-0156		**Sectional Overhead Door Accessories** *(08 36 13)*		
08 36 13 00-0157		**Sectional Overhead Door Accessories** *(08 36 13 00-0156)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0158	LF	Molding, Draft Stop	4.50	1.70
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	6.30	2.12
08 36 13 00-0160	LF	Weather Strip At Door Bottom	3.85	1.70
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	350.76	84.78
08 36 13 00-0162	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,763.69	271.30
08 36 13 00-0163	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	32.05	
08 36 13 00-0164	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	19.99	
08 36 13 00-0165	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	19.50	
08 36 13 00-0166	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	13.29	
08 36 13 00-0167	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	50.94	
08 36 13 00-0168	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	34.38	
08 36 13 00-0169	SF	Up To 2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	68.77	
08 36 13 00-0170	SF	>2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	46.42	
08 36 13 00-0171	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	667.43	135.65
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,037.74	204.69
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,542.87	341.16
08 36 13 00-0174	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	1.91	
08 36 13 00-0175	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.46	
08 36 13 00-0176	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	3.25	

08 38 Traffic Doors *(08 30)*

08 38 13 Flexible Strip Doors *(08 38)*

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors *(08 38 13)*

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	25.53	8.14
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.79*	
		For Ribbed Strip Material, Add	*1.66*	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	35.57	10.85
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.12*	
		For Ribbed Strip Material, Add	*2.34*	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	22.17	6.78
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.00*	
		For Ribbed Strip Material, Add	*2.09*	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	28.79	7.46
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.25*	
		For Ribbed Strip Material, Add	*2.63*	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	23.51	6.78
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.27*	
		For Ribbed Strip Material, Add	*2.66*	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips *(08 38 13)*

08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	85.12	38.26
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*2.27*	
		For Ribbed Strip Material, Add	*4.77*	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	88.31	38.26
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*2.59*	
		For Ribbed Strip Material, Add	*5.44*	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	130.45	47.34
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*5.31*	
		For Ribbed Strip Material, Add	*11.16*	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	141.24	47.34
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*6.39*	
		For Ribbed Strip Material, Add	*13.42*	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	151.37	47.34
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*7.41*	
		For Ribbed Strip Material, Add	*15.55*	
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip	270.10	48.29
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*17.35*	
		For Ribbed Strip Material, Add	*36.42*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 38 16 Flexible Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) *(08 38 16)*

08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0001)*

08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	8,696.01	135.65
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,420.19	135.65
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	19,849.91	155.99
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	22,285.73	169.56
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	34,818.32	169.56
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	36,439.58	169.56
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	40,530.65	203.47

08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,704.18	135.65
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,510.64	135.65
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	23,563.44	155.99
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	25,982.77	169.56
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	39,058.31	169.56
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	40,707.48	169.56
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	45,278.80	203.47

08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) *(08 38 16)*

Note: Includes pebble embossed finish and a 14" x 16" vinyl window.

08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*

08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,262.81	74.60
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,525.07	74.60

08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,525.07	74.60
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,599.05	74.60

08 38 16 00-0027 Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*

08 38 16 00-0028 84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*

08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	6,484.90	128.86
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,009.44	128.86

08 38 16 00-0031 96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*

08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,009.44	128.86
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,157.39	128.86

08 38 19 Rigid Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 19 00-0001 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) *(08 38 19)*

Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.

08 38 19 00-0002 Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*

08 38 19 00-0003 84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,547.97	74.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,669.02	74.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,722.87	78.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,796.84	78.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,877.64	81.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,039.03	81.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,106.42	91.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0011 96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*

08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,756.44	74.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,850.59	74.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,911.17	78.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,964.96	78.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,153.36	81.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,193.70	81.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,254.36	91.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0019 Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*

08 38 19 00-0020 84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*

08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,055.23	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,297.32	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,391.47	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,539.42	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,700.97	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,023.77	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,117.91	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0028		96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,472.17	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,660.46	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,768.06	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,875.66	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,252.41	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,333.11	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,413.81	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0036		3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037		Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		
08 38 19 00-0038		84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,785.34	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,101.41	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,235.96	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,370.46	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,417.63	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,693.35	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,962.48	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,009.55	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0047		96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,054.34	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,383.85	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,518.40	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,686.53	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,814.39	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,083.39	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,211.30	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,379.42	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0056		Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		
08 38 19 00-0057		84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,529.97	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,162.11	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,417.65	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,686.65	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,780.95	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,332.39	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,830.03	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,924.18	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0066		96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,067.96	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,727.00	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,982.54	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,318.78	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,574.49	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,112.48	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,327.67	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,663.91	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) *(08 38 19)*

Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.

08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,918.73	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,462.41	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,614.17	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,668.54	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,729.73	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,237.16	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,674.29	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,737.72	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,036.52	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,707.06	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,867.89	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,940.38	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,965.32	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,336.84	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,764.91	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,837.40	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0096 84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,796.74	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,884.10	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,174.07	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,282.80	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,405.15	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,420.02	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,253.67	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,380.53	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,032.34	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,373.42	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,681.50	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,826.49	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,876.34	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,619.37	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,434.90	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,579.88	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) *(08 38 19)*

Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.

08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,753.72	74.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,110.14	74.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,211.06	78.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,298.49	78.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,453.25	81.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,621.38	81.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,776.18	91.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,890.51	91.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0125		96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*		
08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,056.34	74.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,432.93	74.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,540.58	78.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,587.66	78.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,728.97	81.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,950.89	81.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,078.80	91.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,193.12	91.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0134		Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*		
08 38 19 00-0135		84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*		
08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,466.73	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,179.56	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,367.86	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,542.71	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,852.21	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,188.45	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,457.45	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,686.09	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0144		96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*		
08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,071.97	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,825.15	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,026.89	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,121.04	128.86
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,403.65	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,847.49	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,062.68	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,291.33	135.65
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0153 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.

08 38 19 00-0154 Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*

08 38 19 00-0155 84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,686.47	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,881.49	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,063.12	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,177.44	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,466.70	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,695.35	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,897.23	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,112.43	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,820.97	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,056.34	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,177.44	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,338.84	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,648.28	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,923.99	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,112.43	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,314.17	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0173		96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0174	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,163.94	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0175	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,211.01	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0176	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,412.81	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0177	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,560.76	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0178	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,876.92	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0179	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,206.44	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0180	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,381.42	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0181	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,583.16	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0182		Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*		
08 38 19 00-0183		84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0184	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,332.23	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0185	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,722.27	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0186	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,071.97	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0187	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,300.61	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0188	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,879.11	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0189	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,336.40	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0190	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,699.54	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0191	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,129.93	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0192		90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0193	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,601.23	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0194	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,071.97	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0195	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,300.61	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0196	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,623.40	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0197	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,242.25	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0198	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,793.69	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0199	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,129.93	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0200	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,533.42	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0201		96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,287.16	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,381.31	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,771.35	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,067.24	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,699.54	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,358.58	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,667.92	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,071.41	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0210		1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211		Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*		
08 38 19 00-0212		84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,686.47	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,881.49	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,063.12	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,177.44	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,466.70	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,695.35	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,897.23	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,112.43	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0221		90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,820.97	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,056.34	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,177.44	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,338.84	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,648.28	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,923.99	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,112.43	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,314.17	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0230		**96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0211)*		
08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,163.94	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,211.01	74.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,412.81	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,560.76	78.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,876.92	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,206.44	81.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,381.42	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,583.16	91.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0239		**Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0210)*		
08 38 19 00-0240		**84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0239)*		
08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,332.23	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,722.27	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,071.97	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,300.61	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,879.11	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,336.40	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0247	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,699.54	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0248	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,129.93	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0249		**90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors** *(08 38 19 00-0239)*		
08 38 19 00-0250	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,601.23	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,071.97	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,300.61	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,623.40	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,242.25	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,793.69	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,129.93	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,533.42	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0258 96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*

08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,287.16	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,381.31	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,771.35	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,067.24	128.86
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,699.54	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,358.58	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,667.92	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,071.41	135.65
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0267 Rigid Impact Traffic Door Accessories *(08 38 19)*

08 38 19 00-0268 Bumper Strips For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two bumpers per set.

08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	303.08	54.26
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	336.70	54.26
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	363.60	54.26
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	410.68	54.26

08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two bumpers per set.

08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	847.79	54.26
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	1,130.24	54.26
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,674.95	54.26
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	1,937.22	54.26
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	2,206.21	54.26

08 38 19 00-0279 Scuff Plates For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two 0.090" thermoplastic plates per set.

08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	363.60	54.26
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	390.50	54.26
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	424.13	54.26
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	471.20	54.26
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	498.10	54.26

08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	498.10	54.26
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	619.15	54.26
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	686.40	54.26
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	780.54	54.26
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	841.07	54.26

08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates	619.15	54.26
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates	726.74	54.26
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates	807.44	54.26
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates	955.39	54.26
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates	1,056.26	54.26

08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates	686.40	54.26
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates	807.44	54.26
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates	941.94	54.26
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates	1,015.91	54.26
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates	1,130.24	54.26

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0304		48" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	841.07	54.26
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	1,056.26	54.26
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	1,130.24	54.26
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	1,271.46	54.26
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	1,426.13	54.26
08 38 19 00-0310		Base Plates For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	350.15	54.26
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	377.05	54.26
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	390.50	54.26
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	451.03	54.26
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	477.93	54.26
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	451.03	54.26
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	491.38	54.26
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	531.72	54.26
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	565.35	54.26
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	619.15	54.26
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	518.27	54.26
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	551.90	54.26
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	632.60	54.26
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	720.02	54.26
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	760.37	54.26
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	551.90	54.26
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	619.15	54.26
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	720.02	54.26
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	800.72	54.26
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	847.79	54.26
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	706.57	54.26
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	800.72	54.26
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	928.49	54.26
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	989.01	54.26
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,069.71	54.26
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	471.20	54.26
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	498.10	54.26
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	578.80	54.26
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	619.15	54.26
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	733.47	54.26
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	659.50	54.26
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	780.54	54.26
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	901.59	54.26
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,049.54	54.26
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,184.03	54.26
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	753.64	54.26
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	915.04	54.26
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,062.99	54.26
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,217.66	54.26
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,399.23	54.26
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	874.69	54.26
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,049.54	54.26
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,251.28	54.26
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,446.30	54.26
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,614.43	54.26
08 38 19 00-0367		48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,089.89	54.26
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,506.83	54.26
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,614.43	54.26
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,937.22	54.26
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,125.51	54.26
08 38 19 00-0373		One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0374		12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	417.40	54.26
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	451.03	54.26
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	491.38	54.26
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	538.45	54.26
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	612.42	54.26
08 38 19 00-0380		24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	565.35	54.26
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	646.05	54.26
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	726.74	54.26
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	814.17	54.26
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	915.04	54.26
08 38 19 00-0386		30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	646.05	54.26
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	746.92	54.26
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	861.24	54.26
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,002.46	54.26
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,096.61	54.26
08 38 19 00-0392		36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	726.74	54.26
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	861.24	54.26
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,002.46	54.26
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,143.69	54.26
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,244.56	54.26
08 38 19 00-0398		48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	915.04	54.26
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,123.51	54.26
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,244.56	54.26
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,486.65	54.26
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,553.90	54.26
08 38 19 00-0404		Jamb Guards For Impact Traffic Doors *(08 38 19 00-0267)*		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	572.18	67.82
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	773.93	67.82
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	1,513.66	67.82
08 38 19 00-0408		Other Impact Traffic Door Accessories *(08 38 19 00-0267)*		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	141.51	33.91
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	188.58	33.91
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	477.75	33.91
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	598.80	33.91
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	235.66	33.91
08 38 19 00-0414		Impact Traffic Door Knock Down Frames *(08 38 19)* Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415		Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0416		84" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,404.60	101.74
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,653.72	111.90
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,690.14	118.69
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,730.47	128.86
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,769.80	135.65
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,845.02	142.43
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,899.88	149.22
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,936.04	155.99
08 38 19 00-0425		90" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,434.59	101.74
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,689.43	111.90
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,726.47	118.69
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,767.29	128.86
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,807.26	135.65
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,884.02	142.43
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,939.89	149.22
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,976.66	155.99
08 38 19 00-0434		96" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,474.47	101.74
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,736.91	111.90
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,774.69	118.69
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,804.38	128.86
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,857.02	135.65
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,923.02	142.43
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,993.08	149.22
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,033.55	152.60
08 38 19 00-0443		Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0444		84" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,970.67	155.99
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,002.02	158.71
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,041.41	162.77
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,093.63	169.56
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,125.69	176.34
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,198.34	177.70
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,246.90	179.73
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,305.23	183.13
08 38 19 00-0453		90" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,012.10	155.99
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,044.05	158.71
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,084.31	162.77
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,137.48	169.56
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,170.07	176.34
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,244.40	177.70
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,294.07	179.73
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,353.71	183.13
08 38 19 00-0462		96" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,060.45	155.99
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,086.01	158.71
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,141.27	162.77
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,181.33	169.56
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,228.91	176.34
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,312.32	177.70
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,356.75	179.73
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,406.62	183.13

08 40 Entrances, Storefronts, and Curtain Walls *(08)*

08 42 Entrances *(08 40)*

08 42 13 Aluminum-Framed Entrances *(08 42)*

08 42 13 00-0001 Aluminum Framed Entrance Doors *(08 42 13)*

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2103 for exit device, 08 71 11 00-2259 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,006.24	763.96
		For Bronze Finish, Add	*428.56*	
		For Black Finish, Add	*1,230.85*	
		For 8' High Door, Add	*444.00*	
		For 10' High Door, Add	*965.22*	
		For 1" Insulated Glazing, Add	*164.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,145.79	839.55
		For Bronze Finish, Add	*431.33*	
		For Black Finish, Add	*1,238.82*	
		For 8' High Door, Add	*446.88*	
		For 10' High Door, Add	*971.47*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	8,404.29	1,145.71
		For Bronze Finish, Add	*742.55*	
		For Black Finish, Add	*2,132.67*	
		For 8' High Door, Add	*769.31*	
		For 10' High Door, Add	*1,672.42*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	9,798.96	1,248.44
		For Bronze Finish, Add	*879.18*	
		For Black Finish, Add	*2,525.08*	
		For 8' High Door, Add	*910.87*	
		For 10' High Door, Add	*1,980.14*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,531.62	763.96
		For Bronze Finish, Add	*486.87*	
		For Black Finish, Add	*1,398.34*	
		For 8' High Door, Add	*504.42*	
		For 10' High Door, Add	*1,096.56*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,703.69	839.55
		For Bronze Finish, Add	*493.26*	
		For Black Finish, Add	*1,416.68*	
		For 8' High Door, Add	*511.04*	
		For 10' High Door, Add	*1,110.95*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	9,397.51	1,145.71
		For Bronze Finish, Add	*852.80*	
		For Black Finish, Add	*2,449.31*	
		For 8' High Door, Add	*883.53*	
		For 10' High Door, Add	*1,920.73*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	10,763.18	1,248.44
		For Bronze Finish, Add	*986.21*	
		For Black Finish, Add	*2,832.47*	
		For 8' High Door, Add	*1,021.75*	
		For 10' High Door, Add	*2,221.20*	
		For 1" Insulated Glazing, Add	*328.89*	

08 42 26 All-Glass Entrances *(08 42)*

08 42 26 00-0001 Full Glass Entrance Doors *(08 42 26)*

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA	3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	8,006.30	286.34
		For Anodized Color, Add	*1,234.97*	
		For Stainless Steel, Add	*4,459.60*	
		For 8' High Door, Add	*789.01*	
		For 10' High Door, Add	*1,715.23*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2") Note: Including Trim And Hardware	14,590.53	343.61
		For Anodized Color, Add	*2,331.77*	
		For Stainless Steel, Add	*8,420.30*	
		For 8' High Door, Add	*1,489.74*	
		For 10' High Door, Add	*3,238.58*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	9,242.33	286.34
		For Anodized Color, Add	*1,457.45*	
		For Stainless Steel, Add	*5,263.02*	
		For 8' High Door, Add	*931.15*	
		For 10' High Door, Add	*2,024.24*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8") Note: Including Trim And Hardware	17,251.79	343.61
		For Anodized Color, Add	*2,810.80*	
		For Stainless Steel, Add	*10,150.11*	
		For 8' High Door, Add	*1,795.79*	
		For 10' High Door, Add	*3,903.89*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	10,473.52	286.34
		For Anodized Color, Add	*1,679.07*	
		For Stainless Steel, Add	*6,063.30*	
		For 8' High Door, Add	*1,072.74*	
		For 10' High Door, Add	*2,332.04*	
		For 1" Insulated Glazing, Add	*164.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0007	PR	6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4")	19,908.71	343.61
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*3,289.05*	
		For Stainless Steel, Add	*11,877.11*	
		For 8' High Door, Add	*2,101.34*	
		For 10' High Door, Add	*4,568.12*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 26 00-0008	EA	3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door	12,940.68	286.34
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*2,123.16*	
		For Stainless Steel, Add	*7,666.95*	
		For 8' High Door, Add	*1,356.46*	
		For 10' High Door, Add	*2,948.83*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 26 00-0009	PR	6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1")	25,226.85	343.61
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*4,246.31*	
		For Stainless Steel, Add	*15,333.90*	
		For 8' High Door, Add	*2,712.92*	
		For 10' High Door, Add	*5,897.66*	
		For 1" Insulated Glazing, Add	*328.89*	

08 42 26 00-0010 Frames For Full Glass Doors *(08 42 26)*

08 42 26 00-0011	LF	Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	34.82	3.43
08 42 26 00-0012	LF	Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	44.71	4.58

08 42 29 Automatic Entrances *(08 42)*

08 42 29 23 Sliding Automatic Entrances *(08 42 29)*

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*

Note: Single sliding.

08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,784.10	114.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*341.63*	
		For Emergency Egress On All Panels, Add	*911.01*	
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,271.93	154.63
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*372.20*	
		For Emergency Egress On All Panels, Add	*992.54*	
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,729.06	171.81
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*403.91*	
		For Emergency Egress On All Panels, Add	*1,077.09*	
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	6,172.57	188.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*434.60*	
		For Emergency Egress On All Panels, Add	*1,158.92*	
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,141.73	229.07
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*576.27*	
		For Emergency Egress On All Panels, Add	*1,536.72*	
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,403.27	269.16
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*589.87*	
		For Emergency Egress On All Panels, Add	*1,572.99*	
08 42 29 23-0009	EA	15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	11,316.35	309.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*802.34*	
		For Emergency Egress On All Panels, Add	*2,139.57*	

08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*

Note: Bi-parting.

08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	9,487.04	286.34
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*668.58*	
		For Emergency Egress On All Panels, Add	*1,782.87*	
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	10,400.41	314.97
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*732.78*	
		For Emergency Egress On All Panels, Add	*1,954.09*	
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	11,313.78	343.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*796.99*	
		For Emergency Egress On All Panels, Add	*2,125.31*	
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	13,750.13	372.24
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*975.42*	
		For Emergency Egress On All Panels, Add	*2,601.13*	
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	16,186.51	400.76
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,153.86*	
		For Emergency Egress On All Panels, Add	*3,076.95*	

08 42 29 23-0016 Aluminum Finished Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0017 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*

Note: Single sliding.

08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,354.96	114.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*309.44*	
		For Emergency Egress On All Panels, Add	*825.18*	
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,804.43	154.63
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*337.14*	
		For Emergency Egress On All Panels, Add	*899.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0020	EA	7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,213.84	171.81
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*365.27*	
		For Emergency Egress On All Panels, Add	*974.05*	
08 42 29 23-0021	EA	8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,626.66	188.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*393.65*	
		For Emergency Egress On All Panels, Add	*1,049.74*	
08 42 29 23-0022	EA	9'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	6,522.28	209.03
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*457.82*	
		For Emergency Egress On All Panels, Add	*1,220.85*	
08 42 29 23-0023	EA	10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,417.92	229.07
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*521.98*	
		For Emergency Egress On All Panels, Add	*1,391.95*	
08 42 29 23-0024	EA	12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,662.33	269.16
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*534.30*	
		For Emergency Egress On All Panels, Add	*1,424.80*	
08 42 29 23-0025	EA	15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	10,308.62	309.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*726.76*	
		For Emergency Egress On All Panels, Add	*1,938.02*	

08 42 29 23-0026 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*

Note: Bi-parting.

08 42 29 23-0027	EA	10'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	8,214.92	272.02
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*575.32*	
		For Emergency Egress On All Panels, Add	*1,534.17*	
08 42 29 23-0028	EA	12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	8,647.28	286.34
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*605.60*	
		For Emergency Egress On All Panels, Add	*1,614.92*	
08 42 29 23-0029	EA	14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	9,479.96	314.97
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*663.75*	
		For Emergency Egress On All Panels, Add	*1,770.00*	
08 42 29 23-0030	EA	16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	10,312.64	343.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*721.91*	
		For Emergency Egress On All Panels, Add	*1,925.08*	
08 42 29 23-0031	EA	18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	12,524.92	372.24
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*883.53*	
		For Emergency Egress On All Panels, Add	*2,356.09*	
08 42 29 23-0032	EA	20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	14,737.22	400.76
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,045.16*	
		For Emergency Egress On All Panels, Add	*2,787.09*	

08 42 29 23-0033 Stanley Automatic Slide Doors *(08 42 29 23-0016)*

08 42 29 23-0034	EA	Single Slide, Dura Glide 2000 Slide Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, OR entry, and OR back entry applications.	9,924.00	
		For Special Finish, Add	*1,240.50*	
		For Access Control Belt Lock, Add	*2,584.38*	
		For Smoke Evacuation, Add	*723.62*	
		For Push Plate/Touchless Activation, Add	*516.88*	
		For Aluminum Transom, Add	*930.38*	
		For Added Panel, Add	*1,757.38*	
		For 1/2" Clear Glass, Add	*2,377.62*	
08 42 29 23-0035	EA	Single Slide, Dura Glide 3000 All Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, auto ICU, and latching applications.	10,234.12	
		For Special Finish, Add	*1,240.50*	
		For Access Control Belt Lock, Add	*2,791.12*	
		For Smoke Evacuation, Add	*723.62*	
		For Push Plate/Touchless Activation, Add	*516.88*	
		For Aluminum Transom, Add	*930.38*	
		For Added Panel, Add	*1,757.38*	
		For 1/2" Clear Glass, Add	*2,791.12*	
08 42 29 23-0036	EA	Single Slide, Dura Glide 5200 Lead Slide Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications.	14,989.38	
		For Special Finish, Add	*1,240.50*	
		For Access Control Belt Lock, Add	*2,584.38*	
		For Push Plate/Touchless Activation, Add	*516.88*	
		For Aluminum Transom, Add	*930.38*	
		For Added Panel, Add	*1,757.38*	
08 42 29 23-0037	EA	Single Slide, Dura Glide 5300 All Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications.	15,402.88	
		For Special Finish, Add	*1,240.50*	
		For Access Control Belt Lock, Add	*2,791.12*	
		For Push Plate/Touchless Activation, Add	*516.88*	
		For Aluminum Transom, Add	*930.38*	
		For Added Panel, Add	*1,757.38*	
08 42 29 23-0038	EA	Bi Part Slide, Dura Glide 2000 Slide Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, OR entry, and OR back entry applications.	12,818.50	
		For Special Finish, Add	*2,274.25*	
		For Access Control Belt Lock, Add	*2,584.38*	
		For Smoke Evacuation, Add	*723.62*	
		For Push Plate/Touchless Activation, Add	*516.88*	
		For Aluminum Transom, Add	*930.38*	
		For Added Panel, Add	*1,757.38*	
		For 1/2" Clear Glass, Add	*2,377.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0039	EA	Bi Part Slide, Dura Glide 3000 All Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, auto ICU, and latching applications.	13,128.62	
		For Special Finish, Add	*2,274.25*	
		For Access Control Belt Lock, Add	*2,791.12*	
		For Smoke Evacuation, Add	*723.62*	
		For Push Plate/Touchless Activation, Add	*516.88*	
		For Aluminum Transom, Add	*930.38*	
		For Added Panel, Add	*1,757.38*	
		For 1/2" Clear Glass, Add	*2,791.12*	
08 42 29 23-0040	EA	Bi Part Slide, Dura Glide 5200 Lead Slide Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications.	18,504.12	
		For Special Finish, Add	*2,274.25*	
		For Access Control Belt Lock, Add	*2,584.38*	
		For Push Plate/Touchless Activation, Add	*516.88*	
		For Aluminum Transom, Add	*930.38*	
		For Added Panel, Add	*1,757.38*	
08 42 29 23-0041	EA	Bi Part Slide, Dura Glide 5300 All Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications.	18,917.62	
		For Special Finish, Add	*2,274.25*	
		For Access Control Belt Lock, Add	*2,791.12*	
		For Push Plate/Touchless Activation, Add	*516.88*	
		For Aluminum Transom, Add	*930.38*	
		For Added Panel, Add	*1,757.38*	
08 42 29 23-0042	EA	Dura Max 5400 All Panel, Swing Out, Stanley Automatic Slide Door With Glass Note: Includes slide door safety sensor. Vestibule entry, suite entry, and parking garage applications.	14,369.12	
		For Special Finish, Add	*2,274.25*	
		For Access Control Belt Lock, Add	*2,274.25*	
		For Push Plate/Touchless Activation, Add	*516.88*	
		For Aluminum Transom, Add	*930.38*	
		For Added Panel, Add	*1,757.38*	

08 42 29 23-0043 Stainless Steel Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0044 2 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0043)*

Note: Single sliding.

08 42 29 23-0045	EA	5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	5,509.39	114.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*396.02*	
		For Emergency Egress On All Panels, Add	*1,056.06*	
08 42 29 23-0046	EA	6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	6,062.19	154.63
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*431.47*	
		For Emergency Egress On All Panels, Add	*1,150.59*	
08 42 29 23-0047	EA	7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	7,060.89	171.81
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*503.80*	
		For Emergency Egress On All Panels, Add	*1,343.46*	
08 42 29 23-0048	EA	8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	8,118.13	188.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*580.51*	
		For Emergency Egress On All Panels, Add	*1,548.03*	
08 42 29 23-0049	EA	10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,365.26	229.07
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*668.03*	
		For Emergency Egress On All Panels, Add	*1,781.42*	
08 42 29 23-0050	EA	12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,655.62	269.16
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*683.80*	
		For Emergency Egress On All Panels, Add	*1,823.46*	
08 42 29 23-0051	EA	15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	13,019.92	309.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*930.11*	
		For Emergency Egress On All Panels, Add	*2,480.28*	

08 42 29 23-0052 4 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0043)*

Note: Bi-parting.

08 42 29 23-0053	EA	12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	10,906.56	286.34
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*775.04*	
		For Emergency Egress On All Panels, Add	*2,066.78*	
08 42 29 23-0054	EA	14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	11,956.20	314.97
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*849.47*	
		For Emergency Egress On All Panels, Add	*2,265.25*	
08 42 29 23-0055	EA	16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	13,005.84	343.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*923.90*	
		For Emergency Egress On All Panels, Add	*2,463.72*	
08 42 29 23-0056	EA	18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	15,821.09	372.24
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,130.75*	
		For Emergency Egress On All Panels, Add	*3,015.32*	
08 42 29 23-0057	EA	20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	18,636.36	400.87
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,337.60*	
		For Emergency Egress On All Panels, Add	*3,566.92*	

08 42 29 23-0058 Accessories For Sliding Automatic Entrances *(08 42 29 23)*

See CSI section 08 42 29 33-0006 for eye operators.

08 42 29 23-0059	EA	Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (2 panels).	10,640.27	1,356.48
08 42 29 23-0060	EA	Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (4 panel).	18,134.03	2,034.71

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 42 29 33 Swinging Automatic Entrances *(08 42 29)*

Note: Excludes glazing.

08 42 29 33-0001 Swing Door Operators, Up To 350 Lb. Panel Weight *(08 42 29 33)*

Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.

08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 Lb. Panel	4,631.32	648.28
		Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel	7,966.86	864.42
		Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 Lb. Panel	3,851.26	518.62
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel	6,923.89	777.94

08 42 29 33-0006 Activation Devices For Door Operators *(08 42 29 33)*

08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)	456.51	51.87
		Note: Includes wiring harness and relays.		
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)	406.50	51.87
		Note: Includes wiring harness and relays.		
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38)	410.49	51.87
		Note: Includes wiring harness and relays.		
08 42 29 33-0010	EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H)	212.24	51.87
		Note: Excludes wiring from operator to push plate.		
08 42 29 33-0011	EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H)	228.00	51.87
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0012	EA	1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425)	147.65	51.87
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath)	724.88	129.66
		Note: Includes receiver and two push plate transmitters.		
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	*-64.00*	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)	974.47	64.82
		Note: Includes wiring harness and relays.		
08 42 29 33-0015	EA	Guard Rail For Door With Operator	272.56	64.82

08 42 33 Revolving Door Entrances *(08 42)*

08 42 33 00-0001 Aluminum Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0002	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	41,385.30	6,950.07
		For Automatic Controls, Add	*8,672.58*	
		For Powder Coated, Add	*1,560.65*	
08 42 33 00-0003	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	56,234.25	10,425.27
		For Automatic Controls, Add	*10,583.87*	
		For Powder Coated, Add	*1,961.13*	
08 42 33 00-0004	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	84,631.06	12,510.26
		For Automatic Controls, Add	*11,730.64*	
		For Powder Coated, Add	*3,468.10*	
08 42 33 00-0005	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	46,036.83	7,645.02
		For Automatic Controls, Add	*9,062.64*	
		For Powder Coated, Add	*1,747.75*	
08 42 33 00-0006	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	62,220.83	11,468.16
		For Automatic Controls, Add	*11,105.13*	
		For Powder Coated, Add	*2,196.25*	
08 42 33 00-0007	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	94,502.90	13,761.28
		For Automatic Controls, Add	*12,495.16*	
		For Powder Coated, Add	*3,883.89*	

08 42 33 00-0008 Stainless Steel Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	42,419.83	6,950.07
		For Automatic Controls, Add	*8,672.58*	
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	57,534.27	10,425.27
		For Automatic Controls, Add	*10,583.87*	
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	86,930.03	12,510.26
		For Automatic Controls, Add	*11,730.64*	
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	47,198.16	7,645.02
		For Automatic Controls, Add	*9,062.64*	
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	63,680.17	11,468.16
		For Automatic Controls, Add	*11,105.13*	
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	97,083.63	13,761.28
		For Automatic Controls, Add	*12,495.16*	

08 42 33 00-0015 Bronze Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	38,771.41	6,950.07
		For Automatic Controls, Add	*8,672.58*	
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	52,949.60	10,425.27
		For Automatic Controls, Add	*10,583.87*	
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	78,822.41	12,510.26
		For Automatic Controls, Add	*11,730.64*	
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	43,111.92	7,645.02
		For Automatic Controls, Add	*9,062.64*	
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	58,545.35	11,468.16
		For Automatic Controls, Add	*11,105.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	88,003.10	13,761.28
		For Automatic Controls, Add	*12,495.16*	

08 42 36 Balanced Door Entrances *(08 42)*

08 42 36 00-0001 Balanced Doors, With Glass *(08 42 36)*

Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.

08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel	14,663.37	371.47
		For Bronze Instead Of Stainless Steel, Deduct	*-3,433.60*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,373.44*	
		For Tinted Glass, Add	*686.72*	
		For Aluminum, Painted Finish, Deduct	*-4,120.32*	
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel	15,221.12	371.47
		For Bronze Instead Of Stainless Steel, Deduct	*-3,573.04*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,429.22*	
		For Tinted Glass, Add	*714.61*	
		For Aluminum, Painted Finish, Deduct	*-4,287.65*	
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel	16,575.76	371.47
		For Bronze Instead Of Stainless Steel, Deduct	*-3,911.70*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,564.68*	
		For Tinted Glass, Add	*782.34*	
		For Aluminum, Painted Finish, Deduct	*-4,694.04*	
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel	18,169.50	371.47
		For Bronze Instead Of Stainless Steel, Deduct	*-4,310.14*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,724.05*	
		For Tinted Glass, Add	*862.03*	
		For Aluminum, Painted Finish, Deduct	*-5,172.16*	
08 42 36 00-0006	PR	Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	30,349.39	706.01
		For Bronze Instead Of Stainless Steel, Deduct	*-7,146.09*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*2,858.44*	
		For Tinted Glass, Add	*1,429.22*	
		For Aluminum, Painted Finish, Deduct	*-8,575.31*	

08 43 Storefronts *(08 40)*

08 43 13 Aluminum-Framed Storefronts *(08 43)*

08 43 13 00-0001 Aluminum Storefront Framing Assembly *(08 43 13)*

Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.

08 43 13 00-0002 1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0003	SF	5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.97	8.41
		For Various Color Class I Anodized Finish, Add	*0.97*	
		For Black Color Class I Anodized Finish, Add	*2.92*	
08 43 13 00-0004	SF	6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.03	7.57
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.62*	
08 43 13 00-0005	SF	7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.93	6.98
		For Various Color Class I Anodized Finish, Add	*0.80*	
		For Black Color Class I Anodized Finish, Add	*2.40*	
08 43 13 00-0006	SF	8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.37	6.53
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.24*	
08 43 13 00-0007	SF	9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.14	6.18
		For Various Color Class I Anodized Finish, Add	*0.71*	
		For Black Color Class I Anodized Finish, Add	*2.12*	
08 43 13 00-0008	SF	10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.17	5.91
		For Various Color Class I Anodized Finish, Add	*0.67*	
		For Black Color Class I Anodized Finish, Add	*2.02*	
08 43 13 00-0009	SF	11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.36	5.68
		For Various Color Class I Anodized Finish, Add	*0.65*	
		For Black Color Class I Anodized Finish, Add	*1.94*	
08 43 13 00-0010	SF	12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.70	5.49
		For Various Color Class I Anodized Finish, Add	*0.62*	
		For Black Color Class I Anodized Finish, Add	*1.87*	

08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0012	SF	5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.80	11.00
		For Various Color Class I Anodized Finish, Add	*1.27*	
		For Black Color Class I Anodized Finish, Add	*3.81*	
08 43 13 00-0013	SF	6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.35	9.74
		For Various Color Class I Anodized Finish, Add	*1.12*	
		For Black Color Class I Anodized Finish, Add	*3.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0014	SF	7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.31	8.82
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.04*	
08 43 13 00-0015	SF	8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.94	8.14
		For Various Color Class I Anodized Finish, Add	*0.93*	
		For Black Color Class I Anodized Finish, Add	*2.80*	
08 43 13 00-0016	SF	9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.10	7.56
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.62*	
08 43 13 00-0017	SF	10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.58	7.22
		For Various Color Class I Anodized Finish, Add	*0.82*	
		For Black Color Class I Anodized Finish, Add	*2.47*	
08 43 13 00-0018	SF	11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.44	6.87
		For Various Color Class I Anodized Finish, Add	*0.78*	
		For Black Color Class I Anodized Finish, Add	*2.34*	
08 43 13 00-0019	SF	12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.41	6.53
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.24*	

08 43 13 00-0020 1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0021	SF	5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	46.65	13.51
		For Various Color Class I Anodized Finish, Add	*1.57*	
		For Black Color Class I Anodized Finish, Add	*4.71*	
08 43 13 00-0022	SF	6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.82	11.79
		For Various Color Class I Anodized Finish, Add	*1.37*	
		For Black Color Class I Anodized Finish, Add	*4.11*	
08 43 13 00-0023	SF	7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	36.60	10.65
		For Various Color Class I Anodized Finish, Add	*1.23*	
		For Black Color Class I Anodized Finish, Add	*3.68*	
08 43 13 00-0024	SF	8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.44	9.74
		For Various Color Class I Anodized Finish, Add	*1.12*	
		For Black Color Class I Anodized Finish, Add	*3.36*	
08 43 13 00-0025	SF	9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.92	9.04
		For Various Color Class I Anodized Finish, Add	*1.04*	
		For Black Color Class I Anodized Finish, Add	*3.11*	
08 43 13 00-0026	SF	10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.01	8.48
		For Various Color Class I Anodized Finish, Add	*0.97*	
		For Black Color Class I Anodized Finish, Add	*2.91*	
08 43 13 00-0027	SF	11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.42	8.02
		For Various Color Class I Anodized Finish, Add	*0.92*	
		For Black Color Class I Anodized Finish, Add	*2.75*	
08 43 13 00-0028	SF	12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.09	7.67
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.61*	

08 43 13 00-0029 2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0030	SF	5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.86	8.82
		For Various Color Class I Anodized Finish, Add	*0.99*	
		For Black Color Class I Anodized Finish, Add	*2.98*	
08 43 13 00-0031	SF	6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.84	7.91
		For Various Color Class I Anodized Finish, Add	*0.89*	
		For Black Color Class I Anodized Finish, Add	*2.67*	
08 43 13 00-0032	SF	7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.56	7.33
		For Various Color Class I Anodized Finish, Add	*0.81*	
		For Black Color Class I Anodized Finish, Add	*2.44*	
08 43 13 00-0033	SF	8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.93	6.87
		For Various Color Class I Anodized Finish, Add	*0.76*	
		For Black Color Class I Anodized Finish, Add	*2.27*	
08 43 13 00-0034	SF	9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.63	6.41
		For Various Color Class I Anodized Finish, Add	*0.71*	
		For Black Color Class I Anodized Finish, Add	*2.14*	
08 43 13 00-0035	SF	10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.70	6.18
		For Various Color Class I Anodized Finish, Add	*0.68*	
		For Black Color Class I Anodized Finish, Add	*2.03*	
08 43 13 00-0036	SF	11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.75	5.95
		For Various Color Class I Anodized Finish, Add	*0.65*	
		For Black Color Class I Anodized Finish, Add	*1.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0037	SF	12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.12	5.73
		For Various Color Class I Anodized Finish, Add	*0.63*	
		For Black Color Class I Anodized Finish, Add	*1.88*	

08 43 13 00-0038 2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0039	SF	5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	39.65	11.91
		For Various Color Class I Anodized Finish, Add	*1.29*	
		For Black Color Class I Anodized Finish, Add	*3.88*	
08 43 13 00-0040	SF	6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.88	10.53
		For Various Color Class I Anodized Finish, Add	*1.14*	
		For Black Color Class I Anodized Finish, Add	*3.41*	
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.54	9.51
		For Various Color Class I Anodized Finish, Add	*1.03*	
		For Black Color Class I Anodized Finish, Add	*3.08*	
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.00	8.82
		For Various Color Class I Anodized Finish, Add	*0.94*	
		For Black Color Class I Anodized Finish, Add	*2.83*	
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.14	8.25
		For Various Color Class I Anodized Finish, Add	*0.88*	
		For Black Color Class I Anodized Finish, Add	*2.64*	
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.46	7.78
		For Various Color Class I Anodized Finish, Add	*0.83*	
		For Black Color Class I Anodized Finish, Add	*2.48*	
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.19	7.33
		For Various Color Class I Anodized Finish, Add	*0.78*	
		For Black Color Class I Anodized Finish, Add	*2.35*	
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.14	6.99
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.25*	

08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	47.93	14.20
		For Various Color Class I Anodized Finish, Add	*1.59*	
		For Black Color Class I Anodized Finish, Add	*4.77*	
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	41.88	12.37
		For Various Color Class I Anodized Finish, Add	*1.39*	
		For Black Color Class I Anodized Finish, Add	*4.16*	
08 43 13 00-0050	SF	7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.50	11.11
		For Various Color Class I Anodized Finish, Add	*1.24*	
		For Black Color Class I Anodized Finish, Add	*3.72*	
08 43 13 00-0051	SF	8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.29	10.19
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.39*	
08 43 13 00-0052	SF	9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.73	9.40
		For Various Color Class I Anodized Finish, Add	*1.04*	
		For Black Color Class I Anodized Finish, Add	*3.13*	
08 43 13 00-0053	SF	10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.67	8.82
		For Various Color Class I Anodized Finish, Add	*0.98*	
		For Black Color Class I Anodized Finish, Add	*2.93*	
08 43 13 00-0054	SF	11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.05	8.36
		For Various Color Class I Anodized Finish, Add	*0.92*	
		For Black Color Class I Anodized Finish, Add	*2.76*	
08 43 13 00-0055	SF	12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.58	8.02
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.62*	

08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0057	SF	5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.01	9.04
		For Various Color Class I Anodized Finish, Add	*1.40*	
		For Black Color Class I Anodized Finish, Add	*4.21*	
08 43 13 00-0058	SF	6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.29	8.14
		For Various Color Class I Anodized Finish, Add	*1.26*	
		For Black Color Class I Anodized Finish, Add	*3.79*	
08 43 13 00-0059	SF	7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.69	7.44
		For Various Color Class I Anodized Finish, Add	*1.16*	
		For Black Color Class I Anodized Finish, Add	*3.48*	
08 43 13 00-0060	SF	8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.74	6.99
		For Various Color Class I Anodized Finish, Add	*1.09*	
		For Black Color Class I Anodized Finish, Add	*3.26*	
08 43 13 00-0061	SF	9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.19	6.65
		For Various Color Class I Anodized Finish, Add	*1.03*	
		For Black Color Class I Anodized Finish, Add	*3.08*	
08 43 13 00-0062	SF	10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.95	6.30
		For Various Color Class I Anodized Finish, Add	*0.98*	
		For Black Color Class I Anodized Finish, Add	*2.94*	
08 43 13 00-0063	SF	11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.97	6.07
		For Various Color Class I Anodized Finish, Add	*0.94*	
		For Black Color Class I Anodized Finish, Add	*2.82*	
08 43 13 00-0064	SF	12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.09	5.84
		For Various Color Class I Anodized Finish, Add	*0.91*	
		For Black Color Class I Anodized Finish, Add	*2.73*	

08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0066	SF	5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	48.89	12.15
		For Various Color Class I Anodized Finish, Add	*1.83*	
		For Black Color Class I Anodized Finish, Add	*5.48*	
08 43 13 00-0067	SF	6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	43.18	10.77
		For Various Color Class I Anodized Finish, Add	*1.62*	
		For Black Color Class I Anodized Finish, Add	*4.85*	
08 43 13 00-0068	SF	7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	39.17	9.74
		For Various Color Class I Anodized Finish, Add	*1.46*	
		For Black Color Class I Anodized Finish, Add	*4.39*	
08 43 13 00-0069	SF	8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	36.14	8.93
		For Various Color Class I Anodized Finish, Add	*1.35*	
		For Black Color Class I Anodized Finish, Add	*4.05*	
08 43 13 00-0070	SF	9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.75	8.36
		For Various Color Class I Anodized Finish, Add	*1.26*	
		For Black Color Class I Anodized Finish, Add	*3.79*	
08 43 13 00-0071	SF	10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.88	7.91
		For Various Color Class I Anodized Finish, Add	*1.19*	
		For Black Color Class I Anodized Finish, Add	*3.57*	
08 43 13 00-0072	SF	11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.35	7.56
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.40*	
08 43 13 00-0073	SF	12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.98	7.22
		For Various Color Class I Anodized Finish, Add	*1.09*	
		For Black Color Class I Anodized Finish, Add	*3.26*	

08 43 13 00-0074 2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0075	SF	5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	58.94	14.20
		For Various Color Class I Anodized Finish, Add	*2.25*	
		For Black Color Class I Anodized Finish, Add	*6.75*	
08 43 13 00-0076	SF	6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	51.82	12.60
		For Various Color Class I Anodized Finish, Add	*1.97*	
		For Black Color Class I Anodized Finish, Add	*5.91*	
08 43 13 00-0077	SF	7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	46.52	11.34
		For Various Color Class I Anodized Finish, Add	*1.77*	
		For Black Color Class I Anodized Finish, Add	*5.30*	
08 43 13 00-0078	SF	8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	42.62	10.31
		For Various Color Class I Anodized Finish, Add	*1.62*	
		For Black Color Class I Anodized Finish, Add	*4.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0079	SF	9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	39.51	9.62
		For Various Color Class I Anodized Finish, Add	*1.50*	
		For Black Color Class I Anodized Finish, Add	*4.49*	
08 43 13 00-0080	SF	10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.03	9.04
		For Various Color Class I Anodized Finish, Add	*1.40*	
		For Black Color Class I Anodized Finish, Add	*4.21*	
08 43 13 00-0081	SF	11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.95	8.48
		For Various Color Class I Anodized Finish, Add	*1.33*	
		For Black Color Class I Anodized Finish, Add	*3.98*	
08 43 13 00-0082	SF	12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.31	8.14
		For Various Color Class I Anodized Finish, Add	*1.26*	
		For Black Color Class I Anodized Finish, Add	*3.79*	

08 43 13 00-0083 Accessories For Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

08 43 13 00-0084	LF	For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	37.74	7.62
08 43 13 00-0085	LF	For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	43.01	8.39
08 43 13 00-0086	LF	For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing	65.72	9.22

08 43 19 Stainless-Steel-Framed Storefronts *(08 43)*

08 43 19 00-0001 Stainless Steel Storefront Framing Assembly *(08 43 19)*

Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.

08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	55.59	5.73
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*4.69*	

08 44 Curtain Wall and Glazed Assemblies *(08 40)*

08 44 13 Glazed Aluminum Curtain Walls *(08 44)*

08 44 13 00-0001 Curtain Walls *(08 44 13)*

08 44 13 00-0002 Coping Sections *(08 44 13 00-0001)*

08 44 13 00-0003	LF	Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	71.08	3.43
		For Bronze Anodized Aluminum, Add	*7.65*	
		For Stainless Steel, Add	*31.60*	
		For Black Anodized Finish, Add	*13.77*	
08 44 13 00-0004	LF	Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	73.80	3.43
		For Bronze Anodized Aluminum, Add	*8.06*	
		For Stainless Steel, Add	*33.23*	
		For Black Anodized Finish, Add	*14.50*	
08 44 13 00-0005	LF	Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	88.78	4.58
		For Bronze Anodized Aluminum, Add	*9.56*	
		For Stainless Steel, Add	*39.50*	
		For Black Anodized Finish, Add	*17.21*	

08 44 13 00-0006 Sill Section *(08 44 13 00-0001)*

08 44 13 00-0007	LF	Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	59.81	2.29
		For Bronze Anodized Aluminum, Add	*6.85*	
		For Stainless Steel, Add	*28.11*	
		For Black Anodized Finish, Add	*12.33*	
08 44 13 00-0008	LF	Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	64.69	2.29
		For Bronze Anodized Aluminum, Add	*7.58*	
		For Stainless Steel, Add	*31.04*	
		For Black Anodized Finish, Add	*13.65*	
08 44 13 00-0009	LF	Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	69.63	2.29
		For Bronze Anodized Aluminum, Add	*8.32*	
		For Stainless Steel, Add	*34.00*	
		For Black Anodized Finish, Add	*14.98*	

08 44 13 00-0010 Aluminum Column Covers *(08 44 13 00-0001)*

Note: Includes all clips and fasteners.

08 44 13 00-0011	LF	Aluminum Column Covers, 1/8" x 26", Shaped	143.66	5.73
		For Bronze Anodized Aluminum, Add	*16.71*	
		For Stainless Steel, Add	*68.45*	
		For Black Anodized Finish, Add	*30.08*	
08 44 13 00-0012	LF	Aluminum Column Covers, 1/8" x 34", Shaped	176.40	5.73
		For Bronze Anodized Aluminum, Add	*21.33*	
		For Stainless Steel, Add	*87.04*	
		For Black Anodized Finish, Add	*38.40*	
08 44 13 00-0013	LF	Aluminum Column Covers, 1/8" x 38", Shaped	189.01	5.73
		For Bronze Anodized Aluminum, Add	*23.22*	
		For Stainless Steel, Add	*94.60*	
		For Black Anodized Finish, Add	*41.80*	

08 44 13 00-0014 Spandrel Covers *(08 44 13 00-0001)*

Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0015	SF	1" Spandrel Cover, Aluminum Both Faces	57.94	2.29
		For Bronze Anodized Aluminum, Add	*7.25*	
		For Stainless Steel, Add	*29.47*	
		For Black Anodized Finish, Add	*13.04*	
08 44 13 00-0016	SF	1" Spandrel Cover, Aluminum Exterior Face	50.77	2.29
		For Bronze Anodized Aluminum, Add	*6.17*	
		For Stainless Steel, Add	*25.17*	
		For Black Anodized Finish, Add	*11.11*	
08 44 13 00-0017	SF	1" Spandrel Cover, Epoxy Both Faces	110.12	2.29
		For Bronze Anodized Aluminum, Add	*15.07*	
		For Stainless Steel, Add	*60.78*	
		For Black Anodized Finish, Add	*27.13*	
08 44 13 00-0018	SF	1" Spandrel Cover, Epoxy Exterior Face Only	89.91	2.29
		For Bronze Anodized Aluminum, Add	*12.04*	
		For Stainless Steel, Add	*48.65*	
		For Black Anodized Finish, Add	*21.68*	
08 44 13 00-0019	SF	2" Spandrel Cover, Aluminum Both Faces	65.12	2.29
		For Bronze Anodized Aluminum, Add	*7.95*	
		For Stainless Steel, Add	*32.40*	
		For Black Anodized Finish, Add	*14.31*	
08 44 13 00-0020	SF	2" Spandrel Cover, Aluminum Exterior Face	58.34	2.29
		For Bronze Anodized Aluminum, Add	*6.93*	
		For Stainless Steel, Add	*28.33*	
		For Black Anodized Finish, Add	*12.48*	
08 44 13 00-0021	SF	2" Spandrel Cover, Epoxy Both Faces	125.86	2.29
		For Bronze Anodized Aluminum, Add	*17.06*	
		For Stainless Steel, Add	*68.84*	
		For Black Anodized Finish, Add	*30.71*	
08 44 13 00-0022	SF	2" Spandrel Cover, Epoxy Exterior Face Only	102.54	2.29
		For Bronze Anodized Aluminum, Add	*13.56*	
		For Stainless Steel, Add	*54.85*	
		For Black Anodized Finish, Add	*24.41*	

08 44 13 00-0023 Curtain Wall, Aluminum System Framing Sections *(08 44 13 00-0001)*

Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.

08 44 13 00-0024	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls	86.53	2.29
		For Bronze Anodized Aluminum, Add	*11.62*	
		For Stainless Steel, Add	*46.92*	
		For Black Anodized Finish, Add	*20.91*	
08 44 13 00-0025	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	86.35	2.29
		For Bronze Anodized Aluminum, Add	*11.62*	
		For Stainless Steel, Add	*46.91*	
		For Black Anodized Finish, Add	*20.91*	
08 44 13 00-0026	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	86.35	2.29
		For Bronze Anodized Aluminum, Add	*11.62*	
		For Stainless Steel, Add	*46.91*	
		For Black Anodized Finish, Add	*20.91*	
		For Corner Mullion, Add	*20.70*	
08 44 13 00-0027	LF	Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls	106.28	4.58
		For Bronze Anodized Aluminum, Add	*13.88*	
		For Stainless Steel, Add	*56.21*	
		For Black Anodized Finish, Add	*24.98*	
08 44 13 00-0028	LF	Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	106.28	4.58
		For Bronze Anodized Aluminum, Add	*13.88*	
		For Stainless Steel, Add	*56.21*	
		For Black Anodized Finish, Add	*24.98*	
08 44 13 00-0029	LF	Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	106.28	4.58
		For Bronze Anodized Aluminum, Add	*13.88*	
		For Stainless Steel, Add	*56.21*	
		For Black Anodized Finish, Add	*24.98*	
		For Corner Mullion, Add	*25.20*	
08 44 13 00-0030	LF	Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls	116.68	5.04
		For Bronze Anodized Aluminum, Add	*15.21*	
		For Stainless Steel, Add	*61.61*	
		For Black Anodized Finish, Add	*27.38*	
08 44 13 00-0031	LF	Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	116.68	5.04
		For Bronze Anodized Aluminum, Add	*15.21*	
		For Stainless Steel, Add	*61.61*	
		For Black Anodized Finish, Add	*27.38*	
08 44 13 00-0032	LF	Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	116.68	5.04
		For Bronze Anodized Aluminum, Add	*15.21*	
		For Stainless Steel, Add	*61.61*	
		For Black Anodized Finish, Add	*27.38*	
		For Corner Mullion, Add	*27.64*	
08 44 13 00-0033	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls	127.31	5.73
		For Bronze Anodized Aluminum, Add	*16.55*	
		For Stainless Steel, Add	*67.05*	
		For Black Anodized Finish, Add	*29.79*	
08 44 13 00-0034	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	127.31	5.73
		For Bronze Anodized Aluminum, Add	*16.55*	
		For Stainless Steel, Add	*67.05*	
		For Black Anodized Finish, Add	*29.79*	
08 44 13 00-0035	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	127.31	5.73
		For Bronze Anodized Aluminum, Add	*16.55*	
		For Stainless Steel, Add	*67.05*	
		For Black Anodized Finish, Add	*29.79*	
		For Corner Mullion, Add	*30.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0036	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls	142.96	6.18
		For Bronze Anodized Aluminum, Add	*18.67*	
		For Stainless Steel, Add	*75.59*	
		For Black Anodized Finish, Add	*33.60*	
08 44 13 00-0037	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	142.96	6.18
		For Bronze Anodized Aluminum, Add	*18.67*	
		For Stainless Steel, Add	*75.59*	
		For Black Anodized Finish, Add	*33.60*	
08 44 13 00-0038	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	142.96	6.18
		For Bronze Anodized Aluminum, Add	*18.67*	
		For Stainless Steel, Add	*75.59*	
		For Black Anodized Finish, Add	*33.60*	
		For Corner Mullion, Add	*33.89*	
08 44 13 00-0039	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls	164.12	6.87
		For Bronze Anodized Aluminum, Add	*21.43*	
		For Stainless Steel, Add	*86.78*	
		For Black Anodized Finish, Add	*38.57*	
08 44 13 00-0040	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	164.12	6.87
		For Bronze Anodized Aluminum, Add	*21.43*	
		For Stainless Steel, Add	*86.78*	
		For Black Anodized Finish, Add	*38.57*	
08 44 13 00-0041	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	164.12	6.87
		For Bronze Anodized Aluminum, Add	*21.43*	
		For Stainless Steel, Add	*86.78*	
		For Black Anodized Finish, Add	*38.57*	
		For Corner Mullion, Add	*38.91*	

08 44 26 Structural Glass Curtain Walls *(08 44)*

08 44 26 16 Metal Framed Point Supported Glass Curtain Walls *(08 44 26)*

08 44 26 16-0001 Centria Exterior Closure Components *(08 44 26 16)*

08 44 26 16-0002	SF	Centria CS-260, 210 Single Skin Metal Panel Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.	71.98	21.73
08 44 26 16-0003	SF	Centria Formawall Insulated Metal Panels Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.	116.64	18.11
08 44 26 16-0004	LF	Centria Formawall Insulated Metal Panels Radius Column Note: Includes radius coping.	191.82	30.18
08 44 26 16-0005	LF	Centria Formawall Insulated Metal Panels Coping	38.36	6.03
08 44 26 16-0006	SF	Centria Formawavue 3000 Thru Tube Window System Without Glass Note: 20 PSF wind load with 70% Mica Kynar two coat finish factory installed.	134.64	28.97
08 44 26 16-0007	SF	Centria Formawavue 3000 Insulated Vision Units Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.	24.46	
08 44 26 16-0008	SF	Centria Formawavue 3000 Insulated Silkscreen Pattern Units Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.	47.33	
08 44 26 16-0009	LF	Centria Integrated Louver System Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.	294.08	18.11
08 44 26 16-0010	LF	Centria Integrated Sunshade System Note: Factory installed 70% Mica Kynar two coat finish.	1,363.78	127.95

08 44 26 16-0011 Kalwall Exterior Closure Components *(08 44 26 16)*

08 44 26 16-0012	SF	Kalwall Translucent Panel System Standard Note: 25 PSF wind load. Factory installed 70% Mica Kynar two coat finish.	165.49	24.14
08 44 26 16-0013	SF	Kalwall Translucent Panel System High Impact	172.25	24.14
08 44 26 16-0014	EA	Wind Clips Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.	394.41	
08 44 26 16-0015	EA	Sill Angle With Welded Support Angles For The Kalwall System Note: Includes all welding, fasteners, prep, and clean up.	460.15	
08 44 26 16-0016	EA	Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5")	21.04	
08 44 26 16-0017	EA	Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5")	92.03	

08 45 Translucent Wall and Roof Assemblies *(08 40)*

08 45 23 Fiberglass-Sandwich-Panel Assemblies *(08 45)*

08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick *(08 45 23)*

08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	139.43	6.53
		For Aluminum Frame, Add	*12.96*	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	127.76	5.56
		For Aluminum Frame, Add	*11.94*	

08 50 Windows *(08)*

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows *(08 50)*

08 51 13 Aluminum Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 51 13 00-0001 Aluminum Windows *(08 51 13)*

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) *(08 51 13 00-0002)*

08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,261.15	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*62.65*	
		For Clear Anodized Finish, Add	*52.21*	
		For Color Anodized Finish, Add	*73.09*	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,435.88	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.32*	
		For Clear Anodized Finish, Add	*60.26*	
		For Color Anodized Finish, Add	*84.37*	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,582.58	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*80.31*	
		For Clear Anodized Finish, Add	*66.92*	
		For Color Anodized Finish, Add	*93.69*	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,701.26	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.61*	
		For Clear Anodized Finish, Add	*72.18*	
		For Color Anodized Finish, Add	*101.05*	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,988.12	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*34.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*103.01*	
		For Clear Anodized Finish, Add	*85.84*	
		For Color Anodized Finish, Add	*120.18*	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	65.39	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.44*	
		For Clear Anodized Finish, Add	*2.86*	
		For Color Anodized Finish, Add	*4.01*	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) *(08 51 13 00-0002)*

08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,003.94	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*107.21*	
		For Clear Anodized Finish, Add	*89.35*	
		For Color Anodized Finish, Add	*125.08*	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,241.74	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*120.67*	
		For Clear Anodized Finish, Add	*100.56*	
		For Color Anodized Finish, Add	*140.78*	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,437.49	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*131.60*	
		For Clear Anodized Finish, Add	*109.67*	
		For Color Anodized Finish, Add	*153.53*	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,626.24	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*142.11*	
		For Clear Anodized Finish, Add	*118.43*	
		For Color Anodized Finish, Add	*165.80*	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	3,165.37	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*173.64*	
		For Clear Anodized Finish, Add	*144.70*	
		For Color Anodized Finish, Add	*202.58*	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	104.63	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.79*	
		For Clear Anodized Finish, Add	*4.82*	
		For Color Anodized Finish, Add	*6.75*	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,130.07	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*114.78*	
		For Clear Anodized Finish, Add	*95.65*	
		For Color Anodized Finish, Add	*133.91*	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,416.92	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*131.18*	
		For Clear Anodized Finish, Add	*109.32*	
		For Color Anodized Finish, Add	*153.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,647.71	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*48.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*144.21*	
		For Clear Anodized Finish, Add	*120.18*	
		For Color Anodized Finish, Add	*168.25*	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,871.51	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*156.83*	
		For Clear Anodized Finish, Add	*130.69*	
		For Color Anodized Finish, Add	*182.96*	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	3,466.69	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*63.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*191.72*	
		For Clear Anodized Finish, Add	*159.77*	
		For Color Anodized Finish, Add	*223.68*	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	114.65	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.39*	
		For Clear Anodized Finish, Add	*5.33*	
		For Color Anodized Finish, Add	*7.46*	

08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,368.32	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*129.08*	
		For Clear Anodized Finish, Add	*107.56*	
		For Color Anodized Finish, Add	*150.59*	
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,746.27	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*150.94*	
		For Clear Anodized Finish, Add	*125.78*	
		For Color Anodized Finish, Add	*176.10*	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,984.07	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*54.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*164.39*	
		For Clear Anodized Finish, Add	*137.00*	
		For Color Anodized Finish, Add	*191.79*	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	3,207.86	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*177.01*	
		For Clear Anodized Finish, Add	*147.51*	
		For Color Anodized Finish, Add	*206.51*	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	3,754.00	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*69.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*208.96*	
		For Clear Anodized Finish, Add	*174.14*	
		For Color Anodized Finish, Add	*243.79*	
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	124.25	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.97*	
		For Clear Anodized Finish, Add	*5.81*	
		For Color Anodized Finish, Add	*8.13*	

08 51 13 00-0031 Double Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) *(08 51 13 00-0031)*

08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,450.35	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.67*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.00*	
		For Clear Anodized Finish, Add	*61.67*	
		For Color Anodized Finish, Add	*86.33*	
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,618.07	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*83.25*	
		For Clear Anodized Finish, Add	*69.37*	
		For Color Anodized Finish, Add	*97.12*	
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,757.77	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*90.82*	
		For Clear Anodized Finish, Add	*75.68*	
		For Color Anodized Finish, Add	*105.95*	
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,904.48	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*98.81*	
		For Clear Anodized Finish, Add	*82.34*	
		For Color Anodized Finish, Add	*115.27*	
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	2,261.41	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*119.41*	
		For Clear Anodized Finish, Add	*99.51*	
		For Color Anodized Finish, Add	*139.31*	
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	74.50	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.98*	
		For Clear Anodized Finish, Add	*3.32*	
		For Color Anodized Finish, Add	*4.65*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) *(08 51 13 00-0031)*

08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,849.77	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.96*	
		For Clear Anodized Finish, Add	*81.64*	
		For Color Anodized Finish, Add	*114.29*	
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,171.66	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*116.46*	
		For Clear Anodized Finish, Add	*97.05*	
		For Color Anodized Finish, Add	*135.87*	
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,430.48	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*131.18*	
		For Clear Anodized Finish, Add	*109.32*	
		For Color Anodized Finish, Add	*153.04*	
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,724.35	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*148.00*	
		For Clear Anodized Finish, Add	*123.33*	
		For Color Anodized Finish, Add	*172.66*	
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	3,277.49	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*60.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*180.37*	
		For Clear Anodized Finish, Add	*150.31*	
		For Color Anodized Finish, Add	*210.43*	
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	108.35	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.01*	
		For Clear Anodized Finish, Add	*5.01*	
		For Color Anodized Finish, Add	*7.01*	

08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) *(08 51 13 00-0031)*

08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,403.36	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*131.18*	
		For Clear Anodized Finish, Add	*109.32*	
		For Color Anodized Finish, Add	*153.04*	
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,781.31	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*153.04*	
		For Clear Anodized Finish, Add	*127.54*	
		For Color Anodized Finish, Add	*178.55*	
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	3,096.19	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*171.12*	
		For Clear Anodized Finish, Add	*142.60*	
		For Color Anodized Finish, Add	*199.64*	
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	3,404.07	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*62.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*188.78*	
		For Clear Anodized Finish, Add	*157.32*	
		For Color Anodized Finish, Add	*220.24*	
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	4,167.44	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*77.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*233.77*	
		For Clear Anodized Finish, Add	*194.81*	
		For Color Anodized Finish, Add	*272.73*	
08 51 13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	137.99	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.79*	
		For Clear Anodized Finish, Add	*6.49*	
		For Color Anodized Finish, Add	*9.09*	

08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) *(08 51 13 00-0031)*

08 51 13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,895.49	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*73.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*219.89*	
		For Clear Anodized Finish, Add	*183.24*	
		For Color Anodized Finish, Add	*256.54*	
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	4,280.45	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*80.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*242.18*	
		For Clear Anodized Finish, Add	*201.81*	
		For Color Anodized Finish, Add	*282.54*	
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	4,735.48	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*89.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*268.67*	
		For Clear Anodized Finish, Add	*223.89*	
		For Color Anodized Finish, Add	*313.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	5,512.87	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*104.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*314.49*	
		For Clear Anodized Finish, Add	*262.08*	
		For Color Anodized Finish, Add	*366.91*	
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	182.63	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.47*	
		For Clear Anodized Finish, Add	*8.72*	
		For Color Anodized Finish, Add	*12.21*	

08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) *(08 51 13 00-0031)*

08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,479.17	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*104.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*314.91*	
		For Clear Anodized Finish, Add	*262.43*	
		For Color Anodized Finish, Add	*367.40*	
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,913.18	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*113.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*340.14*	
		For Clear Anodized Finish, Add	*283.45*	
		For Color Anodized Finish, Add	*396.83*	
08 51 13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	6,410.26	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*123.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*369.15*	
		For Clear Anodized Finish, Add	*307.63*	
		For Color Anodized Finish, Add	*430.68*	
08 51 13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	7,285.75	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*140.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*420.87*	
		For Clear Anodized Finish, Add	*350.72*	
		For Color Anodized Finish, Add	*491.01*	
08 51 13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	242.19	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.04*	
		For Clear Anodized Finish, Add	*11.70*	
		For Color Anodized Finish, Add	*16.38*	

08 51 13 00-0065 Horizontal Sliding Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0066 One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0067 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) *(08 51 13 00-0066)*

08 51 13 00-0068	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,296.19	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.75*	
		For Clear Anodized Finish, Add	*53.96*	
		For Color Anodized Finish, Add	*75.54*	
08 51 13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,477.92	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.84*	
		For Clear Anodized Finish, Add	*62.37*	
		For Color Anodized Finish, Add	*87.31*	
08 51 13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,610.61	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*81.99*	
		For Clear Anodized Finish, Add	*68.32*	
		For Color Anodized Finish, Add	*95.65*	
08 51 13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,750.31	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.55*	
		For Clear Anodized Finish, Add	*74.63*	
		For Color Anodized Finish, Add	*104.48*	
08 51 13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	2,051.19	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*106.79*	
		For Clear Anodized Finish, Add	*88.99*	
		For Color Anodized Finish, Add	*124.59*	
08 51 13 00-0073	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	67.49	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.56*	
		For Clear Anodized Finish, Add	*2.97*	
		For Color Anodized Finish, Add	*4.15*	

08 51 13 00-0074 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) *(08 51 13 00-0066)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,186.13	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*118.15*	
		For Clear Anodized Finish, Add	*98.45*	
		For Color Anodized Finish, Add	*137.84*	
08 51 13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,479.99	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*134.96*	
		For Clear Anodized Finish, Add	*112.47*	
		For Color Anodized Finish, Add	*157.46*	
08 51 13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,710.78	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*148.00*	
		For Clear Anodized Finish, Add	*123.33*	
		For Color Anodized Finish, Add	*172.66*	
08 51 13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,934.57	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*53.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*160.61*	
		For Clear Anodized Finish, Add	*133.84*	
		For Color Anodized Finish, Add	*187.38*	
08 51 13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	3,438.66	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*63.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*190.04*	
		For Clear Anodized Finish, Add	*158.37*	
		For Color Anodized Finish, Add	*221.72*	
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	113.74	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.34*	
		For Clear Anodized Finish, Add	*5.28*	
		For Color Anodized Finish, Add	*7.39*	

08 51 13 00-0081 Two Rolling Sashes, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0082 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) *(08 51 13 00-0081)*

08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,478.38	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*75.68*	
		For Clear Anodized Finish, Add	*63.07*	
		For Color Anodized Finish, Add	*88.29*	
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,716.18	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.13*	
		For Clear Anodized Finish, Add	*74.28*	
		For Color Anodized Finish, Add	*103.99*	
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,869.89	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.54*	
		For Clear Anodized Finish, Add	*81.29*	
		For Color Anodized Finish, Add	*113.80*	
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,995.58	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*34.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*104.27*	
		For Clear Anodized Finish, Add	*86.89*	
		For Color Anodized Finish, Add	*121.65*	
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	2,338.49	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.03*	
		For Clear Anodized Finish, Add	*103.36*	
		For Color Anodized Finish, Add	*144.70*	
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	77.02	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.13*	
		For Clear Anodized Finish, Add	*3.44*	
		For Color Anodized Finish, Add	*4.82*	

08 51 13 00-0089 Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0090 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) *(08 51 13 00-0089)*

08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	4,134.20	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*78.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*235.03*	
		For Clear Anodized Finish, Add	*195.86*	
		For Color Anodized Finish, Add	*274.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	4,756.73	150.57
		For 50% Fluoropolymer Finish (Acrynar), Add	*90.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*270.35*	
		For Clear Anodized Finish, Add	*225.29*	
		For Color Anodized Finish, Add	*315.40*	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	5,148.70	158.71
		For 50% Fluoropolymer Finish (Acrynar), Add	*97.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*293.05*	
		For Clear Anodized Finish, Add	*244.21*	
		For Color Anodized Finish, Add	*341.89*	
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	6,247.74	179.05
		For 50% Fluoropolymer Finish (Acrynar), Add	*118.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*356.96*	
		For Clear Anodized Finish, Add	*297.47*	
		For Color Anodized Finish, Add	*416.45*	
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	7,220.43	203.47
		For 50% Fluoropolymer Finish (Acrynar), Add	*137.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*412.88*	
		For Clear Anodized Finish, Add	*344.07*	
		For Color Anodized Finish, Add	*481.69*	
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	122.78	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.88*	
		For Clear Anodized Finish, Add	*5.73*	
		For Color Anodized Finish, Add	*8.02*	

08 51 13 00-0097 Fixed Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0098 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) *(08 51 13 00-0097)*

08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	966.84	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.99*	
		For Clear Anodized Finish, Add	*37.49*	
		For Color Anodized Finish, Add	*52.49*	
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,120.54	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.40*	
		For Clear Anodized Finish, Add	*44.50*	
		For Color Anodized Finish, Add	*62.30*	
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,183.16	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.34*	
		For Clear Anodized Finish, Add	*46.95*	
		For Color Anodized Finish, Add	*65.73*	
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,245.78	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*59.28*	
		For Clear Anodized Finish, Add	*49.40*	
		For Color Anodized Finish, Add	*69.16*	
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,714.83	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.61*	
		For Clear Anodized Finish, Add	*72.18*	
		For Color Anodized Finish, Add	*101.05*	
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	56.28	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.89*	
		For Clear Anodized Finish, Add	*2.41*	
		For Color Anodized Finish, Add	*3.37*	

08 51 13 00-0105 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) *(08 51 13 00-0097)*

08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,275.16	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*63.49*	
		For Clear Anodized Finish, Add	*52.91*	
		For Color Anodized Finish, Add	*74.07*	
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,477.92	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.84*	
		For Clear Anodized Finish, Add	*62.37*	
		For Color Anodized Finish, Add	*87.31*	
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,596.60	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*81.15*	
		For Clear Anodized Finish, Add	*67.62*	
		For Color Anodized Finish, Add	*94.67*	
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,722.29	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*87.87*	
		For Clear Anodized Finish, Add	*73.23*	
		For Color Anodized Finish, Add	*102.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	2,338.49	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.03*	
		For Clear Anodized Finish, Add	*103.36*	
		For Color Anodized Finish, Add	*144.70*	
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	77.02	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.13*	
		For Clear Anodized Finish, Add	*3.44*	
		For Color Anodized Finish, Add	*4.82*	

08 51 13 00-0112 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) *(08 51 13 00-0097)*

08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,064.94	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.87*	
		For Clear Anodized Finish, Add	*42.40*	
		For Color Anodized Finish, Add	*59.35*	
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,267.70	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*62.23*	
		For Clear Anodized Finish, Add	*51.86*	
		For Color Anodized Finish, Add	*72.60*	
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,372.36	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.69*	
		For Clear Anodized Finish, Add	*56.41*	
		For Color Anodized Finish, Add	*78.97*	
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,484.03	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*73.58*	
		For Clear Anodized Finish, Add	*61.32*	
		For Color Anodized Finish, Add	*85.84*	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	2,065.20	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*107.63*	
		For Clear Anodized Finish, Add	*89.70*	
		For Color Anodized Finish, Add	*125.57*	
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	67.91	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.59*	
		For Clear Anodized Finish, Add	*2.99*	
		For Color Anodized Finish, Add	*4.18*	

08 51 13 00-0119 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) *(08 51 13 00-0097)*

08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,057.93	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.45*	
		For Clear Anodized Finish, Add	*42.04*	
		For Color Anodized Finish, Add	*58.86*	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,239.67	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.54*	
		For Clear Anodized Finish, Add	*50.45*	
		For Color Anodized Finish, Add	*70.63*	
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,344.33	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*66.01*	
		For Clear Anodized Finish, Add	*55.01*	
		For Color Anodized Finish, Add	*77.01*	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,456.00	154.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*71.90*	
		For Clear Anodized Finish, Add	*59.91*	
		For Color Anodized Finish, Add	*83.88*	
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	2,037.17	162.77
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.95*	
		For Clear Anodized Finish, Add	*88.29*	
		For Color Anodized Finish, Add	*123.61*	
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	67.00	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.53*	
		For Clear Anodized Finish, Add	*2.94*	
		For Color Anodized Finish, Add	*4.12*	

08 51 13 00-0126 Projected Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0127 Single Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

08 51 13 00-0128 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0127)*

08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,493.80	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*76.61*	
		For Clear Anodized Finish, Add	*63.84*	
		For Color Anodized Finish, Add	*89.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,624.38	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*83.63*	
		For Clear Anodized Finish, Add	*69.69*	
		For Color Anodized Finish, Add	*97.56*	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,778.79	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*92.08*	
		For Clear Anodized Finish, Add	*76.73*	
		For Color Anodized Finish, Add	*107.42*	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	110.45	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.14*	
		For Clear Anodized Finish, Add	*5.12*	
		For Color Anodized Finish, Add	*7.16*	

08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0127)*

08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,113.32	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*113.78*	
		For Clear Anodized Finish, Add	*94.81*	
		For Color Anodized Finish, Add	*132.74*	
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,346.22	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*126.94*	
		For Clear Anodized Finish, Add	*105.78*	
		For Color Anodized Finish, Add	*148.09*	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,619.68	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*142.53*	
		For Clear Anodized Finish, Add	*118.78*	
		For Color Anodized Finish, Add	*166.29*	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	166.51	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.50*	
		For Clear Anodized Finish, Add	*7.92*	
		For Color Anodized Finish, Add	*11.09*	

08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0127)*

08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,345.69	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*127.72*	
		For Clear Anodized Finish, Add	*106.43*	
		For Color Anodized Finish, Add	*149.01*	
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,616.84	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*143.17*	
		For Clear Anodized Finish, Add	*119.31*	
		For Color Anodized Finish, Add	*167.04*	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,935.02	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*53.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*161.45*	
		For Clear Anodized Finish, Add	*134.54*	
		For Color Anodized Finish, Add	*188.36*	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	187.53	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.76*	
		For Clear Anodized Finish, Add	*8.97*	
		For Color Anodized Finish, Add	*12.56*	

08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0127)*

08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	2,505.74	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*137.32*	
		For Clear Anodized Finish, Add	*114.44*	
		For Color Anodized Finish, Add	*160.21*	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,803.31	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*154.36*	
		For Clear Anodized Finish, Add	*128.64*	
		For Color Anodized Finish, Add	*180.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	3,152.25	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*58.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*174.49*	
		For Clear Anodized Finish, Add	*145.40*	
		For Color Anodized Finish, Add	*203.57*	
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	202.04	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.63*	
		For Clear Anodized Finish, Add	*9.70*	
		For Color Anodized Finish, Add	*13.57*	

08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0127)*

08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,485.07	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*136.08*	
		For Clear Anodized Finish, Add	*113.40*	
		For Color Anodized Finish, Add	*158.76*	
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,779.28	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*152.92*	
		For Clear Anodized Finish, Add	*127.43*	
		For Color Anodized Finish, Add	*178.41*	
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	3,124.22	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*172.80*	
		For Clear Anodized Finish, Add	*144.00*	
		For Color Anodized Finish, Add	*201.60*	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	200.14	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.52*	
		For Clear Anodized Finish, Add	*9.60*	
		For Color Anodized Finish, Add	*13.44*	

08 51 13 00-0153 Fixed Over Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

08 51 13 00-0154 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0153)*

08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,170.15	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.06*	
		For 70% Fluoropolymer Finish (Duranar), Add	*117.19*	
		For Clear Anodized Finish, Add	*97.66*	
		For Color Anodized Finish, Add	*136.72*	
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,412.37	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*130.91*	
		For Clear Anodized Finish, Add	*109.09*	
		For Color Anodized Finish, Add	*152.72*	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,696.76	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*147.16*	
		For Clear Anodized Finish, Add	*122.63*	
		For Color Anodized Finish, Add	*171.68*	
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	171.41	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.80*	
		For Clear Anodized Finish, Add	*8.16*	
		For Color Anodized Finish, Add	*11.43*	

08 51 13 00-0159 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0153)*

08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	3,151.13	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*58.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*176.05*	
		For Clear Anodized Finish, Add	*146.70*	
		For Color Anodized Finish, Add	*205.39*	
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	3,555.21	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*199.48*	
		For Clear Anodized Finish, Add	*166.23*	
		For Color Anodized Finish, Add	*232.72*	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	4,028.18	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*75.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*227.04*	
		For Clear Anodized Finish, Add	*189.20*	
		For Color Anodized Finish, Add	*264.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	260.41	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.14*	
		For Clear Anodized Finish, Add	*12.61*	
		For Color Anodized Finish, Add	*17.66*	

08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0153)*

08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,357.63	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*62.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*188.44*	
		For Clear Anodized Finish, Add	*157.03*	
		For Color Anodized Finish, Add	*219.84*	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,795.78	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*71.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*213.91*	
		For Clear Anodized Finish, Add	*178.26*	
		For Color Anodized Finish, Add	*249.56*	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	4,308.48	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*81.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*243.86*	
		For Clear Anodized Finish, Add	*203.22*	
		For Color Anodized Finish, Add	*284.50*	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	278.63	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.23*	
		For Clear Anodized Finish, Add	*13.52*	
		For Color Anodized Finish, Add	*18.93*	

08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0153)*

08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	3,337.03	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*62.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*187.20*	
		For Clear Anodized Finish, Add	*156.00*	
		For Color Anodized Finish, Add	*218.40*	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	3,771.74	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*70.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*212.47*	
		For Clear Anodized Finish, Add	*177.06*	
		For Color Anodized Finish, Add	*247.88*	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	4,280.45	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*80.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*242.18*	
		For Clear Anodized Finish, Add	*201.81*	
		For Color Anodized Finish, Add	*282.54*	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	277.23	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.15*	
		For Clear Anodized Finish, Add	*13.45*	
		For Color Anodized Finish, Add	*18.84*	

08 51 13 00-0174 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0153)*

08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,657.13	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*68.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*206.41*	
		For Clear Anodized Finish, Add	*172.00*	
		For Color Anodized Finish, Add	*240.81*	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	4,144.68	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*78.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*234.84*	
		For Clear Anodized Finish, Add	*195.70*	
		For Color Anodized Finish, Add	*273.99*	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	4,714.91	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*89.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*268.25*	
		For Clear Anodized Finish, Add	*223.54*	
		For Color Anodized Finish, Add	*312.95*	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	305.96	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.87*	
		For Clear Anodized Finish, Add	*14.89*	
		For Color Anodized Finish, Add	*20.85*	

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0179				Casement Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0180				Single Vent, Casement Aluminum Windows *(08 51 13 00-0179)*		
08 51 13 00-0181				2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0180)*		
	08 51 13 00-0182		EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,746.76	130.22
				For 50% Fluoropolymer Finish (Acrynar), Add	*30.59*	
				For 70% Fluoropolymer Finish (Duranar), Add	*91.78*	
				For Clear Anodized Finish, Add	*76.49*	
				For Color Anodized Finish, Add	*107.08*	
	08 51 13 00-0183		EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,919.11	138.36
				For 50% Fluoropolymer Finish (Acrynar), Add	*33.77*	
				For 70% Fluoropolymer Finish (Duranar), Add	*101.31*	
				For Clear Anodized Finish, Add	*84.43*	
				For Color Anodized Finish, Add	*118.20*	
	08 51 13 00-0184		EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	2,122.15	146.50
				For 50% Fluoropolymer Finish (Acrynar), Add	*37.56*	
				For 70% Fluoropolymer Finish (Duranar), Add	*112.68*	
				For Clear Anodized Finish, Add	*93.90*	
				For Color Anodized Finish, Add	*131.46*	
	08 51 13 00-0185		SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	133.36	4.89
				For 50% Fluoropolymer Finish (Acrynar), Add	*2.50*	
				For 70% Fluoropolymer Finish (Duranar), Add	*7.51*	
				For Clear Anodized Finish, Add	*6.26*	
				For Color Anodized Finish, Add	*8.77*	
08 51 13 00-0186				2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0180)*		
	08 51 13 00-0187		EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,686.46	130.22
				For 50% Fluoropolymer Finish (Acrynar), Add	*49.39*	
				For 70% Fluoropolymer Finish (Duranar), Add	*148.17*	
				For Clear Anodized Finish, Add	*123.47*	
				For Color Anodized Finish, Add	*172.86*	
	08 51 13 00-0188		EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,013.82	138.36
				For 50% Fluoropolymer Finish (Acrynar), Add	*55.66*	
				For 70% Fluoropolymer Finish (Duranar), Add	*166.99*	
				For Clear Anodized Finish, Add	*139.16*	
				For Color Anodized Finish, Add	*194.83*	
	08 51 13 00-0189		EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,397.51	146.50
				For 50% Fluoropolymer Finish (Acrynar), Add	*63.07*	
				For 70% Fluoropolymer Finish (Duranar), Add	*189.20*	
				For Clear Anodized Finish, Add	*157.67*	
				For Color Anodized Finish, Add	*220.73*	
	08 51 13 00-0190		SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	218.36	4.89
				For 50% Fluoropolymer Finish (Acrynar), Add	*4.20*	
				For 70% Fluoropolymer Finish (Duranar), Add	*12.61*	
				For Clear Anodized Finish, Add	*10.51*	
				For Color Anodized Finish, Add	*14.72*	
08 51 13 00-0191				3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0180)*		
	08 51 13 00-0192		EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,701.95	130.22
				For 50% Fluoropolymer Finish (Acrynar), Add	*49.70*	
				For 70% Fluoropolymer Finish (Duranar), Add	*149.09*	
				For Clear Anodized Finish, Add	*124.25*	
				For Color Anodized Finish, Add	*173.94*	
	08 51 13 00-0193		EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,031.89	138.36
				For 50% Fluoropolymer Finish (Acrynar), Add	*56.03*	
				For 70% Fluoropolymer Finish (Duranar), Add	*168.08*	
				For Clear Anodized Finish, Add	*140.06*	
				For Color Anodized Finish, Add	*196.09*	
	08 51 13 00-0194		EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,418.53	146.50
				For 50% Fluoropolymer Finish (Acrynar), Add	*63.49*	
				For 70% Fluoropolymer Finish (Duranar), Add	*190.46*	
				For Clear Anodized Finish, Add	*158.72*	
				For Color Anodized Finish, Add	*222.21*	
	08 51 13 00-0195		SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	219.76	4.89
				For 50% Fluoropolymer Finish (Acrynar), Add	*4.23*	
				For 70% Fluoropolymer Finish (Duranar), Add	*12.70*	
				For Clear Anodized Finish, Add	*10.58*	
				For Color Anodized Finish, Add	*14.81*	
08 51 13 00-0196				4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0180)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,862.00	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*158.70*	
		For Clear Anodized Finish, Add	*132.25*	
		For Color Anodized Finish, Add	*185.15*	
08 51 13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	3,218.36	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*179.27*	
		For Clear Anodized Finish, Add	*149.39*	
		For Color Anodized Finish, Add	*209.14*	
08 51 13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	3,635.76	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*67.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*203.50*	
		For Clear Anodized Finish, Add	*169.58*	
		For Color Anodized Finish, Add	*237.41*	
08 51 13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	234.27	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.57*	
		For Clear Anodized Finish, Add	*11.31*	
		For Color Anodized Finish, Add	*15.83*	

08 51 13 00-0201 Fixed Over Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0202 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0201)*

08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	2,030.74	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.82*	
		For Clear Anodized Finish, Add	*90.69*	
		For Color Anodized Finish, Add	*126.96*	
08 51 13 00-0204	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	2,249.93	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*121.16*	
		For Clear Anodized Finish, Add	*100.97*	
		For Color Anodized Finish, Add	*141.35*	
08 51 13 00-0205	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	2,507.56	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*135.80*	
		For Clear Anodized Finish, Add	*113.17*	
		For Color Anodized Finish, Add	*158.44*	
08 51 13 00-0206	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	159.01	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.05*	
		For Clear Anodized Finish, Add	*7.54*	
		For Color Anodized Finish, Add	*10.56*	

08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0201)*

08 51 13 00-0208	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,970.40	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*55.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*165.20*	
		For Clear Anodized Finish, Add	*137.67*	
		For Color Anodized Finish, Add	*192.74*	
08 51 13 00-0209	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,344.64	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*62.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*186.84*	
		For Clear Anodized Finish, Add	*155.70*	
		For Color Anodized Finish, Add	*217.98*	
08 51 13 00-0210	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,782.92	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*70.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*212.33*	
		For Clear Anodized Finish, Add	*176.94*	
		For Color Anodized Finish, Add	*247.71*	
08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	244.08	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.16*	
		For Clear Anodized Finish, Add	*11.80*	
		For Color Anodized Finish, Add	*16.52*	

08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0201)*

08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,316.36	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*61.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*185.96*	
		For Clear Anodized Finish, Add	*154.97*	
		For Color Anodized Finish, Add	*216.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,747.70	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*70.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*211.03*	
		For Clear Anodized Finish, Add	*175.86*	
		For Color Anodized Finish, Add	*246.20*	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	4,252.42	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*80.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*240.50*	
		For Clear Anodized Finish, Add	*200.41*	
		For Color Anodized Finish, Add	*280.58*	
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	275.33	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.03*	
		For Clear Anodized Finish, Add	*13.36*	
		For Color Anodized Finish, Add	*18.70*	

08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0201)*

08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,631.28	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*68.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*204.85*	
		For Clear Anodized Finish, Add	*170.71*	
		For Color Anodized Finish, Add	*239.00*	
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	4,114.61	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add	*77.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*233.04*	
		For Clear Anodized Finish, Add	*194.20*	
		For Color Anodized Finish, Add	*271.88*	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	4,679.87	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add	*88.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*266.14*	
		For Clear Anodized Finish, Add	*221.79*	
		For Color Anodized Finish, Add	*310.50*	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	303.85	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.74*	
		For Clear Anodized Finish, Add	*14.79*	
		For Color Anodized Finish, Add	*20.70*	

08 51 13 00-0222 Aluminum Window Accessories *(08 51 13)*

08 51 13 00-0223 Aluminum Window Mullions *(08 51 13 00-0222)*

08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows	55.89	6.10
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.68*	
		For Clear Anodized Finish, Add	*2.23*	
		For Color Anodized Finish, Add	*3.12*	

08 51 13 00-0225 Aluminum Window Panning *(08 51 13 00-0222)*

Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.

08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning	611.53	49.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*31.72*	
		For Clear Anodized Finish, Add	*26.44*	
		For Color Anodized Finish, Add	*37.01*	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning	819.61	82.79
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.90*	
		For Clear Anodized Finish, Add	*34.08*	
		For Color Anodized Finish, Add	*47.71*	
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning	952.32	124.19
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.72*	
		For Clear Anodized Finish, Add	*37.27*	
		For Color Anodized Finish, Add	*52.17*	
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning	1,097.75	165.58
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*49.31*	
		For Clear Anodized Finish, Add	*41.09*	
		For Color Anodized Finish, Add	*57.52*	
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning	1,382.25	248.37
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*58.10*	
		For Clear Anodized Finish, Add	*48.42*	
		For Color Anodized Finish, Add	*67.78*	
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning	47.51	10.35
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.82*	
		For Clear Anodized Finish, Add	*1.51*	
		For Color Anodized Finish, Add	*2.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0232		**Aluminum Window Muntins, Grilles Or Dividers** *(08 51 13 00-0222)*		
08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	11.01	6.10
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.06*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.17*	
		For Clear Anodized Finish, Add	*0.14*	
		For Color Anodized Finish, Add	*0.20*	
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	19.29	6.10
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.67*	
		For Clear Anodized Finish, Add	*0.56*	
		For Color Anodized Finish, Add	*0.78*	
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	36.28	6.10
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.96*	
		For Clear Anodized Finish, Add	*0.80*	
		For Color Anodized Finish, Add	*1.12*	
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	45.36	6.10
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.34*	
		For Clear Anodized Finish, Add	*1.12*	
		For Color Anodized Finish, Add	*1.56*	
08 51 13 00-0237		**Other Aluminum Window Accessories** *(08 51 13 00-0222)*		
08 51 13 00-0238	EA	Roto Operator For Casement Aluminum Windows	530.38	27.12
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	250.08	27.12
08 51 19		**Stainless-Steel Windows** *(08 51)*		
		See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001		**Stainless Steel Windows Types** *(08 51 19)*		
08 51 19 00-0002		**Industrial** *(08 51 19 00-0001)*		
08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash	121.08	8.14
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash	90.74	8.14
08 51 19 00-0005		**Projected Sash** *(08 51 19 00-0001)*		
08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	126.74	8.14
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	140.16	8.14
08 51 19 00-0008		**Other Type Sash** *(08 51 19 00-0001)*		
08 51 19 00-0009	SF	Double Hung Stainless Steel Window Sash	153.54	8.14
08 51 19 00-0010	SF	Single Hung Stainless Steel Window Sash	107.96	8.14
08 51 19 00-0011	SF	Stainless Steel Picture Window Sash	89.84	8.14
08 51 19 00-0012	SF	Sliding Stainless Steel Window	158.45	8.14
08 51 19 00-0013		**Casements** *(08 51 19 00-0001)*		
08 51 19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	137.38	8.14
08 51 19 00-0015	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	118.52	8.14
08 51 19 00-0016	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed	82.93	8.14
08 51 23		**Steel Windows** *(08 51)*		
		Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001		**Steel Windows** *(08 51 23)*		
08 51 23 00-0002		**Industrial** *(08 51 23 00-0001)*		
08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	86.76	8.14
08 51 23 00-0004	SF	Industrial Steel Window, With Fixed Sash	77.73	8.14
08 51 23 00-0005	SF	Industrial Steel Window, With Operable Security Sash	123.81	8.14
08 51 23 00-0006	SF	Industrial Steel Window, With Fixed Security Sash	105.74	8.14
08 51 23 00-0007		**Projected Sash** *(08 51 23 00-0001)*		
08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	97.52	8.14
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	107.45	8.14
08 51 23 00-0010		**Other Type Sash** *(08 51 23 00-0001)*		
08 51 23 00-0011	SF	Double Hung Steel Window Sash	125.00	8.14
08 51 23 00-0012	SF	Steel Picture Window Sash	54.26	8.14
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	128.91	10.18
08 51 23 00-0014	SF	Single Hung Steel Window Sash	88.72	8.14
08 51 23 00-0015		**Casements** *(08 51 23 00-0001)*		
08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed	112.16	4.07
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed	97.13	4.07
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed	68.79	6.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0019		**Mullions** *(08 51 23 00-0001)*		
08 51 23 00-0020	LF	Open Faced Steel Mullion	41.06	6.10
08 51 23 00-0021	LF	Covered Steel Mullions	69.46	6.10
08 51 23 00-0022		**Removal And Reinstallation Of Metal Window And Frame** *(08 51 23)* Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame	21.22	

08 52 Wood Windows *(08 50)*

08 52 11 Wood Windows *(08 52)*

08 52 11 00-0001		**Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11)* Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002		**30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	374.96	
		For Low-E Insulated Glass, Add	*29.63*	
		For Aluminum Clad Exterior, Add	*31.75*	
08 52 11 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	397.79	
		For Low-E Insulated Glass, Add	*31.76*	
		For Aluminum Clad Exterior, Add	*34.03*	
08 52 11 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	422.13	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	435.07	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	446.47	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	460.94	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	467.83	
		For Low-E Insulated Glass, Add	*38.38*	
		For Aluminum Clad Exterior, Add	*41.12*	
08 52 11 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	496.69	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	521.03	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0012		**34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	397.79	
		For Low-E Insulated Glass, Add	*31.76*	
		For Aluminum Clad Exterior, Add	*34.03*	
08 52 11 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	422.13	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	442.68	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	460.94	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	472.35	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	485.28	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	496.69	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	521.03	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	545.39	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0022		**36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	408.83	
		For Low-E Insulated Glass, Add	*33.04*	
		For Aluminum Clad Exterior, Add	*35.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	433.17	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	459.04	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	470.45	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	483.38	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	494.79	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	507.72	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	530.54	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	554.89	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	

08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	424.03	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	448.38	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	474.24	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	487.18	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	498.59	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	511.51	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	522.93	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	547.28	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	571.63	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	

08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	472.35	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	496.69	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	521.03	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	532.45	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	545.39	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	556.79	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	569.73	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	594.06	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	619.95	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	

08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	483.38	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	507.72	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	530.54	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	543.49	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	554.89	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	567.83	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	579.24	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	605.10	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	629.45	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	

08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	498.59	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	522.93	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	547.28	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	558.69	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	571.63	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	583.03	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	595.96	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	621.84	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	646.18	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	522.93	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	547.28	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	571.63	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	583.03	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	595.96	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	608.91	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	621.84	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	646.18	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	670.52	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	545.39	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	569.73	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	594.06	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	607.00	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	619.95	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	631.35	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	644.28	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	668.62	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	691.46	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	

08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	554.89	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	579.24	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	605.10	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	618.05	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	629.45	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	642.38	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	653.80	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	678.14	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	702.48	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	

08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	571.63	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	595.96	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	621.84	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	633.25	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	646.18	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	657.59	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	670.52	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	693.35	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	717.70	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	

08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	595.96	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	621.84	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	646.18	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	657.59	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	670.52	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	681.94	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	693.35	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	717.70	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	742.04	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	

08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	619.95	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	644.28	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	668.62	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	680.04	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	691.46	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	708.90	
		For Low-E Insulated Glass, Add	*62.02*	
		For Aluminum Clad Exterior, Add	*66.45*	
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	717.39	
		For Low-E Insulated Glass, Add	*62.68*	
		For Aluminum Clad Exterior, Add	*67.16*	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	740.14	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	766.00	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	

08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	646.18	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	670.52	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	693.35	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	706.28	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	717.70	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	730.62	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	742.04	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	767.91	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	792.26	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	

08 52 11 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	678.12	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	700.95	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	725.29	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	738.22	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0147	EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	749.64	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0148	EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	762.57	
		For Low-E Insulated Glass, Add	*66.08*	
		For Aluminum Clad Exterior, Add	*70.80*	
08 52 11 00-0149	EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	775.51	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0150	EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	799.85	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	
08 52 11 00-0151	EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	824.19	
		For Low-E Insulated Glass, Add	*72.05*	
		For Aluminum Clad Exterior, Add	*77.20*	

08 52 11 00-0152 Commercial And Institutional Heavy Double Hung Windows *(08 52 11)*
Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.

08 52 11 00-0153	SF	Up To 21 SF Double Hung Wood Window With True Divided Lite	198.74	16.96
		For Insulating Glass, Add	*14.01*	
08 52 11 00-0154	SF	21 To 40 SF Double Hung Wood Window With True Divided Lite	185.27	18.86
		For Insulating Glass, Add	*12.55*	
08 52 11 00-0155	SF	40 SF And Over Double Hung Wood Window With True Divided Lite	172.27	21.16
		For Insulating Glass, Add	*11.04*	

08 52 11 00-0156 Architectural And Historic Reproduction Wood Windows *(08 52 11)*
Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.

08 52 11 00-0157	SF	Up To 21 SF Architectural And Historic Reproduction Wood Window	216.13	16.95
		For Insulating Glass, Add	*15.49*	
08 52 11 00-0158	SF	21 To 40 SF Architectural And Historic Reproduction Wood Window	194.66	18.85
		For Insulating Glass, Add	*13.34*	
08 52 11 00-0159	SF	40 SF And Over Architectural And Historic Reproduction Wood Window	177.77	21.15
		For Insulating Glass, Add	*11.51*	

08 52 11 00-0160 Removal And Reinstallation Of Wood Window And Frame *(08 52 11)*
Note: Includes storage, cleaning and supply materials.

08 52 11 00-0161	SF	Removal And Reinstallation Of Wood Windows And Frames	32.56	

08 52 16 Plastic-Clad Wood Windows *(08 52)*

08 52 16 00-0001 Double Hung Wood Clad Windows *(08 52 16)*
Note: Double hung windows feature two movable sashes that operate vertically and open independently.

08 52 16 00-0002 Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0001)*
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0003 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0004	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	433.44	62.39
		For Low-E Insulated Glass, Add	*37.04*	
		For Tempered Clear Insulated Glass, Add	*61.73*	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	458.88	65.11
		For Low-E Insulated Glass, Add	*39.44*	
		For Tempered Clear Insulated Glass, Add	*65.73*	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	482.66	67.82
		For Low-E Insulated Glass, Add	*41.64*	
		For Tempered Clear Insulated Glass, Add	*69.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	506.43	70.54
		For Low-E Insulated Glass, Add	*43.84*	
		For Tempered Clear Insulated Glass, Add	*73.07*	

08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0009	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	469.93	66.47
		For Low-E Insulated Glass, Add	*40.44*	
		For Tempered Clear Insulated Glass, Add	*67.40*	
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	495.38	69.18
		For Low-E Insulated Glass, Add	*42.84*	
		For Tempered Clear Insulated Glass, Add	*71.40*	
08 52 16 00-0011	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	519.16	71.90
		For Low-E Insulated Glass, Add	*45.04*	
		For Tempered Clear Insulated Glass, Add	*75.07*	
08 52 16 00-0012	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	542.94	74.60
		For Low-E Insulated Glass, Add	*47.25*	
		For Tempered Clear Insulated Glass, Add	*78.74*	

08 52 16 00-0013 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0014	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	506.43	70.54
		For Low-E Insulated Glass, Add	*43.84*	
		For Tempered Clear Insulated Glass, Add	*73.07*	
08 52 16 00-0015	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	530.21	73.25
		For Low-E Insulated Glass, Add	*46.05*	
		For Tempered Clear Insulated Glass, Add	*76.74*	
08 52 16 00-0016	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	555.65	75.96
		For Low-E Insulated Glass, Add	*48.45*	
		For Tempered Clear Insulated Glass, Add	*80.75*	
08 52 16 00-0017	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	579.43	78.68
		For Low-E Insulated Glass, Add	*50.65*	
		For Tempered Clear Insulated Glass, Add	*84.42*	

08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0019	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	542.94	74.60
		For Low-E Insulated Glass, Add	*47.25*	
		For Tempered Clear Insulated Glass, Add	*78.74*	
08 52 16 00-0020	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	566.71	77.32
		For Low-E Insulated Glass, Add	*49.45*	
		For Tempered Clear Insulated Glass, Add	*82.41*	
08 52 16 00-0021	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	590.49	80.03
		For Low-E Insulated Glass, Add	*51.65*	
		For Tempered Clear Insulated Glass, Add	*86.08*	
08 52 16 00-0022	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	615.93	82.75
		For Low-E Insulated Glass, Add	*54.05*	
		For Tempered Clear Insulated Glass, Add	*90.09*	

08 52 16 00-0023 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0024	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	536.57	74.60
		For Low-E Insulated Glass, Add	*46.65*	
		For Tempered Clear Insulated Glass, Add	*77.74*	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	560.35	76.64
		For Low-E Insulated Glass, Add	*48.85*	
		For Tempered Clear Insulated Glass, Add	*81.41*	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	585.79	80.03
		For Low-E Insulated Glass, Add	*51.25*	
		For Tempered Clear Insulated Glass, Add	*85.42*	
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	609.57	82.75
		For Low-E Insulated Glass, Add	*53.45*	
		For Tempered Clear Insulated Glass, Add	*89.09*	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	633.35	85.45
		For Low-E Insulated Glass, Add	*55.65*	
		For Tempered Clear Insulated Glass, Add	*92.76*	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	657.12	88.17
		For Low-E Insulated Glass, Add	*57.86*	
		For Tempered Clear Insulated Glass, Add	*96.43*	

08 52 16 00-0030 59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0031	EA	19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	555.65	75.96
		For Low-E Insulated Glass, Add	*48.45*	
		For Tempered Clear Insulated Glass, Add	*80.75*	
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	579.43	78.68
		For Low-E Insulated Glass, Add	*50.65*	
		For Tempered Clear Insulated Glass, Add	*84.42*	
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	603.20	81.39
		For Low-E Insulated Glass, Add	*52.85*	
		For Tempered Clear Insulated Glass, Add	*88.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	626.98	84.10
		For Low-E Insulated Glass, Add	*55.05*	
		For Tempered Clear Insulated Glass, Add	*91.76*	
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	650.75	86.81
		For Low-E Insulated Glass, Add	*57.26*	
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	676.20	89.53
		For Low-E Insulated Glass, Add	*59.66*	
		For Tempered Clear Insulated Glass, Add	*99.43*	

08 52 16 00-0037 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0038	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	615.93	82.75
		For Low-E Insulated Glass, Add	*54.05*	
		For Tempered Clear Insulated Glass, Add	*90.09*	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	639.71	85.45
		For Low-E Insulated Glass, Add	*56.25*	
		For Tempered Clear Insulated Glass, Add	*93.76*	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	663.48	88.17
		For Low-E Insulated Glass, Add	*58.46*	
		For Tempered Clear Insulated Glass, Add	*97.43*	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	687.26	90.89
		For Low-E Insulated Glass, Add	*60.66*	
		For Tempered Clear Insulated Glass, Add	*101.10*	

08 52 16 00-0042 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0043	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	650.75	86.81
		For Low-E Insulated Glass, Add	*57.26*	
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	676.20	89.53
		For Low-E Insulated Glass, Add	*59.66*	
		For Tempered Clear Insulated Glass, Add	*99.43*	
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	699.98	92.24
		For Low-E Insulated Glass, Add	*61.86*	
		For Tempered Clear Insulated Glass, Add	*103.10*	
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	723.77	94.96
		For Low-E Insulated Glass, Add	*64.06*	
		For Tempered Clear Insulated Glass, Add	*106.77*	

08 52 16 00-0047 Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0048 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0049	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	532.17	62.39
		For Tempered Low-E Insulated Glass, Add	*81.75*	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	564.29	64.44
		For Tempered Low-E Insulated Glass, Add	*87.09*	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	598.08	67.14
		For Tempered Low-E Insulated Glass, Add	*92.76*	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	615.81	69.18
		For Tempered Low-E Insulated Glass, Add	*95.76*	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	631.86	70.54
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	647.92	71.90
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	665.65	72.57
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	697.77	75.29
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	731.55	78.00
		For Tempered Low-E Insulated Glass, Add	*115.11*	

08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0059	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	564.29	65.11
		For Tempered Low-E Insulated Glass, Add	*87.09*	
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	598.08	67.14
		For Tempered Low-E Insulated Glass, Add	*92.76*	
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	631.86	69.86
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	647.92	71.90
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	665.65	73.25
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	681.72	74.60
		For Tempered Low-E Insulated Glass, Add	*106.77*	
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	697.77	75.29
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	731.55	78.00
		For Tempered Low-E Insulated Glass, Add	*115.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	765.34	80.71
		For Tempered Low-E Insulated Glass, Add	*120.78*	

08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0069	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	598.08	67.82
		For Tempered Low-E Insulated Glass, Add	*92.76*	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	631.86	69.86
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	665.65	72.57
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	681.72	74.60
		For Tempered Low-E Insulated Glass, Add	*106.77*	
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	697.77	75.96
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	715.50	77.32
		For Tempered Low-E Insulated Glass, Add	*112.44*	
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	731.55	78.00
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	765.34	80.71
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.14	83.42
		For Tempered Low-E Insulated Glass, Add	*126.46*	

08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0079	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	631.86	70.54
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	665.65	72.57
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	697.77	75.29
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	715.50	77.32
		For Tempered Low-E Insulated Glass, Add	*112.44*	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	731.55	78.68
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	747.62	80.03
		For Tempered Low-E Insulated Glass, Add	*117.78*	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	765.34	80.71
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.14	83.42
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	831.26	86.14
		For Tempered Low-E Insulated Glass, Add	*131.80*	

08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0089	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	665.65	73.25
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	697.77	75.29
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	731.55	78.00
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	747.62	80.03
		For Tempered Low-E Insulated Glass, Add	*117.78*	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	765.34	81.39
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	781.40	82.75
		For Tempered Low-E Insulated Glass, Add	*123.45*	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.14	83.42
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	831.26	86.14
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	865.04	88.85
		For Tempered Low-E Insulated Glass, Add	*137.47*	

08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0099	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	697.77	75.96
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	731.55	78.00
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	765.34	80.71
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	781.40	82.75
		For Tempered Low-E Insulated Glass, Add	*123.45*	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.14	84.10
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	815.19	85.45
		For Tempered Low-E Insulated Glass, Add	*129.13*	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	831.26	86.14
		For Tempered Low-E Insulated Glass, Add	*131.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	865.04	88.85
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.83	91.56
		For Tempered Low-E Insulated Glass, Add	*143.14*	

08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0109	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	731.55	78.68
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	765.34	80.71
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.14	83.42
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	815.19	85.45
		For Tempered Low-E Insulated Glass, Add	*129.13*	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	831.26	86.81
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	848.97	88.17
		For Tempered Low-E Insulated Glass, Add	*134.80*	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	865.04	88.85
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.83	91.56
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	930.94	94.27
		For Tempered Low-E Insulated Glass, Add	*148.48*	

08 52 16 00-0118 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0119	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	765.34	81.39
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.14	83.42
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	831.26	86.14
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	848.97	88.17
		For Tempered Low-E Insulated Glass, Add	*134.80*	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	865.04	89.53
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	881.10	90.89
		For Tempered Low-E Insulated Glass, Add	*140.14*	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.83	91.56
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	930.94	94.27
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	964.73	96.99
		For Tempered Low-E Insulated Glass, Add	*154.15*	

08 52 16 00-0128 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0129	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.14	84.10
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	831.26	86.14
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	865.04	88.85
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	881.10	90.89
		For Tempered Low-E Insulated Glass, Add	*140.14*	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.83	92.24
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	914.88	93.60
		For Tempered Low-E Insulated Glass, Add	*145.81*	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	930.94	94.27
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	964.73	96.99
		For Tempered Low-E Insulated Glass, Add	*154.15*	
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	998.52	99.71
		For Tempered Low-E Insulated Glass, Add	*159.82*	

08 52 16 00-0138 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0139	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	831.26	86.81
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	865.04	88.85
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.83	91.56
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	914.88	93.60
		For Tempered Low-E Insulated Glass, Add	*145.81*	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	930.94	94.96
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	948.67	96.31
		For Tempered Low-E Insulated Glass, Add	*151.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	964.73	96.99
		For Tempered Low-E Insulated Glass, Add	*154.15*	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	998.52	99.71
		For Tempered Low-E Insulated Glass, Add	*159.82*	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,032.31	102.41
		For Tempered Low-E Insulated Glass, Add	*165.50*	

08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0149	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	865.04	89.53
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.83	91.56
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	930.94	94.27
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	948.67	96.31
		For Tempered Low-E Insulated Glass, Add	*151.48*	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	964.73	97.66
		For Tempered Low-E Insulated Glass, Add	*154.15*	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	982.45	99.02
		For Tempered Low-E Insulated Glass, Add	*157.15*	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	998.52	99.71
		For Tempered Low-E Insulated Glass, Add	*159.82*	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,032.31	102.41
		For Tempered Low-E Insulated Glass, Add	*165.50*	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,064.42	105.13
		For Tempered Low-E Insulated Glass, Add	*170.83*	

08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,328.00	94.96
		For Tempered Low-E Insulated Glass, Add	*227.89*	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,375.14	96.99
		For Tempered Low-E Insulated Glass, Add	*236.23*	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,422.26	99.71
		For Tempered Low-E Insulated Glass, Add	*244.57*	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,445.00	101.74
		For Tempered Low-E Insulated Glass, Add	*248.58*	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,469.40	103.09
		For Tempered Low-E Insulated Glass, Add	*252.91*	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,492.13	104.45
		For Tempered Low-E Insulated Glass, Add	*256.92*	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,514.86	105.13
		For Tempered Low-E Insulated Glass, Add	*260.92*	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,562.00	107.84
		For Tempered Low-E Insulated Glass, Add	*269.26*	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,609.13	110.56
		For Tempered Low-E Insulated Glass, Add	*277.61*	

08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,375.14	97.66
		For Tempered Low-E Insulated Glass, Add	*236.23*	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,422.26	99.71
		For Tempered Low-E Insulated Glass, Add	*244.57*	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,469.40	102.41
		For Tempered Low-E Insulated Glass, Add	*252.91*	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,492.13	104.45
		For Tempered Low-E Insulated Glass, Add	*256.92*	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,514.86	105.81
		For Tempered Low-E Insulated Glass, Add	*260.92*	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,539.27	107.16
		For Tempered Low-E Insulated Glass, Add	*265.26*	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,562.00	107.84
		For Tempered Low-E Insulated Glass, Add	*269.26*	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,609.13	110.56
		For Tempered Low-E Insulated Glass, Add	*277.61*	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,656.26	113.26
		For Tempered Low-E Insulated Glass, Add	*285.95*	

08 52 16 00-0178 Casement Wood Clad Windows *(08 52 16)*

Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.

08 52 16 00-0179 Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0178)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0180 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*

08 52 16 00-0181 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0182	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	466.48	51.54
		For Tempered Clear Insulated Glass, Add	*72.95*	
08 52 16 00-0183	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	493.18	52.90
		For Tempered Clear Insulated Glass, Add	*77.47*	
08 52 16 00-0184	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	523.12	55.62
		For Tempered Clear Insulated Glass, Add	*82.38*	
08 52 16 00-0185	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	550.77	58.33
		For Tempered Clear Insulated Glass, Add	*86.82*	

08 52 16 00-0186 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	500.19	54.26
		For Tempered Clear Insulated Glass, Add	*78.61*	
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	526.89	55.62
		For Tempered Clear Insulated Glass, Add	*83.13*	
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	556.83	58.33
		For Tempered Clear Insulated Glass, Add	*88.03*	
08 52 16 00-0190	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	571.94	61.05
		For Tempered Clear Insulated Glass, Add	*89.97*	
08 52 16 00-0191	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	606.41	63.75
		For Tempered Clear Insulated Glass, Add	*96.05*	

08 52 16 00-0192 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0193	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	560.60	58.33
		For Tempered Clear Insulated Glass, Add	*88.79*	
08 52 16 00-0194	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	589.18	61.05
		For Tempered Clear Insulated Glass, Add	*93.69*	
08 52 16 00-0195	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	619.13	63.08
		For Tempered Clear Insulated Glass, Add	*98.59*	
08 52 16 00-0196	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	666.04	65.79
		For Tempered Clear Insulated Glass, Add	*106.89*	
08 52 16 00-0197	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	710.59	67.82
		For Tempered Clear Insulated Glass, Add	*114.99*	
08 52 16 00-0198	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	753.90	69.18
		For Tempered Clear Insulated Glass, Add	*123.11*	

08 52 16 00-0199 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0200	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	601.33	62.39
		For Tempered Clear Insulated Glass, Add	*95.58*	
08 52 16 00-0201	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	628.02	63.75
		For Tempered Clear Insulated Glass, Add	*100.10*	
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	657.96	66.47
		For Tempered Clear Insulated Glass, Add	*105.01*	
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	725.62	69.18
		For Tempered Clear Insulated Glass, Add	*117.45*	
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	772.27	71.90
		For Tempered Clear Insulated Glass, Add	*125.97*	
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	816.20	74.60
		For Tempered Clear Insulated Glass, Add	*133.67*	

08 52 16 00-0206 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	659.32	67.82
		For Tempered Clear Insulated Glass, Add	*105.01*	
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	687.90	69.18
		For Tempered Clear Insulated Glass, Add	*109.91*	
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	717.85	71.90
		For Tempered Clear Insulated Glass, Add	*114.81*	
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	810.95	74.60
		For Tempered Clear Insulated Glass, Add	*132.35*	
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	847.57	77.32
		For Tempered Clear Insulated Glass, Add	*138.86*	
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	902.48	80.03
		For Tempered Clear Insulated Glass, Add	*148.75*	

08 52 16 00-0213 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	698.68	70.54
		For Tempered Clear Insulated Glass, Add	*111.79*	
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	725.39	71.90
		For Tempered Clear Insulated Glass, Add	*116.32*	
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	755.34	74.60
		For Tempered Clear Insulated Glass, Add	*121.22*	
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	870.13	77.32
		For Tempered Clear Insulated Glass, Add	*143.10*	
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	924.61	80.03
		For Tempered Clear Insulated Glass, Add	*153.18*	
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	960.70	82.75
		For Tempered Clear Insulated Glass, Add	*159.31*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0220		**59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0180)*		
08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	755.34	74.60
		For Tempered Clear Insulated Glass, Add	*121.22*	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	783.91	77.32
		For Tempered Clear Insulated Glass, Add	*126.13*	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	813.85	79.35
		For Tempered Clear Insulated Glass, Add	*131.03*	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	955.05	82.07
		For Tempered Clear Insulated Glass, Add	*158.18*	
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	993.78	84.10
		For Tempered Clear Insulated Glass, Add	*165.12*	
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,045.62	86.81
		For Tempered Clear Insulated Glass, Add	*174.40*	
08 52 16 00-0227		**64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0180)*		
08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	796.05	78.68
		For Tempered Clear Insulated Glass, Add	*128.01*	
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	822.76	80.03
		For Tempered Clear Insulated Glass, Add	*132.54*	
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	852.69	82.75
		For Tempered Clear Insulated Glass, Add	*137.44*	
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,014.64	85.45
		For Tempered Clear Insulated Glass, Add	*168.74*	
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,050.68	88.17
		For Tempered Clear Insulated Glass, Add	*175.14*	
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,105.21	90.89
		For Tempered Clear Insulated Glass, Add	*184.96*	
08 52 16 00-0234		**71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0180)*		
08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	852.69	82.75
		For Tempered Clear Insulated Glass, Add	*137.44*	
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	881.28	85.45
		For Tempered Clear Insulated Glass, Add	*142.34*	
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	911.21	87.50
		For Tempered Clear Insulated Glass, Add	*147.25*	
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,099.56	90.20
		For Tempered Clear Insulated Glass, Add	*183.83*	
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,143.73	92.24
		For Tempered Clear Insulated Glass, Add	*191.85*	
08 52 16 00-0240	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,190.14	94.96
		For Tempered Clear Insulated Glass, Add	*200.05*	
08 52 16 00-0241		**Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0179)*		
08 52 16 00-0242		**24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	831.34	66.47
		For Tempered Clear Insulated Glass, Add	*139.68*	
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	944.31	71.90
		For Tempered Clear Insulated Glass, Add	*160.10*	
08 52 16 00-0245	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,075.04	77.32
		For Tempered Clear Insulated Glass, Add	*184.08*	
08 52 16 00-0246		**28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0247	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	896.61	69.18
		For Tempered Clear Insulated Glass, Add	*151.65*	
08 52 16 00-0248	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,009.58	74.60
		For Tempered Clear Insulated Glass, Add	*172.07*	
08 52 16 00-0249	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,140.31	80.03
		For Tempered Clear Insulated Glass, Add	*196.05*	
08 52 16 00-0250		**35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0251	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	888.59	69.18
		For Tempered Clear Insulated Glass, Add	*150.05*	
08 52 16 00-0252	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,003.69	74.60
		For Tempered Clear Insulated Glass, Add	*171.17*	
08 52 16 00-0253	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,123.91	80.03
		For Tempered Clear Insulated Glass, Add	*193.04*	
08 52 16 00-0254	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,262.99	84.78
		For Tempered Clear Insulated Glass, Add	*218.69*	
08 52 16 00-0255	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,356.23	88.85
		For Tempered Clear Insulated Glass, Add	*235.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0256	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,511.51	94.96
		For Tempered Clear Insulated Glass, Add	*264.32*	
08 52 16 00-0257		**40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0258	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	968.91	72.57
		For Tempered Clear Insulated Glass, Add	*164.75*	
08 52 16 00-0259	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,084.01	77.32
		For Tempered Clear Insulated Glass, Add	*185.87*	
08 52 16 00-0260	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,204.23	82.75
		For Tempered Clear Insulated Glass, Add	*207.75*	
08 52 16 00-0261	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,343.31	88.17
		For Tempered Clear Insulated Glass, Add	*233.39*	
08 52 16 00-0262	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,446.55	92.24
		For Tempered Clear Insulated Glass, Add	*252.41*	
08 52 16 00-0263	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,880.34	98.35
		For Tempered Clear Insulated Glass, Add	*336.73*	
08 52 16 00-0264		**48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0265	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,087.25	78.00
		For Tempered Clear Insulated Glass, Add	*186.25*	
08 52 16 00-0266	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,204.23	82.75
		For Tempered Clear Insulated Glass, Add	*207.75*	
08 52 16 00-0267	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,324.46	88.17
		For Tempered Clear Insulated Glass, Add	*229.62*	
08 52 16 00-0268	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,463.54	93.60
		For Tempered Clear Insulated Glass, Add	*255.27*	
08 52 16 00-0269	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,562.44	97.66
		For Tempered Clear Insulated Glass, Add	*273.42*	
08 52 16 00-0270	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,712.06	103.77
		For Tempered Clear Insulated Glass, Add	*300.90*	
08 52 16 00-0271		**52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0272	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,166.22	80.71
		For Tempered Clear Insulated Glass, Add	*200.96*	
08 52 16 00-0273	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,281.32	85.45
		For Tempered Clear Insulated Glass, Add	*222.08*	
08 52 16 00-0274	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,387.55	90.89
		For Tempered Clear Insulated Glass, Add	*241.16*	
08 52 16 00-0275	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,540.62	96.31
		For Tempered Clear Insulated Glass, Add	*269.60*	
08 52 16 00-0276	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,644.24	100.38
		For Tempered Clear Insulated Glass, Add	*288.70*	
08 52 16 00-0277	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,791.03	106.48
		For Tempered Clear Insulated Glass, Add	*315.61*	
08 52 16 00-0278		**59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0279	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,283.21	85.45
		For Tempered Clear Insulated Glass, Add	*222.46*	
08 52 16 00-0280	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,398.30	90.89
		For Tempered Clear Insulated Glass, Add	*243.58*	
08 52 16 00-0281	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,518.52	96.31
		For Tempered Clear Insulated Glass, Add	*265.45*	
08 52 16 00-0282	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,657.61	101.05
		For Tempered Clear Insulated Glass, Add	*291.10*	
08 52 16 00-0283	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,761.22	105.13
		For Tempered Clear Insulated Glass, Add	*310.19*	
08 52 16 00-0284	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,906.12	111.23
		For Tempered Clear Insulated Glass, Add	*336.73*	
08 52 16 00-0285		**64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0286	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,363.53	88.85
		For Tempered Clear Insulated Glass, Add	*237.17*	
08 52 16 00-0287	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,478.62	93.60
		For Tempered Clear Insulated Glass, Add	*258.29*	
08 52 16 00-0288	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,600.73	99.02
		For Tempered Clear Insulated Glass, Add	*280.54*	
08 52 16 00-0289	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,739.81	104.45
		For Tempered Clear Insulated Glass, Add	*306.18*	
08 52 16 00-0290		**71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0291	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,480.51	93.60
		For Tempered Clear Insulated Glass, Add	*258.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,595.60	99.02
		For Tempered Clear Insulated Glass, Add	*279.78*	
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,715.83	104.45
		For Tempered Clear Insulated Glass, Add	*301.66*	
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,854.91	109.20
		For Tempered Clear Insulated Glass, Add	*327.30*	
08 52 16 00-0295		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*		
08 52 16 00-0296		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0297	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,315.71	87.50
		For Tempered Clear Insulated Glass, Add	*228.15*	
08 52 16 00-0298	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,529.67	96.31
		For Tempered Clear Insulated Glass, Add	*267.41*	
08 52 16 00-0299		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,395.84	90.20
		For Tempered Clear Insulated Glass, Add	*243.09*	
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,595.79	99.02
		For Tempered Clear Insulated Glass, Add	*279.55*	
08 52 16 00-0302		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,343.70	88.17
		For Tempered Clear Insulated Glass, Add	*233.47*	
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,515.29	94.96
		For Tempered Clear Insulated Glass, Add	*265.08*	
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,727.15	104.45
		For Tempered Clear Insulated Glass, Add	*303.92*	
08 52 16 00-0306		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,420.19	92.24
		For Tempered Clear Insulated Glass, Add	*247.41*	
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,597.48	98.35
		For Tempered Clear Insulated Glass, Add	*280.16*	
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,807.47	107.16
		For Tempered Clear Insulated Glass, Add	*318.63*	
08 52 16 00-0310		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,715.83	103.77
		For Tempered Clear Insulated Glass, Add	*301.66*	
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,925.82	112.59
		For Tempered Clear Insulated Glass, Add	*340.13*	
08 52 16 00-0313		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,794.80	106.48
		For Tempered Clear Insulated Glass, Add	*316.37*	
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,004.78	115.30
		For Tempered Clear Insulated Glass, Add	*354.84*	
08 52 16 00-0316		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0317	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,909.90	111.23
		For Tempered Clear Insulated Glass, Add	*337.49*	
08 52 16 00-0318	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,121.77	120.72
		For Tempered Clear Insulated Glass, Add	*376.33*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0319		Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0178)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320		One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0321		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0322	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	554.17	51.54
		For Tempered Low-E Insulated Glass, Add	*90.49*	
08 52 16 00-0323	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	586.52	52.90
		For Tempered Low-E Insulated Glass, Add	*96.14*	
08 52 16 00-0324	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	622.59	55.62
		For Tempered Low-E Insulated Glass, Add	*102.27*	
08 52 16 00-0325	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	655.80	58.33
		For Tempered Low-E Insulated Glass, Add	*107.83*	
08 52 16 00-0326		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0327	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	594.95	54.26
		For Tempered Low-E Insulated Glass, Add	*97.56*	
08 52 16 00-0328	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	627.30	55.62
		For Tempered Low-E Insulated Glass, Add	*103.21*	
08 52 16 00-0329	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	663.38	58.33
		For Tempered Low-E Insulated Glass, Add	*109.34*	
08 52 16 00-0330	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	680.91	61.05
		For Tempered Low-E Insulated Glass, Add	*111.77*	
08 52 16 00-0331	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	722.97	63.75
		For Tempered Low-E Insulated Glass, Add	*119.36*	
08 52 16 00-0332		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0333	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	668.09	58.33
		For Tempered Low-E Insulated Glass, Add	*110.29*	
08 52 16 00-0334	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	702.79	61.05
		For Tempered Low-E Insulated Glass, Add	*116.41*	
08 52 16 00-0335	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	738.88	63.08
		For Tempered Low-E Insulated Glass, Add	*122.54*	
08 52 16 00-0336	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	796.15	65.79
		For Tempered Low-E Insulated Glass, Add	*132.91*	
08 52 16 00-0337	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	850.83	67.82
		For Tempered Low-E Insulated Glass, Add	*143.04*	
08 52 16 00-0338	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	904.29	69.18
		For Tempered Low-E Insulated Glass, Add	*153.19*	
08 52 16 00-0339		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0340	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	717.30	62.39
		For Tempered Low-E Insulated Glass, Add	*118.77*	
08 52 16 00-0341	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	749.65	63.75
		For Tempered Low-E Insulated Glass, Add	*124.43*	
08 52 16 00-0342	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	785.72	66.47
		For Tempered Low-E Insulated Glass, Add	*130.56*	
08 52 16 00-0343	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	868.93	69.18
		For Tempered Low-E Insulated Glass, Add	*146.11*	
08 52 16 00-0344	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	926.23	71.90
		For Tempered Low-E Insulated Glass, Add	*156.76*	
08 52 16 00-0345	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	979.79	74.60
		For Tempered Low-E Insulated Glass, Add	*166.39*	
08 52 16 00-0346		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0347	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	787.08	67.82
		For Tempered Low-E Insulated Glass, Add	*130.56*	
08 52 16 00-0348	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	821.79	69.18
		For Tempered Low-E Insulated Glass, Add	*136.69*	
08 52 16 00-0349	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	857.86	71.90
		For Tempered Low-E Insulated Glass, Add	*142.81*	
08 52 16 00-0350	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	972.89	74.60
		For Tempered Low-E Insulated Glass, Add	*164.73*	
08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,017.65	77.32
		For Tempered Low-E Insulated Glass, Add	*172.87*	
08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,084.93	80.03
		For Tempered Low-E Insulated Glass, Add	*185.24*	
08 52 16 00-0353		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	834.93	70.54
		For Tempered Low-E Insulated Glass, Add	*139.04*	
08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	867.29	71.90
		For Tempered Low-E Insulated Glass, Add	*144.70*	
08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	903.37	74.60
		For Tempered Low-E Insulated Glass, Add	*150.83*	
08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,045.50	77.32
		For Tempered Low-E Insulated Glass, Add	*178.17*	
08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,112.59	80.03
		For Tempered Low-E Insulated Glass, Add	*190.78*	
08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,156.35	82.75
		For Tempered Low-E Insulated Glass, Add	*198.44*	

08 52 16 00-0360 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*

08 52 16 00-0361	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	903.37	74.60
		For Tempered Low-E Insulated Glass, Add	*150.83*	
08 52 16 00-0362	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	938.07	77.32
		For Tempered Low-E Insulated Glass, Add	*156.96*	
08 52 16 00-0363	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	974.14	79.35
		For Tempered Low-E Insulated Glass, Add	*163.09*	
08 52 16 00-0364	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,149.28	82.07
		For Tempered Low-E Insulated Glass, Add	*197.03*	
08 52 16 00-0365	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,196.67	84.10
		For Tempered Low-E Insulated Glass, Add	*205.69*	
08 52 16 00-0366	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,260.13	86.81
		For Tempered Low-E Insulated Glass, Add	*217.30*	

08 52 16 00-0367 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*

08 52 16 00-0368	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	952.56	78.68
		For Tempered Low-E Insulated Glass, Add	*159.31*	
08 52 16 00-0369	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	984.93	80.03
		For Tempered Low-E Insulated Glass, Add	*164.97*	
08 52 16 00-0370	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,020.99	82.75
		For Tempered Low-E Insulated Glass, Add	*171.10*	
08 52 16 00-0371	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,222.07	85.45
		For Tempered Low-E Insulated Glass, Add	*210.23*	
08 52 16 00-0372	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,266.11	88.17
		For Tempered Low-E Insulated Glass, Add	*218.23*	
08 52 16 00-0373	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,332.92	90.89
		For Tempered Low-E Insulated Glass, Add	*230.50*	

08 52 16 00-0374 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*

08 52 16 00-0375	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,020.99	82.75
		For Tempered Low-E Insulated Glass, Add	*171.10*	
08 52 16 00-0376	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,055.71	85.45
		For Tempered Low-E Insulated Glass, Add	*177.23*	
08 52 16 00-0377	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,091.77	87.50
		For Tempered Low-E Insulated Glass, Add	*183.36*	
08 52 16 00-0378	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,325.84	90.20
		For Tempered Low-E Insulated Glass, Add	*229.09*	
08 52 16 00-0379	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,380.04	92.24
		For Tempered Low-E Insulated Glass, Add	*239.11*	
08 52 16 00-0380	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,436.70	94.96
		For Tempered Low-E Insulated Glass, Add	*249.36*	

08 52 16 00-0381 Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*

08 52 16 00-0382 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0383	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	998.94	66.47
		For Tempered Low-E Insulated Glass, Add	*173.20*	
08 52 16 00-0384	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,137.44	71.90
		For Tempered Low-E Insulated Glass, Add	*198.73*	
08 52 16 00-0385	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,298.14	77.32
		For Tempered Low-E Insulated Glass, Add	*228.70*	

08 52 16 00-0386 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0387	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,079.17	69.18
		For Tempered Low-E Insulated Glass, Add	*188.16*	
08 52 16 00-0388	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,217.68	74.60
		For Tempered Low-E Insulated Glass, Add	*213.69*	
08 52 16 00-0389	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,378.37	80.03
		For Tempered Low-E Insulated Glass, Add	*243.66*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0390		**35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0381)*		
08 52 16 00-0391	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,069.15	69.18
		For Tempered Low-E Insulated Glass, Add	*186.16*	
08 52 16 00-0392	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,210.65	74.60
		For Tempered Low-E Insulated Glass, Add	*212.56*	
08 52 16 00-0393	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,358.21	80.03
		For Tempered Low-E Insulated Glass, Add	*239.90*	
08 52 16 00-0394	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,529.35	84.78
		For Tempered Low-E Insulated Glass, Add	*271.96*	
08 52 16 00-0395	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,643.86	88.85
		For Tempered Low-E Insulated Glass, Add	*293.23*	
08 52 16 00-0396	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,834.92	94.96
		For Tempered Low-E Insulated Glass, Add	*329.00*	
08 52 16 00-0397		**40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0381)*		
08 52 16 00-0398	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,167.86	72.57
		For Tempered Low-E Insulated Glass, Add	*204.54*	
08 52 16 00-0399	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,309.36	77.32
		For Tempered Low-E Insulated Glass, Add	*230.94*	
08 52 16 00-0400	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,456.92	82.75
		For Tempered Low-E Insulated Glass, Add	*258.29*	
08 52 16 00-0401	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,628.06	88.17
		For Tempered Low-E Insulated Glass, Add	*290.34*	
08 52 16 00-0402	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,755.07	92.24
		For Tempered Low-E Insulated Glass, Add	*314.12*	
08 52 16 00-0403	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,294.26	98.35
		For Tempered Low-E Insulated Glass, Add	*419.52*	
08 52 16 00-0404		**48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0381)*		
08 52 16 00-0405	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,313.06	78.00
		For Tempered Low-E Insulated Glass, Add	*231.41*	
08 52 16 00-0406	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,456.92	82.75
		For Tempered Low-E Insulated Glass, Add	*258.29*	
08 52 16 00-0407	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,604.49	88.17
		For Tempered Low-E Insulated Glass, Add	*285.63*	
08 52 16 00-0408	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,775.62	93.60
		For Tempered Low-E Insulated Glass, Add	*317.69*	
08 52 16 00-0409	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,897.22	97.66
		For Tempered Low-E Insulated Glass, Add	*340.38*	
08 52 16 00-0410	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,081.19	103.77
		For Tempered Low-E Insulated Glass, Add	*374.73*	
08 52 16 00-0411		**52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0381)*		
08 52 16 00-0412	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,410.42	80.71
		For Tempered Low-E Insulated Glass, Add	*249.80*	
08 52 16 00-0413	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,551.92	85.45
		For Tempered Low-E Insulated Glass, Add	*276.20*	
08 52 16 00-0414	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,685.49	90.89
		For Tempered Low-E Insulated Glass, Add	*300.74*	
08 52 16 00-0415	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,870.63	96.31
		For Tempered Low-E Insulated Glass, Add	*335.60*	
08 52 16 00-0416	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,998.12	100.38
		For Tempered Low-E Insulated Glass, Add	*359.47*	
08 52 16 00-0417	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,178.55	106.48
		For Tempered Low-E Insulated Glass, Add	*393.12*	
08 52 16 00-0418		**59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0381)*		
08 52 16 00-0419	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,554.28	85.45
		For Tempered Low-E Insulated Glass, Add	*276.67*	
08 52 16 00-0420	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,695.77	90.89
		For Tempered Low-E Insulated Glass, Add	*303.07*	
08 52 16 00-0421	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,843.34	96.31
		For Tempered Low-E Insulated Glass, Add	*330.42*	
08 52 16 00-0422	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,014.48	101.05
		For Tempered Low-E Insulated Glass, Add	*362.47*	
08 52 16 00-0423	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,141.97	105.13
		For Tempered Low-E Insulated Glass, Add	*386.34*	
08 52 16 00-0424	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,320.04	111.23
		For Tempered Low-E Insulated Glass, Add	*419.52*	
08 52 16 00-0425		**64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0381)*		
08 52 16 00-0426	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,652.99	88.85
		For Tempered Low-E Insulated Glass, Add	*295.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0427	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,794.48	93.60
		For Tempered Low-E Insulated Glass, Add	*321.46*	
08 52 16 00-0428	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,944.40	99.02
		For Tempered Low-E Insulated Glass, Add	*349.27*	
08 52 16 00-0429	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,115.54	104.45
		For Tempered Low-E Insulated Glass, Add	*381.33*	

08 52 16 00-0430 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*

08 52 16 00-0431	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,796.84	93.60
		For Tempered Low-E Insulated Glass, Add	*321.93*	
08 52 16 00-0432	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,938.33	99.02
		For Tempered Low-E Insulated Glass, Add	*348.33*	
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,085.91	104.45
		For Tempered Low-E Insulated Glass, Add	*375.67*	
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,257.04	109.20
		For Tempered Low-E Insulated Glass, Add	*407.73*	

08 52 16 00-0435 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*

08 52 16 00-0436 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*

08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,597.40	87.50
		For Tempered Low-E Insulated Glass, Add	*284.48*	
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,856.93	96.31
		For Tempered Low-E Insulated Glass, Add	*332.86*	

08 52 16 00-0439 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*

08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,692.70	90.20
		For Tempered Low-E Insulated Glass, Add	*302.46*	
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,938.23	99.02
		For Tempered Low-E Insulated Glass, Add	*348.04*	

08 52 16 00-0442 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*

08 52 16 00-0443	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,628.54	88.17
		For Tempered Low-E Insulated Glass, Add	*290.44*	
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,839.63	94.96
		For Tempered Low-E Insulated Glass, Add	*329.94*	
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,100.05	104.45
		For Tempered Low-E Insulated Glass, Add	*378.50*	

08 52 16 00-0446 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*

08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,722.45	92.24
		For Tempered Low-E Insulated Glass, Add	*307.86*	
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,940.69	98.35
		For Tempered Low-E Insulated Glass, Add	*348.80*	
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,198.76	107.16
		For Tempered Low-E Insulated Glass, Add	*396.89*	

08 52 16 00-0450 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*

08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,085.91	103.77
		For Tempered Low-E Insulated Glass, Add	*375.67*	
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,343.98	112.59
		For Tempered Low-E Insulated Glass, Add	*423.76*	

08 52 16 00-0453 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*

08 52 16 00-0454	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,183.26	106.48
		For Tempered Low-E Insulated Glass, Add	*394.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0455	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,441.33	115.30
		For Tempered Low-E Insulated Glass, Add	*442.15*	

08 52 16 00-0456 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*

08 52 16 00-0457	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,324.76	111.23
		For Tempered Low-E Insulated Glass, Add	*420.46*	
08 52 16 00-0458	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,585.18	120.72
		For Tempered Low-E Insulated Glass, Add	*469.02*	

08 52 16 00-0459 Awning Wood Clad Windows *(08 52 16)*

Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.

08 52 16 00-0460 Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0459)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0461 Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0460)*

08 52 16 00-0462 17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0463	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	505.13	55.62
		For Tempered Clear Insulated Glass, Add	*78.78*	
08 52 16 00-0464	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	540.73	58.33
		For Tempered Clear Insulated Glass, Add	*84.81*	
08 52 16 00-0465	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	569.86	60.36
		For Tempered Clear Insulated Glass, Add	*89.83*	
08 52 16 00-0466	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	606.81	63.08
		For Tempered Clear Insulated Glass, Add	*96.13*	
08 52 16 00-0467	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	649.41	66.47
		For Tempered Clear Insulated Glass, Add	*103.30*	
08 52 16 00-0468	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	714.95	71.90
		For Tempered Clear Insulated Glass, Add	*114.23*	
08 52 16 00-0469	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	756.21	74.60
		For Tempered Clear Insulated Glass, Add	*121.40*	
08 52 16 00-0470	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	816.61	80.03
		For Tempered Clear Insulated Glass, Add	*131.58*	
08 52 16 00-0471	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	839.53	82.75
		For Tempered Clear Insulated Glass, Add	*134.81*	
08 52 16 00-0472	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	899.29	87.50
		For Tempered Clear Insulated Glass, Add	*144.86*	

08 52 16 00-0473 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0474	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	532.76	58.33
		For Tempered Clear Insulated Glass, Add	*83.49*	
08 52 16 00-0475	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	571.19	61.05
		For Tempered Clear Insulated Glass, Add	*90.09*	
08 52 16 00-0476	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	596.33	62.39
		For Tempered Clear Insulated Glass, Add	*94.31*	
08 52 16 00-0477	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	637.27	65.11
		For Tempered Clear Insulated Glass, Add	*101.41*	
08 52 16 00-0478	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	679.89	69.18
		For Tempered Clear Insulated Glass, Add	*108.58*	
08 52 16 00-0479	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	743.54	73.93
		For Tempered Clear Insulated Glass, Add	*119.14*	
08 52 16 00-0480	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	784.78	77.32
		For Tempered Clear Insulated Glass, Add	*126.30*	
08 52 16 00-0481	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	847.08	81.39
		For Tempered Clear Insulated Glass, Add	*136.86*	
08 52 16 00-0482	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	867.81	85.45
		For Tempered Clear Insulated Glass, Add	*139.65*	
08 52 16 00-0483	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	929.43	89.53
		For Tempered Clear Insulated Glass, Add	*150.08*	
08 52 16 00-0484	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,425.96	99.02
		For Tempered Clear Insulated Glass, Add	*245.86*	

08 52 16 00-0485 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0486	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	567.42	61.05
		For Tempered Clear Insulated Glass, Add	*89.34*	
08 52 16 00-0487	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	603.03	63.75
		For Tempered Clear Insulated Glass, Add	*95.37*	
08 52 16 00-0488	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	627.34	65.11
		For Tempered Clear Insulated Glass, Add	*99.42*	
08 52 16 00-0489	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	669.10	67.82
		For Tempered Clear Insulated Glass, Add	*106.69*	
08 52 16 00-0490	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	711.71	71.90
		For Tempered Clear Insulated Glass, Add	*113.86*	
08 52 16 00-0491	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	777.24	76.64
		For Tempered Clear Insulated Glass, Add	*124.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0492	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	818.50	80.03
		For Tempered Clear Insulated Glass, Add	*131.96*	
08 52 16 00-0493	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	880.79	84.10
		For Tempered Clear Insulated Glass, Add	*142.52*	
08 52 16 00-0494	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	899.29	88.17
		For Tempered Clear Insulated Glass, Add	*144.86*	
08 52 16 00-0495	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	958.99	92.24
		For Tempered Clear Insulated Glass, Add	*154.90*	
08 52 16 00-0496	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,500.17	101.74
		For Tempered Clear Insulated Glass, Add	*259.61*	

08 52 16 00-0497 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0498	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	567.21	63.75
		For Tempered Clear Insulated Glass, Add	*88.21*	
08 52 16 00-0499	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	621.66	66.47
		For Tempered Clear Insulated Glass, Add	*98.02*	
08 52 16 00-0500	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	656.76	67.82
		For Tempered Clear Insulated Glass, Add	*104.22*	
08 52 16 00-0501	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	721.66	70.54
		For Tempered Clear Insulated Glass, Add	*116.12*	
08 52 16 00-0502	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	786.91	74.60
		For Tempered Clear Insulated Glass, Add	*127.81*	
08 52 16 00-0503	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	882.62	79.35
		For Tempered Clear Insulated Glass, Add	*144.78*	
08 52 16 00-0504	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	944.61	82.75
		For Tempered Clear Insulated Glass, Add	*156.10*	
08 52 16 00-0505	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,038.96	86.81
		For Tempered Clear Insulated Glass, Add	*173.07*	
08 52 16 00-0506	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,074.15	90.89
		For Tempered Clear Insulated Glass, Add	*178.75*	
08 52 16 00-0507	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,165.57	94.96
		For Tempered Clear Insulated Glass, Add	*195.13*	
08 52 16 00-0508	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,540.92	104.45
		For Tempered Clear Insulated Glass, Add	*266.68*	

08 52 16 00-0509 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0510	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	656.76	67.82
		For Tempered Clear Insulated Glass, Add	*104.22*	
08 52 16 00-0511	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	694.40	69.86
		For Tempered Clear Insulated Glass, Add	*110.94*	
08 52 16 00-0512	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	746.21	72.57
		For Tempered Clear Insulated Glass, Add	*120.21*	
08 52 16 00-0513	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	804.17	75.96
		For Tempered Clear Insulated Glass, Add	*130.45*	
08 52 16 00-0514	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	888.59	81.39
		For Tempered Clear Insulated Glass, Add	*145.16*	
08 52 16 00-0515	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	946.79	84.10
		For Tempered Clear Insulated Glass, Add	*155.72*	
08 52 16 00-0516	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,029.86	89.53
		For Tempered Clear Insulated Glass, Add	*170.43*	
08 52 16 00-0517	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,087.82	92.24
		For Tempered Clear Insulated Glass, Add	*180.67*	
08 52 16 00-0518	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,172.48	96.99
		For Tempered Clear Insulated Glass, Add	*195.70*	
08 52 16 00-0519	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,642.23	105.81
		For Tempered Clear Insulated Glass, Add	*286.12*	

08 52 16 00-0520 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0521	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	746.21	72.57
		For Tempered Clear Insulated Glass, Add	*120.21*	
08 52 16 00-0522	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	819.79	75.29
		For Tempered Clear Insulated Glass, Add	*133.84*	
08 52 16 00-0523	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	885.03	78.68
		For Tempered Clear Insulated Glass, Add	*145.54*	
08 52 16 00-0524	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	980.73	84.10
		For Tempered Clear Insulated Glass, Add	*162.51*	
08 52 16 00-0525	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,044.61	86.81
		For Tempered Clear Insulated Glass, Add	*174.20*	
08 52 16 00-0526	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,137.09	92.24
		For Tempered Clear Insulated Glass, Add	*190.79*	
08 52 16 00-0527	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	996.14	94.96
		For Tempered Clear Insulated Glass, Add	*161.25*	
08 52 16 00-0528	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,068.94	99.71
		For Tempered Clear Insulated Glass, Add	*173.91*	

08 52 16 00-0529 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0530	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	873.71	78.68
		For Tempered Clear Insulated Glass, Add	*143.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0531	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	982.32	82.75
		For Tempered Clear Insulated Glass, Add	*163.64*	
08 52 16 00-0532		48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0533	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,037.31	84.10
		For Tempered Clear Insulated Glass, Add	*173.82*	
08 52 16 00-0534	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,147.80	88.17
		For Tempered Clear Insulated Glass, Add	*194.56*	
08 52 16 00-0535	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,309.51	92.92
		For Tempered Clear Insulated Glass, Add	*224.74*	
08 52 16 00-0536		59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0537	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,281.89	91.56
		For Tempered Clear Insulated Glass, Add	*219.75*	
08 52 16 00-0538	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,378.73	94.96
		For Tempered Clear Insulated Glass, Add	*237.76*	
08 52 16 00-0539		71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0540	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,400.32	92.24
		For Tempered Clear Insulated Glass, Add	*243.17*	
08 52 16 00-0541	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,449.62	99.71
		For Tempered Clear Insulated Glass, Add	*250.04*	
08 52 16 00-0542	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,602.92	103.09
		For Tempered Clear Insulated Glass, Add	*279.35*	
08 52 16 00-0543	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,759.93	108.52
		For Tempered Clear Insulated Glass, Add	*308.58*	
08 52 16 00-0544		Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0460)*		
08 52 16 00-0545		17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*		
08 52 16 00-0546	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	446.68	55.62
		For Tempered Clear Insulated Glass, Add	*67.09*	
08 52 16 00-0547	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	480.39	58.33
		For Tempered Clear Insulated Glass, Add	*72.75*	
08 52 16 00-0548	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	502.69	60.36
		For Tempered Clear Insulated Glass, Add	*76.39*	
08 52 16 00-0549	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	538.92	63.08
		For Tempered Clear Insulated Glass, Add	*82.55*	
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	577.75	66.47
		For Tempered Clear Insulated Glass, Add	*88.96*	
08 52 16 00-0551	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	637.64	71.90
		For Tempered Clear Insulated Glass, Add	*98.77*	
08 52 16 00-0552	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	673.24	74.60
		For Tempered Clear Insulated Glass, Add	*104.80*	
08 52 16 00-0553	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	729.87	80.03
		For Tempered Clear Insulated Glass, Add	*114.23*	
08 52 16 00-0554	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	768.71	82.75
		For Tempered Clear Insulated Glass, Add	*120.64*	
08 52 16 00-0555	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	825.34	87.50
		For Tempered Clear Insulated Glass, Add	*130.07*	
08 52 16 00-0556		20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*		
08 52 16 00-0557	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	473.37	58.33
		For Tempered Clear Insulated Glass, Add	*71.61*	
08 52 16 00-0558	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	507.08	61.05
		For Tempered Clear Insulated Glass, Add	*77.27*	
08 52 16 00-0559	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	527.56	62.39
		For Tempered Clear Insulated Glass, Add	*80.55*	
08 52 16 00-0560	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	567.49	65.11
		For Tempered Clear Insulated Glass, Add	*87.45*	
08 52 16 00-0561	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	606.34	69.18
		For Tempered Clear Insulated Glass, Add	*93.87*	
08 52 16 00-0562	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	664.34	73.93
		For Tempered Clear Insulated Glass, Add	*103.30*	
08 52 16 00-0563	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	701.81	77.32
		For Tempered Clear Insulated Glass, Add	*109.71*	
08 52 16 00-0564	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	756.56	81.39
		For Tempered Clear Insulated Glass, Add	*118.76*	
08 52 16 00-0565	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	797.29	85.45
		For Tempered Clear Insulated Glass, Add	*125.55*	
08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	852.04	89.53
		For Tempered Clear Insulated Glass, Add	*134.60*	
08 52 16 00-0567		24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	503.31	61.05
		For Tempered Clear Insulated Glass, Add	*76.52*	
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	537.03	63.75
		For Tempered Clear Insulated Glass, Add	*82.17*	
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	555.37	65.11
		For Tempered Clear Insulated Glass, Add	*85.03*	
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	595.55	67.82
		For Tempered Clear Insulated Glass, Add	*91.98*	
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	634.39	71.90
		For Tempered Clear Insulated Glass, Add	*98.39*	
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	692.38	76.64
		For Tempered Clear Insulated Glass, Add	*107.82*	
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	729.87	80.03
		For Tempered Clear Insulated Glass, Add	*114.23*	
08 52 16 00-0575	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	786.50	84.10
		For Tempered Clear Insulated Glass, Add	*123.66*	
08 52 16 00-0576	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	825.34	88.17
		For Tempered Clear Insulated Glass, Add	*130.07*	
08 52 16 00-0577	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	881.99	92.24
		For Tempered Clear Insulated Glass, Add	*139.50*	

08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0579	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	506.86	63.75
		For Tempered Clear Insulated Glass, Add	*76.14*	
08 52 16 00-0580	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	551.88	66.47
		For Tempered Clear Insulated Glass, Add	*84.06*	
08 52 16 00-0581	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	576.79	67.82
		For Tempered Clear Insulated Glass, Add	*88.23*	
08 52 16 00-0582	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	600.97	70.54
		For Tempered Clear Insulated Glass, Add	*91.98*	
08 52 16 00-0583	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	685.08	74.60
		For Tempered Clear Insulated Glass, Add	*107.44*	
08 52 16 00-0584	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	761.93	79.35
		For Tempered Clear Insulated Glass, Add	*120.64*	
08 52 16 00-0585	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	812.61	82.75
		For Tempered Clear Insulated Glass, Add	*129.70*	
08 52 16 00-0586	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	888.10	86.81
		For Tempered Clear Insulated Glass, Add	*142.90*	
08 52 16 00-0587	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	942.03	90.89
		For Tempered Clear Insulated Glass, Add	*152.32*	
08 52 16 00-0588	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,017.53	94.96
		For Tempered Clear Insulated Glass, Add	*165.52*	

08 52 16 00-0589 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0590	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	576.79	67.82
		For Tempered Clear Insulated Glass, Add	*88.23*	
08 52 16 00-0591	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	608.04	69.86
		For Tempered Clear Insulated Glass, Add	*93.67*	
08 52 16 00-0592	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	650.25	72.57
		For Tempered Clear Insulated Glass, Add	*101.02*	
08 52 16 00-0593	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	698.61	75.96
		For Tempered Clear Insulated Glass, Add	*109.34*	
08 52 16 00-0594	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	768.64	81.39
		For Tempered Clear Insulated Glass, Add	*121.17*	
08 52 16 00-0595	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	815.65	84.10
		For Tempered Clear Insulated Glass, Add	*129.49*	
08 52 16 00-0596	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	884.32	89.53
		For Tempered Clear Insulated Glass, Add	*141.32*	
08 52 16 00-0597	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	931.09	92.24
		For Tempered Clear Insulated Glass, Add	*149.32*	
08 52 16 00-0598	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	999.76	96.99
		For Tempered Clear Insulated Glass, Add	*161.16*	

08 52 16 00-0599 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0600	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	650.25	72.57
		For Tempered Clear Insulated Glass, Add	*101.02*	
08 52 16 00-0601	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	712.30	75.29
		For Tempered Clear Insulated Glass, Add	*112.35*	
08 52 16 00-0602	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	764.34	78.68
		For Tempered Clear Insulated Glass, Add	*121.40*	
08 52 16 00-0603	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	843.08	84.10
		For Tempered Clear Insulated Glass, Add	*134.98*	
08 52 16 00-0604	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	893.75	86.81
		For Tempered Clear Insulated Glass, Add	*144.03*	
08 52 16 00-0605	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	969.26	92.24
		For Tempered Clear Insulated Glass, Add	*157.23*	
08 52 16 00-0606	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,021.30	94.96
		For Tempered Clear Insulated Glass, Add	*166.28*	
08 52 16 00-0607	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,096.79	99.71
		For Tempered Clear Insulated Glass, Add	*179.48*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0608		Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0459)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609		Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0608)*		
08 52 16 00-0610		17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0611	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	598.48	55.62
		For Tempered Low-E Insulated Glass, Add	*97.45*	
08 52 16 00-0612	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	641.62	58.33
		For Tempered Low-E Insulated Glass, Add	*104.99*	
08 52 16 00-0613	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	677.01	60.36
		For Tempered Low-E Insulated Glass, Add	*111.26*	
08 52 16 00-0614	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	721.84	63.08
		For Tempered Low-E Insulated Glass, Add	*119.14*	
08 52 16 00-0615	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	773.39	66.47
		For Tempered Low-E Insulated Glass, Add	*128.09*	
08 52 16 00-0616	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	852.61	71.90
		For Tempered Low-E Insulated Glass, Add	*141.76*	
08 52 16 00-0617	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	902.83	74.60
		For Tempered Low-E Insulated Glass, Add	*150.72*	
08 52 16 00-0618	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	975.96	80.03
		For Tempered Low-E Insulated Glass, Add	*163.45*	
08 52 16 00-0619	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,002.91	82.75
		For Tempered Low-E Insulated Glass, Add	*167.48*	
08 52 16 00-0620	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,075.24	87.50
		For Tempered Low-E Insulated Glass, Add	*180.05*	
08 52 16 00-0621		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0622	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	632.00	58.33
		For Tempered Low-E Insulated Glass, Add	*103.34*	
08 52 16 00-0623	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	678.68	61.05
		For Tempered Low-E Insulated Glass, Add	*111.59*	
08 52 16 00-0624	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	709.08	62.39
		For Tempered Low-E Insulated Glass, Add	*116.86*	
08 52 16 00-0625	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	758.90	65.11
		For Tempered Low-E Insulated Glass, Add	*125.74*	
08 52 16 00-0626	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	810.47	69.18
		For Tempered Low-E Insulated Glass, Add	*134.69*	
08 52 16 00-0627	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	887.32	73.93
		For Tempered Low-E Insulated Glass, Add	*147.89*	
08 52 16 00-0628	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	937.53	77.32
		For Tempered Low-E Insulated Glass, Add	*156.85*	
08 52 16 00-0629	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,013.02	81.39
		For Tempered Low-E Insulated Glass, Add	*170.05*	
08 52 16 00-0630	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,037.23	85.45
		For Tempered Low-E Insulated Glass, Add	*173.53*	
08 52 16 00-0631	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,111.89	89.53
		For Tempered Low-E Insulated Glass, Add	*186.57*	
08 52 16 00-0632	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,728.15	99.02
		For Tempered Low-E Insulated Glass, Add	*306.29*	
08 52 16 00-0633		24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0634	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	673.97	61.05
		For Tempered Low-E Insulated Glass, Add	*110.65*	
08 52 16 00-0635	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	717.12	63.75
		For Tempered Low-E Insulated Glass, Add	*118.19*	
08 52 16 00-0636	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	746.48	65.11
		For Tempered Low-E Insulated Glass, Add	*123.25*	
08 52 16 00-0637	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	797.33	67.82
		For Tempered Low-E Insulated Glass, Add	*132.34*	
08 52 16 00-0638	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	848.89	71.90
		For Tempered Low-E Insulated Glass, Add	*141.29*	
08 52 16 00-0639	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	928.10	76.64
		For Tempered Low-E Insulated Glass, Add	*154.96*	
08 52 16 00-0640	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	978.32	80.03
		For Tempered Low-E Insulated Glass, Add	*163.92*	
08 52 16 00-0641	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,053.81	84.10
		For Tempered Low-E Insulated Glass, Add	*177.12*	
08 52 16 00-0642	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,075.24	88.17
		For Tempered Low-E Insulated Glass, Add	*180.05*	
08 52 16 00-0643	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,147.49	92.24
		For Tempered Low-E Insulated Glass, Add	*192.60*	
08 52 16 00-0644	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,819.55	101.74
		For Tempered Low-E Insulated Glass, Add	*323.49*	
08 52 16 00-0645		28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0646	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	672.34	63.75
		For Tempered Low-E Insulated Glass, Add	*109.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0647	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	739.04	66.47
		For Tempered Low-E Insulated Glass, Add	*121.49*	
08 52 16 00-0648	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	781.90	67.82
		For Tempered Low-E Insulated Glass, Add	*129.25*	
08 52 16 00-0649	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	861.68	70.54
		For Tempered Low-E Insulated Glass, Add	*144.12*	
08 52 16 00-0650	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	941.54	74.60
		For Tempered Low-E Insulated Glass, Add	*158.74*	
08 52 16 00-0651	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,058.46	79.35
		For Tempered Low-E Insulated Glass, Add	*179.95*	
08 52 16 00-0652	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,134.59	82.75
		For Tempered Low-E Insulated Glass, Add	*194.09*	
08 52 16 00-0653	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,250.16	86.81
		For Tempered Low-E Insulated Glass, Add	*215.31*	
08 52 16 00-0654	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,292.45	90.89
		For Tempered Low-E Insulated Glass, Add	*222.41*	
08 52 16 00-0655	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,609.64	94.96
		For Tempered Low-E Insulated Glass, Add	*283.95*	
08 52 16 00-0656	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,869.13	104.45
		For Tempered Low-E Insulated Glass, Add	*332.32*	

08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0658	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	781.90	67.82
		For Tempered Low-E Insulated Glass, Add	*129.25*	
08 52 16 00-0659	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	827.94	69.86
		For Tempered Low-E Insulated Glass, Add	*137.65*	
08 52 16 00-0660	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	891.35	72.57
		For Tempered Low-E Insulated Glass, Add	*149.24*	
08 52 16 00-0661	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	962.10	75.96
		For Tempered Low-E Insulated Glass, Add	*162.04*	
08 52 16 00-0662	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,064.91	81.39
		For Tempered Low-E Insulated Glass, Add	*180.43*	
08 52 16 00-0663	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,136.31	84.10
		For Tempered Low-E Insulated Glass, Add	*193.62*	
08 52 16 00-0664	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,237.77	89.53
		For Tempered Low-E Insulated Glass, Add	*212.01*	
08 52 16 00-0665	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,308.52	92.24
		For Tempered Low-E Insulated Glass, Add	*224.81*	
08 52 16 00-0666	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,411.98	96.99
		For Tempered Low-E Insulated Glass, Add	*243.60*	
08 52 16 00-0667	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,994.76	105.81
		For Tempered Low-E Insulated Glass, Add	*356.63*	

08 52 16 00-0668 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0669	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	891.35	72.57
		For Tempered Low-E Insulated Glass, Add	*149.24*	
08 52 16 00-0670	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	981.96	75.29
		For Tempered Low-E Insulated Glass, Add	*166.28*	
08 52 16 00-0671	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,061.81	78.68
		For Tempered Low-E Insulated Glass, Add	*180.89*	
08 52 16 00-0672	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,178.74	84.10
		For Tempered Low-E Insulated Glass, Add	*202.11*	
08 52 16 00-0673	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,257.23	86.81
		For Tempered Low-E Insulated Glass, Add	*216.72*	
08 52 16 00-0674	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,370.45	92.24
		For Tempered Low-E Insulated Glass, Add	*237.46*	
08 52 16 00-0675	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,192.57	94.96
		For Tempered Low-E Insulated Glass, Add	*200.53*	
08 52 16 00-0676	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,281.19	99.71
		For Tempered Low-E Insulated Glass, Add	*216.36*	

08 52 16 00-0677 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0678	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,040.89	78.68
		For Tempered Low-E Insulated Glass, Add	*178.06*	
08 52 16 00-0679	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,185.81	84.10
		For Tempered Low-E Insulated Glass, Add	*203.52*	

08 52 16 00-0680 48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0681	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,249.45	84.10
		For Tempered Low-E Insulated Glass, Add	*216.25*	
08 52 16 00-0682	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,385.88	88.17
		For Tempered Low-E Insulated Glass, Add	*242.18*	
08 52 16 00-0683	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,585.30	92.92
		For Tempered Low-E Insulated Glass, Add	*279.89*	

08 52 16 00-0684 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0685	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,551.45	91.56
		For Tempered Low-E Insulated Glass, Add	*273.66*	
08 52 16 00-0686	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,670.80	94.96
		For Tempered Low-E Insulated Glass, Add	*296.18*	

08 52 16 00-0687 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0688	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,699.15	92.24
		For Tempered Low-E Insulated Glass, Add	*302.93*	
08 52 16 00-0689	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,757.04	99.71
		For Tempered Low-E Insulated Glass, Add	*311.53*	
08 52 16 00-0690	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,946.97	103.09
		For Tempered Low-E Insulated Glass, Add	*348.16*	
08 52 16 00-0691	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,140.51	108.52
		For Tempered Low-E Insulated Glass, Add	*384.69*	

08 52 16 00-0692 Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0608)*

08 52 16 00-0693 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0694	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	525.40	55.62
		For Tempered Low-E Insulated Glass, Add	*82.83*	
08 52 16 00-0695	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	566.19	58.33
		For Tempered Low-E Insulated Glass, Add	*89.91*	
08 52 16 00-0696	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	593.05	60.36
		For Tempered Low-E Insulated Glass, Add	*94.47*	
08 52 16 00-0697	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	636.98	63.08
		For Tempered Low-E Insulated Glass, Add	*102.16*	
08 52 16 00-0698	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	683.82	66.47
		For Tempered Low-E Insulated Glass, Add	*110.18*	
08 52 16 00-0699	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	755.97	71.90
		For Tempered Low-E Insulated Glass, Add	*122.44*	
08 52 16 00-0700	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	799.11	74.60
		For Tempered Low-E Insulated Glass, Add	*129.98*	
08 52 16 00-0701	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	867.53	80.03
		For Tempered Low-E Insulated Glass, Add	*141.76*	
08 52 16 00-0702	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	914.38	82.75
		For Tempered Low-E Insulated Glass, Add	*149.78*	
08 52 16 00-0703	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	982.80	87.50
		For Tempered Low-E Insulated Glass, Add	*161.56*	

08 52 16 00-0704 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0705	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	557.76	58.33
		For Tempered Low-E Insulated Glass, Add	*88.49*	
08 52 16 00-0706	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	598.54	61.05
		For Tempered Low-E Insulated Glass, Add	*95.56*	
08 52 16 00-0707	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	623.12	62.39
		For Tempered Low-E Insulated Glass, Add	*99.66*	
08 52 16 00-0708	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	671.68	65.11
		For Tempered Low-E Insulated Glass, Add	*108.29*	
08 52 16 00-0709	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	718.54	69.18
		For Tempered Low-E Insulated Glass, Add	*116.31*	
08 52 16 00-0710	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	788.32	73.93
		For Tempered Low-E Insulated Glass, Add	*128.09*	
08 52 16 00-0711	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	833.81	77.32
		For Tempered Low-E Insulated Glass, Add	*136.11*	
08 52 16 00-0712	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	899.88	81.39
		For Tempered Low-E Insulated Glass, Add	*147.42*	
08 52 16 00-0713	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	949.09	85.45
		For Tempered Low-E Insulated Glass, Add	*155.91*	
08 52 16 00-0714	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,015.16	89.53
		For Tempered Low-E Insulated Glass, Add	*167.22*	

08 52 16 00-0715 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0716	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	593.82	61.05
		For Tempered Low-E Insulated Glass, Add	*94.62*	
08 52 16 00-0717	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	634.62	63.75
		For Tempered Low-E Insulated Glass, Add	*101.69*	
08 52 16 00-0718	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	656.52	65.11
		For Tempered Low-E Insulated Glass, Add	*105.26*	
08 52 16 00-0719	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	705.40	67.82
		For Tempered Low-E Insulated Glass, Add	*113.95*	
08 52 16 00-0720	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	752.25	71.90
		For Tempered Low-E Insulated Glass, Add	*121.96*	
08 52 16 00-0721	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	822.03	76.64
		For Tempered Low-E Insulated Glass, Add	*133.75*	
08 52 16 00-0722	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	867.53	80.03
		For Tempered Low-E Insulated Glass, Add	*141.76*	
08 52 16 00-0723	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	935.95	84.10
		For Tempered Low-E Insulated Glass, Add	*153.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0724	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	982.80	88.17
		For Tempered Low-E Insulated Glass, Add	*161.56*	
08 52 16 00-0725	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,051.23	92.24
		For Tempered Low-E Insulated Glass, Add	*173.35*	

08 52 16 00-0726 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0727	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	596.91	63.75
		For Tempered Low-E Insulated Glass, Add	*94.15*	
08 52 16 00-0728	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	651.83	66.47
		For Tempered Low-E Insulated Glass, Add	*104.05*	
08 52 16 00-0729	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	681.94	67.82
		For Tempered Low-E Insulated Glass, Add	*109.26*	
08 52 16 00-0730	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	710.82	70.54
		For Tempered Low-E Insulated Glass, Add	*113.95*	
08 52 16 00-0731	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	814.25	74.60
		For Tempered Low-E Insulated Glass, Add	*133.28*	
08 52 16 00-0732	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	907.60	79.35
		For Tempered Low-E Insulated Glass, Add	*149.78*	
08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	969.59	82.75
		For Tempered Low-E Insulated Glass, Add	*161.09*	
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,061.58	86.81
		For Tempered Low-E Insulated Glass, Add	*177.59*	
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,127.30	90.89
		For Tempered Low-E Insulated Glass, Add	*189.38*	
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,219.30	94.96
		For Tempered Low-E Insulated Glass, Add	*205.88*	

08 52 16 00-0737 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	681.94	67.82
		For Tempered Low-E Insulated Glass, Add	*109.26*	
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	719.99	69.86
		For Tempered Low-E Insulated Glass, Add	*116.06*	
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	771.40	72.57
		For Tempered Low-E Insulated Glass, Add	*125.25*	
08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	830.16	75.96
		For Tempered Low-E Insulated Glass, Add	*135.65*	
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	914.97	81.39
		For Tempered Low-E Insulated Glass, Add	*150.44*	
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	972.38	84.10
		For Tempered Low-E Insulated Glass, Add	*160.84*	
08 52 16 00-0744	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,055.85	89.53
		For Tempered Low-E Insulated Glass, Add	*175.63*	
08 52 16 00-0745	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,112.61	92.24
		For Tempered Low-E Insulated Glass, Add	*185.63*	
08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,196.07	96.99
		For Tempered Low-E Insulated Glass, Add	*200.42*	

08 52 16 00-0747 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	771.40	72.57
		For Tempered Low-E Insulated Glass, Add	*125.25*	
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	847.60	75.29
		For Tempered Low-E Insulated Glass, Add	*139.41*	
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	910.96	78.68
		For Tempered Low-E Insulated Glass, Add	*150.72*	
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,006.66	84.10
		For Tempered Low-E Insulated Glass, Add	*167.69*	
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,068.66	86.81
		For Tempered Low-E Insulated Glass, Add	*179.01*	
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,160.67	92.24
		For Tempered Low-E Insulated Glass, Add	*195.51*	
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,224.02	94.96
		For Tempered Low-E Insulated Glass, Add	*206.82*	
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,316.01	99.71
		For Tempered Low-E Insulated Glass, Add	*223.32*	

08 52 16 00-0756 Horizontal Sliding Wood Clad Windows *(08 52 16)*

Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes

08 52 16 00-0757 One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0756)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0758 17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	626.51	71.90
		For Tempered Clear Insulated Glass, Add	*96.82*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0760		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0761	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	576.48	66.47
		For Tempered Clear Insulated Glass, Add	*88.44*	
08 52 16 00-0762	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	674.22	75.96
		For Tempered Clear Insulated Glass, Add	*104.73*	
08 52 16 00-0763		35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0764	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	674.22	75.96
		For Tempered Clear Insulated Glass, Add	*104.73*	
08 52 16 00-0765	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	771.95	84.10
		For Tempered Clear Insulated Glass, Add	*121.02*	
08 52 16 00-0766	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	869.69	91.56
		For Tempered Clear Insulated Glass, Add	*137.31*	
08 52 16 00-0767	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	967.42	99.71
		For Tempered Clear Insulated Glass, Add	*153.60*	
08 52 16 00-0768		41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0769	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	724.25	80.03
		For Tempered Clear Insulated Glass, Add	*113.11*	
08 52 16 00-0770	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	819.65	88.17
		For Tempered Clear Insulated Glass, Add	*128.93*	
08 52 16 00-0771	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	917.39	95.63
		For Tempered Clear Insulated Glass, Add	*145.23*	
08 52 16 00-0772	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,096.58	103.77
		For Tempered Clear Insulated Glass, Add	*177.81*	
08 52 16 00-0773		47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0774	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	771.95	84.10
		For Tempered Clear Insulated Glass, Add	*121.02*	
08 52 16 00-0775	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	869.69	92.24
		For Tempered Clear Insulated Glass, Add	*137.31*	
08 52 16 00-0776	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	967.42	99.71
		For Tempered Clear Insulated Glass, Add	*153.60*	
08 52 16 00-0777	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,065.15	107.84
		For Tempered Clear Insulated Glass, Add	*169.89*	
08 52 16 00-0778		53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0779	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	917.39	96.31
		For Tempered Clear Insulated Glass, Add	*145.23*	
08 52 16 00-0780	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,015.12	103.77
		For Tempered Clear Insulated Glass, Add	*161.52*	
08 52 16 00-0781	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,112.86	111.90
		For Tempered Clear Insulated Glass, Add	*177.81*	
08 52 16 00-0782		59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0783	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	967.42	100.38
		For Tempered Clear Insulated Glass, Add	*153.60*	
08 52 16 00-0784	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,065.15	107.84
		For Tempered Clear Insulated Glass, Add	*169.89*	
08 52 16 00-0785	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,163.06	115.98
		For Tempered Clear Insulated Glass, Add	*186.22*	
08 52 16 00-0786		Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0756)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0788	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,393.13	66.47
		For Tempered Low-E Insulated Glass, Add	*251.77*	
08 52 16 00-0789	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,658.44	75.96
		For Tempered Low-E Insulated Glass, Add	*301.57*	
08 52 16 00-0790		35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0791	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,679.38	75.96
		For Tempered Low-E Insulated Glass, Add	*305.76*	
08 52 16 00-0792	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,947.01	84.10
		For Tempered Low-E Insulated Glass, Add	*356.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0793	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,212.32	91.56
		For Tempered Low-E Insulated Glass, Add	*405.84*	
08 52 16 00-0794	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,477.61	99.71
		For Tempered Low-E Insulated Glass, Add	*455.64*	

08 52 16 00-0795 41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0796	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,813.20	80.03
		For Tempered Low-E Insulated Glass, Add	*330.90*	
08 52 16 00-0797	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,078.49	88.17
		For Tempered Low-E Insulated Glass, Add	*380.70*	
08 52 16 00-0798	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,346.12	95.63
		For Tempered Low-E Insulated Glass, Add	*430.97*	
08 52 16 00-0799	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,611.43	103.77
		For Tempered Low-E Insulated Glass, Add	*480.78*	

08 52 16 00-0800 47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0801	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,947.01	84.10
		For Tempered Low-E Insulated Glass, Add	*356.03*	
08 52 16 00-0802	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,212.32	92.24
		For Tempered Low-E Insulated Glass, Add	*405.84*	
08 52 16 00-0803	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,477.61	99.71
		For Tempered Low-E Insulated Glass, Add	*455.64*	
08 52 16 00-0804	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,745.24	107.84
		For Tempered Low-E Insulated Glass, Add	*505.91*	

08 52 16 00-0805 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0806	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,212.32	92.24
		For Tempered Low-E Insulated Glass, Add	*405.84*	
08 52 16 00-0807	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,477.61	100.38
		For Tempered Low-E Insulated Glass, Add	*455.64*	
08 52 16 00-0808	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,745.24	107.84
		For Tempered Low-E Insulated Glass, Add	*505.91*	
08 52 16 00-0809	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	3,010.54	115.98
		For Tempered Low-E Insulated Glass, Add	*555.72*	

08 52 16 00-0810 Picture Wood Clad Windows *(08 52 16)*

Note: Picture windows are fixed windows.

08 52 16 00-0811 Picture Wood Clad Windows For Awning And Casement Windows *(08 52 16 00-0810)*

08 52 16 00-0812 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0811)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0813 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0814	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	492.56	54.26
		For Tempered Clear Insulated Glass, Add	*76.81*	
08 52 16 00-0815	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	576.15	59.69
		For Tempered Clear Insulated Glass, Add	*91.36*	
08 52 16 00-0816	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	612.03	62.39
		For Tempered Clear Insulated Glass, Add	*97.45*	
08 52 16 00-0817	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	663.82	67.82
		For Tempered Clear Insulated Glass, Add	*105.91*	
08 52 16 00-0818	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	699.36	70.54
		For Tempered Clear Insulated Glass, Add	*111.66*	
08 52 16 00-0819	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	751.15	75.96
		For Tempered Clear Insulated Glass, Add	*120.12*	

08 52 16 00-0820 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0821	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	547.25	66.47
		For Tempered Clear Insulated Glass, Add	*82.86*	
08 52 16 00-0822	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	632.31	70.54
		For Tempered Clear Insulated Glass, Add	*98.52*	
08 52 16 00-0823	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	757.73	75.29
		For Tempered Clear Insulated Glass, Add	*121.43*	
08 52 16 00-0824	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	839.52	78.00
		For Tempered Clear Insulated Glass, Add	*136.71*	
08 52 16 00-0825	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	961.67	82.75
		For Tempered Clear Insulated Glass, Add	*159.24*	
08 52 16 00-0826	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,046.74	86.14
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0827	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,550.74	90.89
		For Tempered Clear Insulated Glass, Add	*273.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0828		40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0829	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	632.31	70.54
		For Tempered Clear Insulated Glass, Add	*98.52*	
08 52 16 00-0830	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	717.38	73.25
		For Tempered Clear Insulated Glass, Add	*114.18*	
08 52 16 00-0831	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	842.79	78.68
		For Tempered Clear Insulated Glass, Add	*137.09*	
08 52 16 00-0832	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	924.58	81.39
		For Tempered Clear Insulated Glass, Add	*152.36*	
08 52 16 00-0833	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,046.74	86.81
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0834	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,131.79	89.53
		For Tempered Clear Insulated Glass, Add	*190.55*	
08 52 16 00-0835	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,253.94	94.96
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0836		48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0837	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	757.73	75.96
		For Tempered Clear Insulated Glass, Add	*121.43*	
08 52 16 00-0838	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	842.79	78.68
		For Tempered Clear Insulated Glass, Add	*137.09*	
08 52 16 00-0839	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	968.20	84.10
		For Tempered Clear Insulated Glass, Add	*160.00*	
08 52 16 00-0840	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,049.99	86.81
		For Tempered Clear Insulated Glass, Add	*175.27*	
08 52 16 00-0841	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,172.15	92.24
		For Tempered Clear Insulated Glass, Add	*197.80*	
08 52 16 00-0842	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,257.21	94.96
		For Tempered Clear Insulated Glass, Add	*213.46*	
08 52 16 00-0843	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,379.35	100.38
		For Tempered Clear Insulated Glass, Add	*235.99*	
08 52 16 00-0844		52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0845	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	839.52	78.68
		For Tempered Clear Insulated Glass, Add	*136.71*	
08 52 16 00-0846	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	924.58	81.39
		For Tempered Clear Insulated Glass, Add	*152.36*	
08 52 16 00-0847	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,049.99	86.81
		For Tempered Clear Insulated Glass, Add	*175.27*	
08 52 16 00-0848	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,131.79	89.53
		For Tempered Clear Insulated Glass, Add	*190.55*	
08 52 16 00-0849	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,253.94	94.96
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0850	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,339.01	97.66
		For Tempered Clear Insulated Glass, Add	*228.73*	
08 52 16 00-0851	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,573.80	103.09
		For Tempered Clear Insulated Glass, Add	*273.79*	
08 52 16 00-0852		59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0853	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	961.67	82.75
		For Tempered Clear Insulated Glass, Add	*159.24*	
08 52 16 00-0854	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,046.74	86.81
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0855	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,172.15	91.56
		For Tempered Clear Insulated Glass, Add	*197.80*	
08 52 16 00-0856	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,253.94	94.27
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0857	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,376.08	99.02
		For Tempered Clear Insulated Glass, Add	*235.61*	
08 52 16 00-0858	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,461.15	102.41
		For Tempered Clear Insulated Glass, Add	*251.26*	
08 52 16 00-0859	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,583.29	107.16
		For Tempered Clear Insulated Glass, Add	*273.79*	
08 52 16 00-0860		64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0861	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,046.74	86.81
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0862	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,131.79	89.53
		For Tempered Clear Insulated Glass, Add	*190.55*	
08 52 16 00-0863	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,257.21	94.96
		For Tempered Clear Insulated Glass, Add	*213.46*	
08 52 16 00-0864	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,339.01	97.66
		For Tempered Clear Insulated Glass, Add	*228.73*	
08 52 16 00-0865	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,573.80	103.09
		For Tempered Clear Insulated Glass, Add	*273.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0866		**71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)** *(08 52 16 00-0812)*		
08 52 16 00-0867	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,168.88	90.89
		For Tempered Clear Insulated Glass, Add	*197.42*	
08 52 16 00-0868	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,253.94	94.96
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0869	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,379.35	99.71
		For Tempered Clear Insulated Glass, Add	*235.99*	
08 52 16 00-0870	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,461.15	102.41
		For Tempered Clear Insulated Glass, Add	*251.26*	
08 52 16 00-0871	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,583.29	107.16
		For Tempered Clear Insulated Glass, Add	*273.79*	
08 52 16 00-0872		**Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0811)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873		**12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*		
08 52 16 00-0874	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	582.64	54.26
		For Tempered Low-E Insulated Glass, Add	*94.82*	
08 52 16 00-0875	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	683.30	59.69
		For Tempered Low-E Insulated Glass, Add	*112.79*	
08 52 16 00-0876	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	726.32	62.39
		For Tempered Low-E Insulated Glass, Add	*120.30*	
08 52 16 00-0877	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	788.03	67.82
		For Tempered Low-E Insulated Glass, Add	*130.75*	
08 52 16 00-0878	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	830.32	70.54
		For Tempered Low-E Insulated Glass, Add	*137.85*	
08 52 16 00-0879	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	892.03	75.96
		For Tempered Low-E Insulated Glass, Add	*148.29*	
08 52 16 00-0880		**35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*		
08 52 16 00-0881	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	644.43	66.47
		For Tempered Low-E Insulated Glass, Add	*102.30*	
08 52 16 00-0882	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	747.86	70.54
		For Tempered Low-E Insulated Glass, Add	*121.63*	
08 52 16 00-0883	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	900.15	75.29
		For Tempered Low-E Insulated Glass, Add	*149.92*	
08 52 16 00-0884	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	999.85	78.00
		For Tempered Low-E Insulated Glass, Add	*168.77*	
08 52 16 00-0885	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,148.43	82.75
		For Tempered Low-E Insulated Glass, Add	*196.59*	
08 52 16 00-0886	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,251.86	86.14
		For Tempered Low-E Insulated Glass, Add	*215.92*	
08 52 16 00-0887	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,871.86	90.89
		For Tempered Low-E Insulated Glass, Add	*338.02*	
08 52 16 00-0888		**40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*		
08 52 16 00-0889	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	747.86	70.54
		For Tempered Low-E Insulated Glass, Add	*121.63*	
08 52 16 00-0890	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	851.29	73.25
		For Tempered Low-E Insulated Glass, Add	*140.96*	
08 52 16 00-0891	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,003.57	78.68
		For Tempered Low-E Insulated Glass, Add	*169.24*	
08 52 16 00-0892	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,103.28	81.39
		For Tempered Low-E Insulated Glass, Add	*188.10*	
08 52 16 00-0893	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,251.86	86.81
		For Tempered Low-E Insulated Glass, Add	*215.92*	
08 52 16 00-0894	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,355.27	89.53
		For Tempered Low-E Insulated Glass, Add	*235.24*	
08 52 16 00-0895	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,503.85	94.96
		For Tempered Low-E Insulated Glass, Add	*263.06*	
08 52 16 00-0896		**48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*		
08 52 16 00-0897	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	900.15	75.96
		For Tempered Low-E Insulated Glass, Add	*149.92*	
08 52 16 00-0898	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,003.57	78.68
		For Tempered Low-E Insulated Glass, Add	*169.24*	
08 52 16 00-0899	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,155.85	84.10
		For Tempered Low-E Insulated Glass, Add	*197.53*	
08 52 16 00-0900	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,255.56	86.81
		For Tempered Low-E Insulated Glass, Add	*216.39*	
08 52 16 00-0901	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,404.14	92.24
		For Tempered Low-E Insulated Glass, Add	*244.20*	
08 52 16 00-0902	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,507.56	94.96
		For Tempered Low-E Insulated Glass, Add	*263.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0903	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,656.13	100.38
		For Tempered Low-E Insulated Glass, Add	*291.35*	
08 52 16 00-0904		52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*		
08 52 16 00-0905	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	999.85	78.68
		For Tempered Low-E Insulated Glass, Add	*168.77*	
08 52 16 00-0906	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,103.28	81.39
		For Tempered Low-E Insulated Glass, Add	*188.10*	
08 52 16 00-0907	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,255.56	86.81
		For Tempered Low-E Insulated Glass, Add	*216.39*	
08 52 16 00-0908	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,355.27	89.53
		For Tempered Low-E Insulated Glass, Add	*235.24*	
08 52 16 00-0909	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,503.85	94.96
		For Tempered Low-E Insulated Glass, Add	*263.06*	
08 52 16 00-0910	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,607.28	97.66
		For Tempered Low-E Insulated Glass, Add	*282.39*	
08 52 16 00-0911	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,894.92	103.09
		For Tempered Low-E Insulated Glass, Add	*338.02*	
08 52 16 00-0912		59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*		
08 52 16 00-0913	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,148.43	82.75
		For Tempered Low-E Insulated Glass, Add	*196.59*	
08 52 16 00-0914	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,251.86	86.81
		For Tempered Low-E Insulated Glass, Add	*215.92*	
08 52 16 00-0915	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,404.14	91.56
		For Tempered Low-E Insulated Glass, Add	*244.20*	
08 52 16 00-0916	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,503.85	94.27
		For Tempered Low-E Insulated Glass, Add	*263.06*	
08 52 16 00-0917	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,652.41	99.02
		For Tempered Low-E Insulated Glass, Add	*290.87*	
08 52 16 00-0918	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,755.84	102.41
		For Tempered Low-E Insulated Glass, Add	*310.20*	
08 52 16 00-0919	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,904.41	107.16
		For Tempered Low-E Insulated Glass, Add	*338.02*	
08 52 16 00-0920		64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*		
08 52 16 00-0921	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,251.86	86.81
		For Tempered Low-E Insulated Glass, Add	*215.92*	
08 52 16 00-0922	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,355.27	89.53
		For Tempered Low-E Insulated Glass, Add	*235.24*	
08 52 16 00-0923	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,507.56	94.96
		For Tempered Low-E Insulated Glass, Add	*263.53*	
08 52 16 00-0924	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,607.28	97.66
		For Tempered Low-E Insulated Glass, Add	*282.39*	
08 52 16 00-0925	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,894.92	103.09
		For Tempered Low-E Insulated Glass, Add	*338.02*	
08 52 16 00-0926		71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*		
08 52 16 00-0927	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,400.42	90.89
		For Tempered Low-E Insulated Glass, Add	*243.73*	
08 52 16 00-0928	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,503.85	94.96
		For Tempered Low-E Insulated Glass, Add	*263.06*	
08 52 16 00-0929	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,656.13	99.71
		For Tempered Low-E Insulated Glass, Add	*291.35*	
08 52 16 00-0930	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,755.84	102.41
		For Tempered Low-E Insulated Glass, Add	*310.20*	
08 52 16 00-0931	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,904.41	107.16
		For Tempered Low-E Insulated Glass, Add	*338.02*	
08 52 16 00-0932		Picture Wood Clad Windows For Double Hung Windows *(08 52 16 00-0810)*		
08 52 16 00-0933		Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0932)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934		35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0935	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	702.16	84.78
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-0936	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	720.84	86.81
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-0937		47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0938	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	720.84	86.81
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-0939	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	874.55	103.09
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-0940		53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0941	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	818.48	96.99
		For Tempered Clear Insulated Glass, Add	*124.90*	
08 52 16 00-0942	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	837.16	99.02
		For Tempered Clear Insulated Glass, Add	*127.82*	
08 52 16 00-0943		56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0944	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	702.16	85.45
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	818.48	96.99
		For Tempered Clear Insulated Glass, Add	*124.90*	
08 52 16 00-0946		59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	720.84	86.81
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	837.16	99.02
		For Tempered Clear Insulated Glass, Add	*127.82*	
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	874.55	103.09
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	914.01	107.16
		For Tempered Clear Insulated Glass, Add	*139.94*	
08 52 16 00-0951		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	914.01	107.16
		For Tempered Clear Insulated Glass, Add	*139.94*	
08 52 16 00-0953		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0954	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	874.55	103.09
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-0955		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0932)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0957	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	781.25	63.75
		For Tempered Low-E Insulated Glass, Add	*130.75*	
08 52 16 00-0958	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,090.86	81.39
		For Tempered Low-E Insulated Glass, Add	*185.89*	
08 52 16 00-0959	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,138.06	83.42
		For Tempered Low-E Insulated Glass, Add	*194.24*	
08 52 16 00-0960	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,208.85	87.50
		For Tempered Low-E Insulated Glass, Add	*206.77*	
08 52 16 00-0961	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,256.05	90.89
		For Tempered Low-E Insulated Glass, Add	*215.13*	
08 52 16 00-0962	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,352.54	95.63
		For Tempered Low-E Insulated Glass, Add	*232.26*	
08 52 16 00-0963	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,449.03	101.74
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-0964		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0965	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	830.53	66.47
		For Tempered Low-E Insulated Glass, Add	*139.52*	
08 52 16 00-0966	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,138.06	84.10
		For Tempered Low-E Insulated Glass, Add	*194.24*	
08 52 16 00-0967	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,187.35	86.14
		For Tempered Low-E Insulated Glass, Add	*203.01*	
08 52 16 00-0968	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,256.05	90.20
		For Tempered Low-E Insulated Glass, Add	*215.13*	
08 52 16 00-0969	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,305.33	93.60
		For Tempered Low-E Insulated Glass, Add	*223.90*	
08 52 16 00-0970	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,401.82	98.35
		For Tempered Low-E Insulated Glass, Add	*241.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0971	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,498.31	104.45
		For Tempered Low-E Insulated Glass, Add	*258.15*	

08 52 16 00-0972 56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0973	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	877.73	69.18
		For Tempered Low-E Insulated Glass, Add	*147.87*	
08 52 16 00-0974	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,187.35	86.81
		For Tempered Low-E Insulated Glass, Add	*203.01*	
08 52 16 00-0975	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,234.54	88.85
		For Tempered Low-E Insulated Glass, Add	*211.37*	
08 52 16 00-0976	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,305.33	92.92
		For Tempered Low-E Insulated Glass, Add	*223.90*	
08 52 16 00-0977	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,352.54	96.31
		For Tempered Low-E Insulated Glass, Add	*232.26*	
08 52 16 00-0978	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,449.03	101.05
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-0979	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,547.60	107.16
		For Tempered Low-E Insulated Glass, Add	*266.93*	

08 52 16 00-0980 60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0981	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	927.02	71.90
		For Tempered Low-E Insulated Glass, Add	*156.65*	
08 52 16 00-0982	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,234.54	89.53
		For Tempered Low-E Insulated Glass, Add	*211.37*	
08 52 16 00-0983	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,283.84	91.56
		For Tempered Low-E Insulated Glass, Add	*220.14*	
08 52 16 00-0984	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,352.54	95.63
		For Tempered Low-E Insulated Glass, Add	*232.26*	
08 52 16 00-0985	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,401.82	99.02
		For Tempered Low-E Insulated Glass, Add	*241.03*	
08 52 16 00-0986	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,498.31	103.77
		For Tempered Low-E Insulated Glass, Add	*258.15*	
08 52 16 00-0987	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,594.79	109.87
		For Tempered Low-E Insulated Glass, Add	*275.28*	

08 52 16 00-0988 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0989	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	974.23	74.60
		For Tempered Low-E Insulated Glass, Add	*165.00*	
08 52 16 00-0990	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,283.84	92.24
		For Tempered Low-E Insulated Glass, Add	*220.14*	
08 52 16 00-0991	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,333.12	94.27
		For Tempered Low-E Insulated Glass, Add	*228.91*	
08 52 16 00-0992	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,401.82	98.35
		For Tempered Low-E Insulated Glass, Add	*241.03*	
08 52 16 00-0993	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,449.03	101.74
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-0994	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,547.60	106.48
		For Tempered Low-E Insulated Glass, Add	*266.93*	
08 52 16 00-0995	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,644.08	112.59
		For Tempered Low-E Insulated Glass, Add	*284.05*	

08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0997	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,023.51	77.32
		For Tempered Low-E Insulated Glass, Add	*173.77*	
08 52 16 00-0998	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,333.12	94.96
		For Tempered Low-E Insulated Glass, Add	*228.91*	
08 52 16 00-0999	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,380.32	96.99
		For Tempered Low-E Insulated Glass, Add	*237.27*	
08 52 16 00-1000	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,449.03	101.05
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-1001	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,498.31	104.45
		For Tempered Low-E Insulated Glass, Add	*258.15*	
08 52 16 00-1002	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,594.79	109.20
		For Tempered Low-E Insulated Glass, Add	*275.28*	
08 52 16 00-1003	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,691.28	115.30
		For Tempered Low-E Insulated Glass, Add	*292.41*	

08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-1005	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,070.71	80.03
		For Tempered Low-E Insulated Glass, Add	*182.13*	
08 52 16 00-1006	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,380.32	97.66
		For Tempered Low-E Insulated Glass, Add	*237.27*	
08 52 16 00-1007	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,429.60	99.71
		For Tempered Low-E Insulated Glass, Add	*246.04*	
08 52 16 00-1008	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,498.31	103.77
		For Tempered Low-E Insulated Glass, Add	*258.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1009	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,547.60	107.16
		For Tempered Low-E Insulated Glass, Add	*266.93*	
08 52 16 00-1010	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,644.08	111.90
		For Tempered Low-E Insulated Glass, Add	*284.05*	
08 52 16 00-1011	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,740.57	118.01
		For Tempered Low-E Insulated Glass, Add	*301.18*	

08 52 16 00-1012 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-1013	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,119.99	82.75
		For Tempered Low-E Insulated Glass, Add	*190.90*	
08 52 16 00-1014	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,429.60	100.38
		For Tempered Low-E Insulated Glass, Add	*246.04*	
08 52 16 00-1015	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,476.80	102.41
		For Tempered Low-E Insulated Glass, Add	*254.39*	
08 52 16 00-1016	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,547.60	106.48
		For Tempered Low-E Insulated Glass, Add	*266.93*	
08 52 16 00-1017	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,594.79	109.87
		For Tempered Low-E Insulated Glass, Add	*275.28*	
08 52 16 00-1018	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,691.28	114.62
		For Tempered Low-E Insulated Glass, Add	*292.41*	
08 52 16 00-1019	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,787.77	120.72
		For Tempered Low-E Insulated Glass, Add	*309.53*	

08 52 16 00-1020 Picture Wood Clad Windows For Horizontal Sliding Windows *(08 52 16 00-0810)*

08 52 16 00-1021 Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1020)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-1022 35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1023	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	702.16	84.78
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-1024	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	720.84	86.81
		For Tempered Clear Insulated Glass, Add	*109.44*	

08 52 16 00-1025 47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1026	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	720.84	86.81
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-1027	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	874.55	103.09
		For Tempered Clear Insulated Glass, Add	*133.67*	

08 52 16 00-1028 53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1029	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	818.48	96.99
		For Tempered Clear Insulated Glass, Add	*124.90*	
08 52 16 00-1030	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	837.16	99.02
		For Tempered Clear Insulated Glass, Add	*127.82*	

08 52 16 00-1031 56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1032	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	702.16	85.45
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-1033	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	818.48	96.99
		For Tempered Clear Insulated Glass, Add	*124.90*	

08 52 16 00-1034 59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1035	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	720.84	86.81
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-1036	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	837.16	99.02
		For Tempered Clear Insulated Glass, Add	*127.82*	
08 52 16 00-1037	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	874.55	103.09
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-1038	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	914.01	107.16
		For Tempered Clear Insulated Glass, Add	*139.94*	

08 52 16 00-1039 65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*

08 52 16 00-1040	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	914.01	107.16
		For Tempered Clear Insulated Glass, Add	*139.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1041		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1042	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	874.55	103.09
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-1043		Basement Wood Clad Windows *(08 52 16)*		
		Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1044		Basement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-1043)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	372.28	54.26
08 52 16 00-1046	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	392.10	54.26
08 52 16 00-1047	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	409.52	54.26
08 52 16 00-1048		Factory Installed Grilles For Wood Clad Windows *(08 52 16)*		
08 52 16 00-1049		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1050	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	51.54	
08 52 16 00-1051	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	75.95	
08 52 16 00-1052	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	103.08	
08 52 16 00-1053	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	130.20	
08 52 16 00-1054	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	184.45	
08 52 16 00-1055		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1056	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	82.46	
08 52 16 00-1057	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	121.52	
08 52 16 00-1058	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	164.92	
08 52 16 00-1059	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	208.32	
08 52 16 00-1060	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	295.12	
08 52 16 00-1061		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1062	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	98.95	
08 52 16 00-1063	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	145.82	
08 52 16 00-1064	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	197.90	
08 52 16 00-1065	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	249.98	
08 52 16 00-1066	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	354.14	
08 52 16 00-1067		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1068	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	118.75	
08 52 16 00-1069	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	174.98	
08 52 16 00-1070	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	237.48	
08 52 16 00-1071	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	299.98	
08 52 16 00-1072	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	424.97	
08 52 66		**Wood Window Screens** *(08 52)*		
08 52 66 00-0001		Insect Screens For Wood Clad Windows *(08 52 66)*		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	47.67	9.24
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	56.01	9.24
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	60.18	9.24
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	68.52	9.24
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	85.20	9.24
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	93.54	9.24
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	101.89	9.24
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	110.23	9.24
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	3.32	0.18

08 53 Plastic Windows *(08 50)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 53 13 Vinyl Windows *(08 53)*

08 53 13 00-0001 Single Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	448.19	62.39
		For Colored Vinyl, Add	*32.34*	
		For Tinted Glass, Add	*38.81*	
		For Low-E Insulated Glass, Add	*80.85*	
		For Obscure Glass, Add	*88.93*	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	471.63	65.11
		For Colored Vinyl, Add	*34.14*	
		For Tinted Glass, Add	*40.97*	
		For Low-E Insulated Glass, Add	*85.35*	
		For Obscure Glass, Add	*93.89*	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	481.30	66.47
		For Colored Vinyl, Add	*34.84*	
		For Tinted Glass, Add	*41.80*	
		For Low-E Insulated Glass, Add	*87.09*	
		For Obscure Glass, Add	*95.80*	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	491.89	67.82
		For Colored Vinyl, Add	*35.62*	
		For Tinted Glass, Add	*42.75*	
		For Low-E Insulated Glass, Add	*89.06*	
		For Obscure Glass, Add	*97.97*	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	519.34	70.54
		For Colored Vinyl, Add	*37.83*	
		For Tinted Glass, Add	*45.39*	
		For Low-E Insulated Glass, Add	*94.57*	
		For Obscure Glass, Add	*104.02*	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	563.50	75.96
		For Colored Vinyl, Add	*41.16*	
		For Tinted Glass, Add	*49.39*	
		For Low-E Insulated Glass, Add	*102.90*	
		For Obscure Glass, Add	*113.18*	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	457.24	63.75
		For Colored Vinyl, Add	*32.97*	
		For Tinted Glass, Add	*39.57*	
		For Low-E Insulated Glass, Add	*82.43*	
		For Obscure Glass, Add	*90.68*	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	480.69	65.11
		For Colored Vinyl, Add	*34.78*	
		For Tinted Glass, Add	*41.73*	
		For Low-E Insulated Glass, Add	*86.94*	
		For Obscure Glass, Add	*95.63*	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	490.36	67.82
		For Colored Vinyl, Add	*35.47*	
		For Tinted Glass, Add	*42.57*	
		For Low-E Insulated Glass, Add	*88.68*	
		For Obscure Glass, Add	*97.55*	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	500.94	69.18
		For Colored Vinyl, Add	*36.26*	
		For Tinted Glass, Add	*43.51*	
		For Low-E Insulated Glass, Add	*90.65*	
		For Obscure Glass, Add	*99.71*	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	528.41	71.90
		For Colored Vinyl, Add	*38.46*	
		For Tinted Glass, Add	*46.15*	
		For Low-E Insulated Glass, Add	*96.16*	
		For Obscure Glass, Add	*105.77*	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	572.57	77.32
		For Colored Vinyl, Add	*41.79*	
		For Tinted Glass, Add	*50.15*	
		For Low-E Insulated Glass, Add	*104.48*	
		For Obscure Glass, Add	*114.93*	

08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	465.99	65.11
		For Colored Vinyl, Add	*33.58*	
		For Tinted Glass, Add	*40.29*	
		For Low-E Insulated Glass, Add	*83.94*	
		For Obscure Glass, Add	*92.34*	
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	489.45	67.82
		For Colored Vinyl, Add	*35.38*	
		For Tinted Glass, Add	*42.46*	
		For Low-E Insulated Glass, Add	*88.45*	
		For Obscure Glass, Add	*97.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	499.52	69.18
		For Colored Vinyl, Add	*36.12*	
		For Tinted Glass, Add	*43.34*	
		For Low-E Insulated Glass, Add	*90.29*	
		For Obscure Glass, Add	*99.32*	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	510.10	70.54
		For Colored Vinyl, Add	*36.90*	
		For Tinted Glass, Add	*44.28*	
		For Low-E Insulated Glass, Add	*92.26*	
		For Obscure Glass, Add	*101.48*	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	538.03	73.25
		For Colored Vinyl, Add	*39.15*	
		For Tinted Glass, Add	*46.98*	
		For Low-E Insulated Glass, Add	*97.88*	
		For Obscure Glass, Add	*107.67*	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	582.79	78.68
		For Colored Vinyl, Add	*42.54*	
		For Tinted Glass, Add	*51.05*	
		For Low-E Insulated Glass, Add	*106.36*	
		For Obscure Glass, Add	*117.00*	

08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	492.82	69.18
		For Colored Vinyl, Add	*35.45*	
		For Tinted Glass, Add	*42.54*	
		For Low-E Insulated Glass, Add	*88.62*	
		For Obscure Glass, Add	*97.48*	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	516.27	71.90
		For Colored Vinyl, Add	*37.25*	
		For Tinted Glass, Add	*44.70*	
		For Low-E Insulated Glass, Add	*93.12*	
		For Obscure Glass, Add	*102.43*	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	527.67	73.25
		For Colored Vinyl, Add	*38.12*	
		For Tinted Glass, Add	*45.74*	
		For Low-E Insulated Glass, Add	*95.29*	
		For Obscure Glass, Add	*104.82*	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	538.26	74.60
		For Colored Vinyl, Add	*38.90*	
		For Tinted Glass, Add	*46.68*	
		For Low-E Insulated Glass, Add	*97.26*	
		For Obscure Glass, Add	*106.99*	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	567.49	77.32
		For Colored Vinyl, Add	*41.29*	
		For Tinted Glass, Add	*49.54*	
		For Low-E Insulated Glass, Add	*103.21*	
		For Obscure Glass, Add	*113.53*	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	613.93	82.75
		For Colored Vinyl, Add	*44.84*	
		For Tinted Glass, Add	*53.81*	
		For Low-E Insulated Glass, Add	*112.11*	
		For Obscure Glass, Add	*123.32*	

08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	501.88	70.54
		For Colored Vinyl, Add	*36.08*	
		For Tinted Glass, Add	*43.30*	
		For Low-E Insulated Glass, Add	*90.20*	
		For Obscure Glass, Add	*99.22*	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	525.33	73.25
		For Colored Vinyl, Add	*37.88*	
		For Tinted Glass, Add	*45.46*	
		For Low-E Insulated Glass, Add	*94.71*	
		For Obscure Glass, Add	*104.18*	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	537.14	74.60
		For Colored Vinyl, Add	*38.79*	
		For Tinted Glass, Add	*46.55*	
		For Low-E Insulated Glass, Add	*96.98*	
		For Obscure Glass, Add	*106.68*	
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	547.71	75.96
		For Colored Vinyl, Add	*39.58*	
		For Tinted Glass, Add	*47.49*	
		For Low-E Insulated Glass, Add	*98.95*	
		For Obscure Glass, Add	*108.84*	
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	577.36	78.68
		For Colored Vinyl, Add	*42.00*	
		For Tinted Glass, Add	*50.40*	
		For Low-E Insulated Glass, Add	*105.00*	
		For Obscure Glass, Add	*115.50*	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	624.41	84.10
		For Colored Vinyl, Add	*45.62*	
		For Tinted Glass, Add	*54.75*	
		For Low-E Insulated Glass, Add	*114.05*	
		For Obscure Glass, Add	*125.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0038		48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	511.04	71.90
		For Colored Vinyl, Add	*36.73*	
		For Tinted Glass, Add	*44.07*	
		For Low-E Insulated Glass, Add	*91.81*	
		For Obscure Glass, Add	*100.99*	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	534.50	74.60
		For Colored Vinyl, Add	*38.53*	
		For Tinted Glass, Add	*46.23*	
		For Low-E Insulated Glass, Add	*96.32*	
		For Obscure Glass, Add	*105.95*	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	546.69	75.96
		For Colored Vinyl, Add	*39.48*	
		For Tinted Glass, Add	*47.37*	
		For Low-E Insulated Glass, Add	*98.69*	
		For Obscure Glass, Add	*108.56*	
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	557.28	77.32
		For Colored Vinyl, Add	*40.26*	
		For Tinted Glass, Add	*48.32*	
		For Low-E Insulated Glass, Add	*100.66*	
		For Obscure Glass, Add	*110.73*	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	587.39	80.03
		For Colored Vinyl, Add	*42.73*	
		For Tinted Glass, Add	*51.28*	
		For Low-E Insulated Glass, Add	*106.83*	
		For Obscure Glass, Add	*117.51*	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	635.00	85.45
		For Colored Vinyl, Add	*46.41*	
		For Tinted Glass, Add	*55.69*	
		For Low-E Insulated Glass, Add	*116.02*	
		For Obscure Glass, Add	*127.62*	
08 53 13 00-0045		50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	519.80	73.25
		For Colored Vinyl, Add	*37.33*	
		For Tinted Glass, Add	*44.80*	
		For Low-E Insulated Glass, Add	*93.33*	
		For Obscure Glass, Add	*102.66*	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	543.24	75.96
		For Colored Vinyl, Add	*39.13*	
		For Tinted Glass, Add	*46.96*	
		For Low-E Insulated Glass, Add	*97.83*	
		For Obscure Glass, Add	*107.61*	
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	555.91	77.32
		For Colored Vinyl, Add	*40.13*	
		For Tinted Glass, Add	*48.15*	
		For Low-E Insulated Glass, Add	*100.32*	
		For Obscure Glass, Add	*110.35*	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	566.49	78.68
		For Colored Vinyl, Add	*40.91*	
		For Tinted Glass, Add	*49.10*	
		For Low-E Insulated Glass, Add	*102.29*	
		For Obscure Glass, Add	*112.51*	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	597.00	81.39
		For Colored Vinyl, Add	*43.42*	
		For Tinted Glass, Add	*52.11*	
		For Low-E Insulated Glass, Add	*108.56*	
		For Obscure Glass, Add	*119.41*	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	645.17	86.81
		For Colored Vinyl, Add	*47.16*	
		For Tinted Glass, Add	*56.59*	
		For Low-E Insulated Glass, Add	*117.89*	
		For Obscure Glass, Add	*129.68*	
08 53 13 00-0052		52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	528.61	74.60
		For Colored Vinyl, Add	*37.94*	
		For Tinted Glass, Add	*45.53*	
		For Low-E Insulated Glass, Add	*94.85*	
		For Obscure Glass, Add	*104.33*	
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	552.06	77.32
		For Colored Vinyl, Add	*39.74*	
		For Tinted Glass, Add	*47.69*	
		For Low-E Insulated Glass, Add	*99.36*	
		For Obscure Glass, Add	*109.29*	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	565.17	78.68
		For Colored Vinyl, Add	*40.78*	
		For Tinted Glass, Add	*48.94*	
		For Low-E Insulated Glass, Add	*101.96*	
		For Obscure Glass, Add	*112.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	575.76	80.03
		For Colored Vinyl, Add	*41.57*	
		For Tinted Glass, Add	*49.88*	
		For Low-E Insulated Glass, Add	*103.92*	
		For Obscure Glass, Add	*114.31*	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	606.72	82.75
		For Colored Vinyl, Add	*44.12*	
		For Tinted Glass, Add	*52.95*	
		For Low-E Insulated Glass, Add	*110.31*	
		For Obscure Glass, Add	*121.34*	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	655.45	88.17
		For Colored Vinyl, Add	*47.91*	
		For Tinted Glass, Add	*57.49*	
		For Low-E Insulated Glass, Add	*119.78*	
		For Obscure Glass, Add	*131.76*	

08 53 13 00-0059 54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	537.40	75.96
		For Colored Vinyl, Add	*38.55*	
		For Tinted Glass, Add	*46.26*	
		For Low-E Insulated Glass, Add	*96.37*	
		For Obscure Glass, Add	*106.01*	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	560.86	78.68
		For Colored Vinyl, Add	*40.35*	
		For Tinted Glass, Add	*48.42*	
		For Low-E Insulated Glass, Add	*100.88*	
		For Obscure Glass, Add	*110.97*	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	574.39	80.03
		For Colored Vinyl, Add	*41.43*	
		For Tinted Glass, Add	*49.72*	
		For Low-E Insulated Glass, Add	*103.58*	
		For Obscure Glass, Add	*113.94*	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	584.96	81.39
		For Colored Vinyl, Add	*42.22*	
		For Tinted Glass, Add	*50.66*	
		For Low-E Insulated Glass, Add	*105.55*	
		For Obscure Glass, Add	*116.10*	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	616.34	84.10
		For Colored Vinyl, Add	*44.81*	
		For Tinted Glass, Add	*53.78*	
		For Low-E Insulated Glass, Add	*112.04*	
		For Obscure Glass, Add	*123.24*	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	665.63	89.53
		For Colored Vinyl, Add	*48.66*	
		For Tinted Glass, Add	*58.39*	
		For Low-E Insulated Glass, Add	*121.65*	
		For Obscure Glass, Add	*133.81*	

08 53 13 00-0066 60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	564.59	80.03
		For Colored Vinyl, Add	*40.45*	
		For Tinted Glass, Add	*48.54*	
		For Low-E Insulated Glass, Add	*101.13*	
		For Obscure Glass, Add	*111.24*	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	588.04	82.75
		For Colored Vinyl, Add	*42.26*	
		For Tinted Glass, Add	*50.71*	
		For Low-E Insulated Glass, Add	*105.64*	
		For Obscure Glass, Add	*116.20*	
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	602.78	84.10
		For Colored Vinyl, Add	*43.46*	
		For Tinted Glass, Add	*52.15*	
		For Low-E Insulated Glass, Add	*108.65*	
		For Obscure Glass, Add	*119.51*	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	613.37	85.45
		For Colored Vinyl, Add	*44.25*	
		For Tinted Glass, Add	*53.09*	
		For Low-E Insulated Glass, Add	*110.61*	
		For Obscure Glass, Add	*121.67*	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	646.06	88.17
		For Colored Vinyl, Add	*46.97*	
		For Tinted Glass, Add	*56.37*	
		For Low-E Insulated Glass, Add	*117.43*	
		For Obscure Glass, Add	*129.17*	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	697.07	93.60
		For Colored Vinyl, Add	*50.99*	
		For Tinted Glass, Add	*61.19*	
		For Low-E Insulated Glass, Add	*127.47*	
		For Obscure Glass, Add	*140.22*	

08 53 13 00-0073 62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	573.39	81.39
		For Colored Vinyl, Add	*41.06*	
		For Tinted Glass, Add	*49.27*	
		For Low-E Insulated Glass, Add	*102.66*	
		For Obscure Glass, Add	*112.92*	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	596.84	84.10
		For Colored Vinyl, Add	*42.86*	
		For Tinted Glass, Add	*51.44*	
		For Low-E Insulated Glass, Add	*107.16*	
		For Obscure Glass, Add	*117.88*	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	612.10	85.45
		For Colored Vinyl, Add	*44.12*	
		For Tinted Glass, Add	*52.94*	
		For Low-E Insulated Glass, Add	*110.30*	
		For Obscure Glass, Add	*121.32*	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	622.67	86.81
		For Colored Vinyl, Add	*44.91*	
		For Tinted Glass, Add	*53.89*	
		For Low-E Insulated Glass, Add	*112.26*	
		For Obscure Glass, Add	*123.49*	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	655.78	89.53
		For Colored Vinyl, Add	*47.67*	
		For Tinted Glass, Add	*57.21*	
		For Low-E Insulated Glass, Add	*119.18*	
		For Obscure Glass, Add	*131.10*	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	707.41	94.96
		For Colored Vinyl, Add	*51.75*	
		For Tinted Glass, Add	*62.10*	
		For Low-E Insulated Glass, Add	*129.38*	
		For Obscure Glass, Add	*142.31*	

08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	591.31	84.10
		For Colored Vinyl, Add	*42.31*	
		For Tinted Glass, Add	*50.77*	
		For Low-E Insulated Glass, Add	*105.78*	
		For Obscure Glass, Add	*116.36*	
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	614.75	86.81
		For Colored Vinyl, Add	*44.11*	
		For Tinted Glass, Add	*52.94*	
		For Low-E Insulated Glass, Add	*110.28*	
		For Obscure Glass, Add	*121.31*	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	630.83	88.17
		For Colored Vinyl, Add	*45.45*	
		For Tinted Glass, Add	*54.54*	
		For Low-E Insulated Glass, Add	*113.62*	
		For Obscure Glass, Add	*124.98*	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	641.41	89.53
		For Colored Vinyl, Add	*46.24*	
		For Tinted Glass, Add	*55.48*	
		For Low-E Insulated Glass, Add	*115.59*	
		For Obscure Glass, Add	*127.15*	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	675.42	92.24
		For Colored Vinyl, Add	*49.09*	
		For Tinted Glass, Add	*58.91*	
		For Low-E Insulated Glass, Add	*122.74*	
		For Obscure Glass, Add	*135.01*	
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	728.12	97.66
		For Colored Vinyl, Add	*53.28*	
		For Tinted Glass, Add	*63.93*	
		For Low-E Insulated Glass, Add	*133.20*	
		For Obscure Glass, Add	*146.51*	

08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	618.49	88.17
		For Colored Vinyl, Add	*44.22*	
		For Tinted Glass, Add	*53.06*	
		For Low-E Insulated Glass, Add	*110.54*	
		For Obscure Glass, Add	*121.59*	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	641.94	90.89
		For Colored Vinyl, Add	*46.02*	
		For Tinted Glass, Add	*55.22*	
		For Low-E Insulated Glass, Add	*115.04*	
		For Obscure Glass, Add	*126.55*	
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	658.01	92.24
		For Colored Vinyl, Add	*47.35*	
		For Tinted Glass, Add	*56.82*	
		For Low-E Insulated Glass, Add	*118.38*	
		For Obscure Glass, Add	*130.22*	
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	668.59	93.60
		For Colored Vinyl, Add	*48.14*	
		For Tinted Glass, Add	*57.77*	
		For Low-E Insulated Glass, Add	*120.35*	
		For Obscure Glass, Add	*132.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	702.60	96.31
		For Colored Vinyl, Add	*51.00*	
		For Tinted Glass, Add	*61.20*	
		For Low-E Insulated Glass, Add	*127.50*	
		For Obscure Glass, Add	*140.24*	
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	755.29	101.74
		For Colored Vinyl, Add	*55.18*	
		For Tinted Glass, Add	*66.22*	
		For Low-E Insulated Glass, Add	*137.96*	
		For Obscure Glass, Add	*151.75*	

08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	661.35	71.21
		For Colored Vinyl, Add	*51.89*	
		For Tinted Glass, Add	*62.27*	
		For Low-E Insulated Glass, Add	*129.73*	
		For Obscure Glass, Add	*142.70*	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	724.92	78.00
		For Colored Vinyl, Add	*56.89*	
		For Tinted Glass, Add	*68.27*	
		For Low-E Insulated Glass, Add	*142.23*	
		For Obscure Glass, Add	*156.46*	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	783.43	84.78
		For Colored Vinyl, Add	*61.39*	
		For Tinted Glass, Add	*73.66*	
		For Low-E Insulated Glass, Add	*153.47*	
		For Obscure Glass, Add	*168.81*	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	824.16	91.56
		For Colored Vinyl, Add	*64.10*	
		For Tinted Glass, Add	*76.92*	
		For Low-E Insulated Glass, Add	*160.26*	
		For Obscure Glass, Add	*176.28*	
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	866.91	98.35
		For Colored Vinyl, Add	*67.02*	
		For Tinted Glass, Add	*80.43*	
		For Low-E Insulated Glass, Add	*167.56*	
		For Obscure Glass, Add	*184.31*	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	941.41	105.13
		For Colored Vinyl, Add	*73.12*	
		For Tinted Glass, Add	*87.74*	
		For Low-E Insulated Glass, Add	*182.79*	
		For Obscure Glass, Add	*201.07*	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	7.85	0.88
		For Colored Vinyl, Add	*0.61*	
		For Tinted Glass, Add	*0.73*	
		For Low-E Insulated Glass, Add	*1.52*	
		For Obscure Glass, Add	*1.67*	

08 53 13 00-0102 Double Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	643.52	62.39
		For Colored Vinyl, Add	*51.87*	
		For Tinted Glass, Add	*62.25*	
		For Low-E Insulated Glass, Add	*129.68*	
		For Obscure Glass, Add	*142.65*	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	666.96	65.11
		For Colored Vinyl, Add	*53.67*	
		For Tinted Glass, Add	*64.41*	
		For Low-E Insulated Glass, Add	*134.19*	
		For Obscure Glass, Add	*147.60*	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	678.30	66.47
		For Colored Vinyl, Add	*54.54*	
		For Tinted Glass, Add	*65.44*	
		For Low-E Insulated Glass, Add	*136.34*	
		For Obscure Glass, Add	*149.98*	
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	688.89	67.82
		For Colored Vinyl, Add	*55.32*	
		For Tinted Glass, Add	*66.39*	
		For Low-E Insulated Glass, Add	*138.31*	
		For Obscure Glass, Add	*152.14*	
08 53 13 00-0109	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	714.67	70.54
		For Colored Vinyl, Add	*57.36*	
		For Tinted Glass, Add	*68.83*	
		For Low-E Insulated Glass, Add	*143.40*	
		For Obscure Glass, Add	*157.74*	
08 53 13 00-0110	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	756.65	75.96
		For Colored Vinyl, Add	*60.47*	
		For Tinted Glass, Add	*72.57*	
		For Low-E Insulated Glass, Add	*151.18*	
		For Obscure Glass, Add	*166.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0111		36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0112	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	652.57	63.75
		For Colored Vinyl, Add	*52.51*	
		For Tinted Glass, Add	*63.01*	
		For Low-E Insulated Glass, Add	*131.27*	
		For Obscure Glass, Add	*144.39*	
08 53 13 00-0113	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	676.02	66.47
		For Colored Vinyl, Add	*54.31*	
		For Tinted Glass, Add	*65.17*	
		For Low-E Insulated Glass, Add	*135.77*	
		For Obscure Glass, Add	*149.35*	
08 53 13 00-0114	EA	30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	687.37	67.82
		For Colored Vinyl, Add	*55.17*	
		For Tinted Glass, Add	*66.21*	
		For Low-E Insulated Glass, Add	*137.93*	
		For Obscure Glass, Add	*151.72*	
08 53 13 00-0115	EA	32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	697.95	69.18
		For Colored Vinyl, Add	*55.96*	
		For Tinted Glass, Add	*67.15*	
		For Low-E Insulated Glass, Add	*139.90*	
		For Obscure Glass, Add	*153.89*	
08 53 13 00-0116	EA	36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	723.74	71.90
		For Colored Vinyl, Add	*58.00*	
		For Tinted Glass, Add	*69.59*	
		For Low-E Insulated Glass, Add	*144.99*	
		For Obscure Glass, Add	*159.49*	
08 53 13 00-0117	EA	44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	765.72	77.32
		For Colored Vinyl, Add	*61.11*	
		For Tinted Glass, Add	*73.33*	
		For Low-E Insulated Glass, Add	*152.77*	
		For Obscure Glass, Add	*168.05*	
08 53 13 00-0118		38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0119	EA	24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	660.72	65.11
		For Colored Vinyl, Add	*53.05*	
		For Tinted Glass, Add	*63.66*	
		For Low-E Insulated Glass, Add	*132.63*	
		For Obscure Glass, Add	*145.89*	
08 53 13 00-0120	EA	28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	684.17	67.82
		For Colored Vinyl, Add	*54.85*	
		For Tinted Glass, Add	*65.82*	
		For Low-E Insulated Glass, Add	*137.13*	
		For Obscure Glass, Add	*150.84*	
08 53 13 00-0121	EA	30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	695.87	69.18
		For Colored Vinyl, Add	*55.75*	
		For Tinted Glass, Add	*66.90*	
		For Low-E Insulated Glass, Add	*139.38*	
		For Obscure Glass, Add	*153.32*	
08 53 13 00-0122	EA	32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	706.45	70.54
		For Colored Vinyl, Add	*56.54*	
		For Tinted Glass, Add	*67.85*	
		For Low-E Insulated Glass, Add	*141.35*	
		For Obscure Glass, Add	*155.48*	
08 53 13 00-0123	EA	36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	732.75	73.25
		For Colored Vinyl, Add	*58.63*	
		For Tinted Glass, Add	*70.35*	
		For Low-E Insulated Glass, Add	*146.56*	
		For Obscure Glass, Add	*161.22*	
08 53 13 00-0124	EA	44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	775.23	78.68
		For Colored Vinyl, Add	*61.79*	
		For Tinted Glass, Add	*74.15*	
		For Low-E Insulated Glass, Add	*154.47*	
		For Obscure Glass, Add	*169.92*	
08 53 13 00-0125		44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0126	EA	24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	688.61	69.18
		For Colored Vinyl, Add	*55.03*	
		For Tinted Glass, Add	*66.03*	
		For Low-E Insulated Glass, Add	*137.56*	
		For Obscure Glass, Add	*151.32*	
08 53 13 00-0127	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	712.06	71.90
		For Colored Vinyl, Add	*56.83*	
		For Tinted Glass, Add	*68.19*	
		For Low-E Insulated Glass, Add	*142.07*	
		For Obscure Glass, Add	*156.27*	
08 53 13 00-0128	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	721.68	73.25
		For Colored Vinyl, Add	*57.52*	
		For Tinted Glass, Add	*69.02*	
		For Low-E Insulated Glass, Add	*143.80*	
		For Obscure Glass, Add	*158.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	732.27	74.60
		For Colored Vinyl, Add	*58.31*	
		For Tinted Glass, Add	*69.97*	
		For Low-E Insulated Glass, Add	*145.76*	
		For Obscure Glass, Add	*160.34*	
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	759.67	77.32
		For Colored Vinyl, Add	*60.50*	
		For Tinted Glass, Add	*72.60*	
		For Low-E Insulated Glass, Add	*151.26*	
		For Obscure Glass, Add	*166.38*	
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	804.70	82.75
		For Colored Vinyl, Add	*63.92*	
		For Tinted Glass, Add	*76.71*	
		For Low-E Insulated Glass, Add	*159.80*	
		For Obscure Glass, Add	*175.78*	

08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	696.70	70.54
		For Colored Vinyl, Add	*55.56*	
		For Tinted Glass, Add	*66.68*	
		For Low-E Insulated Glass, Add	*138.91*	
		For Obscure Glass, Add	*152.80*	
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	720.15	73.25
		For Colored Vinyl, Add	*57.37*	
		For Tinted Glass, Add	*68.84*	
		For Low-E Insulated Glass, Add	*143.41*	
		For Obscure Glass, Add	*157.75*	
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	730.34	74.60
		For Colored Vinyl, Add	*58.11*	
		For Tinted Glass, Add	*69.73*	
		For Low-E Insulated Glass, Add	*145.28*	
		For Obscure Glass, Add	*159.81*	
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	740.91	75.96
		For Colored Vinyl, Add	*58.90*	
		For Tinted Glass, Add	*70.68*	
		For Low-E Insulated Glass, Add	*147.25*	
		For Obscure Glass, Add	*161.97*	
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	768.68	78.68
		For Colored Vinyl, Add	*61.13*	
		For Tinted Glass, Add	*73.36*	
		For Low-E Insulated Glass, Add	*152.83*	
		For Obscure Glass, Add	*168.12*	
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	815.22	84.10
		For Colored Vinyl, Add	*64.70*	
		For Tinted Glass, Add	*77.64*	
		For Low-E Insulated Glass, Add	*161.76*	
		For Obscure Glass, Add	*177.93*	

08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	704.90	71.90
		For Colored Vinyl, Add	*56.11*	
		For Tinted Glass, Add	*67.33*	
		For Low-E Insulated Glass, Add	*140.28*	
		For Obscure Glass, Add	*154.31*	
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	728.36	74.60
		For Colored Vinyl, Add	*57.91*	
		For Tinted Glass, Add	*69.50*	
		For Low-E Insulated Glass, Add	*144.79*	
		For Obscure Glass, Add	*159.26*	
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	738.83	75.96
		For Colored Vinyl, Add	*58.69*	
		For Tinted Glass, Add	*70.43*	
		For Low-E Insulated Glass, Add	*146.73*	
		For Obscure Glass, Add	*161.40*	
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	749.42	77.32
		For Colored Vinyl, Add	*59.48*	
		For Tinted Glass, Add	*71.37*	
		For Low-E Insulated Glass, Add	*148.70*	
		For Obscure Glass, Add	*163.56*	
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	777.70	80.03
		For Colored Vinyl, Add	*61.76*	
		For Tinted Glass, Add	*74.12*	
		For Low-E Insulated Glass, Add	*154.41*	
		For Obscure Glass, Add	*169.85*	
08 53 13 00-0145	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	825.56	85.45
		For Colored Vinyl, Add	*65.46*	
		For Tinted Glass, Add	*78.56*	
		For Low-E Insulated Glass, Add	*163.66*	
		For Obscure Glass, Add	*180.03*	

08 53 13 00-0146 50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0147	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	713.00	73.25
		For Colored Vinyl, Add	*56.65*	
		For Tinted Glass, Add	*67.98*	
		For Low-E Insulated Glass, Add	*141.63*	
		For Obscure Glass, Add	*155.79*	
08 53 13 00-0148	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	736.44	75.96
		For Colored Vinyl, Add	*58.45*	
		For Tinted Glass, Add	*70.14*	
		For Low-E Insulated Glass, Add	*146.13*	
		For Obscure Glass, Add	*160.74*	
08 53 13 00-0149	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	747.44	77.32
		For Colored Vinyl, Add	*59.28*	
		For Tinted Glass, Add	*71.14*	
		For Low-E Insulated Glass, Add	*148.20*	
		For Obscure Glass, Add	*163.02*	
08 53 13 00-0150	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	758.02	78.68
		For Colored Vinyl, Add	*60.07*	
		For Tinted Glass, Add	*72.08*	
		For Low-E Insulated Glass, Add	*150.17*	
		For Obscure Glass, Add	*165.18*	
08 53 13 00-0151	EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	786.69	81.39
		For Colored Vinyl, Add	*62.39*	
		For Tinted Glass, Add	*74.87*	
		For Low-E Insulated Glass, Add	*155.98*	
		For Obscure Glass, Add	*171.58*	
08 53 13 00-0152	EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	836.03	86.81
		For Colored Vinyl, Add	*66.24*	
		For Tinted Glass, Add	*79.49*	
		For Low-E Insulated Glass, Add	*165.60*	
		For Obscure Glass, Add	*182.16*	

08 53 13 00-0153 52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0154	EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	721.15	74.60
		For Colored Vinyl, Add	*57.19*	
		For Tinted Glass, Add	*68.63*	
		For Low-E Insulated Glass, Add	*142.98*	
		For Obscure Glass, Add	*157.28*	
08 53 13 00-0155	EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	744.59	77.32
		For Colored Vinyl, Add	*59.00*	
		For Tinted Glass, Add	*70.79*	
		For Low-E Insulated Glass, Add	*147.49*	
		For Obscure Glass, Add	*162.24*	
08 53 13 00-0156	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	755.94	78.68
		For Colored Vinyl, Add	*59.86*	
		For Tinted Glass, Add	*71.83*	
		For Low-E Insulated Glass, Add	*149.65*	
		For Obscure Glass, Add	*164.61*	
08 53 13 00-0157	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	766.53	80.03
		For Colored Vinyl, Add	*60.65*	
		For Tinted Glass, Add	*72.78*	
		For Low-E Insulated Glass, Add	*151.62*	
		For Obscure Glass, Add	*166.78*	
08 53 13 00-0158	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	796.57	82.75
		For Colored Vinyl, Add	*63.11*	
		For Tinted Glass, Add	*75.73*	
		For Low-E Insulated Glass, Add	*157.77*	
		For Obscure Glass, Add	*173.55*	
08 53 13 00-0159	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	846.31	88.17
		For Colored Vinyl, Add	*67.00*	
		For Tinted Glass, Add	*80.40*	
		For Low-E Insulated Glass, Add	*167.49*	
		For Obscure Glass, Add	*184.24*	

08 53 13 00-0160 54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	729.33	75.96
		For Colored Vinyl, Add	*57.74*	
		For Tinted Glass, Add	*69.29*	
		For Low-E Insulated Glass, Add	*144.35*	
		For Obscure Glass, Add	*158.79*	
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	752.79	78.68
		For Colored Vinyl, Add	*59.54*	
		For Tinted Glass, Add	*71.45*	
		For Low-E Insulated Glass, Add	*148.86*	
		For Obscure Glass, Add	*163.75*	
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	764.60	80.03
		For Colored Vinyl, Add	*60.45*	
		For Tinted Glass, Add	*72.54*	
		For Low-E Insulated Glass, Add	*151.13*	
		For Obscure Glass, Add	*166.25*	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	775.17	81.39
		For Colored Vinyl, Add	*61.24*	
		For Tinted Glass, Add	*73.49*	
		For Low-E Insulated Glass, Add	*153.10*	
		For Obscure Glass, Add	*168.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	806.44	84.10
		For Colored Vinyl, Add	*63.82*	
		For Tinted Glass, Add	*76.59*	
		For Low-E Insulated Glass, Add	*159.56*	
		For Obscure Glass, Add	*175.52*	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	856.64	89.53
		For Colored Vinyl, Add	*67.76*	
		For Tinted Glass, Add	*81.31*	
		For Low-E Insulated Glass, Add	*169.40*	
		For Obscure Glass, Add	*186.34*	
08 53 13 00-0167		60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	753.88	80.03
		For Colored Vinyl, Add	*59.38*	
		For Tinted Glass, Add	*71.26*	
		For Low-E Insulated Glass, Add	*148.45*	
		For Obscure Glass, Add	*163.30*	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	777.33	82.75
		For Colored Vinyl, Add	*61.18*	
		For Tinted Glass, Add	*73.42*	
		For Low-E Insulated Glass, Add	*152.96*	
		For Obscure Glass, Add	*168.26*	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	792.12	84.10
		For Colored Vinyl, Add	*62.39*	
		For Tinted Glass, Add	*74.87*	
		For Low-E Insulated Glass, Add	*155.98*	
		For Obscure Glass, Add	*171.58*	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	802.71	85.45
		For Colored Vinyl, Add	*63.18*	
		For Tinted Glass, Add	*75.81*	
		For Low-E Insulated Glass, Add	*157.95*	
		For Obscure Glass, Add	*173.74*	
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	835.91	88.17
		For Colored Vinyl, Add	*65.96*	
		For Tinted Glass, Add	*79.15*	
		For Low-E Insulated Glass, Add	*164.89*	
		For Obscure Glass, Add	*181.38*	
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	887.73	93.60
		For Colored Vinyl, Add	*70.05*	
		For Tinted Glass, Add	*84.06*	
		For Low-E Insulated Glass, Add	*175.14*	
		For Obscure Glass, Add	*192.65*	
08 53 13 00-0174		62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0175	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	762.02	81.39
		For Colored Vinyl, Add	*59.93*	
		For Tinted Glass, Add	*71.91*	
		For Low-E Insulated Glass, Add	*149.81*	
		For Obscure Glass, Add	*164.79*	
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	785.47	84.10
		For Colored Vinyl, Add	*61.73*	
		For Tinted Glass, Add	*74.07*	
		For Low-E Insulated Glass, Add	*154.32*	
		For Obscure Glass, Add	*169.75*	
08 53 13 00-0177	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	801.49	85.45
		For Colored Vinyl, Add	*63.06*	
		For Tinted Glass, Add	*75.67*	
		For Low-E Insulated Glass, Add	*157.64*	
		For Obscure Glass, Add	*173.41*	
08 53 13 00-0178	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	812.06	86.81
		For Colored Vinyl, Add	*63.84*	
		For Tinted Glass, Add	*76.61*	
		For Low-E Insulated Glass, Add	*159.61*	
		For Obscure Glass, Add	*175.57*	
08 53 13 00-0179	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	845.67	89.53
		For Colored Vinyl, Add	*66.66*	
		For Tinted Glass, Add	*79.99*	
		For Low-E Insulated Glass, Add	*166.66*	
		For Obscure Glass, Add	*183.32*	
08 53 13 00-0180	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	899.08	94.96
		For Colored Vinyl, Add	*70.92*	
		For Tinted Glass, Add	*85.10*	
		For Low-E Insulated Glass, Add	*177.29*	
		For Obscure Glass, Add	*195.02*	
08 53 13 00-0181		66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0182	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	780.14	84.10
		For Colored Vinyl, Add	*61.19*	
		For Tinted Glass, Add	*73.43*	
		For Low-E Insulated Glass, Add	*152.99*	
		For Obscure Glass, Add	*168.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	803.58	86.81
		For Colored Vinyl, Add	*63.00*	
		For Tinted Glass, Add	*75.60*	
		For Low-E Insulated Glass, Add	*157.49*	
		For Obscure Glass, Add	*173.24*	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	820.27	88.17
		For Colored Vinyl, Add	*64.39*	
		For Tinted Glass, Add	*77.27*	
		For Low-E Insulated Glass, Add	*160.98*	
		For Obscure Glass, Add	*177.08*	
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	830.85	89.53
		For Colored Vinyl, Add	*65.18*	
		For Tinted Glass, Add	*78.22*	
		For Low-E Insulated Glass, Add	*162.95*	
		For Obscure Glass, Add	*179.25*	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	865.42	92.24
		For Colored Vinyl, Add	*68.09*	
		For Tinted Glass, Add	*81.71*	
		For Low-E Insulated Glass, Add	*170.24*	
		For Obscure Glass, Add	*187.26*	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	920.96	97.66
		For Colored Vinyl, Add	*72.56*	
		For Tinted Glass, Add	*87.07*	
		For Low-E Insulated Glass, Add	*181.41*	
		For Obscure Glass, Add	*199.55*	

08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	807.32	88.17
		For Colored Vinyl, Add	*63.10*	
		For Tinted Glass, Add	*75.72*	
		For Low-E Insulated Glass, Add	*157.75*	
		For Obscure Glass, Add	*173.52*	
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	830.77	90.89
		For Colored Vinyl, Add	*64.90*	
		For Tinted Glass, Add	*77.88*	
		For Low-E Insulated Glass, Add	*162.25*	
		For Obscure Glass, Add	*178.48*	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	847.45	92.24
		For Colored Vinyl, Add	*66.30*	
		For Tinted Glass, Add	*79.56*	
		For Low-E Insulated Glass, Add	*165.74*	
		For Obscure Glass, Add	*182.32*	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	858.03	93.60
		For Colored Vinyl, Add	*67.08*	
		For Tinted Glass, Add	*80.50*	
		For Low-E Insulated Glass, Add	*167.71*	
		For Obscure Glass, Add	*184.48*	
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	892.60	96.31
		For Colored Vinyl, Add	*70.00*	
		For Tinted Glass, Add	*84.00*	
		For Low-E Insulated Glass, Add	*175.00*	
		For Obscure Glass, Add	*192.49*	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	948.13	101.74
		For Colored Vinyl, Add	*74.47*	
		For Tinted Glass, Add	*89.36*	
		For Low-E Insulated Glass, Add	*186.17*	
		For Obscure Glass, Add	*204.78*	

08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	791.08	71.21
		For Colored Vinyl, Add	*64.87*	
		For Tinted Glass, Add	*77.84*	
		For Low-E Insulated Glass, Add	*162.16*	
		For Obscure Glass, Add	*178.38*	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	872.42	78.00
		For Colored Vinyl, Add	*71.64*	
		For Tinted Glass, Add	*85.97*	
		For Low-E Insulated Glass, Add	*179.11*	
		For Obscure Glass, Add	*197.02*	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	948.70	84.78
		For Colored Vinyl, Add	*77.91*	
		For Tinted Glass, Add	*93.50*	
		For Low-E Insulated Glass, Add	*194.79*	
		For Obscure Glass, Add	*214.26*	
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,003.65	91.56
		For Colored Vinyl, Add	*82.05*	
		For Tinted Glass, Add	*98.46*	
		For Low-E Insulated Glass, Add	*205.13*	
		For Obscure Glass, Add	*225.64*	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,062.39	98.35
		For Colored Vinyl, Add	*86.57*	
		For Tinted Glass, Add	*103.89*	
		For Low-E Insulated Glass, Add	*216.43*	
		For Obscure Glass, Add	*238.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,154.66	105.13
		For Colored Vinyl, Add	*94.44*	
		For Tinted Glass, Add	*113.33*	
		For Low-E Insulated Glass, Add	*236.10*	
		For Obscure Glass, Add	*259.71*	
08 53 13 00-0202	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	9.63	0.88
		For Colored Vinyl, Add	*0.79*	
		For Tinted Glass, Add	*0.94*	
		For Low-E Insulated Glass, Add	*1.97*	
		For Obscure Glass, Add	*2.16*	

08 53 13 00-0203 Casement Vinyl Windows *(08 53 13)*

08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	590.50	51.54
		For Colored Vinyl, Add	*48.88*	
		For Tinted Glass, Add	*58.65*	
		For Low-E Insulated Glass, Add	*122.19*	
		For Obscure Glass, Add	*134.41*	
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	611.07	52.90
		For Colored Vinyl, Add	*50.53*	
		For Tinted Glass, Add	*60.63*	
		For Low-E Insulated Glass, Add	*126.32*	
		For Obscure Glass, Add	*138.95*	
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	632.99	55.62
		For Colored Vinyl, Add	*52.18*	
		For Tinted Glass, Add	*62.61*	
		For Low-E Insulated Glass, Add	*130.44*	
		For Obscure Glass, Add	*143.48*	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	673.10	58.33
		For Colored Vinyl, Add	*55.64*	
		For Tinted Glass, Add	*66.77*	
		For Low-E Insulated Glass, Add	*139.11*	
		For Obscure Glass, Add	*153.02*	

08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	626.64	54.26
		For Colored Vinyl, Add	*51.95*	
		For Tinted Glass, Add	*62.34*	
		For Low-E Insulated Glass, Add	*129.87*	
		For Obscure Glass, Add	*142.86*	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	649.09	55.62
		For Colored Vinyl, Add	*53.79*	
		For Tinted Glass, Add	*64.54*	
		For Low-E Insulated Glass, Add	*134.47*	
		For Obscure Glass, Add	*147.91*	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	672.85	58.33
		For Colored Vinyl, Add	*55.62*	
		For Tinted Glass, Add	*66.74*	
		For Low-E Insulated Glass, Add	*139.05*	
		For Obscure Glass, Add	*152.95*	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	715.18	61.05
		For Colored Vinyl, Add	*59.31*	
		For Tinted Glass, Add	*71.17*	
		For Low-E Insulated Glass, Add	*148.28*	
		For Obscure Glass, Add	*163.10*	

08 53 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	669.14	58.33
		For Colored Vinyl, Add	*55.25*	
		For Tinted Glass, Add	*66.30*	
		For Low-E Insulated Glass, Add	*138.12*	
		For Obscure Glass, Add	*151.93*	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	692.50	61.05
		For Colored Vinyl, Add	*57.18*	
		For Tinted Glass, Add	*68.61*	
		For Low-E Insulated Glass, Add	*142.95*	
		For Obscure Glass, Add	*157.24*	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	717.28	63.08
		For Colored Vinyl, Add	*59.11*	
		For Tinted Glass, Add	*70.93*	
		For Low-E Insulated Glass, Add	*147.78*	
		For Obscure Glass, Add	*162.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	761.39	65.79
		For Colored Vinyl, Add	*62.98*	
		For Tinted Glass, Add	*75.58*	
		For Low-E Insulated Glass, Add	*157.45*	
		For Obscure Glass, Add	*173.20*	

08 53 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	707.76	62.39
		For Colored Vinyl, Add	*58.43*	
		For Tinted Glass, Add	*70.12*	
		For Low-E Insulated Glass, Add	*146.08*	
		For Obscure Glass, Add	*160.69*	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	732.44	63.75
		For Colored Vinyl, Add	*60.49*	
		For Tinted Glass, Add	*72.59*	
		For Low-E Insulated Glass, Add	*151.23*	
		For Obscure Glass, Add	*166.36*	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	758.48	66.47
		For Colored Vinyl, Add	*62.56*	
		For Tinted Glass, Add	*75.07*	
		For Low-E Insulated Glass, Add	*156.39*	
		For Obscure Glass, Add	*172.03*	
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	806.25	69.18
		For Colored Vinyl, Add	*66.79*	
		For Tinted Glass, Add	*80.15*	
		For Low-E Insulated Glass, Add	*166.97*	
		For Obscure Glass, Add	*183.67*	

08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	750.75	67.82
		For Colored Vinyl, Add	*61.65*	
		For Tinted Glass, Add	*73.98*	
		For Low-E Insulated Glass, Add	*154.12*	
		For Obscure Glass, Add	*169.53*	
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	776.55	69.18
		For Colored Vinyl, Add	*63.82*	
		For Tinted Glass, Add	*76.58*	
		For Low-E Insulated Glass, Add	*159.55*	
		For Obscure Glass, Add	*175.50*	
08 53 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	803.76	71.90
		For Colored Vinyl, Add	*66.00*	
		For Tinted Glass, Add	*79.20*	
		For Low-E Insulated Glass, Add	*164.99*	
		For Obscure Glass, Add	*181.49*	
08 53 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	856.36	74.60
		For Colored Vinyl, Add	*70.71*	
		For Tinted Glass, Add	*84.86*	
		For Low-E Insulated Glass, Add	*176.79*	
		For Obscure Glass, Add	*194.46*	

08 53 13 00-0231 52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	788.16	70.54
		For Colored Vinyl, Add	*64.85*	
		For Tinted Glass, Add	*77.81*	
		For Low-E Insulated Glass, Add	*162.11*	
		For Obscure Glass, Add	*178.32*	
08 53 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	815.49	71.90
		For Colored Vinyl, Add	*67.17*	
		For Tinted Glass, Add	*80.60*	
		For Low-E Insulated Glass, Add	*167.93*	
		For Obscure Glass, Add	*184.72*	
08 53 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	844.13	74.60
		For Colored Vinyl, Add	*69.49*	
		For Tinted Glass, Add	*83.39*	
		For Low-E Insulated Glass, Add	*173.73*	
		For Obscure Glass, Add	*191.10*	
08 53 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	897.63	77.32
		For Colored Vinyl, Add	*74.30*	
		For Tinted Glass, Add	*89.16*	
		For Low-E Insulated Glass, Add	*185.75*	
		For Obscure Glass, Add	*204.32*	

08 53 13 00-0236 60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	829.65	74.60
		For Colored Vinyl, Add	*68.04*	
		For Tinted Glass, Add	*81.65*	
		For Low-E Insulated Glass, Add	*170.11*	
		For Obscure Glass, Add	*187.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	858.44	77.32
		For Colored Vinyl, Add	*70.52*	
		For Tinted Glass, Add	*84.62*	
		For Low-E Insulated Glass, Add	*176.29*	
		For Obscure Glass, Add	*193.92*	
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	888.60	79.35
		For Colored Vinyl, Add	*72.99*	
		For Tinted Glass, Add	*87.59*	
		For Low-E Insulated Glass, Add	*182.47*	
		For Obscure Glass, Add	*200.72*	
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	942.97	82.07
		For Colored Vinyl, Add	*77.88*	
		For Tinted Glass, Add	*93.46*	
		For Low-E Insulated Glass, Add	*194.71*	
		For Obscure Glass, Add	*214.18*	
08 53 13 00-0241		64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	867.65	78.68
		For Colored Vinyl, Add	*71.17*	
		For Tinted Glass, Add	*85.40*	
		For Low-E Insulated Glass, Add	*177.92*	
		For Obscure Glass, Add	*195.71*	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	897.22	80.03
		For Colored Vinyl, Add	*73.72*	
		For Tinted Glass, Add	*88.46*	
		For Low-E Insulated Glass, Add	*184.29*	
		For Obscure Glass, Add	*202.72*	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	929.40	82.75
		For Colored Vinyl, Add	*76.39*	
		For Tinted Glass, Add	*91.67*	
		For Low-E Insulated Glass, Add	*190.98*	
		For Obscure Glass, Add	*210.08*	
08 53 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	982.51	85.45
		For Colored Vinyl, Add	*81.16*	
		For Tinted Glass, Add	*97.39*	
		For Low-E Insulated Glass, Add	*202.90*	
		For Obscure Glass, Add	*223.19*	
08 53 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	914.06	82.75
		For Colored Vinyl, Add	*74.86*	
		For Tinted Glass, Add	*89.83*	
		For Low-E Insulated Glass, Add	*187.14*	
		For Obscure Glass, Add	*205.86*	
08 53 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	945.20	85.45
		For Colored Vinyl, Add	*77.56*	
		For Tinted Glass, Add	*93.08*	
		For Low-E Insulated Glass, Add	*193.91*	
		For Obscure Glass, Add	*213.30*	
08 53 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	975.95	87.50
		For Colored Vinyl, Add	*80.10*	
		For Tinted Glass, Add	*96.12*	
		For Low-E Insulated Glass, Add	*200.24*	
		For Obscure Glass, Add	*220.27*	
08 53 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,028.40	90.20
		For Colored Vinyl, Add	*84.80*	
		For Tinted Glass, Add	*101.76*	
		For Low-E Insulated Glass, Add	*212.00*	
		For Obscure Glass, Add	*233.20*	
08 53 13 00-0251		Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0252		36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,199.50	69.18
		For Colored Vinyl, Add	*106.11*	
		For Tinted Glass, Add	*127.34*	
		For Low-E Insulated Glass, Add	*265.29*	
		For Obscure Glass, Add	*291.81*	
08 53 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,242.31	74.60
		For Colored Vinyl, Add	*109.45*	
		For Tinted Glass, Add	*131.33*	
		For Low-E Insulated Glass, Add	*273.61*	
		For Obscure Glass, Add	*300.97*	
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,286.52	80.03
		For Colored Vinyl, Add	*112.78*	
		For Tinted Glass, Add	*135.34*	
		For Low-E Insulated Glass, Add	*281.95*	
		For Obscure Glass, Add	*310.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,336.93	84.78
		For Colored Vinyl, Add	*116.74*	
		For Tinted Glass, Add	*140.08*	
		For Low-E Insulated Glass, Add	*291.84*	
		For Obscure Glass, Add	*321.03*	

08 53 13 00-0257 40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,270.46	72.57
		For Colored Vinyl, Add	*112.53*	
		For Tinted Glass, Add	*135.04*	
		For Low-E Insulated Glass, Add	*281.33*	
		For Obscure Glass, Add	*309.46*	
08 53 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,316.01	77.32
		For Colored Vinyl, Add	*116.14*	
		For Tinted Glass, Add	*139.36*	
		For Low-E Insulated Glass, Add	*290.34*	
		For Obscure Glass, Add	*319.38*	
08 53 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,362.97	82.75
		For Colored Vinyl, Add	*119.75*	
		For Tinted Glass, Add	*143.70*	
		For Low-E Insulated Glass, Add	*299.37*	
		For Obscure Glass, Add	*329.31*	
08 53 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,411.69	88.17
		For Colored Vinyl, Add	*123.54*	
		For Tinted Glass, Add	*148.24*	
		For Low-E Insulated Glass, Add	*308.84*	
		For Obscure Glass, Add	*339.72*	

08 53 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,346.76	78.00
		For Colored Vinyl, Add	*119.08*	
		For Tinted Glass, Add	*142.89*	
		For Low-E Insulated Glass, Add	*297.69*	
		For Obscure Glass, Add	*327.46*	
08 53 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,394.29	82.75
		For Colored Vinyl, Add	*122.88*	
		For Tinted Glass, Add	*147.46*	
		For Low-E Insulated Glass, Add	*307.20*	
		For Obscure Glass, Add	*337.92*	
08 53 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,443.22	88.17
		For Colored Vinyl, Add	*126.69*	
		For Tinted Glass, Add	*152.03*	
		For Low-E Insulated Glass, Add	*316.72*	
		For Obscure Glass, Add	*348.39*	
08 53 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,496.57	93.60
		For Colored Vinyl, Add	*130.94*	
		For Tinted Glass, Add	*157.13*	
		For Low-E Insulated Glass, Add	*327.35*	
		For Obscure Glass, Add	*360.08*	

08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,417.49	80.71
		For Colored Vinyl, Add	*125.61*	
		For Tinted Glass, Add	*150.73*	
		For Low-E Insulated Glass, Add	*314.02*	
		For Obscure Glass, Add	*345.42*	
08 53 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,467.66	85.45
		For Colored Vinyl, Add	*129.67*	
		For Tinted Glass, Add	*155.61*	
		For Low-E Insulated Glass, Add	*324.19*	
		For Obscure Glass, Add	*356.60*	
08 53 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,519.18	90.89
		For Colored Vinyl, Add	*133.74*	
		For Tinted Glass, Add	*160.49*	
		For Low-E Insulated Glass, Add	*334.35*	
		For Obscure Glass, Add	*367.79*	
08 53 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,573.44	96.31
		For Colored Vinyl, Add	*138.08*	
		For Tinted Glass, Add	*165.70*	
		For Low-E Insulated Glass, Add	*345.21*	
		For Obscure Glass, Add	*379.73*	

08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,492.29	85.45
		For Colored Vinyl, Add	*132.14*	
		For Tinted Glass, Add	*158.56*	
		For Low-E Insulated Glass, Add	*330.34*	
		For Obscure Glass, Add	*363.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,545.09	90.89
		For Colored Vinyl, Add	*136.47*	
		For Tinted Glass, Add	*163.76*	
		For Low-E Insulated Glass, Add	*341.17*	
		For Obscure Glass, Add	*375.29*	
08 53 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,599.20	96.31
		For Colored Vinyl, Add	*140.79*	
		For Tinted Glass, Add	*168.95*	
		For Low-E Insulated Glass, Add	*351.99*	
		For Obscure Glass, Add	*387.18*	
08 53 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,654.33	101.05
		For Colored Vinyl, Add	*145.22*	
		For Tinted Glass, Add	*174.27*	
		For Low-E Insulated Glass, Add	*363.05*	
		For Obscure Glass, Add	*399.36*	

08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,566.50	88.85
		For Colored Vinyl, Add	*138.88*	
		For Tinted Glass, Add	*166.66*	
		For Low-E Insulated Glass, Add	*347.20*	
		For Obscure Glass, Add	*381.92*	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,619.30	93.60
		For Colored Vinyl, Add	*143.21*	
		For Tinted Glass, Add	*171.85*	
		For Low-E Insulated Glass, Add	*358.03*	
		For Obscure Glass, Add	*393.83*	
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,673.20	99.02
		For Colored Vinyl, Add	*147.52*	
		For Tinted Glass, Add	*177.02*	
		For Low-E Insulated Glass, Add	*368.79*	
		For Obscure Glass, Add	*405.67*	
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,728.53	104.45
		For Colored Vinyl, Add	*151.96*	
		For Tinted Glass, Add	*182.36*	
		For Low-E Insulated Glass, Add	*379.91*	
		For Obscure Glass, Add	*417.90*	

08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,647.78	93.60
		For Colored Vinyl, Add	*146.06*	
		For Tinted Glass, Add	*175.27*	
		For Low-E Insulated Glass, Add	*365.15*	
		For Obscure Glass, Add	*401.66*	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,700.58	99.02
		For Colored Vinyl, Add	*150.39*	
		For Tinted Glass, Add	*180.47*	
		For Low-E Insulated Glass, Add	*375.98*	
		For Obscure Glass, Add	*413.57*	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,754.75	104.45
		For Colored Vinyl, Add	*154.72*	
		For Tinted Glass, Add	*185.67*	
		For Low-E Insulated Glass, Add	*386.80*	
		For Obscure Glass, Add	*425.48*	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,809.88	109.20
		For Colored Vinyl, Add	*159.15*	
		For Tinted Glass, Add	*190.98*	
		For Low-E Insulated Glass, Add	*397.87*	
		For Obscure Glass, Add	*437.66*	

08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,479.38	88.17
		For Colored Vinyl, Add	*130.30*	
		For Tinted Glass, Add	*156.36*	
		For Low-E Insulated Glass, Add	*325.76*	
		For Obscure Glass, Add	*358.34*	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,547.83	94.96
		For Colored Vinyl, Add	*135.79*	
		For Tinted Glass, Add	*162.95*	
		For Low-E Insulated Glass, Add	*339.48*	
		For Obscure Glass, Add	*373.43*	
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,671.45	105.13
		For Colored Vinyl, Add	*146.12*	
		For Tinted Glass, Add	*175.34*	
		For Low-E Insulated Glass, Add	*365.30*	
		For Obscure Glass, Add	*401.83*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0292		40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,577.71	92.24
		For Colored Vinyl, Add	*139.46*	
		For Tinted Glass, Add	*167.35*	
		For Low-E Insulated Glass, Add	*348.65*	
		For Obscure Glass, Add	*383.51*	
08 53 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,646.71	98.35
		For Colored Vinyl, Add	*145.00*	
		For Tinted Glass, Add	*174.00*	
		For Low-E Insulated Glass, Add	*362.51*	
		For Obscure Glass, Add	*398.76*	
08 53 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,777.76	108.52
		For Colored Vinyl, Add	*156.07*	
		For Tinted Glass, Add	*187.29*	
		For Low-E Insulated Glass, Add	*390.18*	
		For Obscure Glass, Add	*429.20*	
08 53 13 00-0296		48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,668.37	97.66
		For Colored Vinyl, Add	*147.30*	
		For Tinted Glass, Add	*176.76*	
		For Low-E Insulated Glass, Add	*368.26*	
		For Obscure Glass, Add	*405.08*	
08 53 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,751.00	103.77
		For Colored Vinyl, Add	*154.35*	
		For Tinted Glass, Add	*185.22*	
		For Low-E Insulated Glass, Add	*385.87*	
		For Obscure Glass, Add	*424.45*	
08 53 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,888.38	113.95
		For Colored Vinyl, Add	*166.05*	
		For Tinted Glass, Add	*199.26*	
		For Low-E Insulated Glass, Add	*415.12*	
		For Obscure Glass, Add	*456.63*	
08 53 13 00-0300		52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,762.19	100.38
		For Colored Vinyl, Add	*156.14*	
		For Tinted Glass, Add	*187.37*	
		For Low-E Insulated Glass, Add	*390.36*	
		For Obscure Glass, Add	*429.39*	
08 53 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,850.03	107.16
		For Colored Vinyl, Add	*163.57*	
		For Tinted Glass, Add	*196.29*	
		For Low-E Insulated Glass, Add	*408.93*	
		For Obscure Glass, Add	*449.82*	
08 53 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,008.25	116.66
		For Colored Vinyl, Add	*177.49*	
		For Tinted Glass, Add	*212.99*	
		For Low-E Insulated Glass, Add	*443.74*	
		For Obscure Glass, Add	*488.11*	
08 53 13 00-0304		60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,860.03	105.13
		For Colored Vinyl, Add	*164.98*	
		For Tinted Glass, Add	*197.97*	
		For Low-E Insulated Glass, Add	*412.45*	
		For Obscure Glass, Add	*453.69*	
08 53 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,951.74	111.90
		For Colored Vinyl, Add	*172.79*	
		For Tinted Glass, Add	*207.35*	
		For Low-E Insulated Glass, Add	*431.98*	
		For Obscure Glass, Add	*475.18*	
08 53 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,132.19	121.41
		For Colored Vinyl, Add	*188.94*	
		For Tinted Glass, Add	*226.73*	
		For Low-E Insulated Glass, Add	*472.35*	
		For Obscure Glass, Add	*519.58*	
08 53 13 00-0308		64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,966.64	108.52
		For Colored Vinyl, Add	*174.96*	
		For Tinted Glass, Add	*209.95*	
		For Low-E Insulated Glass, Add	*437.40*	
		For Obscure Glass, Add	*481.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,058.29	115.30
		For Colored Vinyl, Add	*182.77*	
		For Tinted Glass, Add	*219.32*	
		For Low-E Insulated Glass, Add	*456.92*	
		For Obscure Glass, Add	*502.61*	
08 53 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,238.75	124.80
		For Colored Vinyl, Add	*198.92*	
		For Tinted Glass, Add	*238.70*	
		For Low-E Insulated Glass, Add	*497.29*	
		For Obscure Glass, Add	*547.02*	

08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,076.16	113.26
		For Colored Vinyl, Add	*184.96*	
		For Tinted Glass, Add	*221.96*	
		For Low-E Insulated Glass, Add	*462.41*	
		For Obscure Glass, Add	*508.65*	
08 53 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,167.82	120.05
		For Colored Vinyl, Add	*192.77*	
		For Tinted Glass, Add	*231.33*	
		For Low-E Insulated Glass, Add	*481.93*	
		For Obscure Glass, Add	*530.12*	
08 53 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,348.27	129.54
		For Colored Vinyl, Add	*208.92*	
		For Tinted Glass, Add	*250.70*	
		For Low-E Insulated Glass, Add	*522.30*	
		For Obscure Glass, Add	*574.52*	

08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	761.16	57.65
		For Colored Vinyl, Add	*64.59*	
		For Tinted Glass, Add	*77.50*	
		For Low-E Insulated Glass, Add	*161.47*	
		For Obscure Glass, Add	*177.61*	
08 53 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	864.59	64.44
		For Colored Vinyl, Add	*73.57*	
		For Tinted Glass, Add	*88.29*	
		For Low-E Insulated Glass, Add	*183.93*	
		For Obscure Glass, Add	*202.33*	
08 53 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	957.87	71.21
		For Colored Vinyl, Add	*81.54*	
		For Tinted Glass, Add	*97.85*	
		For Low-E Insulated Glass, Add	*203.86*	
		For Obscure Glass, Add	*224.25*	
08 53 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,041.00	78.00
		For Colored Vinyl, Add	*88.50*	
		For Tinted Glass, Add	*106.20*	
		For Low-E Insulated Glass, Add	*221.25*	
		For Obscure Glass, Add	*243.38*	
08 53 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,113.97	84.78
		For Colored Vinyl, Add	*94.44*	
		For Tinted Glass, Add	*113.33*	
		For Low-E Insulated Glass, Add	*236.10*	
		For Obscure Glass, Add	*259.71*	
08 53 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,157.50	91.56
		For Colored Vinyl, Add	*97.44*	
		For Tinted Glass, Add	*116.92*	
		For Low-E Insulated Glass, Add	*243.59*	
		For Obscure Glass, Add	*267.95*	
08 53 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	11.41	0.88
		For Colored Vinyl, Add	*0.97*	
		For Tinted Glass, Add	*1.16*	
		For Low-E Insulated Glass, Add	*2.41*	
		For Obscure Glass, Add	*2.65*	

08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,272.93	71.21
		For Colored Vinyl, Add	*113.05*	
		For Tinted Glass, Add	*135.66*	
		For Low-E Insulated Glass, Add	*282.63*	
		For Obscure Glass, Add	*310.89*	
08 53 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,399.21	78.00
		For Colored Vinyl, Add	*124.32*	
		For Tinted Glass, Add	*149.19*	
		For Low-E Insulated Glass, Add	*310.81*	
		For Obscure Glass, Add	*341.89*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,515.35	84.78
		For Colored Vinyl, Add	*134.58*	
		For Tinted Glass, Add	*161.49*	
		For Low-E Insulated Glass, Add	*336.45*	
		For Obscure Glass, Add	*370.09*	
08 53 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,593.40	91.56
		For Colored Vinyl, Add	*141.03*	
		For Tinted Glass, Add	*169.23*	
		For Low-E Insulated Glass, Add	*352.57*	
		For Obscure Glass, Add	*387.82*	
08 53 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,676.77	98.35
		For Colored Vinyl, Add	*148.01*	
		For Tinted Glass, Add	*177.61*	
		For Low-E Insulated Glass, Add	*370.02*	
		For Obscure Glass, Add	*407.02*	
08 53 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,763.96	105.13
		For Colored Vinyl, Add	*155.37*	
		For Tinted Glass, Add	*186.45*	
		For Low-E Insulated Glass, Add	*388.43*	
		For Obscure Glass, Add	*427.27*	
08 53 13 00-0332	UI	>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	14.71	0.88
		For Colored Vinyl, Add	*1.30*	
		For Tinted Glass, Add	*1.55*	
		For Low-E Insulated Glass, Add	*3.24*	
		For Obscure Glass, Add	*3.56*	

08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0334	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,328.53	71.21
		For Colored Vinyl, Add	*118.61*	
		For Tinted Glass, Add	*142.33*	
		For Low-E Insulated Glass, Add	*296.53*	
		For Obscure Glass, Add	*326.18*	
08 53 13 00-0335	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,460.90	78.00
		For Colored Vinyl, Add	*130.49*	
		For Tinted Glass, Add	*156.59*	
		For Low-E Insulated Glass, Add	*326.23*	
		For Obscure Glass, Add	*358.85*	
08 53 13 00-0336	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,586.18	84.78
		For Colored Vinyl, Add	*141.66*	
		For Tinted Glass, Add	*169.99*	
		For Low-E Insulated Glass, Add	*354.16*	
		For Obscure Glass, Add	*389.57*	
08 53 13 00-0337	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,670.33	91.56
		For Colored Vinyl, Add	*148.72*	
		For Tinted Glass, Add	*178.46*	
		For Low-E Insulated Glass, Add	*371.80*	
		For Obscure Glass, Add	*408.98*	
08 53 13 00-0338	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,760.55	98.35
		For Colored Vinyl, Add	*156.39*	
		For Tinted Glass, Add	*187.66*	
		For Low-E Insulated Glass, Add	*390.97*	
		For Obscure Glass, Add	*430.06*	
08 53 13 00-0339	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,855.36	105.13
		For Colored Vinyl, Add	*164.51*	
		For Tinted Glass, Add	*197.41*	
		For Low-E Insulated Glass, Add	*411.28*	
		For Obscure Glass, Add	*452.41*	
08 53 13 00-0340	UI	>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	15.47	0.88
		For Colored Vinyl, Add	*1.37*	
		For Tinted Glass, Add	*1.65*	
		For Low-E Insulated Glass, Add	*3.43*	
		For Obscure Glass, Add	*3.77*	

08 53 13 00-0341 Awning Vinyl Windows *(08 53 13)*

08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0342)*

08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0345	EA	24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	767.09	55.62
		For Colored Vinyl, Add	*65.59*	
		For Tinted Glass, Add	*78.70*	
		For Low-E Insulated Glass, Add	*163.97*	
		For Obscure Glass, Add	*180.36*	
08 53 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	802.98	58.33
		For Colored Vinyl, Add	*68.63*	
		For Tinted Glass, Add	*82.36*	
		For Low-E Insulated Glass, Add	*171.58*	
		For Obscure Glass, Add	*188.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	858.18	63.08
		For Colored Vinyl, Add	*73.20*	
		For Tinted Glass, Add	*87.84*	
		For Low-E Insulated Glass, Add	*183.01*	
		For Obscure Glass, Add	*201.31*	
08 53 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	893.69	66.47
		For Colored Vinyl, Add	*76.08*	
		For Tinted Glass, Add	*91.29*	
		For Low-E Insulated Glass, Add	*190.19*	
		For Obscure Glass, Add	*209.21*	
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	951.97	71.90
		For Colored Vinyl, Add	*80.82*	
		For Tinted Glass, Add	*96.98*	
		For Low-E Insulated Glass, Add	*202.05*	
		For Obscure Glass, Add	*222.25*	

08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	809.24	58.33
		For Colored Vinyl, Add	*69.39*	
		For Tinted Glass, Add	*83.27*	
		For Low-E Insulated Glass, Add	*173.49*	
		For Obscure Glass, Add	*190.83*	
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	845.13	61.05
		For Colored Vinyl, Add	*72.44*	
		For Tinted Glass, Add	*86.93*	
		For Low-E Insulated Glass, Add	*181.10*	
		For Obscure Glass, Add	*199.21*	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	904.54	65.11
		For Colored Vinyl, Add	*77.43*	
		For Tinted Glass, Add	*92.92*	
		For Low-E Insulated Glass, Add	*193.58*	
		For Obscure Glass, Add	*212.94*	
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	940.12	69.18
		For Colored Vinyl, Add	*80.31*	
		For Tinted Glass, Add	*96.37*	
		For Low-E Insulated Glass, Add	*200.78*	
		For Obscure Glass, Add	*220.86*	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,002.55	73.93
		For Colored Vinyl, Add	*85.47*	
		For Tinted Glass, Add	*102.56*	
		For Low-E Insulated Glass, Add	*213.67*	
		For Obscure Glass, Add	*235.04*	

08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	835.78	61.05
		For Colored Vinyl, Add	*71.51*	
		For Tinted Glass, Add	*85.81*	
		For Low-E Insulated Glass, Add	*178.77*	
		For Obscure Glass, Add	*196.64*	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	871.69	63.75
		For Colored Vinyl, Add	*74.55*	
		For Tinted Glass, Add	*89.46*	
		For Low-E Insulated Glass, Add	*186.38*	
		For Obscure Glass, Add	*205.02*	
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	933.22	67.82
		For Colored Vinyl, Add	*79.76*	
		For Tinted Glass, Add	*95.71*	
		For Low-E Insulated Glass, Add	*199.39*	
		For Obscure Glass, Add	*219.33*	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	972.19	71.90
		For Colored Vinyl, Add	*82.98*	
		For Tinted Glass, Add	*99.57*	
		For Low-E Insulated Glass, Add	*207.44*	
		For Obscure Glass, Add	*228.18*	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,035.49	76.64
		For Colored Vinyl, Add	*88.22*	
		For Tinted Glass, Add	*105.87*	
		For Low-E Insulated Glass, Add	*220.55*	
		For Obscure Glass, Add	*242.61*	

08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	862.40	63.75
		For Colored Vinyl, Add	*73.62*	
		For Tinted Glass, Add	*88.35*	
		For Low-E Insulated Glass, Add	*184.06*	
		For Obscure Glass, Add	*202.47*	
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	898.28	66.47
		For Colored Vinyl, Add	*76.67*	
		For Tinted Glass, Add	*92.00*	
		For Low-E Insulated Glass, Add	*191.68*	
		For Obscure Glass, Add	*210.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	961.95	70.54
		For Colored Vinyl, Add	*82.09*	
		For Tinted Glass, Add	*98.51*	
		For Low-E Insulated Glass, Add	*205.22*	
		For Obscure Glass, Add	*225.74*	
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,004.08	74.60
		For Colored Vinyl, Add	*85.62*	
		For Tinted Glass, Add	*102.75*	
		For Low-E Insulated Glass, Add	*214.06*	
		For Obscure Glass, Add	*235.46*	
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,068.44	79.35
		For Colored Vinyl, Add	*90.97*	
		For Tinted Glass, Add	*109.17*	
		For Low-E Insulated Glass, Add	*227.43*	
		For Obscure Glass, Add	*250.18*	

08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,017.96	75.29
		For Colored Vinyl, Add	*86.74*	
		For Tinted Glass, Add	*104.09*	
		For Low-E Insulated Glass, Add	*216.85*	
		For Obscure Glass, Add	*238.53*	
08 53 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,060.13	78.68
		For Colored Vinyl, Add	*90.28*	
		For Tinted Glass, Add	*108.33*	
		For Low-E Insulated Glass, Add	*225.70*	
		For Obscure Glass, Add	*248.26*	
08 53 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,128.71	84.10
		For Colored Vinyl, Add	*96.05*	
		For Tinted Glass, Add	*115.26*	
		For Low-E Insulated Glass, Add	*240.13*	
		For Obscure Glass, Add	*264.14*	

08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0373	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	801.52	57.65
		For Colored Vinyl, Add	*68.62*	
		For Tinted Glass, Add	*82.35*	
		For Low-E Insulated Glass, Add	*171.56*	
		For Obscure Glass, Add	*188.71*	
08 53 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	928.56	64.44
		For Colored Vinyl, Add	*79.97*	
		For Tinted Glass, Add	*95.96*	
		For Low-E Insulated Glass, Add	*199.93*	
		For Obscure Glass, Add	*219.92*	
08 53 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,050.54	71.21
		For Colored Vinyl, Add	*90.81*	
		For Tinted Glass, Add	*108.97*	
		For Low-E Insulated Glass, Add	*227.03*	
		For Obscure Glass, Add	*249.73*	
08 53 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,167.43	78.00
		For Colored Vinyl, Add	*101.14*	
		For Tinted Glass, Add	*121.37*	
		For Low-E Insulated Glass, Add	*252.86*	
		For Obscure Glass, Add	*278.15*	
08 53 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,279.25	84.78
		For Colored Vinyl, Add	*110.97*	
		For Tinted Glass, Add	*133.16*	
		For Low-E Insulated Glass, Add	*277.42*	
		For Obscure Glass, Add	*305.16*	
08 53 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,336.99	91.56
		For Colored Vinyl, Add	*115.39*	
		For Tinted Glass, Add	*138.46*	
		For Low-E Insulated Glass, Add	*288.47*	
		For Obscure Glass, Add	*317.31*	
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	13.18	0.88
		For Colored Vinyl, Add	*1.14*	
		For Tinted Glass, Add	*1.37*	
		For Low-E Insulated Glass, Add	*2.86*	
		For Obscure Glass, Add	*3.14*	

08 53 13 00-0380 Horizontal Sliding Vinyl Windows *(08 53 13)*

08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	438.11	66.47
		For Colored Vinyl, Add	*30.65*	
		For Tinted Glass, Add	*36.78*	
		For Low-E Insulated Glass, Add	*76.63*	
		For Obscure Glass, Add	*84.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	484.45	74.60
		For Colored Vinyl, Add	*33.66*	
		For Tinted Glass, Add	*40.39*	
		For Low-E Insulated Glass, Add	*84.15*	
		For Obscure Glass, Add	*92.56*	
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	507.61	78.00
		For Colored Vinyl, Add	*35.16*	
		For Tinted Glass, Add	*42.19*	
		For Low-E Insulated Glass, Add	*87.91*	
		For Obscure Glass, Add	*96.70*	
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	530.78	82.07
		For Colored Vinyl, Add	*36.67*	
		For Tinted Glass, Add	*44.00*	
		For Low-E Insulated Glass, Add	*91.66*	
		For Obscure Glass, Add	*100.83*	
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	546.21	85.45
		For Colored Vinyl, Add	*37.67*	
		For Tinted Glass, Add	*45.20*	
		For Low-E Insulated Glass, Add	*94.16*	
		For Obscure Glass, Add	*103.58*	
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	577.11	90.20
		For Colored Vinyl, Add	*39.67*	
		For Tinted Glass, Add	*47.60*	
		For Low-E Insulated Glass, Add	*99.18*	
		For Obscure Glass, Add	*109.09*	

08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	460.45	69.18
		For Colored Vinyl, Add	*32.34*	
		For Tinted Glass, Add	*38.81*	
		For Low-E Insulated Glass, Add	*80.86*	
		For Obscure Glass, Add	*88.95*	
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	508.15	77.32
		For Colored Vinyl, Add	*35.49*	
		For Tinted Glass, Add	*42.58*	
		For Low-E Insulated Glass, Add	*88.72*	
		For Obscure Glass, Add	*97.59*	
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	532.18	80.71
		For Colored Vinyl, Add	*37.08*	
		For Tinted Glass, Add	*44.49*	
		For Low-E Insulated Glass, Add	*92.69*	
		For Obscure Glass, Add	*101.96*	
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	555.91	84.78
		For Colored Vinyl, Add	*38.64*	
		For Tinted Glass, Add	*46.36*	
		For Low-E Insulated Glass, Add	*96.59*	
		For Obscure Glass, Add	*106.25*	
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	571.79	88.17
		For Colored Vinyl, Add	*39.68*	
		For Tinted Glass, Add	*47.62*	
		For Low-E Insulated Glass, Add	*99.20*	
		For Obscure Glass, Add	*109.12*	
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	603.61	92.92
		For Colored Vinyl, Add	*41.78*	
		For Tinted Glass, Add	*50.13*	
		For Low-E Insulated Glass, Add	*104.45*	
		For Obscure Glass, Add	*114.89*	

08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	527.90	77.32
		For Colored Vinyl, Add	*37.46*	
		For Tinted Glass, Add	*44.95*	
		For Low-E Insulated Glass, Add	*93.66*	
		For Obscure Glass, Add	*103.02*	
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	580.02	85.45
		For Colored Vinyl, Add	*41.05*	
		For Tinted Glass, Add	*49.26*	
		For Low-E Insulated Glass, Add	*102.62*	
		For Obscure Glass, Add	*112.88*	
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	606.14	88.85
		For Colored Vinyl, Add	*42.84*	
		For Tinted Glass, Add	*51.41*	
		For Low-E Insulated Glass, Add	*107.11*	
		For Obscure Glass, Add	*117.82*	
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	632.19	92.92
		For Colored Vinyl, Add	*44.64*	
		For Tinted Glass, Add	*53.56*	
		For Low-E Insulated Glass, Add	*111.59*	
		For Obscure Glass, Add	*122.75*	
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	649.60	94.96
		For Colored Vinyl, Add	*45.83*	
		For Tinted Glass, Add	*55.00*	
		For Low-E Insulated Glass, Add	*114.59*	
		For Obscure Glass, Add	*126.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	684.38	101.05
		For Colored Vinyl, Add	*48.23*	
		For Tinted Glass, Add	*57.87*	
		For Low-E Insulated Glass, Add	*120.57*	
		For Obscure Glass, Add	*132.62*	

08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	561.63	81.39
		For Colored Vinyl, Add	*40.02*	
		For Tinted Glass, Add	*48.03*	
		For Low-E Insulated Glass, Add	*100.05*	
		For Obscure Glass, Add	*110.06*	
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	615.99	89.53
		For Colored Vinyl, Add	*43.83*	
		For Tinted Glass, Add	*52.59*	
		For Low-E Insulated Glass, Add	*109.57*	
		For Obscure Glass, Add	*120.53*	
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	643.21	92.92
		For Colored Vinyl, Add	*45.74*	
		For Tinted Glass, Add	*54.89*	
		For Low-E Insulated Glass, Add	*114.35*	
		For Obscure Glass, Add	*125.78*	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	670.40	96.99
		For Colored Vinyl, Add	*47.64*	
		For Tinted Glass, Add	*57.17*	
		For Low-E Insulated Glass, Add	*119.11*	
		For Obscure Glass, Add	*131.02*	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	688.46	100.38
		For Colored Vinyl, Add	*48.91*	
		For Tinted Glass, Add	*58.69*	
		For Low-E Insulated Glass, Add	*122.27*	
		For Obscure Glass, Add	*134.49*	
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	724.75	105.13
		For Colored Vinyl, Add	*51.45*	
		For Tinted Glass, Add	*61.74*	
		For Low-E Insulated Glass, Add	*128.63*	
		For Obscure Glass, Add	*141.49*	

08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	572.87	82.75
		For Colored Vinyl, Add	*40.87*	
		For Tinted Glass, Add	*49.05*	
		For Low-E Insulated Glass, Add	*102.19*	
		For Obscure Glass, Add	*112.40*	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	627.99	90.89
		For Colored Vinyl, Add	*44.76*	
		For Tinted Glass, Add	*53.71*	
		For Low-E Insulated Glass, Add	*111.90*	
		For Obscure Glass, Add	*123.08*	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	655.53	94.27
		For Colored Vinyl, Add	*46.70*	
		For Tinted Glass, Add	*56.04*	
		For Low-E Insulated Glass, Add	*116.75*	
		For Obscure Glass, Add	*128.42*	
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	683.10	98.35
		For Colored Vinyl, Add	*48.64*	
		For Tinted Glass, Add	*58.37*	
		For Low-E Insulated Glass, Add	*121.61*	
		For Obscure Glass, Add	*133.77*	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	701.49	101.74
		For Colored Vinyl, Add	*49.94*	
		For Tinted Glass, Add	*59.92*	
		For Low-E Insulated Glass, Add	*124.84*	
		For Obscure Glass, Add	*137.33*	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	738.19	106.48
		For Colored Vinyl, Add	*52.52*	
		For Tinted Glass, Add	*63.03*	
		For Low-E Insulated Glass, Add	*131.31*	
		For Obscure Glass, Add	*144.44*	

08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	584.12	84.10
		For Colored Vinyl, Add	*41.73*	
		For Tinted Glass, Add	*50.07*	
		For Low-E Insulated Glass, Add	*104.32*	
		For Obscure Glass, Add	*114.75*	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	639.95	92.24
		For Colored Vinyl, Add	*45.68*	
		For Tinted Glass, Add	*54.82*	
		For Low-E Insulated Glass, Add	*114.21*	
		For Obscure Glass, Add	*125.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	667.88	95.63
		For Colored Vinyl, Add	*47.66*	
		For Tinted Glass, Add	*57.19*	
		For Low-E Insulated Glass, Add	*119.16*	
		For Obscure Glass, Add	*131.07*	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	695.78	99.71
		For Colored Vinyl, Add	*49.64*	
		For Tinted Glass, Add	*59.57*	
		For Low-E Insulated Glass, Add	*124.10*	
		For Obscure Glass, Add	*136.50*	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	714.41	103.09
		For Colored Vinyl, Add	*50.96*	
		For Tinted Glass, Add	*61.15*	
		For Low-E Insulated Glass, Add	*127.40*	
		For Obscure Glass, Add	*140.13*	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	751.66	107.84
		For Colored Vinyl, Add	*53.60*	
		For Tinted Glass, Add	*64.32*	
		For Low-E Insulated Glass, Add	*134.00*	
		For Obscure Glass, Add	*147.39*	

08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	595.36	85.45
		For Colored Vinyl, Add	*42.58*	
		For Tinted Glass, Add	*51.10*	
		For Low-E Insulated Glass, Add	*106.45*	
		For Obscure Glass, Add	*117.10*	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	651.94	93.60
		For Colored Vinyl, Add	*46.61*	
		For Tinted Glass, Add	*55.93*	
		For Low-E Insulated Glass, Add	*116.53*	
		For Obscure Glass, Add	*128.18*	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	680.25	96.99
		For Colored Vinyl, Add	*48.63*	
		For Tinted Glass, Add	*58.35*	
		For Low-E Insulated Glass, Add	*121.57*	
		For Obscure Glass, Add	*133.72*	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	708.50	101.05
		For Colored Vinyl, Add	*50.64*	
		For Tinted Glass, Add	*60.77*	
		For Low-E Insulated Glass, Add	*126.60*	
		For Obscure Glass, Add	*139.25*	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	727.37	104.45
		For Colored Vinyl, Add	*51.98*	
		For Tinted Glass, Add	*62.38*	
		For Low-E Insulated Glass, Add	*129.96*	
		For Obscure Glass, Add	*142.95*	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	765.13	109.20
		For Colored Vinyl, Add	*54.67*	
		For Tinted Glass, Add	*65.61*	
		For Low-E Insulated Glass, Add	*136.69*	
		For Obscure Glass, Add	*150.35*	

08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	606.61	86.81
		For Colored Vinyl, Add	*43.43*	
		For Tinted Glass, Add	*52.12*	
		For Low-E Insulated Glass, Add	*108.58*	
		For Obscure Glass, Add	*119.44*	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	663.90	94.96
		For Colored Vinyl, Add	*47.54*	
		For Tinted Glass, Add	*57.04*	
		For Low-E Insulated Glass, Add	*118.84*	
		For Obscure Glass, Add	*130.72*	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	692.55	98.35
		For Colored Vinyl, Add	*49.59*	
		For Tinted Glass, Add	*59.50*	
		For Low-E Insulated Glass, Add	*123.97*	
		For Obscure Glass, Add	*136.36*	
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	721.21	102.41
		For Colored Vinyl, Add	*51.64*	
		For Tinted Glass, Add	*61.97*	
		For Low-E Insulated Glass, Add	*129.10*	
		For Obscure Glass, Add	*142.00*	
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	740.34	105.81
		For Colored Vinyl, Add	*53.01*	
		For Tinted Glass, Add	*63.61*	
		For Low-E Insulated Glass, Add	*132.52*	
		For Obscure Glass, Add	*145.77*	
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	778.56	110.56
		For Colored Vinyl, Add	*55.75*	
		For Tinted Glass, Add	*66.90*	
		For Low-E Insulated Glass, Add	*139.37*	
		For Obscure Glass, Add	*153.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0438		52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	617.84	88.17
		For Colored Vinyl, Add	*44.29*	
		For Tinted Glass, Add	*53.14*	
		For Low-E Insulated Glass, Add	*110.72*	
		For Obscure Glass, Add	*121.79*	
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	675.91	96.31
		For Colored Vinyl, Add	*48.47*	
		For Tinted Glass, Add	*58.16*	
		For Low-E Insulated Glass, Add	*121.16*	
		For Obscure Glass, Add	*133.28*	
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	704.91	99.71
		For Colored Vinyl, Add	*50.55*	
		For Tinted Glass, Add	*60.66*	
		For Low-E Insulated Glass, Add	*126.38*	
		For Obscure Glass, Add	*139.02*	
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	733.97	103.77
		For Colored Vinyl, Add	*52.64*	
		For Tinted Glass, Add	*63.17*	
		For Low-E Insulated Glass, Add	*131.61*	
		For Obscure Glass, Add	*144.77*	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	753.32	107.16
		For Colored Vinyl, Add	*54.04*	
		For Tinted Glass, Add	*64.84*	
		For Low-E Insulated Glass, Add	*135.09*	
		For Obscure Glass, Add	*148.60*	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	792.04	111.90
		For Colored Vinyl, Add	*56.82*	
		For Tinted Glass, Add	*68.19*	
		For Low-E Insulated Glass, Add	*142.06*	
		For Obscure Glass, Add	*156.26*	
08 53 13 00-0445		54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	629.09	89.53
		For Colored Vinyl, Add	*45.14*	
		For Tinted Glass, Add	*54.17*	
		For Low-E Insulated Glass, Add	*112.85*	
		For Obscure Glass, Add	*124.13*	
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	687.87	97.66
		For Colored Vinyl, Add	*49.39*	
		For Tinted Glass, Add	*59.27*	
		For Low-E Insulated Glass, Add	*123.47*	
		For Obscure Glass, Add	*135.82*	
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	717.28	101.05
		For Colored Vinyl, Add	*51.52*	
		For Tinted Glass, Add	*61.82*	
		For Low-E Insulated Glass, Add	*128.79*	
		For Obscure Glass, Add	*141.67*	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	746.69	105.13
		For Colored Vinyl, Add	*53.64*	
		For Tinted Glass, Add	*64.37*	
		For Low-E Insulated Glass, Add	*134.11*	
		For Obscure Glass, Add	*147.52*	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	766.28	108.52
		For Colored Vinyl, Add	*55.06*	
		For Tinted Glass, Add	*66.07*	
		For Low-E Insulated Glass, Add	*137.65*	
		For Obscure Glass, Add	*151.42*	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	805.47	113.26
		For Colored Vinyl, Add	*57.89*	
		For Tinted Glass, Add	*69.47*	
		For Low-E Insulated Glass, Add	*144.74*	
		For Obscure Glass, Add	*159.21*	
08 53 13 00-0452		60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	685.30	93.60
		For Colored Vinyl, Add	*49.95*	
		For Tinted Glass, Add	*59.94*	
		For Low-E Insulated Glass, Add	*124.87*	
		For Obscure Glass, Add	*137.35*	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	723.83	101.74
		For Colored Vinyl, Add	*52.17*	
		For Tinted Glass, Add	*62.61*	
		For Low-E Insulated Glass, Add	*130.43*	
		For Obscure Glass, Add	*143.47*	
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	754.35	105.13
		For Colored Vinyl, Add	*54.41*	
		For Tinted Glass, Add	*65.29*	
		For Low-E Insulated Glass, Add	*136.03*	
		For Obscure Glass, Add	*149.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	784.83	109.20
		For Colored Vinyl, Add	*56.64*	
		For Tinted Glass, Add	*67.97*	
		For Low-E Insulated Glass, Add	*141.61*	
		For Obscure Glass, Add	*155.77*	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	805.19	112.59
		For Colored Vinyl, Add	*58.14*	
		For Tinted Glass, Add	*69.76*	
		For Low-E Insulated Glass, Add	*145.34*	
		For Obscure Glass, Add	*159.88*	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	845.85	117.33
		For Colored Vinyl, Add	*61.12*	
		For Tinted Glass, Add	*73.34*	
		For Low-E Insulated Glass, Add	*152.80*	
		For Obscure Glass, Add	*168.07*	

08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	716.95	71.21
		For Colored Vinyl, Add	*57.45*	
		For Tinted Glass, Add	*68.94*	
		For Low-E Insulated Glass, Add	*143.63*	
		For Obscure Glass, Add	*157.99*	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	788.14	78.00
		For Colored Vinyl, Add	*63.22*	
		For Tinted Glass, Add	*75.86*	
		For Low-E Insulated Glass, Add	*158.04*	
		For Obscure Glass, Add	*173.84*	
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	854.26	84.78
		For Colored Vinyl, Add	*68.47*	
		For Tinted Glass, Add	*82.16*	
		For Low-E Insulated Glass, Add	*171.18*	
		For Obscure Glass, Add	*188.29*	
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	901.09	91.56
		For Colored Vinyl, Add	*71.80*	
		For Tinted Glass, Add	*86.16*	
		For Low-E Insulated Glass, Add	*179.49*	
		For Obscure Glass, Add	*197.44*	
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	950.69	98.35
		For Colored Vinyl, Add	*75.40*	
		For Tinted Glass, Add	*90.48*	
		For Low-E Insulated Glass, Add	*188.50*	
		For Obscure Glass, Add	*207.35*	
08 53 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	1,032.80	105.13
		For Colored Vinyl, Add	*82.26*	
		For Tinted Glass, Add	*98.71*	
		For Low-E Insulated Glass, Add	*205.64*	
		For Obscure Glass, Add	*226.20*	
08 53 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	8.61	0.88
		For Colored Vinyl, Add	*0.69*	
		For Tinted Glass, Add	*0.82*	
		For Low-E Insulated Glass, Add	*1.71*	
		For Obscure Glass, Add	*1.88*	

08 53 13 00-0467 Basement Vinyl Windows *(08 53 13)*

08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0469	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	413.17	54.26
		For Colored Vinyl, Add	*30.47*	
		For Tinted Glass, Add	*36.56*	
		For Low-E Insulated Glass, Add	*76.16*	
		For Obscure Glass, Add	*83.78*	
08 53 13 00-0470	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	448.71	54.26
		For Colored Vinyl, Add	*34.02*	
		For Tinted Glass, Add	*40.82*	
		For Low-E Insulated Glass, Add	*85.05*	
		For Obscure Glass, Add	*93.55*	
08 53 13 00-0471	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	469.02	54.26
		For Colored Vinyl, Add	*36.05*	
		For Tinted Glass, Add	*43.26*	
		For Low-E Insulated Glass, Add	*90.13*	
		For Obscure Glass, Add	*99.14*	

08 53 13 00-0472 Replacement, Basement Vinyl Windows *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0473	EA	Up To 47" UI, Replacement, Basement Vinyl Window	537.40	52.90
		For Colored Vinyl, Add	*43.16*	
		For Tinted Glass, Add	*51.79*	
		For Low-E Insulated Glass, Add	*107.90*	
		For Obscure Glass, Add	*118.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	596.83	61.05
		For Colored Vinyl, Add	*47.48*	
		For Tinted Glass, Add	*56.97*	
		For Low-E Insulated Glass, Add	*118.69*	
		For Obscure Glass, Add	*130.56*	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	10.39	0.88
		For Colored Vinyl, Add	*0.86*	
		For Tinted Glass, Add	*1.04*	
		For Low-E Insulated Glass, Add	*2.16*	
		For Obscure Glass, Add	*2.37*	

08 53 13 00-0476 Accessories For Vinyl Windows *(08 53 13)*

08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0476)*

08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	71.08
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	91.39
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	117.71
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	138.94
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	170.79

08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	161.56
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	193.87
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	244.64
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	304.65
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	364.66

08 53 66 Vinyl Window Screens *(08 53)*

08 53 66 00-0001 Insect Screens For Vinyl Windows *(08 53 66)*

08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	64.63	9.24
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	92.32	9.24
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	101.56	9.24
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	120.02	9.24
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	161.56	9.24
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	180.03	9.24
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	207.72	9.24
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	226.19	9.24
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	6.92	0.18

08 56 Special Function Windows *(08 50)*

08 56 19 Pass Windows *(08 56)*

08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame *(08 56 19)*

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,838.15	687.22
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*45.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*295.00*	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,331.44	744.48
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*60.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*370.00*	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,606.08	801.76
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*70.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*445.00*	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	7,018.61	916.29
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*100.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*650.00*	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	9,463.40	1,374.44
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*150.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*975.00*	

08 56 49 Radiation Shielding Windows *(08 56)*

08 56 49 00-0001 Lead Lined Window Frames *(08 56 49)*

08 56 49 00-0002	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	55.25	10.18
08 56 49 00-0003	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	62.18	10.18

08 56 56 Security Window Screens *(08 56)*

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen *(08 56 56)*

08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen *(08 56 56 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	36.18	5.16
		For Painted Steel, Add	*2.93*	
		For Galvanized Steel, Add	*5.86*	
		For Aluminum, Add	*11.72*	
		For Stainless Steel, Add	*51.29*	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	37.02	5.16
		For Painted Steel, Add	*3.02*	
		For Galvanized Steel, Add	*6.03*	
		For Aluminum, Add	*12.06*	
		For Stainless Steel, Add	*52.76*	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	40.89	5.16
		For Painted Steel, Add	*3.40*	
		For Galvanized Steel, Add	*6.80*	
		For Aluminum, Add	*13.61*	
		For Stainless Steel, Add	*59.54*	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	49.16	5.16
		For Painted Steel, Add	*4.23*	
		For Galvanized Steel, Add	*8.46*	
		For Aluminum, Add	*16.92*	
		For Stainless Steel, Add	*74.01*	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	50.91	6.30
		For Painted Steel, Add	*4.18*	
		For Galvanized Steel, Add	*8.35*	
		For Aluminum, Add	*16.70*	
		For Stainless Steel, Add	*73.06*	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	52.18	6.30
		For Painted Steel, Add	*4.30*	
		For Galvanized Steel, Add	*8.60*	
		For Aluminum, Add	*17.21*	
		For Stainless Steel, Add	*75.29*	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	57.73	6.30
		For Painted Steel, Add	*4.86*	
		For Galvanized Steel, Add	*9.71*	
		For Aluminum, Add	*19.43*	
		For Stainless Steel, Add	*85.00*	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	69.33	6.30
		For Painted Steel, Add	*6.02*	
		For Galvanized Steel, Add	*12.03*	
		For Aluminum, Add	*24.07*	
		For Stainless Steel, Add	*105.30*	

08 56 56 00-0012 Wire Cloth Security Screen *(08 56 56)*

Note: Wire cloth has from 10 to 12 strands per 1".

08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	23.21	3.43
		For Painted Steel, Add	*0.87*	
		For Galvanized Steel, Add	*2.62*	
		For Aluminum, Add	*5.24*	
		For Stainless Steel, Add	*21.85*	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	24.39	3.43
		For Painted Steel, Add	*0.93*	
		For Galvanized Steel, Add	*2.80*	
		For Aluminum, Add	*5.60*	
		For Stainless Steel, Add	*23.33*	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	26.23	3.43
		For Painted Steel, Add	*1.03*	
		For Galvanized Steel, Add	*3.08*	
		For Aluminum, Add	*6.15*	
		For Stainless Steel, Add	*25.63*	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	29.76	3.43
		For Painted Steel, Add	*1.20*	
		For Galvanized Steel, Add	*3.60*	
		For Aluminum, Add	*7.21*	
		For Stainless Steel, Add	*30.04*	

08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	31.78	4.58
		For Painted Steel, Add	*1.25*	
		For Galvanized Steel, Add	*3.74*	
		For Aluminum, Add	*7.47*	
		For Stainless Steel, Add	*31.14*	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	33.59	4.58
		For Painted Steel, Add	*1.34*	
		For Galvanized Steel, Add	*4.01*	
		For Aluminum, Add	*8.02*	
		For Stainless Steel, Add	*33.40*	
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	36.11	4.58
		For Painted Steel, Add	*1.46*	
		For Galvanized Steel, Add	*4.39*	
		For Aluminum, Add	*8.77*	
		For Stainless Steel, Add	*36.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	41.16	4.58
		For Painted Steel, Add	*1.71*	
		For Galvanized Steel, Add	*5.14*	
		For Aluminum, Add	*10.29*	
		For Stainless Steel, Add	*42.86*	

08 56 56 00-0023 Expanded Metal Security Screen *(08 56 56)*

Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.

08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	44.43	8.59
		For Painted Steel, Add	*1.71*	
		For Galvanized Steel, Add	*5.12*	
		For Aluminum, Add	*10.24*	
		For Stainless Steel, Add	*42.65*	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	51.59	10.31
		For Painted Steel, Add	*1.95*	
		For Galvanized Steel, Add	*5.85*	
		For Aluminum, Add	*11.70*	
		For Stainless Steel, Add	*48.74*	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	57.41	12.60
		For Painted Steel, Add	*2.13*	
		For Galvanized Steel, Add	*6.38*	
		For Aluminum, Add	*12.76*	
		For Stainless Steel, Add	*53.15*	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	66.90	14.89
		For Painted Steel, Add	*2.43*	
		For Galvanized Steel, Add	*7.29*	
		For Aluminum, Add	*14.57*	
		For Stainless Steel, Add	*60.71*	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	62.22	14.32
		For Painted Steel, Add	*2.25*	
		For Galvanized Steel, Add	*6.76*	
		For Aluminum, Add	*13.51*	
		For Stainless Steel, Add	*56.30*	
08 56 56 00-0030	SF	3 Lb./SF, Expanded Metal, Inoperable, Steel Security Window Screen	78.40	18.33
		For Painted Steel, Add	*2.83*	
		For Galvanized Steel, Add	*8.50*	
		For Aluminum, Add	*16.99*	
		For Stainless Steel, Add	*70.80*	

08 56 56 00-0031 Expanded Metal, Operable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	40.55	10.31
		For Painted Steel, Add	*1.40*	
		For Galvanized Steel, Add	*4.19*	
		For Aluminum, Add	*8.39*	
		For Stainless Steel, Add	*34.94*	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	70.52	12.60
		For Painted Steel, Add	*2.78*	
		For Galvanized Steel, Add	*8.34*	
		For Aluminum, Add	*16.69*	
		For Stainless Steel, Add	*69.54*	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	77.85	14.32
		For Painted Steel, Add	*3.03*	
		For Galvanized Steel, Add	*9.10*	
		For Aluminum, Add	*18.20*	
		For Stainless Steel, Add	*75.84*	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	83.67	16.03
		For Painted Steel, Add	*3.21*	
		For Galvanized Steel, Add	*9.63*	
		For Aluminum, Add	*19.26*	
		For Stainless Steel, Add	*80.25*	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	90.97	18.33
		For Painted Steel, Add	*3.46*	
		For Galvanized Steel, Add	*10.38*	
		For Aluminum, Add	*20.76*	
		For Stainless Steel, Add	*86.51*	
08 56 56 00-0037	SF	3 Lb./SF, Expanded Metal, Operable, Steel Security Window Screen	104.72	20.04
		For Painted Steel, Add	*4.03*	
		For Galvanized Steel, Add	*12.10*	
		For Aluminum, Add	*24.20*	
		For Stainless Steel, Add	*100.84*	

08 56 56 00-0038 Perforated Metal Security Screen *(08 56 56)*

08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen *(08 56 56 00-0038)*

08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	40.82	5.16
		For Painted Steel, Add	*1.70*	
		For Galvanized Steel, Add	*5.09*	
		For Aluminum, Add	*10.19*	
		For Stainless Steel, Add	*33.95*	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	42.16	5.16
		For Painted Steel, Add	*1.76*	
		For Galvanized Steel, Add	*5.29*	
		For Aluminum, Add	*10.59*	
		For Stainless Steel, Add	*35.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	46.70	5.16
		For Painted Steel, Add	*1.99*	
		For Galvanized Steel, Add	*5.97*	
		For Aluminum, Add	*11.95*	
		For Stainless Steel, Add	*39.83*	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	55.27	5.16
		For Painted Steel, Add	*2.42*	
		For Galvanized Steel, Add	*7.26*	
		For Aluminum, Add	*14.52*	
		For Stainless Steel, Add	*48.40*	

08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen *(08 56 56 00-0038)*

08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	57.39	6.30
		For Painted Steel, Add	*2.41*	
		For Galvanized Steel, Add	*7.23*	
		For Aluminum, Add	*14.47*	
		For Stainless Steel, Add	*48.23*	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	59.75	6.30
		For Painted Steel, Add	*2.53*	
		For Galvanized Steel, Add	*7.59*	
		For Aluminum, Add	*15.18*	
		For Stainless Steel, Add	*50.59*	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	65.63	6.30
		For Painted Steel, Add	*2.82*	
		For Galvanized Steel, Add	*8.47*	
		For Aluminum, Add	*16.94*	
		For Stainless Steel, Add	*56.47*	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	77.90	6.30
		For Painted Steel, Add	*3.44*	
		For Galvanized Steel, Add	*10.31*	
		For Aluminum, Add	*20.62*	
		For Stainless Steel, Add	*68.74*	

08 56 56 00-0049 Removal And Reinstallation Of Security Screens And Guards *(08 56 56)*

Note: Includes storage, cleaning and supply materials.

08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens	14.43	

08 60 Roof Windows and Skylights *(08)*

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights *(08 60)*

08 62 23 Tubular Skylights *(08 62)*

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights *(08 62 23)*

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,442.36	244.28
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,066.84*	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,520.98	250.39
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,068.06*	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,597.37	256.49
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,069.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,704.74	262.60
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,070.50*	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,798.84	268.72
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,071.72*	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,875.23	274.82
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,072.94*	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,951.61	280.93
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,074.17*	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,076.70	287.04
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,075.39*	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,153.09	293.14
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,076.61*	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,231.69	299.25
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,077.83*	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,308.08	305.36
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,079.05*	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,433.15	311.46
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,080.27*	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,509.55	317.57
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,081.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,585.94	323.67
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,082.72*	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,662.33	329.78
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,083.94*	

08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,741.12	244.28
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,066.84*	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,848.51	250.39
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,068.06*	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,955.88	256.49
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,069.28*	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,063.25	262.60
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,070.50*	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,237.01	268.72
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,071.72*	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,344.38	274.82
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,072.94*	
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,451.75	280.93
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,074.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,625.52	287.04
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,075.39*	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,732.90	293.14
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,076.61*	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,840.27	299.25
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,077.83*	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,947.64	305.36
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,079.05*	
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,121.40	311.46
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,080.27*	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,228.78	317.57
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,081.49*	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,336.15	323.67
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,082.72*	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,443.52	329.78
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,083.94*	

08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,317.83	274.82
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,072.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,467.24	280.93
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,074.17*	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,618.88	287.04
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,075.39*	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,768.31	293.14
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,076.61*	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,006.24	299.25
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,077.83*	
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,155.66	305.36
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,079.05*	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,305.08	311.46
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,080.27*	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,545.24	317.57
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,081.49*	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,694.65	323.67
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,082.72*	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,844.08	329.78
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,083.94*	
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,993.49	335.89
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,085.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,231.44	341.99
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,086.38*	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,380.85	348.11
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,087.60*	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,532.48	354.22
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,088.82*	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,681.90	360.32
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,090.04*	

08 63 Metal-Framed Skylights *(08 60)*

08 63 13 Domed Metal-Framed Skylights *(08 63)*

08 63 13 00-0001 Domed Aluminum Framed Skylights *(08 63 13)*

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	968.54	164.89
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,153.99	177.10
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,526.74	195.43
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,708.27	207.64
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,212.01	177.10
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,488.22	195.43
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,610.72	207.64
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,815.15	219.86
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,090.34	238.18
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,516.04	207.64
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,634.13	213.75
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,822.46	219.86
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,963.95	225.96
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,161.10	244.28
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,404.55	256.49
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,775.63	219.86
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,925.43	232.07
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,152.77	238.18
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,278.67	250.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,600.18	262.60

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,163.66	164.89
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,345.21	177.10
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,678.93	195.43
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,864.36	207.64
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,352.50	177.10
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,597.49	195.43
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,727.78	207.64
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,947.83	219.86
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,168.38	238.18
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,625.31	207.64
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,759.00	213.75
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,888.79	219.86
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,038.10	225.96
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,200.12	244.28
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,447.48	256.49
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,904.40	219.86
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,065.92	232.07
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,234.72	238.18
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,368.43	250.39
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,658.72	262.60

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,179.27	164.89
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,376.42	177.10
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,721.86	195.43
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,391.52	177.10
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,652.12	195.43
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,770.71	207.64
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,994.66	219.86
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,660.43	207.64
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,790.22	213.75
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,939.52	219.86
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,088.83	225.96
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,262.56	244.28
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,951.23	219.86
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,128.35	232.07
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,297.16	238.18
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,430.86	250.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0063		**FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights** *(08 63 13 00-0003)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,206.58	164.89
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,419.35	177.10
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,760.88	195.43
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,004.85	207.64
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,430.54	177.10
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,687.24	195.43
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,809.73	207.64
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,053.19	219.86
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,703.35	207.64
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,833.15	213.75
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,994.16	219.86
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,147.36	225.96
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,325.00	244.28
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,009.77	219.86
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,186.89	232.07
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,359.60	238.18
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,501.11	250.39
08 63 13 00-0081		**Curb Top Inserts** *(08 63 13 00-0003)* Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.		
08 63 13 00-0082		**Single Glazed, Aluminum Framed Curb Top Inserts** *(08 63 13 00-0081)*		
08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	323.95	79.39
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	418.66	91.60
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	658.55	122.15
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	608.09	109.92
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	720.51	122.15
08 63 13 00-0088		**Double Glazed, Aluminum Framed Curb Top Inserts** *(08 63 13 00-0081)*		
08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	414.68	79.39
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	593.49	91.60
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	975.01	122.15
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	944.47	109.92
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	1,158.68	122.15
08 63 13 00-0094		**Triple Glazed, Aluminum Framed Curb Top Inserts** *(08 63 13 00-0081)*		
08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	503.20	79.39
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	759.47	91.60
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,364.49	122.15
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,258.71	109.92
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,565.88	122.15
08 63 13 00-0100		**Pyramid Style Fixed Dome, Aluminum Framed Skylights** *(08 63 13 00-0002)*		
08 63 13 00-0101		**Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight** *(08 63 13 00-0100)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	898.30	164.89
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,102.75	177.10
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,406.78	207.64
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,732.70	219.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0106		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,202.68	164.89
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,414.93	177.10
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,691.65	207.64
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,994.16	219.86
08 63 13 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,042.69	164.89
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,409.68	195.43
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,645.84	207.64
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,339.94	195.43
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,458.53	207.64
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,729.30	219.86
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,008.39	238.18
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,528.77	213.75
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,670.27	219.86
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,823.47	225.96
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,989.40	244.28
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,318.70	256.49
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,882.51	232.07
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,094.24	238.18
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,239.65	250.39
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,557.26	262.60
08 63 13 00-0129		Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,175.36	164.89
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,364.72	177.10
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,698.45	195.43
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,379.81	177.10
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,517.91	189.32
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,628.71	195.43
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,747.30	207.64
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,975.15	219.86
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,644.82	213.75
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,774.61	213.75
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,916.11	219.86
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,061.51	225.96
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,231.34	244.28
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,923.92	219.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,101.04	232.07
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,265.94	238.18
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,395.74	250.39
08 63 13 00-0147		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,353.01	177.10
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,749.18	195.43
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,671.63	195.43
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,798.03	207.64
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,037.58	219.86
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,821.44	213.75
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,974.65	219.86
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,131.75	225.96
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,293.78	244.28
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,171.28	232.07
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,343.99	238.18
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,481.59	250.39
08 63 13 00-0160		Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*		
08 63 13 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0160)*		
		Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.		
08 63 13 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0163		10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,290.75	244.28
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,911.20	232.07
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,552.20	244.28
08 63 13 00-0167		25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,847.76	244.28
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,483.82	232.07
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,202.87	244.28
08 63 13 00-0171		30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,296.53	244.28
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,924.78	232.07
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,643.83	244.28
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0176		10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,314.16	244.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,934.61	232.07
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,587.32	244.28
08 63 13 00-0180		25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,878.98	244.28
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,507.24	232.07
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,241.90	244.28
08 63 13 00-0184		30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,319.94	244.28
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,948.20	232.07
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,682.86	244.28

08 66 Wood-Framed Skylights *(08 60)*

08 66 00 00-0001		Wood-Framed Skylights (Andersen 400 Series) *(08 66)*		
08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	801.12	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*115.50*	
		For Aluminum Shingle Flashing, Add	*92.40*	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	819.98	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*120.22*	
		For Aluminum Shingle Flashing, Add	*96.17*	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	775.20	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*109.02*	
		For Aluminum Shingle Flashing, Add	*87.22*	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	834.12	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*123.75*	
		For Aluminum Shingle Flashing, Add	*99.00*	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	883.62	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*136.13*	
		For Aluminum Shingle Flashing, Add	*108.90*	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	963.77	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,065.13	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*181.50*	
		For Aluminum Shingle Flashing, Add	*145.20*	
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	775.20	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*109.02*	
		For Aluminum Shingle Flashing, Add	*87.22*	
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	895.41	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*139.07*	
		For Aluminum Shingle Flashing, Add	*111.26*	
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	963.77	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,041.55	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*175.61*	
		For Aluminum Shingle Flashing, Add	*140.49*	
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,145.27	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*201.54*	
		For Aluminum Shingle Flashing, Add	*161.23*	
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	801.12	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*115.50*	
		For Aluminum Shingle Flashing, Add	*92.40*	
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	834.12	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*123.75*	
		For Aluminum Shingle Flashing, Add	*99.00*	
08 66 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	895.41	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*139.07*	
		For Aluminum Shingle Flashing, Add	*111.26*	
08 66 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,112.27	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*193.29*	
		For Aluminum Shingle Flashing, Add	*154.63*	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	819.98	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*120.22*	
		For Aluminum Shingle Flashing, Add	*96.17*	
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	883.62	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*136.13*	
		For Aluminum Shingle Flashing, Add	*108.90*	
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	963.77	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,112.27	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*193.29*	
		For Aluminum Shingle Flashing, Add	*154.63*	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	963.77	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,041.55	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*175.61*	
		For Aluminum Shingle Flashing, Add	*140.49*	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,065.13	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*181.50*	
		For Aluminum Shingle Flashing, Add	*145.20*	
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,145.27	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	*201.54*	
		For Aluminum Shingle Flashing, Add	*161.23*	

08 70 Hardware *(08)*

08 71 Door Hardware *(08 70)*

08 71 11 Door Hardware *(08 71)*

Note: All hardware is Yale ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of exisiting door where required for modifications.

08 71 11 00-0001 **Hinges** *(08 71 11)*

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 11 00-0002 **Brass/Bronze, Satin Chrome Finish Hinges** *(08 71 11 00-0001)*

Note: US26D (BHMA 626) satin chrome finish.

08 71 11 00-0003 **Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges** *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	96.99	9.49
		For Clear Coated Bright Brass, Add	*6.55*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	106.34	13.57
		For Clear Coated Bright Brass, Add	*7.29*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	121.07	14.92
		For Clear Coated Bright Brass, Add	*6.10*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0007 **Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges** *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	111.23	9.49
		For Clear Coated Bright Brass, Add	*8.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	127.86	13.57
		For Clear Coated Bright Brass, Add	*8.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	130.57	14.92
		For Clear Coated Bright Brass, Add	*7.43*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	152.51	17.63
		For Clear Coated Bright Brass, Add	*8.69*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	153.45	17.63
		For Clear Coated Bright Brass, Add	*8.82*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	164.26	22.65
		For Clear Coated Bright Brass, Add	*10.34*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0014 **Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges** *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	125.69	9.49
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	142.32	13.57
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	146.30	14.92
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	169.86	17.63

08 71 11 00-0019 **Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges** *(08 71 11 00-0002)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	162.13	14.92
		For Clear Coated Bright Brass, Add	*11.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	184.34	17.63
		For Clear Coated Bright Brass, Add	*13.15*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	204.22	17.63
		For Clear Coated Bright Brass, Add	*15.93*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into mortised edge of the door and surface applied to the face of the frame.

08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	166.06	14.92
		For Clear Coated Bright Brass, Add	*12.40*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	195.53	17.63
		For Clear Coated Bright Brass, Add	*14.71*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0026 Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	161.30	14.92
		For Clear Coated Bright Brass, Add	*11.73*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0028	PR	5" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	186.51	22.65
		For Clear Coated Bright Brass, Add	*13.45*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0029	PR	6" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	220.66	22.65
		For Clear Coated Bright Brass, Add	*18.23*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0030 Mortised, Wrought Steel Hinges *(08 71 11 00-0001)*

Note: Clear coated, US 26D satin chrome finish (BHMA 652).

08 71 11 00-0031 Full Mortise, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	70.16	9.49
		For Primed For Paint Finish, Deduct	*-3.79*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.37*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.28*	
		For Stainless Steel, Add	*10.43*	
		For Heavy-Duty, Add	*2.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0033	PR	4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	88.76	13.57
		For Primed For Paint Finish, Deduct	*-4.19*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.62*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.51*	
		For Stainless Steel, Add	*11.52*	
		For Heavy-Duty, Add	*3.14*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0034	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	103.03	14.92
		For Primed For Paint Finish, Deduct	*-5.10*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.19*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-3.06*	
		For Stainless Steel, Add	*14.04*	
		For Heavy-Duty, Add	*3.83*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0035 Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0036	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	120.35	9.49
		For Primed For Paint Finish, Deduct	*-13.83*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.65*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.30*	
		For Stainless Steel, Add	*38.04*	
		For Heavy-Duty, Add	*10.37*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0037	PR	4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	146.14	13.57
		For Primed For Paint Finish, Deduct	*-15.66*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*9.79*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-9.40*	
		For Stainless Steel, Add	*43.08*	
		For Heavy-Duty, Add	*11.75*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0038	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	118.92	14.92
		For Primed For Paint Finish, Deduct	*-8.28*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*5.18*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.97*	
		For Stainless Steel, Add	*22.78*	
		For Heavy-Duty, Add	*6.21*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0039	PR	5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	204.93	17.63
		For Primed For Paint Finish, Deduct	*-22.90*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*14.31*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-13.74*	
		For Stainless Steel, Add	*62.98*	
		For Heavy-Duty, Add	*17.18*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0040	PR 5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	221.09	17.63
	For Primed For Paint Finish, Deduct	*-26.13*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*16.33*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-15.68*	
	For Stainless Steel, Add	*71.86*	
	For Heavy-Duty, Add	*19.60*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0041	PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	270.36	17.63
	For Primed For Paint Finish, Deduct	*-35.99*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*22.49*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-21.59*	
	For Stainless Steel, Add	*98.96*	
	For Heavy-Duty, Add	*26.99*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0043	PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	149.34	9.49
	For Primed For Paint Finish, Deduct	*-19.63*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*12.27*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-11.78*	
	For Stainless Steel, Add	*53.98*	
	For Heavy-Duty, Add	*14.72*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0044	PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	179.05	13.57
	For Primed For Paint Finish, Deduct	*-22.25*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*13.90*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-13.35*	
	For Stainless Steel, Add	*61.18*	
	For Heavy-Duty, Add	*16.68*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0045	PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	201.83	14.92
	For Primed For Paint Finish, Deduct	*-24.86*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.54*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-14.92*	
	For Stainless Steel, Add	*68.38*	
	For Heavy-Duty, Add	*18.65*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0046	PR 5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	227.83	17.63
	For Primed For Paint Finish, Deduct	*-27.48*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*17.18*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-16.49*	
	For Stainless Steel, Add	*75.57*	
	For Heavy-Duty, Add	*20.61*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0048	PR 4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	208.49	14.92
	For Primed For Paint Finish, Deduct	*-28.13*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*17.58*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-16.88*	
	For Stainless Steel, Add	*77.37*	
	For Heavy-Duty, Add	*21.10*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0049	PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	233.17	14.92
	For Primed For Paint Finish, Deduct	*-31.13*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*19.46*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-18.68*	
	For Stainless Steel, Add	*85.61*	
	For Heavy-Duty, Add	*23.35*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0050	PR 5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	270.36	17.63
	For Primed For Paint Finish, Deduct	*-35.99*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*22.49*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-21.59*	
	For Stainless Steel, Add	*98.96*	
	For Heavy-Duty, Add	*26.99*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0051 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Both leaves slide into a cavity prepared in the door and door frame.

08 71 11 00-0052	PR 4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge	163.03	14.92
	For Primed For Paint Finish, Deduct	*-17.10*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.69*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-10.26*	
	For Stainless Steel, Add	*47.04*	
	For Heavy-Duty, Add	*12.83*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0053 Blank Butt Hinges *(08 71 11 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0054	PR	3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	35.14	6.10
		For Primed For Paint Finish, Deduct	*-2.18*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.36*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.31*	
		For Stainless Steel, Add	*5.99*	
		For Heavy-Duty, Add	*1.63*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0055		Full Mortise, Single Acting Spring, Wrought Steel Hinges *(08 71 11 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	132.87	9.49
		For Primed For Paint Finish, Deduct	*-16.34*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.21*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-9.80*	
		For Stainless Steel, Add	*44.92*	
08 71 11 00-0057	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge	174.67	13.57
		For Primed For Paint Finish, Deduct	*-21.37*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*13.36*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-12.82*	
		For Stainless Steel, Add	*58.77*	
08 71 11 00-0058	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	234.68	14.92
		For Primed For Paint Finish, Deduct	*-31.43*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*19.65*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-18.86*	
		For Stainless Steel, Add	*86.44*	
08 71 11 00-0059		Offset And Pivot Hinges *(08 71 11 00-0001)*		
		Note: Satin chrome plated, US26D.		
08 71 11 00-0060		Offset Swing Clear Hinges *(08 71 11 00-0059)*		
		Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061	EA	4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges	193.38	4.23
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*33.53*	
		For Bright Chrome Plated US26 (BHMA 625) Finish, Add	*54.00*	
08 71 11 00-0062		Offset Pivot Hinges *(08 71 11 00-0059)*		
08 71 11 00-0063		3/4" Offset Pivot Hinges *(08 71 11 00-0062)*		
08 71 11 00-0064		3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0065		Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0066		200 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0067	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	160.28	13.57
08 71 11 00-0068	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	214.76	13.57
08 71 11 00-0069	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	245.03	13.57
08 71 11 00-0070	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	245.03	13.57
08 71 11 00-0071	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	245.03	13.57
08 71 11 00-0072	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	245.03	13.57
08 71 11 00-0073	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	245.03	13.57
08 71 11 00-0074	EA	Painted Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	176.02	13.57
08 71 11 00-0075	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	223.25	13.57
08 71 11 00-0076	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	254.71	13.57
08 71 11 00-0077	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	254.71	13.57
08 71 11 00-0078	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	254.71	13.57
08 71 11 00-0079	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	254.71	13.57
08 71 11 00-0080	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	254.71	13.57
08 71 11 00-0081	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	160.28	13.57
08 71 11 00-0082	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	214.76	13.57
08 71 11 00-0083	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	245.03	13.57
08 71 11 00-0084	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	245.03	13.57
08 71 11 00-0085	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	245.03	13.57
08 71 11 00-0086	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	245.03	13.57
08 71 11 00-0087	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	245.03	13.57
08 71 11 00-0088		500 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0089	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	167.06	16.96
08 71 11 00-0090	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	221.54	16.96
08 71 11 00-0091	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	251.81	16.96
08 71 11 00-0092	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	251.81	16.96
08 71 11 00-0093	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	251.81	16.96
08 71 11 00-0094	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	251.81	16.96
08 71 11 00-0095	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	251.81	16.96
08 71 11 00-0096		600 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0097	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	167.06	16.96
08 71 11 00-0098	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	221.54	16.96
08 71 11 00-0099	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	251.81	16.96
08 71 11 00-0100	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	251.81	16.96
08 71 11 00-0101	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	251.81	16.96
08 71 11 00-0102	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	251.81	16.96
08 71 11 00-0103	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	251.81	16.96

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0104		700 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0105	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	167.06	16.96
08 71 11 00-0106	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	221.54	16.96
08 71 11 00-0107	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	251.81	16.96
08 71 11 00-0108	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	251.81	16.96
08 71 11 00-0109	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	251.81	16.96
08 71 11 00-0110	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	251.81	16.96
08 71 11 00-0111	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	251.81	16.96
08 71 11 00-0112		Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0113		200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0114	EA	Painted Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	199.01	13.57
08 71 11 00-0115	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	245.03	13.57
08 71 11 00-0116	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	277.71	13.57
08 71 11 00-0117	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	277.71	13.57
08 71 11 00-0118	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	277.71	13.57
08 71 11 00-0119	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	277.71	13.57
08 71 11 00-0120	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	277.71	13.57
08 71 11 00-0121		500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0122	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	221.54	16.96
08 71 11 00-0123	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	236.06	16.96
08 71 11 00-0124	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	261.49	16.96
08 71 11 00-0125	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	261.49	16.96
08 71 11 00-0126	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	261.49	16.96
08 71 11 00-0127	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	261.49	16.96
08 71 11 00-0128	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	261.49	16.96
08 71 11 00-0129		600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0130	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	221.54	16.96
08 71 11 00-0131	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	236.06	16.96
08 71 11 00-0132	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	261.49	16.96
08 71 11 00-0133	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	261.49	16.96
08 71 11 00-0134	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	261.49	16.96
08 71 11 00-0135	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	261.49	16.96
08 71 11 00-0136	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	261.49	16.96
08 71 11 00-0137		700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0138	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	221.54	16.96
08 71 11 00-0139	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	236.06	16.96
08 71 11 00-0140	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	261.49	16.96
08 71 11 00-0141	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	261.49	16.96
08 71 11 00-0142	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	261.49	16.96
08 71 11 00-0143	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	261.49	16.96
08 71 11 00-0144	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	261.49	16.96
08 71 11 00-0145		Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0146		200 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0147	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	176.02	13.57
08 71 11 00-0148	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	223.25	13.57
08 71 11 00-0149	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	254.71	13.57
08 71 11 00-0150	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	254.71	13.57
08 71 11 00-0151	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	254.71	13.57
08 71 11 00-0152	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	316.55	13.57
08 71 11 00-0153	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	254.71	13.57
08 71 11 00-0154	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	176.02	13.57
08 71 11 00-0155	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	223.25	13.57
08 71 11 00-0156	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	254.71	13.57
08 71 11 00-0157	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	254.71	13.57
08 71 11 00-0158	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	254.71	13.57
08 71 11 00-0159	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	254.71	13.57
08 71 11 00-0160	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	254.71	13.57
08 71 11 00-0161	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	153.03	13.57
08 71 11 00-0162	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	207.51	13.57
08 71 11 00-0163	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	238.97	13.57
08 71 11 00-0164	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	238.97	13.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0165	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	238.97	13.57
08 71 11 00-0166	EA	Dark Bronze Finish, 200 Lb. Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	238.97	13.57
08 71 11 00-0167	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	238.97	13.57
08 71 11 00-0168		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0169	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	267.55	16.96
08 71 11 00-0170	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	284.49	16.96
08 71 11 00-0171	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	284.49	16.96
08 71 11 00-0172	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	284.49	16.96
08 71 11 00-0173	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	284.49	16.96
08 71 11 00-0174	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	284.49	16.96
08 71 11 00-0175	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	289.33	16.96
08 71 11 00-0176		600 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0177	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	230.03	16.96
08 71 11 00-0178	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	251.81	16.96
08 71 11 00-0179	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	267.55	16.96
08 71 11 00-0180	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	267.55	16.96
08 71 11 00-0181	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	267.55	16.96
08 71 11 00-0182	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	267.55	16.96
08 71 11 00-0183	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	267.55	16.96
08 71 11 00-0184		700 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0185	EA	Painted Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	525.38	16.96
08 71 11 00-0186	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	564.11	16.96
08 71 11 00-0187	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	625.87	16.96
08 71 11 00-0188	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	625.87	16.96
08 71 11 00-0189	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	625.87	16.96
08 71 11 00-0190	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	625.87	16.96
08 71 11 00-0191	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	625.87	16.96
08 71 11 00-0192		Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0193		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0194		500 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0195	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	313.56	16.96
08 71 11 00-0196	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	370.43	16.96
08 71 11 00-0197	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	416.44	16.96
08 71 11 00-0198	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	416.44	16.96
08 71 11 00-0199	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	416.44	16.96
08 71 11 00-0200		600 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0201	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	313.56	16.96
08 71 11 00-0202	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	370.43	16.96
08 71 11 00-0203	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	416.44	16.96
08 71 11 00-0204	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	416.44	16.96
08 71 11 00-0205	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	416.44	16.96
08 71 11 00-0206		700 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0207	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	313.56	16.96
08 71 11 00-0208	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	370.43	16.96
08 71 11 00-0209	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	416.44	16.96
08 71 11 00-0210	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	416.44	16.96
08 71 11 00-0211	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	416.44	16.96
08 71 11 00-0212		1,000 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0213	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	330.00	20.35
08 71 11 00-0214	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	377.21	20.35
08 71 11 00-0215	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	399.01	20.35
08 71 11 00-0216	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	399.01	20.35
08 71 11 00-0217	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	399.01	20.35
08 71 11 00-0218		1,750 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0219	EA	Painted Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	330.00	20.35
08 71 11 00-0220	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	377.21	20.35
08 71 11 00-0221	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	399.01	20.35
08 71 11 00-0222	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	399.01	20.35
08 71 11 00-0223	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	399.01	20.35
08 71 11 00-0224		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0225		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0226	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	323.22	16.96
08 71 11 00-0227	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	376.49	16.96
08 71 11 00-0228	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	392.23	16.96
08 71 11 00-0229	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	392.23	16.96
08 71 11 00-0230	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	392.23	16.96
08 71 11 00-0231		600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0232	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	323.22	16.96
08 71 11 00-0233	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	376.49	16.96
08 71 11 00-0234	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	392.23	16.96
08 71 11 00-0235	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	392.23	16.96
08 71 11 00-0236	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	392.23	16.96
08 71 11 00-0237		700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0238	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	323.22	16.96
08 71 11 00-0239	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	376.49	16.96
08 71 11 00-0240	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	392.23	16.96
08 71 11 00-0241	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	392.23	16.96
08 71 11 00-0242	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	392.23	16.96
08 71 11 00-0243		1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0244	EA	Painted Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	361.49	20.35
08 71 11 00-0245	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	415.95	20.35
08 71 11 00-0246	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	430.47	20.35
08 71 11 00-0247	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	430.47	20.35
08 71 11 00-0248	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	430.47	20.35

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0249		1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0250	EA	Painted Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	361.49	20.35
08 71 11 00-0251	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	415.95	20.35
08 71 11 00-0252	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	430.47	20.35
08 71 11 00-0253	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	430.47	20.35
08 71 11 00-0254	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	430.47	20.35
08 71 11 00-0255		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0256		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0257	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	360.77	16.96
08 71 11 00-0258	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	446.71	16.96
08 71 11 00-0259	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	479.39	16.96
08 71 11 00-0260	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	479.39	16.96
08 71 11 00-0261	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	479.39	16.96
08 71 11 00-0262		600 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0263	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	354.71	16.96
08 71 11 00-0264	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	376.49	16.96
08 71 11 00-0265	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	432.18	16.96
08 71 11 00-0266	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	432.18	16.96
08 71 11 00-0267	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	432.18	16.96
08 71 11 00-0268		1,000 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0269	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	407.48	20.35
08 71 11 00-0270	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	453.49	20.35
08 71 11 00-0271	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	470.43	20.35
08 71 11 00-0272	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	470.43	20.35
08 71 11 00-0273	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	470.43	20.35
08 71 11 00-0274		1,750 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0275	EA	Painted Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	578.17	20.35
08 71 11 00-0276	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	616.91	20.35
08 71 11 00-0277	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	632.65	20.35
08 71 11 00-0278	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	632.65	20.35
08 71 11 00-0279	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	632.65	20.35
08 71 11 00-0280		1-1/2" Offset Pivot Hinges *(08 71 11 00-0062)*		
08 71 11 00-0281		Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0280)*		
08 71 11 00-0282		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0283		400 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0284	EA	Painted Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	370.43	16.96
08 71 11 00-0285	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	400.70	16.96
08 71 11 00-0286	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	423.69	16.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0287	EA	Bright Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	423.69	16.96
08 71 11 00-0288	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	423.69	16.96
08 71 11 00-0289		500 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0290	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	370.43	16.96
08 71 11 00-0291	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	400.70	16.96
08 71 11 00-0292	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	423.69	16.96
08 71 11 00-0293	EA	Bright Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	423.69	16.96
08 71 11 00-0294	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	423.69	16.96
08 71 11 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0296		400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0297	EA	Painted Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	384.95	16.96
08 71 11 00-0298	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	432.18	16.96
08 71 11 00-0299	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	455.18	16.96
08 71 11 00-0300	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	455.18	16.96
08 71 11 00-0301	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	455.18	16.96
08 71 11 00-0302		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0303	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	384.95	16.96
08 71 11 00-0304	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	432.18	16.96
08 71 11 00-0305	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	455.18	16.96
08 71 11 00-0306	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	455.18	16.96
08 71 11 00-0307	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	455.18	16.96
08 71 11 00-0308		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0309		400 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0310	EA	Painted Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	376.49	16.96
08 71 11 00-0311	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	432.18	16.96
08 71 11 00-0312	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	455.18	16.96
08 71 11 00-0313	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	455.18	16.96
08 71 11 00-0314	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	455.18	16.96
08 71 11 00-0315		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0316	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	610.13	16.96
08 71 11 00-0317	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	673.07	16.96
08 71 11 00-0318	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	688.82	16.96
08 71 11 00-0319	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	688.82	16.96
08 71 11 00-0320	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	688.82	16.96
08 71 11 00-0321		Center Hung Pivot Hinges *(08 71 11 00-0059)*		
08 71 11 00-0322		Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0321)*		
08 71 11 00-0323		300 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0324	EA	Painted Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	191.76	13.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0325	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.51	13.57
08 71 11 00-0326	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.51	13.57
08 71 11 00-0327	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.51	13.57
08 71 11 00-0328	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.51	13.57
08 71 11 00-0329	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.51	13.57
08 71 11 00-0330	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.51	13.57
08 71 11 00-0331		**500 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges** *(08 71 11 00-0322)*		
08 71 11 00-0332	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	198.54	16.96
08 71 11 00-0333	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	214.29	16.96
08 71 11 00-0334	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	214.29	16.96
08 71 11 00-0335	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	214.29	16.96
08 71 11 00-0336	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	214.29	16.96
08 71 11 00-0337	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	214.29	16.96
08 71 11 00-0338	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	214.29	16.96
08 71 11 00-0339		**600 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges** *(08 71 11 00-0322)*		
08 71 11 00-0340	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	198.54	16.96
08 71 11 00-0341	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	214.29	16.96
08 71 11 00-0342	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	214.29	16.96
08 71 11 00-0343	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	214.29	16.96
08 71 11 00-0344	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	214.29	16.96
08 71 11 00-0345	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	214.29	16.96
08 71 11 00-0346	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	214.29	16.96
08 71 11 00-0347		**1,000 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges** *(08 71 11 00-0322)*		
08 71 11 00-0348	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	314.26	20.35
08 71 11 00-0349	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	367.55	20.35
08 71 11 00-0350	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	423.22	20.35
08 71 11 00-0351	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	423.22	20.35
08 71 11 00-0352	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	423.22	20.35
08 71 11 00-0353	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	423.22	20.35
08 71 11 00-0354	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	423.22	20.35
08 71 11 00-0355		**Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0321)*		
08 71 11 00-0356		**300 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0357	EA	Painted Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	145.75	13.57
08 71 11 00-0358	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	168.77	13.57
08 71 11 00-0359	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	191.76	13.57
08 71 11 00-0360	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	191.76	13.57
08 71 11 00-0361	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	191.76	13.57
08 71 11 00-0362	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	191.76	13.57
08 71 11 00-0363	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	191.76	13.57
08 71 11 00-0364		**500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0365	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	214.29	16.96
08 71 11 00-0366	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	221.54	16.96
08 71 11 00-0367	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	221.54	16.96
08 71 11 00-0368	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	221.54	16.96
08 71 11 00-0369	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	221.54	16.96
08 71 11 00-0370	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	221.54	16.96
08 71 11 00-0371	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	221.54	16.96
08 71 11 00-0372	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	214.29	16.96
08 71 11 00-0373	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54	16.96
08 71 11 00-0374	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54	16.96
08 71 11 00-0375	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54	16.96
08 71 11 00-0376	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54	16.96
08 71 11 00-0377	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54	16.96
08 71 11 00-0378	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54	16.96
08 71 11 00-0379		**600 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0380	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	432.18	16.96
08 71 11 00-0381	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	455.18	16.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0382	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	479.39	16.96
08 71 11 00-0383	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	479.39	16.96
08 71 11 00-0384	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	479.39	16.96
08 71 11 00-0385	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	479.39	16.96
08 71 11 00-0386	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	479.39	16.96

08 71 11 00-0387 1,000 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0355)*

08 71 11 00-0388	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	796.07	20.35
08 71 11 00-0389	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	819.06	20.35
08 71 11 00-0390	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	850.55	20.35
08 71 11 00-0391	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	850.55	20.35
08 71 11 00-0392	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	850.55	20.35
08 71 11 00-0393	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	850.55	20.35
08 71 11 00-0394	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	850.55	20.35

08 71 11 00-0395 Continuous Barrel-Type Hinge *(08 71 11 00-0001)*

08 71 11 00-0396	LF	1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	33.50	5.43
		For Stainless Steel, Add	*6.49*	
		For Brass Or Nickel, Add	*7.08*	
		For Aluminum, Add	*2.31*	
		For Medium Gauge, Deduct	*-2.36*	
08 71 11 00-0397	LF	2" Wide, Steel, Continuous Barrel-Type Hinge	34.29	5.43
		For Stainless Steel, Add	*6.92*	
		For Brass Or Nickel, Add	*7.55*	
		For Aluminum, Add	*2.47*	
		For Medium Gauge, Deduct	*-2.52*	
08 71 11 00-0398	LF	2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	35.86	5.43
		For Stainless Steel, Add	*7.79*	
		For Brass Or Nickel, Add	*8.50*	
		For Aluminum, Add	*2.78*	
		For Medium Gauge, Deduct	*-2.83*	
08 71 11 00-0399	LF	3" Wide, Steel, Continuous Barrel-Type Hinge	37.64	5.43
		For Stainless Steel, Add	*8.77*	
		For Brass Or Nickel, Add	*9.56*	
		For Aluminum, Add	*3.12*	
		For Medium Gauge, Deduct	*-3.19*	

08 71 11 00-0400 Continuous Geared Hinges *(08 71 11 00-0001)*

08 71 11 00-0401	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	65.77	5.43
		For Bronze Finish, Add	*16.53*	
		For Heavy-Duty, Add	*11.78*	
08 71 11 00-0402	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	70.92	5.43
		For Bronze Finish, Add	*18.46*	
		For Heavy-Duty, Add	*13.15*	
08 71 11 00-0403	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	45.10	5.43
		For Bronze Finish, Add	*8.78*	
08 71 11 00-0404	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy-Duty (Roton 780-112HD)	52.57	5.43
		For Bronze Finish, Add	*11.58*	

08 71 11 00-0405 Mortised, Primed Steel, Double Acting Spring Hinges *(08 71 11 00-0001)*

08 71 11 00-0406	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	197.37	9.49
		For Satin Brass, Add	*35.97*	
08 71 11 00-0407	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	211.01	12.21
		For Satin Brass, Add	*35.99*	
08 71 11 00-0408	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	232.74	14.92
		For Satin Brass, Add	*37.95*	
08 71 11 00-0409	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	306.95	17.63
		For Satin Brass, Add	*52.51*	
08 71 11 00-0410	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	342.70	20.35
		For Satin Brass, Add	*57.83*	
08 71 11 00-0411	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	413.78	23.06
		For Satin Brass, Add	*71.64*	
08 71 11 00-0412	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	567.86	64.44
		For Satin Brass, Add	*105.36*	

08 71 11 00-0413 Security Hinges *(08 71 11 00-0001)*

08 71 11 00-0414	EA	4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	45.97	9.49

08 71 11 00-0415 Concealed Circuit Electric Hinge Option *(08 71 11 00-0001)*

Note: Excludes the hinge. These tasks are used in conjunction with other hinges to electrify the hinge.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0416	EA	4 Wire Concealed Circuit Electric Hinge Option	315.77	
08 71 11 00-0417	EA	6 Wire Concealed Circuit Electric Hinge Option	372.81	
08 71 11 00-0418	EA	8 Wire Concealed Circuit Electric Hinge Option	429.86	
08 71 11 00-0419		**Hinge Filler Plates For Door Frames** *(08 71 11 00-0001)*		
08 71 11 00-0420	PR	Hinge Filler Plates For Door Frames	23.90	6.78
08 71 11 00-0421		**Door Trim** *(08 71 11)*		
08 71 11 00-0422		**Floor Stops, Wall Stops And Bumpers** *(08 71 11 00-0421)*		
08 71 11 00-0423		**Floor Stops** *(08 71 11 00-0422)*		
08 71 11 00-0424		**Aluminum Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0425	EA	1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	37.82	16.96
08 71 11 00-0426	EA	1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	41.71	16.96
08 71 11 00-0427	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	43.19	16.96
08 71 11 00-0428	EA	2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	65.76	16.96
08 71 11 00-0429	EA	3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	68.46	16.96
08 71 11 00-0430		**Brass Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0431	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	42.25	16.96
08 71 11 00-0432	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	43.74	16.96
08 71 11 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	43.74	16.96
08 71 11 00-0434	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	44.31	16.96
08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	45.07	16.96
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	45.07	16.96
08 71 11 00-0437	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	45.07	16.96
08 71 11 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	43.19	16.96
08 71 11 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	45.44	16.96
08 71 11 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	45.44	16.96
08 71 11 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	46.32	16.96
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	47.07	16.96
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	47.07	16.96
08 71 11 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	50.62	16.96
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	45.59	16.96
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	45.59	16.96
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	48.05	16.96
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	48.05	16.96
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	48.05	16.96
08 71 11 00-0450	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	48.05	16.96
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	47.29	16.96
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	47.29	16.96
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	49.68	16.96
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	49.68	16.96
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	49.68	16.96
08 71 11 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	49.68	16.96
08 71 11 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	67.94	16.96
08 71 11 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	69.01	16.96
08 71 11 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	71.58	16.96
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	73.68	16.96
08 71 11 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	73.68	16.96
08 71 11 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	82.20	16.96
08 71 11 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	82.20	16.96
08 71 11 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	79.05	16.96
08 71 11 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	80.56	16.96
08 71 11 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	80.56	16.96
08 71 11 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	80.56	16.96
08 71 11 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	80.56	16.96
08 71 11 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	92.24	16.96
08 71 11 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	92.24	16.96
08 71 11 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	55.23	16.96
08 71 11 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	57.18	16.96
08 71 11 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	61.57	16.96
08 71 11 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	61.57	16.96
08 71 11 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	61.57	16.96
08 71 11 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	62.88	16.96
08 71 11 00-0477		**Steel Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0478	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	47.65	16.96
08 71 11 00-0479	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) Note: Includes drilling. Excludes Grout.	119.91	16.96
08 71 11 00-0480	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) Note: Includes drilling. Excludes Grout.	126.06	16.96
08 71 11 00-0481		**Wall Stops** *(08 71 11 00-0422)*		
08 71 11 00-0482		**Aluminum Wall Stops** *(08 71 11 00-0481)*		
08 71 11 00-0483	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	18.94	6.78
08 71 11 00-0484	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	27.63	10.18

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0485		**Brass Wall Stops** *(08 71 11 00-0481)*		
08 71 11 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	32.16	6.78
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	32.16	6.78
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	32.16	6.78
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	37.93	6.78
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	38.47	6.78
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	38.47	6.78
08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	38.47	6.78
08 71 11 00-0493	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	89.09	10.18
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	91.12	10.18
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	91.12	10.18
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	91.12	10.18
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	91.12	10.18
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	91.12	10.18
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	74.77	10.18
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	85.75	10.18
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	85.75	10.18
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	85.75	10.18
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	85.75	10.18
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	88.36	10.18
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	88.36	10.18
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	142.60	10.18
08 71 11 00-0507		**Steel Wall Stops** *(08 71 11 00-0481)*		
08 71 11 00-0508	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	14.69	6.78
08 71 11 00-0509		**Hinge Pin Door Stops** *(08 71 11 00-0422)*		
08 71 11 00-0510		**Aluminum Hinge Pin Door Stops** *(08 71 11 00-0509)*		
08 71 11 00-0511	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	30.47	13.57
08 71 11 00-0512		**Brass Hinge Pin Door Stops** *(08 71 11 00-0509)*		
08 71 11 00-0513	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	31.10	13.57
08 71 11 00-0514	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	35.11	13.57
08 71 11 00-0515	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	44.75	13.57
08 71 11 00-0516	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	44.75	13.57
08 71 11 00-0517	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	44.75	13.57
08 71 11 00-0518	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	49.27	13.57
08 71 11 00-0519	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	49.27	13.57
08 71 11 00-0520	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	49.27	13.57
08 71 11 00-0521	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	49.27	13.57
08 71 11 00-0522		**Wall Bumpers** *(08 71 11 00-0422)*		
08 71 11 00-0523		**Brass Wall Bumpers** *(08 71 11 00-0522)*		
08 71 11 00-0524	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.22	16.96
08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.22	16.96
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.22	16.96
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.77	16.96
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.77	16.96
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.77	16.96
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.77	16.96
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	59.33	16.96
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.37	16.96
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.37	16.96
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.37	16.96
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.37	16.96
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.37	16.96
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	65.49	16.96
08 71 11 00-0538		**Rubber Wall Bumpers** *(08 71 11 00-0522)*		
08 71 11 00-0539	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	38.22	16.96
08 71 11 00-0540		**Holders** *(08 71 11 00-0421)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0541		Plunger Type Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0542		Aluminum Plunger Type Door Holders *(08 71 11 00-0541)*		
08 71 11 00-0543	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	94.09	10.18
08 71 11 00-0544		Brass Plunger Type Door Holders *(08 71 11 00-0541)*		
08 71 11 00-0545	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.36	10.18
08 71 11 00-0546	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.36	10.18
08 71 11 00-0547	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.36	10.18
08 71 11 00-0548	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.36	10.18
08 71 11 00-0549	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.36	10.18
08 71 11 00-0550	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.36	10.18
08 71 11 00-0551	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.36	10.18
08 71 11 00-0552		Kick Down Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0553		Aluminum Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0554	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	32.39	10.18
08 71 11 00-0555		Brass Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0556	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	69.25	10.18
08 71 11 00-0557	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	69.25	10.18
08 71 11 00-0558	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	69.25	10.18
08 71 11 00-0559	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	78.86	10.18
08 71 11 00-0560	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	78.86	10.18
08 71 11 00-0561	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	78.86	10.18
08 71 11 00-0562	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	81.29	10.18
08 71 11 00-0563		Steel Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0564	EA	Steel Kick Down Door Holder (Ives FS544)	39.82	10.18
08 71 11 00-0565		Floor Mounted Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0566		Brass Floor Mounted Door Holders *(08 71 11 00-0565)*		
08 71 11 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	135.61	20.35
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0568	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	135.61	20.35
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	167.55	20.35
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0570	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	167.55	20.35
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0571	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	167.55	20.35
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0572	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	167.55	20.35
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0573		Wall Mounted Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0574		Aluminum Wall Mounted Door Holders *(08 71 11 00-0573)*		
08 71 11 00-0575	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	119.77	11.87
08 71 11 00-0576	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	175.95	20.35
08 71 11 00-0577		Brass Wall Mounted Door Holders *(08 71 11 00-0573)*		
08 71 11 00-0578	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	110.09	11.87
08 71 11 00-0579	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	127.41	11.87
08 71 11 00-0580	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	127.41	11.87
08 71 11 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	127.41	11.87
08 71 11 00-0582	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	127.41	11.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0583	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	127.41	11.87
08 71 11 00-0584	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	131.48	11.87
08 71 11 00-0585	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	124.59	11.87
08 71 11 00-0586	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	148.22	11.87
08 71 11 00-0587	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	148.22	11.87
08 71 11 00-0588	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	148.22	11.87
08 71 11 00-0589	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	148.22	11.87
08 71 11 00-0590	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	148.22	11.87
08 71 11 00-0591	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	199.52	20.35
08 71 11 00-0592	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	210.14	20.35
08 71 11 00-0593	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	210.14	20.35
08 71 11 00-0594	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	210.14	20.35
08 71 11 00-0595	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	210.14	20.35
08 71 11 00-0596	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	210.14	20.35

08 71 11 00-0597 Overhead Door Holders *(08 71 11 00-0540)*

08 71 11 00-0598 Surface Mounted, Overhead Door Holders *(08 71 11 00-0597)*

08 71 11 00-0599	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	619.78	33.91
		For Hold Open, Add	*69.86*	
08 71 11 00-0600	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	708.96	33.91
		For Hold Open, Add	*82.73*	
08 71 11 00-0601	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	708.96	33.91
		For Hold Open, Add	*82.73*	
08 71 11 00-0602	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	708.96	33.91
		For Hold Open, Add	*82.73*	
08 71 11 00-0603	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	705.93	33.91
		For Hold Open, Add	*82.29*	

08 71 11 00-0604 Heavy-Duty, Surface Mounted, Overhead Door Holders *(08 71 11 00-0597)*

Note: With or without hold open feature.

08 71 11 00-0605	EA	Heavy-Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	485.10	33.91
08 71 11 00-0606	EA	Heavy-Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	698.04	33.91
08 71 11 00-0607	EA	Heavy-Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	790.86	33.91
08 71 11 00-0608	EA	Heavy-Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	790.86	33.91
08 71 11 00-0609	EA	Heavy-Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	790.86	33.91

08 71 11 00-0610 Concealed Mounted, Overhead Door Holders *(08 71 11 00-0597)*

Note: With or without hold open feature.

08 71 11 00-0611	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	675.60	33.91
08 71 11 00-0612	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	675.60	33.91
08 71 11 00-0613	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	712.00	33.91
08 71 11 00-0614	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	742.94	33.91
08 71 11 00-0615	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	742.94	33.91

08 71 11 00-0616 Silencers *(08 71 11 00-0421)*

08 71 11 00-0617	EA	Replacement Of Rubber Door Silencers Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.	2.02	

08 71 11 00-0618 Bolts *(08 71 11 00-0421)*

08 71 11 00-0619 Brass Surface Bolts *(08 71 11 00-0618)*

08 71 11 00-0620	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	202.08	16.96
08 71 11 00-0621	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	216.10	16.96
08 71 11 00-0622	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	216.10	16.96

08 71 11 00-0623 Steel Surface Bolts *(08 71 11 00-0618)*

08 71 11 00-0624	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	93.49	16.96
08 71 11 00-0625	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	93.49	16.96
08 71 11 00-0626	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	93.49	16.96
08 71 11 00-0627	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	105.74	16.96
08 71 11 00-0628	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	107.50	16.96
08 71 11 00-0629	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	110.99	16.96
08 71 11 00-0630	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	109.23	16.96
08 71 11 00-0631	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	114.51	16.96
08 71 11 00-0632	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	121.51	16.96
08 71 11 00-0633	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	126.76	16.96
08 71 11 00-0634	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	196.83	16.96

08 71 11 00-0635 Door Viewer *(08 71 11 00-0421)*

08 71 11 00-0636 Brass Door Viewer *(08 71 11 00-0635)*

08 71 11 00-0637	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	50.62	16.96
08 71 11 00-0638	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	50.62	16.96
08 71 11 00-0639	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	50.62	16.96
08 71 11 00-0640	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	58.45	16.96
08 71 11 00-0641	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	58.45	16.96
08 71 11 00-0642	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	58.45	16.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0643	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	68.10	16.96
08 71 11 00-0644	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	68.10	16.96
08 71 11 00-0645		Door Knockers *(08 71 11 00-0421)*		
08 71 11 00-0646		Brass Door Knockers *(08 71 11 00-0645)*		
08 71 11 00-0647	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	74.77	16.96
08 71 11 00-0648	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	82.20	16.96
08 71 11 00-0649	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	82.20	16.96
08 71 11 00-0650	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	82.20	16.96
08 71 11 00-0651	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	110.41	16.96
08 71 11 00-0652	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	128.34	16.96
08 71 11 00-0653		Hasps *(08 71 11 00-0421)*		
08 71 11 00-0654	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	35.73	12.80
08 71 11 00-0655	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	38.08	13.57
08 71 11 00-0656	EA	6", Zinc Plated Finish, Steel Hasp Assembly	48.30	15.26
08 71 11 00-0657	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	190.73	18.31
08 71 11 00-0658		Flush Bolts *(08 71 11 00-0421)*		
08 71 11 00-0659		Flush Bolts For Metal Doors *(08 71 11 00-0658)*		
08 71 11 00-0660		Brass Flush Bolts For Metal Doors *(08 71 11 00-0659)*		
08 71 11 00-0661		Manual, Brass Flush Bolts For Metal Doors *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0662	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	72.46	16.96
08 71 11 00-0663		Automatic, Brass Flush Bolts For Metal Doors *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0664	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	145.73	16.96
08 71 11 00-0665	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	145.73	16.96
08 71 11 00-0666	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	252.92	27.13
08 71 11 00-0667	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	259.38	23.73
08 71 11 00-0668	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	269.78	25.43
08 71 11 00-0669		Constant Latching, Brass Flush Bolts For Metal Doors *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0670	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	172.14	16.96
08 71 11 00-0671	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	319.14	27.13
08 71 11 00-0672	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	312.36	23.73
08 71 11 00-0673	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	324.51	25.43
08 71 11 00-0674		Stainless Steel Flush Bolts For Metal Doors *(08 71 11 00-0659)*		
08 71 11 00-0675		Automatic, Stainless Steel Flush Bolts For Metal Doors *(08 71 11 00-0674)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0676	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	145.73	16.96
08 71 11 00-0677	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	145.73	16.96
08 71 11 00-0678	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	252.92	27.13
08 71 11 00-0679	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	259.38	23.73
08 71 11 00-0680	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	269.78	25.43
08 71 11 00-0681		Constant Latching, Stainless Steel Flush Bolts For Metal Doors *(08 71 11 00-0674)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0682	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	172.14	16.96
08 71 11 00-0683	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	319.14	27.13
08 71 11 00-0684	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	312.36	23.73
08 71 11 00-0685	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	324.51	25.43
08 71 11 00-0686		Flush Bolts For Wood Doors *(08 71 11 00-0658)*		
08 71 11 00-0687		Brass Flush Bolts For Wood Doors *(08 71 11 00-0686)*		
08 71 11 00-0688		Manual, Brass Flush Bolts For Wood Doors *(08 71 11 00-0687)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0689	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	85.57	16.96
08 71 11 00-0690		Automatic, Brass Flush Bolts For Wood Doors *(08 71 11 00-0687)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0691	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	180.51	16.96
08 71 11 00-0692	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	180.51	16.96
08 71 11 00-0693	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	333.85	27.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0694	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	327.07	23.73
08 71 11 00-0695		**Constant Latching, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0696	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	179.15	16.96
08 71 11 00-0697	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	333.85	27.13
08 71 11 00-0698	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	327.07	23.73
08 71 11 00-0699		**Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0686)*		
08 71 11 00-0700		**Automatic, Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0701	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	180.51	16.96
08 71 11 00-0702	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	180.51	16.96
08 71 11 00-0703	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	333.85	27.13
08 71 11 00-0704	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	327.07	23.73
08 71 11 00-0705		**Constant Latching, Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0706	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	179.15	16.96
08 71 11 00-0707	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	333.85	27.13
08 71 11 00-0708	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	327.07	23.73
08 71 11 00-0709		**Dust Proof Strikes** *(08 71 11 00-0658)*		
08 71 11 00-0710	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	64.62	13.57
08 71 11 00-0711	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	64.62	13.57
08 71 11 00-0712	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	64.62	13.57
08 71 11 00-0713	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	64.62	13.57
08 71 11 00-0714	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	64.62	13.57
08 71 11 00-0715	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	74.42	13.57
08 71 11 00-0716	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	74.42	13.57
08 71 11 00-0717	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	74.42	13.57
08 71 11 00-0718	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	74.42	13.57
08 71 11 00-0719	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	74.42	13.57
08 71 11 00-0720		**Roller Bumpers** *(08 71 11 00-0421)*		
08 71 11 00-0721		**Brass Roller Bumpers** *(08 71 11 00-0720)*		
08 71 11 00-0722	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	67.37	10.18
08 71 11 00-0723	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	79.08	10.18
08 71 11 00-0724	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	79.08	10.18
08 71 11 00-0725	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	64.73	10.18
08 71 11 00-0726	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.65	10.18
08 71 11 00-0727	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.65	10.18
08 71 11 00-0728	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.65	10.18
08 71 11 00-0729	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	67.55	10.18
08 71 11 00-0730	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	73.86	10.18
08 71 11 00-0731	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.83	10.18
08 71 11 00-0732	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.83	10.18
08 71 11 00-0733	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.83	10.18
08 71 11 00-0734	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.83	10.18
08 71 11 00-0735	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.83	10.18
08 71 11 00-0736		**Other Door Trim** *(08 71 11 00-0421)*		
08 71 11 00-0737		**Coat And Hat Hooks** *(08 71 11 00-0736)*		
08 71 11 00-0738		**Aluminum Coat And Hat Hooks** *(08 71 11 00-0737)*		
08 71 11 00-0739	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	23.60	10.18
08 71 11 00-0740	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	23.60	10.18
08 71 11 00-0741	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	23.81	10.18
08 71 11 00-0742	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	23.44	10.18
08 71 11 00-0743	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	23.44	10.18
08 71 11 00-0744	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	23.44	10.18
08 71 11 00-0745	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	23.81	10.18
08 71 11 00-0746	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	24.90	10.18
08 71 11 00-0747	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	24.90	10.18
08 71 11 00-0748	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	24.90	10.18
08 71 11 00-0749	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	24.90	10.18
08 71 11 00-0750	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	24.90	10.18
08 71 11 00-0751		**Brass Coat And Hat Hooks** *(08 71 11 00-0737)*		
08 71 11 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	29.54	10.18
08 71 11 00-0753	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	30.12	10.18
08 71 11 00-0754	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	31.03	10.18
08 71 11 00-0755	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	31.03	10.18
08 71 11 00-0756	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	31.60	10.18
08 71 11 00-0757	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	33.45	10.18
08 71 11 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	36.06	10.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0759	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	36.06	10.18
08 71 11 00-0760	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	36.06	10.18
08 71 11 00-0761	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	36.64	10.18
08 71 11 00-0762		**Ball Catches** *(08 71 11 00-0736)*		
08 71 11 00-0763	EA	Satin Brass Finish, Brass Adjustable Ball Catch (Ives 347)	44.09	13.57
		For Owner Furnished Material, Deduct	*-16.96*	
08 71 11 00-0764	EA	Bright Brass Finish, Brass Adjustable Ball Catch (Ives 347)	44.09	13.57
		For Owner Furnished Material, Deduct	*-16.96*	
08 71 11 00-0765	EA	Satin Nickel Finish, Brass Adjustable Ball Catch (Ives 347)	45.85	13.57
		For Owner Furnished Material, Deduct	*-18.72*	
08 71 11 00-0766	EA	Satin Chrome Finish, Brass Adjustable Ball Catch (Ives 347)	46.76	13.57
		For Owner Furnished Material, Deduct	*-19.63*	
08 71 11 00-0767	EA	Satin Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	46.76	13.57
		For Owner Furnished Material, Deduct	*-19.63*	
08 71 11 00-0768	EA	Dark Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	46.76	13.57
		For Owner Furnished Material, Deduct	*-19.63*	
08 71 11 00-0769		**Other Door Trim** *(08 71 11 00-0736)*		
08 71 11 00-0770	EA	Adapter Kit For Installation Of Cipher Locks On Metal Doors	76.98	16.96
		For Owner Furnished Material, Deduct	*-43.07*	
08 71 11 00-0771	EA	Push Or Pull Exit Paddle For Storefront Aluminum Door Note: Aluminum with dark bronze or satin aluminum finish.	180.54	33.91
		For Owner Furnished Material, Deduct	*-112.72*	
08 71 11 00-0772	EA	Public Toilet Lock	82.27	22.65
		For Owner Furnished Material, Deduct	*-48.36*	
08 71 11 00-0773	EA	Slide Latch Handle Mechanism For Toilet Stall Partition Doors	77.35	13.57
		For Owner Furnished Material, Deduct	*-50.22*	
08 71 11 00-0774	EA	Brass Entry Lockset Door Repair Cover, US3	112.28	16.96
		For Owner Furnished Material, Deduct	*-44.46*	
08 71 11 00-0775	EA	Stainless Steel Entry Lockset Door Repair Cover, US32D	120.38	16.96
		For Owner Furnished Material, Deduct	*-52.56*	
08 71 11 00-0776	EA	Brass Entry Deadlock Door Repair Cover, US3	95.93	16.96
		For Owner Furnished Material, Deduct	*-28.11*	
08 71 11 00-0777	EA	Latch Protector	42.20	13.57
		For Owner Furnished Material, Deduct	*-15.07*	
08 71 11 00-0778		**Door Plates And Pulls** *(08 71 11)*		
08 71 11 00-0779		**Kick Plate** *(08 71 11 00-0778)* Note: Ives 8400.		
08 71 11 00-0780		**Aluminum Base Material Kick Plate** *(08 71 11 00-0779)*		
08 71 11 00-0781		**Satin Aluminum Finish, Aluminum Kick Plate** *(08 71 11 00-0780)* Note: US28		
08 71 11 00-0782	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.67	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0783	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.34	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0784	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.95	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0785	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.59	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0786	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.98	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0787	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.56	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0788	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.21	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0789	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.84	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0790	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.19	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0791	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.83	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0792	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.44	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0793	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.83	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0794	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.47	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0795	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.08	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0796	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.95	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0797	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.26	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0798	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.51	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0799	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.81	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0800	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.84	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0801	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.12	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0802	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	99.43	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0803	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.70	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0804	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.72	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0805	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.00	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0806	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	115.30	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0807	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.33	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0808	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	124.58	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0809	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.89	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0810	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.20	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0811	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.12	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0812	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.12	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0813	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.01	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0814	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.70	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0815	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.65	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0816	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.59	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0817	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.57	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0818	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.22	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0819	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.17	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0820	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	129.14	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0821	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.81	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0822	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	139.75	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0823	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	143.73	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0824	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.11	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0825	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.73	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0826	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.40	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0827	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.01	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0828	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	115.30	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0829	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.92	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0830	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	124.53	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0831	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	129.14	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0832	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	136.47	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0833	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	141.06	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0834	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	145.67	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0835	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	152.98	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0836	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	157.62	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0837	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	162.23	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0838	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.40	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0839	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.65	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0840	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	111.96	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0841	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.21	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0842	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.92	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0843	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.48	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0844	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.76	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0845	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	141.01	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0846	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.98	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0847	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.29	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0848	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	159.53	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0849	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	167.48	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0850	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	172.76	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0851	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	178.07	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0852	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.81	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0853	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.12	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0854	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.43	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0855	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.74	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0856	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.73	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0857	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	147.04	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0858	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.36	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0859	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	159.67	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0860	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	168.70	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0861	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	175.01	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0862	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	181.32	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0863	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	190.33	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0864	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	196.64	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0865	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	202.96	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0866	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.22	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0867	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.23	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0868	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.24	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0869	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	144.25	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0870	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.98	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0871	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	160.99	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0872	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	168.00	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0873	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	175.01	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0874	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	184.72	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0875	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	191.73	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0876	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	198.74	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0877	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	208.47	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0878	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	215.48	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0879	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	222.49	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0880	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.93	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0881	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	138.64	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0882	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	146.35	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0883	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.05	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0884	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	164.51	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0885	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	172.22	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0886	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	179.93	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0887	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	187.63	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0888	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	198.04	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0889	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	205.75	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0890	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	213.46	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0891	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	223.88	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0892	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	231.59	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0893	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	239.30	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0894	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	138.64	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0895	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	147.04	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0896	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	155.48	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0897	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	163.89	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0898	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	175.01	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0899	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.42	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0900	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	191.82	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0901	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	200.26	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0902	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	211.36	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0903	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	219.77	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0904	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	228.17	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0905	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	239.30	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0906	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	247.73	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0907	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	256.14	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-0908 Brass Base Material Kick Plate *(08 71 11 00-0779)*

08 71 11 00-0909 Bright/Satin Brass Finish, Brass Kick Plate *(08 71 11 00-0908)*
Note: US3/US4

08 71 11 00-0910	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	136.95	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0911	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	145.69	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0912	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	154.45	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0913	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	163.19	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0914	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	174.65	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0915	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	183.45	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0916	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	192.19	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0917	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	200.93	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0918	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	212.38	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0919	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	221.12	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0920	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	229.86	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0921	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	241.32	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0922	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	250.12	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0923	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	258.86	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0924	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	161.03	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0925	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	171.93	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0926	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	182.90	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0927	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	193.83	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0928	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	207.45	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0929	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	218.41	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0930	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	229.37	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0931	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	240.31	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0932	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	253.92	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0933	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	264.88	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0934	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	275.84	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0935	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	289.46	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0936	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	300.43	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0937	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	311.36	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0938	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	185.03	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0939	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	198.21	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0940	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	211.31	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0941	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	224.43	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0942	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	240.31	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0943	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	253.43	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0944	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	266.55	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0945	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	279.65	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0946	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	295.54	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0947	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	308.64	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0948	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	321.76	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0949	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	337.61	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0950	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	350.70	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0951	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	363.89	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0952	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	211.86	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0953	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	227.15	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0954	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	242.47	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0955	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	257.82	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0956	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	275.84	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0957	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	291.16	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0958	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	306.45	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0959	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	321.76	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0960	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	339.80	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0961	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	355.12	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0962	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	370.40	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0963	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	388.42	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0964	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	403.77	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0965	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	419.08	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0966	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	297.04	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0967	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	320.15	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0968	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	343.20	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0969	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	366.22	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0970	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	391.98	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0971	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	415.06	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0972	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	438.15	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0973	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	461.14	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0974	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	486.97	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0975	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	510.05	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0976	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	533.10	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0977	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	558.82	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0978	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	581.87	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0979	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	604.96	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0980	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	328.25	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0981	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	354.13	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0982	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	379.98	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0983	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	405.93	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0984	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	434.52	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0985	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	460.38	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0986	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	486.32	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0987	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	512.17	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0988	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	540.84	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0989	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	566.72	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0990	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	592.57	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0991	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	621.22	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0992	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	647.07	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0993	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	672.95	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0994	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	362.60	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0995	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	391.34	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0996	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	420.15	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0997	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	448.86	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0998	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	480.39	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0999	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	509.17	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1000	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	537.91	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1001	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	566.72	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1002	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	598.14	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1003	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	626.94	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1004	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	655.72	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1005	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	687.18	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1006	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	715.99	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1007	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	744.71	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1008	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	394.27	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1009	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	425.87	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1010	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	457.51	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1011	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	489.18	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1012	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	523.54	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1013	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	555.21	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1014	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	586.85	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1015	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	618.52	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1016	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	652.83	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1017	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	684.46	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1018	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	716.13	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1019	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	750.49	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1020	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	782.16	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1021	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	813.74	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1022	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	425.87	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1023	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	460.38	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1024	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	494.94	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1025	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	529.47	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1026	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	566.72	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1027	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	601.22	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1028	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	635.75	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1029	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	672.17	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1030	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	707.48	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1031	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	741.99	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1032	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	776.52	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1033	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	813.74	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1034	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	848.33	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1035	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	882.83	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1036		**Satin/Dark Bronze Finish, Brass Kick Plate** *(08 71 11 00-0908)*		
		Note: US10/US10B		
08 71 11 00-1037	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	148.71	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1038	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	158.49	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1039	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	168.35	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1040	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	178.12	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1041	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	190.71	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1042	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.51	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1043	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	210.35	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1044	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	220.15	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1045	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	232.63	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1046	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	242.50	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1047	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	252.30	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1048	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	264.85	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1049	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	274.66	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1050	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	284.49	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1051	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	175.69	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1052	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	187.99	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1053	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.23	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1054	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	212.50	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1055	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	227.49	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1056	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	239.79	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1057	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	252.03	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1058	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	264.30	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1059	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	279.31	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1060	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	291.58	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1061	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	303.81	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1062	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	318.87	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1063	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	331.10	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1064	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	343.37	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1065	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	202.69	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1066	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	217.43	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1067	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	232.13	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1068	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	246.87	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1069	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	264.30	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1070	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	279.06	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1071	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	293.80	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1072	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	308.50	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1073	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	325.95	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1074	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	340.65	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1075	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	355.36	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1076	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	372.82	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1077	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	387.58	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1078	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	402.29	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1079	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	232.39	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1080	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	249.59	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1081	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	266.76	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1082	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	283.93	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1083	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	303.81	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1084	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	321.02	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1085	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	338.19	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1086	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	355.36	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1087	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	375.28	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1088	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	392.45	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1089	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	409.63	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1090	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	429.53	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1091	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	446.76	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1092	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	463.93	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1093	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	326.44	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1094	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	352.19	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1095	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	377.92	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1096	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	403.65	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1097	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	432.08	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1098	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	457.81	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1099	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	483.57	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1100	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	509.30	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1101	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	537.74	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1102	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	563.47	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1103	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	589.20	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1104	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	617.62	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1105	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	643.35	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1106	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	669.08	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1107	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	360.90	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1108	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	389.79	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1109	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	418.63	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1110	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	447.52	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1111	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	479.06	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1112	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	507.92	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1113	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	536.79	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1114	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	565.65	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1115	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	597.20	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1116	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	626.10	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1117	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	654.99	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1118	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	686.52	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1119	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	715.42	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1120	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	744.25	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1121	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	398.87	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1122	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	430.99	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1123	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	463.02	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1124	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	495.14	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1125	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	529.89	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1126	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	561.95	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1127	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	594.04	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1128	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	626.10	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1129	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	660.92	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1130	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	692.95	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1131	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	725.01	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1132	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	759.82	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1133	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	791.88	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1134	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	823.97	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1135	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	434.15	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1136	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	469.47	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1137	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	504.73	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1138	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	539.98	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1139	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	578.02	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1140	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	613.28	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1141	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	648.57	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1142	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	683.82	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1143	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	721.84	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1144	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	757.10	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1145	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	792.38	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1146	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	830.36	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1147	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	865.62	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1148	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	900.93	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1149	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	469.47	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1150	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	507.92	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1151	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	546.41	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1152	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	584.89	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1153	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	626.10	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1154		EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	664.58	12.21
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1155		EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	703.12	12.21
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1156		EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	741.55	12.21
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1157		EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	782.73	12.88
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1158		EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	821.25	12.88
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1159		EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	859.73	12.88
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1160		EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	900.93	13.57
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1161		EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	939.42	13.57
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1162		EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	977.90	13.57
			For Four Beveled Edges, Add	*6.30*	
			For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1163 Stainless Base Material Kick Plate *(08 71 11 00-0779)*

08 71 11 00-1164 Bright/Satin Chrome Finish, Stainless Kick Plate *(08 71 11 00-1163)*
Note: US26/US26D

08 71 11 00-1165		EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	147.07	10.18
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1166		EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	156.75	10.18
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1167		EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	166.42	10.18
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1168		EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	176.09	10.18
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1169		EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	188.49	10.85
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1170		EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	198.13	10.85
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1171		EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	207.81	10.85
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1172		EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	217.48	10.85
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1173		EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	229.86	11.53
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1174		EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	239.57	11.53
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1175		EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	249.24	11.53
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1176		EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	261.64	12.21
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1177		EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	271.31	12.21
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1178		EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	280.98	12.21
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1179		EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	173.68	10.18
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1180		EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	185.77	10.18
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1181		EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	197.85	10.18
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1182		EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	209.94	10.18
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1183		EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	224.77	10.85
			For Four Beveled Edges, Add	*1.76*	
			For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1184	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	236.86	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1185	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	248.94	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1186	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	261.03	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1187	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	275.82	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1188	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	287.91	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1189	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	299.99	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1190	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	314.80	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1191	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	326.88	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1192	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	338.97	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1193	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	200.26	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1194	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	214.76	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1195	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	229.32	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1196	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	243.81	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1197	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	261.03	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1198	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	275.55	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1199	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	290.05	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1200	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	304.54	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1201	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	321.75	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1202	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	336.25	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1203	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	350.77	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1204	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	367.99	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1205	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	382.54	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1206	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	397.04	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1207	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	229.56	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1208	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	246.53	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1209	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	263.47	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1210	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	280.37	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1211	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	299.99	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1212	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	316.93	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1213	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	333.83	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1214	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	350.77	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1215	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	370.46	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1216	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	387.37	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1217	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	404.27	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1218	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	393.39	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1219	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	440.81	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1220	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	457.75	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1221	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	327.10	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1222	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	352.91	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1223	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	378.70	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1224	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	404.49	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1225	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	432.98	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1226	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	458.77	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1227	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	484.59	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1228	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	510.38	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1229	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	538.88	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1230	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	564.67	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1231	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	590.46	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1232	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	618.94	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1233	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	644.73	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1234	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	670.52	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1235	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	361.64	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1236	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	390.60	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1237	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	419.50	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1238	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	448.46	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1239	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	480.07	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1240	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	509.00	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1241	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	537.93	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1242	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	566.86	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1243	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	598.48	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1244	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	627.44	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1245	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	656.40	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1246	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	688.00	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1247	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	716.96	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1248	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	745.86	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1249	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	399.69	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1250	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	431.89	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1251	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	463.99	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1252	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	496.18	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1253	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	531.01	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1254	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	563.14	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1255	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	595.31	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1256	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	627.44	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1257	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	662.34	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1258	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	694.44	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1259	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	726.58	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1260	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	761.46	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1261	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	793.60	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1262	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	825.76	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1263	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	435.06	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1264	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	470.46	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1265	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	505.80	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1266	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	541.14	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1267	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	579.26	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1268	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	614.59	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1269	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	649.96	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1270	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	685.30	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1271	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	723.40	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1272	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	758.74	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1273	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	794.11	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1274	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	832.17	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1275	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	867.51	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1276	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	902.91	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1277	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	470.46	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1278	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	509.00	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1279	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	547.58	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1280	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	586.15	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1281	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	627.44	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1282	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	666.02	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1283	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	704.65	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1284	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	743.16	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1285	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	784.44	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1286	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	823.04	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1287	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	861.61	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1288	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	902.91	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1289	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	941.48	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1290	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	980.05	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1291 Satin Stainless Finish, Stainless Kick Plate *(08 71 11 00-1163)*

Note: US32D

08 71 11 00-1292	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.80	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1293	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.85	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1294	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.81	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1295	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.90	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1296	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.61	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1297	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.57	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1298	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.65	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1299	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.64	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1300	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.37	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1301	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.39	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1302	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.38	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1303	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	115.12	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1304	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.15	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1305	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.14	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1306	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.09	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1307	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.89	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1308	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.66	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1309	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.39	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1310	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.91	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1311	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.68	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1312	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.42	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1313	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.16	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1314	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.70	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1315	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.44	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1316	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	125.18	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1317	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.70	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1318	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.47	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1319	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	139.20	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1320	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.40	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1321	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.92	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1322	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.44	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1323	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.95	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1324	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.16	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1325	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	115.71	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1326	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.19	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1327	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	124.74	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1328	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.94	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1329	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	136.48	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1330	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	141.03	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1331	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.24	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1332	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	152.78	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1333	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.27	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1334	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.41	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1335	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.67	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1336	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.97	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1337	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.23	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1338	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	125.18	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1339	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	130.47	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1340	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.74	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1341	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	141.03	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1342	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.05	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1343	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	154.25	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1344	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	159.54	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1345	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.54	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1346	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	172.80	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1347	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	178.10	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1348	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.03	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1349	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.76	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1350	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.22	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1351	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.65	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1352	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.80	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1353	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.26	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1354	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.72	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1355	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	162.15	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1356	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	171.30	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1357	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.79	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1358	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	184.25	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1359	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	193.92	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1360	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	199.81	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1361	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	206.27	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1362	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.39	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1363	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.51	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1364	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.57	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1365	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.66	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1366	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	152.49	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1367	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	159.55	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1368	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.64	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1369	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	173.69	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1370	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	183.53	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1371	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.62	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1372	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	197.68	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1373	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	207.50	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1374	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	214.62	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1375	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	221.68	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1376	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	132.78	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1377	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.64	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1378	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.54	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1379	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.38	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1380	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.99	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1381	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	174.89	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1382	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	182.73	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1383	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.62	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1384	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	201.19	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1385	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	209.09	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1386	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	216.98	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1387	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	227.54	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1388	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	235.44	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1389	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	243.30	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1390	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	141.42	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1391	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.12	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1392	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	158.74	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1393	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.44	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1394	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	178.78	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1395	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	187.48	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1396	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	196.13	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1397	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	204.80	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1398	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	216.15	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1399	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	224.82	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1400	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	233.52	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1401	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	244.86	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1402	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	253.56	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1403	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	262.18	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1404	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.12	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1405	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	159.55	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1406	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	169.03	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1407	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	178.45	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1408	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.62	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1409	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.08	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1410	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	209.53	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1411	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	218.98	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1412	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	231.13	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1413	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	240.58	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1414	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	250.04	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1415	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	262.18	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1416	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	271.66	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1417	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	281.14	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1418 Bright Stainless Finish, Stainless Kick Plate *(08 71 11 00-1163)*

Note: US32

08 71 11 00-1419	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	118.63	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1420	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	125.75	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1421	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.81	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1422	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.90	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1423	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	149.68	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1424	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	156.80	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1425	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.85	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1426	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	170.97	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1427	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	180.71	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1428	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	187.83	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1429	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.95	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1430	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.73	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1431	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	211.82	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1432	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.87	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1433	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.13	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1434	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	146.96	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1435	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.85	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1436	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	164.71	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1437	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	176.26	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1438	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	185.12	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1439	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.01	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1440	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	202.87	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1441	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	214.41	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1442	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	223.27	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1443	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	232.16	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1444	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.68	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1445	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	252.57	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1446	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	261.43	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1447	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.59	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1448	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	168.25	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1449	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	178.89	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1450	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.52	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1451	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	202.87	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1452	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.44	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1453	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.11	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1454	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	234.74	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1455	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	248.08	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1456	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	258.71	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1457	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	269.32	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1458	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.70	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1459	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	293.30	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1460	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	303.94	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1461	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.83	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1462	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	192.24	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1463	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.64	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1464	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	217.05	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1465	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	232.16	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1466	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	244.54	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1467	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	256.94	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1468	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	269.32	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1469	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	284.47	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1470	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	296.88	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1471	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	309.28	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1472	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	324.39	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1473	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	336.73	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1474	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	349.14	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1475	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	199.30	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1476	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.44	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1477	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.68	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1478	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	241.83	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1479	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	258.71	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1480	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	272.89	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1481	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	287.04	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1482	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	301.22	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1483	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	318.11	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1484	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	332.26	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1485	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	346.44	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1486	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	363.31	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1487	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	377.52	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1488	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	391.70	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1489	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	220.87	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1490	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	237.06	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1491	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	253.13	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1492	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	269.33	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1493	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	288.17	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1494	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	304.24	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1495	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	320.43	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1496	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	345.73	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1497	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	355.42	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1498	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	371.55	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1499	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	387.68	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1500	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	406.52	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1501	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	422.65	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1502	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	438.78	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1503	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.35	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1504	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	261.25	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1505	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	279.19	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1506	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	297.09	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1507	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	317.75	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1508	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	335.71	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1509	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	353.59	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1510	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	371.55	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1511	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	392.13	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1512	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	410.09	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1513	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	428.03	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1514	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	448.65	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1515	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	466.59	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1516	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	484.49	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1517	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	263.05	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1518	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.76	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1519	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	302.47	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1520	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	322.18	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1521	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	344.63	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1522	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	364.37	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1523	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	384.11	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1524	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	403.82	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1525	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	426.22	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1526	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	445.93	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1527	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	465.64	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1528	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	488.07	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1529	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	507.83	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1530	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	527.54	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1531	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.76	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1532	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	304.24	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1533	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	325.78	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1534	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	347.29	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1535	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	371.55	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1536	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	393.03	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1537	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	414.54	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1538	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	436.08	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1539	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	460.29	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1540	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	481.77	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1541	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	503.31	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1542	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	527.54	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1543	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	549.08	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1544	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	570.56	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1545		Satin Nickel Finish, Stainless Kick Plate *(08 71 11 00-1163)*		
		Note: US15		
08 71 11 00-1546	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	151.02	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1547	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	161.00	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1548	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	171.08	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1549	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	181.06	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1550	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	193.86	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1551	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	203.87	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1552	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	213.91	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1553	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	223.93	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1554	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	236.62	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1555	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	246.70	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1556	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	256.71	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1557	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	269.47	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1558	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	279.49	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1559	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	289.53	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1560	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	178.57	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1561	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	191.14	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1562	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, StainlessKick Plate	203.64	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1563	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	216.17	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1564	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	231.42	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1565	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	243.99	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1566	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	256.49	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1567	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	269.02	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1568	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	284.29	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1569	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	296.82	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1570	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	309.32	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1571	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	324.64	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1572	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	337.14	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1573	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	349.67	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1574	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	206.16	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1575	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	221.21	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1576	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	236.23	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1577	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	251.28	10.18
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1578	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	269.02	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1579	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	284.10	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1580	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	299.15	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1581	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	314.17	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1582	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	331.93	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1583	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	346.95	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1584	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	361.97	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1585	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	379.74	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1586	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	394.83	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1587	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	409.85	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1588	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	236.43	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1589	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	254.00	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1590	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	271.54	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1591	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	289.08	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1592	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	309.32	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1593	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	326.89	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1594	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	344.43	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1595	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	361.97	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1596	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	382.26	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1597	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	399.80	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1598	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	417.34	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1599	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	437.61	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1600	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	455.21	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1601	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	472.75	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1602	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	332.49	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1603	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	358.80	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1604	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	385.07	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1605	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	411.35	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1606	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	440.34	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1607	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	466.61	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1608	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	492.92	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1609	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	519.20	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1610	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	548.20	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1611	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	574.47	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1612	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	600.75	12.21
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1613	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	629.73	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1614	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	656.00	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1615	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	682.28	12.88
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1616	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	367.69	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1617	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	397.20	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1618	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	426.65	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1619	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	456.16	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1620	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	488.32	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1621	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	517.80	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1622	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	547.28	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1623	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	576.76	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1624	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	608.93	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1625	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	638.44	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1626	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	667.95	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1627	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	700.10	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1628	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	729.61	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1629	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	759.06	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1630	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	406.41	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1631	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	439.22	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1632	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	471.93	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1633	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	504.74	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1634	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	540.17	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1635	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	572.92	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1636	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	605.69	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1637	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	638.44	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1638	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	673.95	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1639	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	706.66	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1640	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	739.41	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1641	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	774.90	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1642	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	807.65	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1643	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	840.42	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1644	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	442.45	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1645	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	478.52	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1646	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	514.53	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1647	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	550.54	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1648	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	589.34	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1649	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	625.35	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1650	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	661.39	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1651	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	697.40	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1652	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	736.17	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1653	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	772.18	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1654	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	808.22	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1655	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	846.95	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1656	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	882.96	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1657	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	919.04	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1658	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	478.52	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1659	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	517.80	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1660	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	557.11	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1661	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	596.41	11.53
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1662	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	638.44	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1663	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	677.75	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1664	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	717.11	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1665	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	756.36	12.21
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1666	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	798.37	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1667	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	837.70	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1668	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	877.01	12.88
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1669	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	919.04	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1670	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	958.34	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1671	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	997.65	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1672 Plastic Kick Plate *(08 71 11 00-0779)*

08 71 11 00-1673 Clear Or Black Finish, Plastic Kick Plate *(08 71 11 00-1672)*

Note: With four beveled edges.

08 71 11 00-1674	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.21	10.18
08 71 11 00-1675	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.40	10.18
08 71 11 00-1676	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.67	10.18
08 71 11 00-1677	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.89	10.18
08 71 11 00-1678	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.86	10.85
08 71 11 00-1679	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.08	10.85
08 71 11 00-1680	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.27	10.85
08 71 11 00-1681	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.54	10.85
08 71 11 00-1682	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.18	11.53
08 71 11 00-1683	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.66	11.53
08 71 11 00-1684	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.93	11.53
08 71 11 00-1685	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.87	12.21
08 71 11 00-1686	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.12	12.21
08 71 11 00-1687	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.34	12.21
08 71 11 00-1688	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.32	10.18
08 71 11 00-1689	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.14	10.18
08 71 11 00-1690	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.90	10.18
08 71 11 00-1691	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.66	10.18
08 71 11 00-1692	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.19	10.85
08 71 11 00-1693	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.95	10.85
08 71 11 00-1694	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.77	10.85
08 71 11 00-1695	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.53	10.85
08 71 11 00-1696	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.05	11.53
08 71 11 00-1697	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.81	11.53
08 71 11 00-1698	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.62	11.53
08 71 11 00-1699	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.11	12.21
08 71 11 00-1700	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.92	12.21
08 71 11 00-1701	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.68	12.21
08 71 11 00-1702	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.47	10.18
08 71 11 00-1703	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.82	10.18
08 71 11 00-1704	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	84.12	10.18
08 71 11 00-1705	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.50	10.18
08 71 11 00-1706	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.53	10.85
08 71 11 00-1707	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.91	10.85
08 71 11 00-1708	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.26	10.85
08 71 11 00-1709	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.59	10.85
08 71 11 00-1710	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.60	11.53
08 71 11 00-1711	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.96	11.53
08 71 11 00-1712	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.34	11.53
08 71 11 00-1713	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.36	12.21
08 71 11 00-1714	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.75	12.21
08 71 11 00-1715	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.05	12.21
08 71 11 00-1716	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.30	10.85
08 71 11 00-1717	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.22	10.85
08 71 11 00-1718	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.09	10.85
08 71 11 00-1719	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.02	10.85
08 71 11 00-1720	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.62	11.53
08 71 11 00-1721	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	108.49	11.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1722	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.42	11.53
08 71 11 00-1723	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.34	11.53
08 71 11 00-1724	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.93	12.21
08 71 11 00-1725	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	126.86	12.21
08 71 11 00-1726	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.75	12.21
08 71 11 00-1727	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.32	12.88
08 71 11 00-1728	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	141.25	12.88
08 71 11 00-1729	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.12	12.88
08 71 11 00-1730	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.78	10.85
08 71 11 00-1731	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.92	10.85
08 71 11 00-1732	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.98	10.85
08 71 11 00-1733	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.12	10.85
08 71 11 00-1734	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.97	11.53
08 71 11 00-1735	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	128.09	11.53
08 71 11 00-1736	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	133.23	11.53
08 71 11 00-1737	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.32	11.53
08 71 11 00-1738	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	146.18	12.21
08 71 11 00-1739	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.29	12.21
08 71 11 00-1740	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	156.43	12.21
08 71 11 00-1741	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.27	12.88
08 71 11 00-1742	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	169.33	12.88
08 71 11 00-1743	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	174.48	12.88
08 71 11 00-1744	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.79	10.85
08 71 11 00-1745	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.58	10.85
08 71 11 00-1746	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.31	10.85
08 71 11 00-1747	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.10	10.85
08 71 11 00-1748	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	260.49	11.53
08 71 11 00-1749	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.32	11.53
08 71 11 00-1750	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.11	11.53
08 71 11 00-1751	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	149.84	11.53
08 71 11 00-1752	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	158.35	12.21
08 71 11 00-1753	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.12	12.21
08 71 11 00-1754	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	169.86	12.21
08 71 11 00-1755	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.35	12.88
08 71 11 00-1756	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	184.08	12.88
08 71 11 00-1757	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	189.87	12.88
08 71 11 00-1758	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.56	11.53
08 71 11 00-1759	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.97	11.53
08 71 11 00-1760	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.36	11.53
08 71 11 00-1761	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	135.77	11.53
08 71 11 00-1762	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.91	12.21
08 71 11 00-1763	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.29	12.21
08 71 11 00-1764	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.70	12.21
08 71 11 00-1765	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.12	12.21
08 71 11 00-1766	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	173.20	12.88
08 71 11 00-1767	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	179.62	12.88
08 71 11 00-1768	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	186.00	12.88
08 71 11 00-1769	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	195.14	13.57
08 71 11 00-1770	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	201.55	13.57
08 71 11 00-1771	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	207.94	13.57
08 71 11 00-1772	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.62	11.53
08 71 11 00-1773	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.63	11.53
08 71 11 00-1774	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.69	11.53
08 71 11 00-1775	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.70	11.53
08 71 11 00-1776	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	154.51	12.21
08 71 11 00-1777	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	161.57	12.21
08 71 11 00-1778	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	168.58	12.21
08 71 11 00-1779	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	175.65	12.21
08 71 11 00-1780	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	185.35	12.88
08 71 11 00-1781	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	192.42	12.88
08 71 11 00-1782	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	199.48	12.88
08 71 11 00-1783	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	209.21	13.57
08 71 11 00-1784	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	216.27	13.57
08 71 11 00-1785	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	223.28	13.57
08 71 11 00-1786	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.63	11.53
08 71 11 00-1787	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.32	11.53
08 71 11 00-1788	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	146.03	11.53
08 71 11 00-1789	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	153.71	11.53
08 71 11 00-1790	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.12	12.21
08 71 11 00-1791	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	171.78	12.21
08 71 11 00-1792	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	179.46	12.21
08 71 11 00-1793	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	187.17	12.21
08 71 11 00-1794	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	197.56	12.88
08 71 11 00-1795	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	205.22	12.88
08 71 11 00-1796	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	212.90	12.88
08 71 11 00-1797	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	223.28	13.57
08 71 11 00-1798	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	231.02	13.57
08 71 11 00-1799	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	238.70	13.57

08 71 11 00-1800 Mop Plate *(08 71 11 00-0778)*
Note: Ives 8400. See CSI section 08 71 11 00-0778 for 8" High Plates.

08 71 11 00-1801 Aluminum Base Material Mop Plate *(08 71 11 00-1800)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1802		Satin Aluminum Finish, Aluminum Mop Plate *(08 71 11 00-1801)* Note: US28		
08 71 11 00-1803	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	56.76	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1804	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	58.36	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1805	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	59.89	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1806	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	61.49	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1807	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	64.72	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1808	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	66.25	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1809	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	67.85	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1810	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	69.39	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1811	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	73.29	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1812	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	74.86	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1813	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	76.43	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1814	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	80.70	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1815	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	82.30	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1816	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	83.84	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1817	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	65.41	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1818	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	67.76	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1819	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	70.14	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1820	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	72.49	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1821	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	76.50	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1822	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	78.82	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1823	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	81.23	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1824	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	83.54	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1825	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	88.23	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1826	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	90.58	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1827	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	92.96	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1828	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	98.02	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1829	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	100.40	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1830	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	102.72	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1831		Brass Base Material Mop Plate *(08 71 11 00-1800)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1832		**Bright/Satin Brass Finish, Brass Mop Plate** *(08 71 11 00-1831)* Note: US3/US4		
08 71 11 00-1833	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	90.31	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1834	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	94.99	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1835	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	99.60	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1836	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	104.24	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1837	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	110.48	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1838	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	115.09	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1839	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	119.73	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1840	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	124.34	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1841	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	131.30	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1842	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	135.91	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1843	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	140.52	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1844	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	147.87	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1845	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	152.48	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1846	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	157.15	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1847	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	115.80	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1848	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	122.71	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1849	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	129.66	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1850	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	136.58	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1851	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	145.16	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1852	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	152.13	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1853	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	159.02	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1854	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	166.00	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1855	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	175.19	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1856	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	182.17	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1857	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	189.12	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1858	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	198.75	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1859	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	205.69	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1860	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	212.61	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1861		Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 11 00-1831)* Note: US10/US10B		
08 71 11 00-1862	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	96.32	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1863	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	101.47	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1864	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	106.65	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1865	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	111.81	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1866	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	118.62	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1867	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	123.80	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1868	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	128.98	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1869	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	134.16	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1870	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	141.60	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1871	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	146.78	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1872	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	151.96	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1873	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	159.85	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1874	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	165.03	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1875	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	170.16	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1876	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	124.73	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1877	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	132.53	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1878	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	140.28	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1879	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	163.11	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1880	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	157.39	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1881	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	165.14	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1882	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	172.88	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1883	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	180.62	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1884	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	190.73	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1885	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	198.48	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1886	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	206.22	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1887	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	216.67	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1888	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	224.42	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1889	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	232.16	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1890		Stainless Base Material Mop Plate *(08 71 11 00-1800)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1891		Bright/Satin Chrome Finish, Stainless Mop Plate *(08 71 11 00-1890)*		
		Note: US26/US26D		
08 71 11 00-1892	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	95.42	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1893	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	100.48	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1894	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	105.57	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1895	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	110.66	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1896	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	117.35	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1897	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	122.44	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1898	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	127.53	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1899	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	132.59	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1900	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	140.00	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1901	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	145.12	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1902	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	150.21	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1903	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	158.01	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1904	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	163.07	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1905	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	168.16	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1906	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	123.37	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1907	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	130.96	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1908	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	138.62	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1909	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	146.27	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1910	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	155.49	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1911	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	163.14	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1912	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	170.74	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1913	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	178.39	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1914	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	188.35	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1915	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	195.94	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1916	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	203.59	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1917	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	213.90	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1918	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	221.55	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1919	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	229.17	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1920		Satin Stainless Finish, Stainless Mop Plate *(08 71 11 00-1890)* Note: US32D		
08 71 11 00-1921	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	58.28	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1922	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	59.94	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1923	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	61.67	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1924	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	63.36	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1925	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	66.71	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1926	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	68.44	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1927	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	70.10	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1928	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	71.82	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1929	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	75.83	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1930	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	77.55	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1931	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	79.28	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1932	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	83.65	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1933	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	85.37	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1934	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	87.07	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1935	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	67.61	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1936	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	70.19	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1937	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	72.75	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1938	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	75.34	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1939	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	79.49	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1940	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	82.05	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1941	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	84.63	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1942	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	87.19	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1943	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	92.08	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1944	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	94.61	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1945	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	97.16	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1946	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	102.46	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1947	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	104.98	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1948	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	107.57	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1949		Bright Stainless Finish, Stainless Mop Plate *(08 71 11 00-1890)* Note: US32		
08 71 11 00-1950	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	80.70	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1951	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	84.47	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1952	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	88.24	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1953	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	91.95	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1954	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	97.35	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1955	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	101.10	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1956	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	104.87	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1957	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	108.64	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1958	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	114.66	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1959	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	118.43	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1960	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	122.20	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1961	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	128.65	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1962	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	132.42	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1963	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	136.13	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1964	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	101.32	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1965	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	107.01	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1966	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	112.63	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1967	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	118.26	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1968	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	125.48	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1969	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	131.11	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1970	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	136.73	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1971	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	142.36	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1972	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	150.32	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1973	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	155.95	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1974	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	161.58	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1975	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	169.91	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1976	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	175.51	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1977	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	181.13	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1978		Satin Nickel Finish, Stainless Mop Plate *(08 71 11 00-1890)* Note: US15		
08 71 11 00-1979	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	97.35	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1980	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	102.55	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1981	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	107.85	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1982	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	113.12	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1983	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	120.01	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1984	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	125.25	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1985	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	130.52	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1986	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	135.78	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1987	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	143.39	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1988	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	148.63	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1989	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	153.86	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1990	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	161.87	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1991	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	167.14	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1992	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	172.34	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1993	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	126.27	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1994	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	134.15	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1995	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	142.04	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1996	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	149.92	9.91
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1997	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	159.44	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1998	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	167.32	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1999	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	175.21	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2000	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	183.13	10.31
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2001	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	193.32	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2002	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	201.24	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2003	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	209.12	10.85
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2004	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	219.72	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2005	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	227.60	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2006	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	235.52	11.53
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2007		Plastic Mop Plate *(08 71 11 00-1800)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2008		**Clear Or Black Finish, Plastic Mop Plate** *(08 71 11 00-2007)*		
		Note: With four beveled edges.		
08 71 11 00-2009	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	55.10	9.91
		Note: 4 sides beveled.		
08 71 11 00-2010	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	56.52	9.91
		Note: 4 sides beveled.		
08 71 11 00-2011	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	57.96	9.91
		Note: 4 sides beveled.		
08 71 11 00-2012	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	59.38	9.91
		Note: 4 sides beveled.		
08 71 11 00-2013	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	62.42	10.31
		Note: 4 sides beveled.		
08 71 11 00-2014	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	63.84	10.31
		Note: 4 sides beveled.		
08 71 11 00-2015	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	65.25	10.31
		Note: 4 sides beveled.		
08 71 11 00-2016	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	66.70	10.31
		Note: 4 sides beveled.		
08 71 11 00-2017	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	70.42	10.85
		Note: 4 sides beveled.		
08 71 11 00-2018	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	71.84	10.85
		Note: 4 sides beveled.		
08 71 11 00-2019	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	73.25	10.85
		Note: 4 sides beveled.		
08 71 11 00-2020	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	77.38	11.53
		Note: 4 sides beveled.		
08 71 11 00-2021	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	78.83	11.53
		Note: 4 sides beveled.		
08 71 11 00-2022	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	80.24	11.53
		Note: 4 sides beveled.		
08 71 11 00-2023	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	62.92	9.91
		Note: 4 sides beveled.		
08 71 11 00-2024	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	65.07	9.91
		Note: 4 sides beveled.		
08 71 11 00-2025	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	67.19	9.91
		Note: 4 sides beveled.		
08 71 11 00-2026	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	69.31	9.91
		Note: 4 sides beveled.		
08 71 11 00-2027	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	73.10	10.31
		Note: 4 sides beveled.		
08 71 11 00-2028	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	75.22	10.31
		Note: 4 sides beveled.		
08 71 11 00-2029	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	77.34	10.31
		Note: 4 sides beveled.		
08 71 11 00-2030	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	79.47	10.31
		Note: 4 sides beveled.		
08 71 11 00-2031	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	83.93	10.85
		Note: 4 sides beveled.		
08 71 11 00-2032	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	86.05	10.85
		Note: 4 sides beveled.		
08 71 11 00-2033	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	88.18	10.85
		Note: 4 sides beveled.		
08 71 11 00-2034	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	93.04	11.53
		Note: 4 sides beveled.		
08 71 11 00-2035	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	95.16	11.53
		Note: 4 sides beveled.		
08 71 11 00-2036	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	97.29	11.53
		Note: 4 sides beveled.		
08 71 11 00-2037		**Armor Door Plate** *(08 71 11 00-0778)*		
		Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2038	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	32.02	1.70
08 71 11 00-2039	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	30.53	1.33
08 71 11 00-2040	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	35.14	1.70
08 71 11 00-2041	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	33.65	1.33
08 71 11 00-2042	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	71.32	1.70
08 71 11 00-2043	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	69.83	1.33
08 71 11 00-2044		**Pull Handle And Plates** *(08 71 11 00-0778)*		
08 71 11 00-2045		**Pull Handle** *(08 71 11 00-2044)*		
08 71 11 00-2046	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)	70.22	11.19
		For Stainless Steel, Add	*10.69*	
		For Brass, Add	*14.51*	
08 71 11 00-2047	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)	73.52	11.19
		For Stainless Steel, Add	*12.08*	
		For Brass, Add	*16.39*	
08 71 11 00-2048	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)	78.73	11.19
		For Stainless Steel, Add	*14.27*	
		For Brass, Add	*19.36*	
08 71 11 00-2049	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)	81.62	11.19
		For Stainless Steel, Add	*15.48*	
		For Brass, Add	*21.01*	
08 71 11 00-2050	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)	86.85	11.19
		For Stainless Steel, Add	*17.68*	
		For Brass, Add	*23.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2051	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)	93.61	11.19
		For Stainless Steel, Add	*20.52*	
		For Brass, Add	*27.84*	
08 71 11 00-2052	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)	73.77	11.19
		For Stainless Steel, Add	*12.18*	
		For Brass, Add	*16.54*	
08 71 11 00-2053	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)	80.98	11.19
		For Stainless Steel, Add	*15.21*	
		For Brass, Add	*20.65*	
08 71 11 00-2054	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)	82.16	11.19
		For Stainless Steel, Add	*15.71*	
		For Brass, Add	*21.32*	
08 71 11 00-2055	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	154.96	11.19
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*20.83*	
		For Brass, Add	*19.17*	
08 71 11 00-2056	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	159.42	11.19
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*21.67*	
		For Brass, Add	*19.95*	
08 71 11 00-2057	EA	1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	168.39	11.19
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*23.37*	
		For Brass, Add	*21.51*	
08 71 11 00-2058	EA	1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	220.30	11.19
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*33.18*	
		For Brass, Add	*30.54*	

08 71 11 00-2059 Pull Plate *(08 71 11 00-2044)*

08 71 11 00-2060	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	106.47	8.48
		For Stainless Steel, Add	*42.81*	
		For Brass, Add	*54.42*	
08 71 11 00-2061	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	114.74	8.48
		For Stainless Steel, Add	*47.69*	
		For Brass, Add	*60.62*	
08 71 11 00-2062	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	108.99	8.48
		For Stainless Steel, Add	*44.30*	
		For Brass, Add	*56.31*	

08 71 11 00-2063 Push Bars And Plates *(08 71 11 00-0778)*

08 71 11 00-2064 Push Bars *(08 71 11 00-2063)*

08 71 11 00-2065	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate Note: Up to 34" wide. All finishes.	316.30	8.48
08 71 11 00-2066	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	279.62	8.48
		For Brass Push Bar, Add	*42.75*	
08 71 11 00-2067	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	289.93	8.48
		For Brass Push Bar, Add	*44.55*	
08 71 11 00-2068	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	545.95	8.48
		For Brass Push Bar, Add	*89.09*	

08 71 11 00-2069 Push Plates *(08 71 11 00-2063)*

08 71 11 00-2070 Aluminum Push Plates *(08 71 11 00-2069)*

08 71 11 00-2071 Clear Anodized Finish, Aluminum Push Plates *(08 71 11 00-2070)*

Note: Ives 8200 Series.

08 71 11 00-2072	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	52.14	8.48
08 71 11 00-2073	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	52.14	8.48
08 71 11 00-2074	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	52.14	8.48
08 71 11 00-2075	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	56.75	8.48

08 71 11 00-2076 Stainless Steel Push Plates *(08 71 11 00-2069)*

08 71 11 00-2077 Satin Finish, Stainless Steel Push Plates *(08 71 11 00-2076)*

Note: Ives 8200 Series.

08 71 11 00-2078	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	52.14	8.48
08 71 11 00-2079	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	55.69	8.48
08 71 11 00-2080	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	63.79	8.48
08 71 11 00-2081	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	75.77	8.48

08 71 11 00-2082 Brass Push Plates *(08 71 11 00-2069)*

08 71 11 00-2083 Bright/Satin Brass Finish, Brass Push Plates *(08 71 11 00-2082)*

Note: Ives 8200 Series.

08 71 11 00-2084	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	62.97	8.48
08 71 11 00-2085	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	72.07	8.48
08 71 11 00-2086	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	94.00	8.48
08 71 11 00-2087	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	108.41	8.48

08 71 11 00-2088 Bright/Satin Chrome Finish, Brass Push Plates *(08 71 11 00-2082)*

Note: Ives 8200 Series.

08 71 11 00-2089	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	70.25	8.48
08 71 11 00-2090	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	77.65	8.48
08 71 11 00-2091	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	97.73	8.48
08 71 11 00-2092	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	117.54	8.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2093		**Satin/Dark Bronze Finish, Brass Push Plates** *(08 71 11 00-2082)*		
		Note: Ives 8200 Series.		
08 71 11 00-2094	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	70.25	8.48
08 71 11 00-2095	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	77.65	8.48
08 71 11 00-2096	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	101.28	8.48
08 71 11 00-2097	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	119.51	8.48
08 71 11 00-2098		**Satin Nickel Finish, Brass Push Plates** *(08 71 11 00-2082)*		
		Note: Ives 8200 Series.		
08 71 11 00-2099	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	70.25	8.48
08 71 11 00-2100	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	79.50	8.48
08 71 11 00-2101	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	106.89	8.48
08 71 11 00-2102	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	125.12	8.48
08 71 11 00-2103		**Exit Devices** *(08 71 11)*		
08 71 11 00-2104		**Push Bar Exit Device, Von Duprin Series 22** *(08 71 11 00-2103)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2105	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22)	858.52	152.60
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2106	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F)	947.87	152.60
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2107	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227)	1,229.14	183.13
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2108	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F)	1,451.69	169.56
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2109	EA	Dummy Trim (Von Duprin Series 22, 210DT)	118.31	25.43
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2110	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)	246.90	33.91
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2111	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K)	456.55	50.87
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2112	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L)	452.44	50.87
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2113	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP)	451.40	50.87
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2114	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE)	363.35	50.87
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2115	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO)	146.99	20.35
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2116	EA	Dummy Trim (Von Duprin Series 22, 230DT)	170.85	25.43
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2117	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)	301.50	33.91
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2118	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE)	359.24	50.87
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2119	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE)	358.20	50.87
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2120		**Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35** *(08 71 11 00-2103)*		
		Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2121	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35)	1,803.50	152.60
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*139.66*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*143.01*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*134.77*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*53.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*407.79*	
08 71 11 00-2122	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527)	2,452.25	183.13
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*196.39*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*201.11*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*189.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*74.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*573.46*	
08 71 11 00-2123	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F)	2,499.84	183.13
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*201.15*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*205.98*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*194.11*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*76.44*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*587.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2124	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547) Note: Aluminum anodized finish.	2,544.40	210.25
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*198.15*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*202.90*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*191.21*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*75.30*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*578.59*	
08 71 11 00-2125	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F) Note: Aluminum anodized finish.	2,667.14	210.25
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*210.42*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*215.47*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*203.06*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*79.96*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*614.43*	
08 71 11 00-2126	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548) Note: Aluminum anodized finish.	2,838.73	210.25
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*227.58*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*233.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*219.61*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*86.48*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*664.53*	
08 71 11 00-2127	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F) Note: Aluminum anodized finish.	2,961.47	210.25
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*239.85*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*245.61*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*231.46*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*91.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*700.37*	
08 71 11 00-2128	EA	Dummy Trim (Von Duprin Series 33/35, DT) Note: Anodized finish: aluminum or dark brown.	403.48	25.43
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*32.39*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.76*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*98.01*	
08 71 11 00-2129	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP) Note: Anodized finish: aluminum or dark brown.	456.39	33.91
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*34.88*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*105.54*	
08 71 11 00-2130	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL) Note: Anodized finish: aluminum or dark brown.	735.02	33.91
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.77*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*24.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*186.90*	
08 71 11 00-2131	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L) Note: Anodized finish: aluminum or dark brown.	752.60	50.87
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*59.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*23.44*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*180.15*	
08 71 11 00-2132	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE) Note: Anodized finish: aluminum or dark brown.	890.17	50.87
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*72.81*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.67*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*220.32*	
08 71 11 00-2133	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT) Note: Anodized finish: aluminum or dark brown.	872.82	50.87
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*71.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*215.25*	
08 71 11 00-2134	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T) Note: Anodized finish: aluminum or dark brown.	880.93	50.87
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*71.92*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*217.62*	

08 71 11 00-2135 Push Bar Exit Device, Von Duprin Series 98/99 *(08 71 11 00-2103)*

Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.

08 71 11 00-2136	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,660.98	152.60
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*76.50*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*121.64*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*194.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*397.53*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*125.40*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*184.34*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*125.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2137	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,880.34	152.60
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*89.88*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*142.92*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*228.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*467.06*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*147.34*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*216.59*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*147.34*	
08 71 11 00-2138	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,499.09	152.60
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*66.62*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*105.94*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*169.28*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*346.21*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*109.21*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*160.54*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*109.21*	
08 71 11 00-2139	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,666.00	152.60
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*76.80*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*122.13*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*195.15*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*399.12*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*125.91*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*185.08*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*125.91*	
08 71 11 00-2140	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,360.79	183.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*114.22*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*181.63*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*290.23*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*593.57*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*187.25*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*275.25*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*187.25*	
08 71 11 00-2141	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,658.11	183.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*132.36*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*210.47*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*336.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*687.82*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*216.98*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*318.96*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*216.98*	
08 71 11 00-2142	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,484.29	210.25
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*178.69*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*186.37*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*297.81*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*609.07*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*192.14*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*282.44*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*192.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2143	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,788.22	210.25
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*206.95*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*215.85*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*344.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*705.41*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*222.53*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*327.12*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*222.53*	
08 71 11 00-2144	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,794.82	210.25
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*207.56*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*216.49*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*345.94*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*707.51*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*223.19*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*328.09*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*223.19*	
08 71 11 00-2145	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,540.13	210.25
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*183.88*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*191.79*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*306.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*626.77*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*197.72*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*290.65*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*197.72*	
08 71 11 00-2146	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,233.09	210.25
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*155.32*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*162.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*258.87*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*529.44*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*167.02*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*245.51*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*167.02*	
08 71 11 00-2147	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,499.95	210.25
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*180.14*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*187.89*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*300.24*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*614.03*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*193.70*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*284.74*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*193.70*	
08 71 11 00-2148	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,399.58	183.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*116.59*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*185.39*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*296.24*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*605.87*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*191.13*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*280.95*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*191.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2149	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,553.10	183.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*125.95*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*200.28*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*320.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*654.53*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*206.48*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*303.52*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*206.48*	
08 71 11 00-2150	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,341.49	189.91
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*67.81*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*177.78*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*284.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*581.00*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*183.28*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*269.42*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*183.28*	
08 71 11 00-2151	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,564.80	189.91
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*76.08*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*199.44*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*318.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*651.79*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*205.61*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*302.25*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*205.61*	
08 71 11 00-2152	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,134.18	210.25
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*146.13*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*152.41*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*243.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*498.08*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*157.12*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*230.97*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*157.12*	
08 71 11 00-2153	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,307.27	210.25
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*162.22*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*169.20*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*270.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*552.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*174.43*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*256.42*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*174.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2154	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	2,313.45	210.25
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*162.80*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*169.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*271.33*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*554.91*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*175.05*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*257.32*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*175.05*	
08 71 11 00-2155	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	2,622.55	210.25
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*191.54*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*199.78*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*319.24*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*652.90*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*205.96*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*302.76*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*205.96*	
08 71 11 00-2156	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99)	3,650.13	176.34
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*492.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,006.59*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*317.54*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.12*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*132.73*	
		For Center Case Dogging (CD-CX), Add	*294.56*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*317.54*	
08 71 11 00-2157	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F)	3,869.49	176.34
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*526.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,076.13*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*339.47*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*126.28*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*141.90*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*339.47*	
08 71 11 00-2158	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	4,344.21	217.04
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*581.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,190.07*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*375.42*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*139.65*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*156.92*	
		For Center Case Dogging (CD-CX), Add	*294.56*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*375.42*	
08 71 11 00-2159	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F)	4,567.54	217.04
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*616.51*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,260.86*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*397.75*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*147.96*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*166.26*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*397.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2160	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,355.15	176.34
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*291.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*596.08*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*188.04*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*69.95*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*107.93*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*188.04*	
08 71 11 00-2161	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,574.51	176.34
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*325.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*665.62*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*209.98*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*78.11*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*120.53*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*209.98*	
08 71 11 00-2162	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	3,049.23	217.04
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*381.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*779.56*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*245.92*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*91.48*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*141.16*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*245.92*	
08 71 11 00-2163	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	3,272.54	217.04
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*415.78*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*850.35*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*268.25*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*99.79*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*153.97*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*268.25*	
08 71 11 00-2164	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO) Note: Satin chrome plated US26D (BHMA 626) finish.	194.68	20.35
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*4.21*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*6.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*23.87*	
08 71 11 00-2165	EA	Dummy Trim (Von Duprin Series 98/99, 990DT) Note: Satin chrome plated US26D (BHMA 626) finish.	286.24	25.43
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.55*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.83*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.13*	
08 71 11 00-2166	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL) Note: Satin chrome plated US26D (BHMA 626) finish.	422.19	33.91
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.82*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*55.63*	
08 71 11 00-2167	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL) Note: Satin chrome plated US26D (BHMA 626) finish.	328.98	33.91
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.02*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*10.53*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*39.78*	
08 71 11 00-2168	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish.	733.68	50.87
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*17.94*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*26.91*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*101.67*	
08 71 11 00-2169	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish.	640.47	50.87
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*15.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*22.72*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*85.82*	
08 71 11 00-2170	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE) Note: Satin chrome plated US26D (BHMA 626) finish.	640.47	50.87
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*15.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*22.72*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*85.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2171	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL)	622.24	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.60*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*82.72*	
08 71 11 00-2172	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL)	529.03	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*66.87*	
08 71 11 00-2173	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT))	529.03	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*66.87*	
08 71 11 00-2174	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K)	604.42	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.06*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*79.69*	
08 71 11 00-2175	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K)	511.21	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*63.85*	
08 71 11 00-2176	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)	511.21	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*63.85*	
08 71 11 00-2177	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL)	594.38	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*20.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*77.98*	
08 71 11 00-2178	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL)	501.18	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.97*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.14*	
08 71 11 00-2179	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)	501.18	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.97*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.14*	
08 71 11 00-2180	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	539.77	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*12.12*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*18.19*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*68.70*	
08 71 11 00-2181	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)	446.57	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.33*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.99*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*52.86*	
08 71 11 00-2182	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE)	446.57	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.33*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.99*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*52.86*	
08 71 11 00-2183	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	445.56	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.95*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*52.68*	

08 71 11 00-2184 Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 11 00-2103)*

08 71 11 00-2185	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	1,033.04	50.87
08 71 11 00-2186	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	883.70	50.87
		For Battery Backup (Includes Board And 2 Batteries), Add	*61.90*	
		For Fire Alarm Interface, Add	*30.95*	
		For 2 Relay Panic Device Control Board, Add	*71.80*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*84.18*	
		For 4 Relay Output Board, Add	*69.32*	
		For 4 Relay Logic Board, Add	*190.13*	
		For Fused 8 Zone Distribution Board, Add	*24.76*	
08 71 11 00-2187	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	678.86	50.87
08 71 11 00-2188	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)	430.04	50.87
		For Battery Backup (Includes Board And 2 Batteries), Add	*61.90*	
		For Fire Alarm Interface, Add	*30.95*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*84.18*	
		For 4 Relay Output Board, Add	*69.32*	
		For 4 Relay Logic Board, Add	*190.13*	
		For Fused 8 Zone Distribution Board, Add	*24.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2189	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)	690.55	50.87
		For Battery Backup (Includes Board And 2 Batteries), Add	*61.90*	
		For Fire Alarm Interface, Add	*30.95*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*84.18*	
		For 4 Relay Output Board, Add	*69.32*	
		For 4 Relay Logic Board, Add	*190.13*	
		For Fused 8 Zone Distribution Board, Add	*24.76*	
08 71 11 00-2190	EA	Request to Exit Push Pad Monitor Switch (RX)	246.55	33.91
08 71 11 00-2191	EA	EL Conversion Kit, Electric Latch Retraction (Von Duprin) Note: For Von Duprin Series 33A/35A/98/99 Exit Device	1,126.48	

08 71 11 00-2192 Removable Verticals, Mullions (Von Duprin) *(08 71 11 00-2103)*

08 71 11 00-2193	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72) Note: For use with Von Duprin Panic rim devices.	609.60	33.91
		For Owner Furnished Material, Deduct	*-473.95*	
08 71 11 00-2194	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82) Note: For use with Von Duprin Panic rim devices.	646.69	33.91
		For Owner Furnished Material, Deduct	*-511.04*	
08 71 11 00-2195	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) Note: For use with Von Duprin Panic rim devices.	1,046.77	33.91
		For Owner Furnished Material, Deduct	*-911.12*	
08 71 11 00-2196	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) Note: For use with Von Duprin Panic rim devices.	1,032.37	40.69
		For Owner Furnished Material, Deduct	*-869.59*	
08 71 11 00-2197	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices.	1,069.46	40.69
		For Owner Furnished Material, Deduct	*-906.68*	
08 71 11 00-2198	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices.	1,150.86	40.69
		For Owner Furnished Material, Deduct	*-988.08*	
08 71 11 00-2199	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73) Note: For use with Von Duprin Panic rim devices.	1,076.50	33.91
		For Owner Furnished Material, Deduct	*-940.85*	
08 71 11 00-2200	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83) Note: For use with Von Duprin Panic rim devices.	1,125.39	33.91
		For Owner Furnished Material, Deduct	*-989.74*	
08 71 11 00-2201	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103) Note: For use with Von Duprin Panic rim devices.	1,224.50	33.91
		For Owner Furnished Material, Deduct	*-1,088.85*	
08 71 11 00-2202	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75) Note: For use with Von Duprin Panic rim devices.	1,662.59	40.69
		For Owner Furnished Material, Deduct	*-1,499.81*	
08 71 11 00-2203	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85) Note: For use with Von Duprin Panic rim devices.	1,711.48	40.69
		For Owner Furnished Material, Deduct	*-1,548.70*	
08 71 11 00-2204	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105) Note: For use with Von Duprin Panic rim devices.	3,247.90	40.69
		For Owner Furnished Material, Deduct	*-3,085.12*	
08 71 11 00-2205	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices.	131.53	27.13
		For Owner Furnished Material, Deduct	*-77.27*	

08 71 11 00-2206 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 *(08 71 11 00-2103)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2207	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.	2,374.87	152.60
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*247.96*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*285.35*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*375.87*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*409.33*	
08 71 11 00-2208	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.	3,063.54	210.25
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*315.08*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*362.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*477.61*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*520.12*	
08 71 11 00-2209	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.	3,342.75	210.25
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*350.26*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*403.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*530.94*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*578.20*	
08 71 11 00-2210	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.	3,132.57	210.25
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*323.77*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*372.60*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*490.80*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*534.48*	
08 71 11 00-2211	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.	3,403.54	210.25
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*357.92*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*411.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*542.55*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*590.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2212	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile	2,385.91	189.91
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*236.53*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*272.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*358.55*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*390.47*	
08 71 11 00-2213	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated	2,568.28	189.91
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*259.51*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*298.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*393.39*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*428.40*	
08 71 11 00-2214	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55	406.80	25.43
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*42.71*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*49.15*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*64.75*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*70.51*	
08 71 11 00-2215	EA	Cylinder Assembly, Von Duprin Series 55	190.78	35.94
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*12.07*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*13.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*18.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*19.93*	
08 71 11 00-2216	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	676.54	35.94
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*73.28*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*84.33*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*111.08*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*120.97*	
08 71 11 00-2217	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	729.59	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*74.84*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*86.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*113.44*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*123.54*	
08 71 11 00-2218	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55	603.41	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*58.94*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*67.83*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*89.34*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*97.29*	
08 71 11 00-2219	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55	729.59	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*74.84*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*86.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*113.44*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*123.54*	
08 71 11 00-2220	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55	838.81	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*88.60*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*101.96*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*134.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*146.26*	

08 71 11 00-2221 Cross Bar Exit Device, Von Duprin Series 88 *(08 71 11 00-2103)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2222	EA	42" Crossbar, Rim Type, Exit Device	1,522.79	152.60
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*34.59*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*35.71*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*304.62*	
08 71 11 00-2223	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,769.04	152.60
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*42.22*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*43.59*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*371.85*	
08 71 11 00-2224	EA	42" Crossbar, Surface Vertical Rods, Exit Device	1,965.82	183.13
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*45.80*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*47.28*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*403.35*	
08 71 11 00-2225	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device	2,498.48	183.13
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*62.31*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*64.32*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*548.77*	
08 71 11 00-2226	EA	42" Crossbar, Concealed Vertical Rods, Exit Device	1,906.38	210.25
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*41.65*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*42.99*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*366.76*	
08 71 11 00-2227	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device	2,390.74	210.25
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*56.66*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*58.49*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*498.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2228	EA	42" Crossbar, Mortise Lock, Exit Device	2,033.54	189.91
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*47.27*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*48.80*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*416.29*	
08 71 11 00-2229	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device	2,159.25	189.91
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*51.17*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*52.82*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*450.61*	
08 71 11 00-2230	EA	Dummy Trim (Von Duprin Series 88, DT)	230.62	25.43
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*5.05*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*5.21*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*44.44*	
08 71 11 00-2231	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)	360.22	33.91
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*8.22*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*8.49*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*72.42*	
08 71 11 00-2232	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)	636.39	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*15.52*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*16.02*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*136.70*	
08 71 11 00-2233	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L)	595.17	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*14.25*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*14.70*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*125.45*	
08 71 11 00-2234	EA	Knob Trim With Cylinder (Von Duprin Series 88, K)	448.31	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*9.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.01*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*85.36*	
08 71 11 00-2235	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)	448.31	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*9.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.01*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*85.36*	

08 71 11 00-2236 Push Bar Exit Device, Narrow Stile, Adams Rite Series 8800 *(08 71 11 00-2103)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2237	EA	30" to 48" Push Bar Exit Device, Rim Type, Narrow Stile	1,260.97	152.60
		Note: Adams Rite 8800		
08 71 11 00-2238	EA	Clutch Lever Entry Trim, Adams Rite Model 3081	739.29	50.87
08 71 11 00-2239	EA	Clutch Lever Entry Trim, Adams Rite Model 3082 Or 3083	639.57	50.87
08 71 11 00-2240	EA	Thumbturn Trim, Adams Rite Model 8066	486.11	50.87
08 71 11 00-2241	EA	Mortise Cylinder, Adams Rite Model 4036-01	95.06	50.87
08 71 11 00-2242	EA	Rim Cylinder, Adams Rite Model 8736	104.70	50.87

08 71 11 00-2243 Push Bar Exit Device, Precision Hardware Apex 2000 Series *(08 71 11 00-2103)*

Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.

08 71 11 00-2244	EA	3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)	2,266.48	152.60
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-1,859.53*	
08 71 11 00-2245	EA	3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)	2,394.25	152.60
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-1,987.30*	
08 71 11 00-2246	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series)	3,112.85	183.13
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-2,624.52*	
08 71 11 00-2247	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)	3,240.62	183.13
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-2,752.29*	
08 71 11 00-2248	EA	Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)	276.20	20.35
		For Owner Furnished Material, Deduct	*-221.94*	
08 71 11 00-2249	EA	Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A)	742.02	25.43
		For Owner Furnished Material, Deduct	*-674.20*	
08 71 11 00-2250	EA	Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)	809.85	50.87
		For Owner Furnished Material, Deduct	*-674.20*	
08 71 11 00-2251	EA	Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A)	977.99	50.87
		For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2252	EA	Key Controls Lever, Lever/Knob Trim (Precision V4908A)	977.99	50.87
		For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2253	EA	Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)	977.99	50.87
		For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2254	EA	Exit Only, Cover Plate, Pull Trim (Precision 1701)	202.20	20.35
		For Owner Furnished Material, Deduct	*-147.94*	
08 71 11 00-2255	EA	Exit Only, Dummy Trim, Pull Trim (Precision 1702A)	434.35	25.43
		For Owner Furnished Material, Deduct	*-366.53*	
08 71 11 00-2256	EA	Key Retracts Latchbolt, Pull Trim (Precision 1703A)	461.49	33.91
		For Owner Furnished Material, Deduct	*-366.53*	
08 71 11 00-2257	EA	Key Controls Thumb Piece, Pull Trim (Precision 1705A)	650.12	50.87
		For Owner Furnished Material, Deduct	*-514.47*	
08 71 11 00-2258	EA	Thumb Piece Always Active, Pull Trim (Precision 1715A)	650.12	50.87
		For Owner Furnished Material, Deduct	*-514.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2259		**Door Closers** *(08 71 11)* Note: Includes standard cover and arm.		
08 71 11 00-2260	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	535.48	39.33
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2261	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4010/4020/4110 Series)	648.51	39.33
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2262	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4040XP/4041 Series)	666.48	39.33
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	
08 71 11 00-2263	EA	Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	688.97	39.33
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2264	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	450.83	39.33
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2265	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	454.61	39.33
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2266		**Concealed Door Closers** *(08 71 11)*		
08 71 11 00-2267	EA	Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28)	1,513.24	116.66
08 71 11 00-2268	EA	Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27)	1,619.17	116.66
08 71 11 00-2269	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	766.24	47.48
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2270	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	828.21	47.48
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2271		**Locks And Latches** *(08 71 11)* Note: All locksets are supplied with strike plate, knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
08 71 11 00-2272		**Locksmith Services** *(08 71 11 00-2271)*		
08 71 11 00-2273	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	2.18	
		For >50, Deduct	*-0.44*	
08 71 11 00-2274	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	162.84	
		For >5, Deduct	*-16.28*	
08 71 11 00-2275	EA	Removal And Replacement Of Cylinder With Owner Supplied Cylinder	162.84	
		For >5, Deduct	*-16.28*	
08 71 11 00-2276	EA	Removal And Replacement Of Cylinder With New Cylinder Note: Excludes core.	186.03	
		For >5, Deduct	*-16.28*	
08 71 11 00-2277	EA	Open Locked Doors	162.84	
08 71 11 00-2278	EA	Install Owner Furnished Cores And Cylinders	68.23	
08 71 11 00-2279		**Mortise Locksets And Latchsets** *(08 71 11 00-2271)* Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2280	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	884.63	33.91
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*24.72*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*22.47*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*37.45*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*264.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2281	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset	1,051.05	33.91
		Note: Locked with thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*30.21*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*27.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*45.77*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*323.14*	
08 71 11 00-2282	EA	Entrance/Office F04 Mortise Lockset	1,168.76	33.91
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*34.09*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.99*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.66*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*364.69*	
08 71 11 00-2283	EA	Classroom F05 Mortise Lockset	1,091.44	33.91
		Note: Locked with key outside. Inside always unlocked.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*31.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*28.67*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*47.79*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*337.39*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*81.32*	
08 71 11 00-2284	EA	Storeroom/Closet F07 Mortise Lockset	1,091.44	33.91
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*31.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*28.67*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*47.79*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*337.39*	
08 71 11 00-2285	EA	Entrance F08 Mortise Lockset	1,218.05	33.91
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*35.72*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*32.47*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*54.12*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*382.09*	
08 71 11 00-2286	EA	Dormitory/Exit F13 Mortise Lockset	1,049.89	33.91
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*30.17*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*27.43*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*45.71*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*322.73*	

08 71 11 00-2287 Locks And Latches *(08 71 11 00-2271)*

08 71 11 00-2288 Preassembled Locks And Latches *(08 71 11 00-2287)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 11 00-2289	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210)	1,979.58	33.91
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*56.34*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*93.89*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*662.88*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*349.28*	
		For Grade 2, Deduct	*-730.48*	
08 71 11 00-2290	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)	2,143.75	33.91
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*61.26*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*102.10*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*720.83*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*379.81*	
		For Grade 2, Deduct	*-794.34*	
08 71 11 00-2291	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)	2,438.12	33.91
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*70.09*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*116.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*824.74*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*434.57*	
		For Grade 2, Deduct	*-908.85*	
08 71 11 00-2292	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)	2,438.12	33.91
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*70.09*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*116.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*824.74*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*434.57*	
		For Grade 2, Deduct	*-908.85*	
08 71 11 00-2293	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)	2,438.12	33.91
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*70.09*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*116.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*824.74*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*434.57*	
		For Grade 2, Deduct	*-908.85*	

08 71 11 00-2294 Bored Locks And Latches *(08 71 11 00-2287)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.

08 71 11 00-2295	EA	Passage/Closet F75 Bored Latchset	323.06	33.91
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.62*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*9.37*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*66.16*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*34.86*	
		For Grade 2, Deduct	*-9.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.75*	
		For Interchangeable Core, Add	*9.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2296	EA	Bath/Bedroom Privacy F76 Bored Lockset Note: Locked with push button inside.	367.75	33.91
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*6.96*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*11.61*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*81.93*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*43.17*	
		For Grade 2, Deduct	*-11.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2297	EA	Entrance/Office F82 Bored Lockset Note: Locked with key outside and push button inside.	403.79	33.91
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2298	EA	Classroom F84 Bored Lockset Note: Locked with key outside. Inside always unlocked.	403.79	33.91
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2299	EA	Storeroom/Closet F86 Bored Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	403.79	33.91
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2300	EA	Corridor/Dormitory F90 Bored Lockset Note: Locked with key outside and push button inside.	403.79	33.91
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2301		**Hospital Locksets** *(08 71 11 00-2287)* Note: Satin chrome plated US 26D. (BHMA 626) - BHMA 156.2-1989 Grade 1.		
08 71 11 00-2302	EA	Push/Pull Hospital Latch (Glynn Johnson HL6)	637.94	33.91
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*116.91*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*116.91*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*79.80*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*70.52*	
		For Bright Chrome Plated US26 (BHMA 625) Finish, Add	*107.63*	
08 71 11 00-2303	EA	Push/Pull With Thumbturn Hospital Latch (Glynn Johnson PL7 / PL8)	722.07	33.91
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*116.91*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*116.91*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*79.80*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*70.52*	
		For Bright Chrome Plated US26 (BHMA 625) Finish, Add	*107.63*	
08 71 11 00-2304		**Other Locks** *(08 71 11 00-2271)* Note: BHMA A156.5.		
08 71 11 00-2305	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	1,119.19	176.34
08 71 11 00-2306	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	2,532.38	352.68
08 71 11 00-2307		**Pushbutton Combination Locks** *(08 71 11 00-2271)*		
08 71 11 00-2308		**Mechanical Pushbutton Combination Locks** *(08 71 11 00-2307)* Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2309		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)** *(08 71 11 00-2308)* Note: Satin chrome or antique brass finish.		
08 71 11 00-2310	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series)	901.89	85.29
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2311	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series)	967.86	85.29
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2312	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series)	994.24	85.29
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2313	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series)	1,060.21	85.29
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2314	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series)	1,014.03	85.29
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2315	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series)	1,080.00	85.29
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2316	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series)	1,106.39	85.29
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2317	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series)	1,172.36	85.29
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	

08 71 11 00-2318 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)

(08 71 11 00-2308)

Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.

08 71 11 00-2319	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	998.20	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2320	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	1,050.98	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2321	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,156.52	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2322	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,196.11	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2323	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,196.11	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2324	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,130.14	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	

08 71 11 00-2325 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)

(08 71 11 00-2308)

Note: Satin chrome or antique brass finish.

08 71 11 00-2326	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,205.34	85.29
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2327	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,244.92	85.29
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	

08 71 11 00-2328 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)

(08 71 11 00-2308)

Note: Satin stainless, bright brass or antique brass finish.

08 71 11 00-2329	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	523.23	85.29
		For Schlage Core, Add	*49.35*	
08 71 11 00-2330	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	697.39	85.29
		For Schlage Core, Add	*49.35*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2331		Electrical Pushbutton Combination Locks *(08 71 11 00-2307)* Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2332		Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) *(08 71 11 00-2331)* Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2333	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	934.87	85.29
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2334	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,093.20	85.29
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2335	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,132.78	85.29
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2336	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,066.81	85.29
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2337	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,000.84	85.29
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2338	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,132.78	85.29
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2339	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,159.16	85.29
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2340	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,198.74	85.29
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2341	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,132.78	85.29
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2342		Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 11 00-2331)* Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2343	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,198.74	85.29
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2344	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,198.74	85.29
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2345		Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 11 00-2331)* Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2346	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,403.24	85.29
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2347	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,403.24	85.29
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2348		Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) *(08 71 11 00-2331)* Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2349	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,508.79	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2350	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,640.73	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2351	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,667.12	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2352	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,706.70	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2353	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,640.73	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2354		Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) *(08 71 11 00-2331)*		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2355	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,135.49	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2356	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,267.43	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2357	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,293.81	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2358	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,333.39	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2359	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,267.43	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*107.17*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2360		Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) *(08 71 11 00-2331)*		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2361	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	3,032.65	85.29
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	
08 71 11 00-2362		Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) *(08 71 11 00-2331)*		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2363	EA	Twelve Button, Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,904.60	85.29
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2364		Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) *(08 71 11 00-2331)*		
08 71 11 00-2365	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	932.61	
08 71 11 00-2366	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	1,196.48	
08 71 11 00-2367	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	1,592.29	
08 71 11 00-2368	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	472.91	
08 71 11 00-2369	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)	144.94	
		Note: Includes 4 C-cell battery pack.		
08 71 11 00-2370	EA	12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	172.64	
08 71 11 00-2371		Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) *(08 71 11 00-2331)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2372	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,165.76	85.29
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-824.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2373	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,324.08	85.29
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-982.92*	
08 71 11 00-2374	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,363.66	85.29
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,022.50*	
08 71 11 00-2375	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,297.70	85.29
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-956.54*	
08 71 11 00-2376	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,231.73	85.29
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-890.57*	
08 71 11 00-2377	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,363.66	85.29
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,022.50*	
08 71 11 00-2378	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,390.05	85.29
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,048.89*	
08 71 11 00-2379	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,429.63	85.29
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,088.47*	
08 71 11 00-2380	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,363.66	85.29
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,022.50*	

08 71 11 00-2381 Electrical Pushbutton Combination Locks (Schlage) *(08 71 11 00-2331)*

Note: ANSI/BHMA Grade 1. Satin chrome finish.

08 71 11 00-2382	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	1,098.18	84.78
		For Owner Furnished Material, Deduct	*-759.06*	
08 71 11 00-2383	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	1,268.58	84.78
		For Owner Furnished Material, Deduct	*-929.46*	
08 71 11 00-2384	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,429.02	84.78
		For Owner Furnished Material, Deduct	*-1,089.90*	
08 71 11 00-2385	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,860.56	84.78
		For Owner Furnished Material, Deduct	*-1,521.44*	
08 71 11 00-2386	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	2,032.06	84.78
		For Owner Furnished Material, Deduct	*-1,692.94*	
08 71 11 00-2387	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,233.45	84.78
		For Owner Furnished Material, Deduct	*-1,894.33*	
08 71 11 00-2388	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	2,054.20	84.78
		For Owner Furnished Material, Deduct	*-1,715.08*	

08 71 11 00-2389 Residential Locks And Latchsets *(08 71 11 00-2271)*

08 71 11 00-2390	EA	Residential Entry Lockset With Knobs (Master Keyed)	98.52	20.47
08 71 11 00-2391	EA	Residential Privacy Lockset With Knobs	96.65	20.47
08 71 11 00-2392	EA	Residential Passage Lockset With Knobs	96.40	20.47
08 71 11 00-2393	EA	Residential Dummy Lockset With Knobs	76.83	17.06
08 71 11 00-2394	EA	Residential Entry Lockset With Levers (Master Keyed)	111.44	20.47
08 71 11 00-2395	EA	Residential Privacy Lockset With Levers	107.15	20.47
08 71 11 00-2396	EA	Residential Passage Lockset With Levers	104.04	20.47
08 71 11 00-2397	EA	Residential Dummy Lockset With Levers	78.31	17.06
08 71 11 00-2398	EA	Screen Door - Closer	61.84	14.74
08 71 11 00-2399	EA	Screen Door - Locking Handle	68.88	21.15

08 71 11 00-2400 Deadbolts *(08 71 11 00-2271)*

08 71 11 00-2401 Cylindrical Deadbolts, Grade 1, ANSI 156.5 *(08 71 11 00-2400)*

Note: 2-3/8" or 2-3/4" backset.

08 71 11 00-2402	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	226.89	33.91
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2403	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	258.23	33.91
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	

08 71 11 00-2404 Cylindrical Deadbolts, Grade 2, ANSI 156.5 *(08 71 11 00-2400)*

Note: 2-3/8" or 2-3/4" backset.

08 71 11 00-2405	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	205.42	33.91
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2406	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	239.66	33.91
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2407		**Small Case Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2400)* Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2408	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	293.48	33.91
08 71 11 00-2409	EA	Small Case Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	322.49	33.91
08 71 11 00-2410	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	287.68	33.91
08 71 11 00-2411		**Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2400)* Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2412	EA	Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	372.40	33.91
08 71 11 00-2413	EA	Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	419.98	33.91
08 71 11 00-2414	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	331.78	33.91
08 71 11 00-2415		**Surface Mounted Deadbolts** *(08 71 11 00-2400)*		
08 71 11 00-2416	EA	Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish.	158.67	33.91
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2417	EA	Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish.	179.64	33.91
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2418	EA	Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish.	196.31	33.91
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2419	EA	Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish.	217.28	33.91
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2420		**Surface Mounted Deadlatches** *(08 71 11 00-2271)*		
08 71 11 00-2421	EA	Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish.	160.32	33.91
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2422	EA	Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish.	196.39	33.91
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2423		**Electric Strikes** *(08 71 11 00-2271)*		
08 71 11 00-2424	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	403.72	67.82
08 71 11 00-2425	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111) Note: For rim mounted lock	1,165.18	67.82
08 71 11 00-2426	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112) Note: For rim mounted lock	1,113.65	67.82
08 71 11 00-2427	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) Note: For mortise or cylindrical locks	860.48	67.82
08 71 11 00-2428	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212) Note: For mortise or cylindrical locks	1,170.67	67.82
08 71 11 00-2429	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213) Note: For mortise or cylindrical locks	1,148.31	67.82
08 71 11 00-2430	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214) Note: For mortise or cylindrical locks	1,251.46	67.82
08 71 11 00-2431	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215) Note: For mortise or cylindrical locks	1,166.11	67.82
08 71 11 00-2432	EA	12/24 Volt DC, 2,500 Lb. Static Strength, Stainless Steel Body, Dual Voltage Electric Strike Body Only (HES 1006)	580.91	67.82
08 71 11 00-2433	EA	12/24 Volt DC, 3,000 Lb. Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	715.85	67.82
08 71 11 00-2434	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)	356.30	67.82
08 71 11 00-2435	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)	356.30	67.82
08 71 11 00-2436	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	453.96	67.82
08 71 11 00-2437	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)	799.36	67.82
08 71 11 00-2438	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	401.53	67.82
08 71 11 00-2439	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)	735.57	67.82
08 71 11 00-2440	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body,Fire Rated Concealed Electric Strike (HES 8500)	651.36	67.82
08 71 11 00-2441	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	775.12	89.53
08 71 11 00-2442	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)	880.13	89.53
08 71 11 00-2443	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)	775.68	89.53

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08 71 11 00-2444		**Electric Hardware** *(08 71 11 00-2271)*		
08 71 11 00-2445	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other to electrify the lock.	218.89	
08 71 11 00-2446	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks to electrify the lock.	253.99	
08 71 11 00-2447	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	134.14	33.91
08 71 11 00-2448	EA	1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	422.20	33.91
08 71 11 00-2449	EA	3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	734.18	33.91
08 71 11 00-2450	EA	4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,125.52	33.91
08 71 11 00-2451	EA	6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	1,243.69	33.91
08 71 11 00-2452	EA	9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply	1,485.48	33.91
08 71 11 00-2453	EA	15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply	1,802.05	33.91
08 71 11 00-2454	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	113.71	33.91
08 71 11 00-2455	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	116.12	33.91
08 71 11 00-2456	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	130.90	33.91
08 71 11 00-2457	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	133.84	33.91
08 71 11 00-2458	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	135.33	33.91
08 71 11 00-2459	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	143.82	33.91
08 71 11 00-2460	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	115.24	33.91
08 71 11 00-2461	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	127.09	33.91
08 71 11 00-2462	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	136.48	33.91
08 71 11 00-2463	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	152.70	33.91
08 71 11 00-2464	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	157.20	33.91
08 71 11 00-2465	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	130.05	33.91
08 71 11 00-2466	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	146.65	33.91
08 71 11 00-2467	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	90.63	33.91
08 71 11 00-2468	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	103.47	33.91
08 71 11 00-2469	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	110.26	33.91
08 71 11 00-2470	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	117.52	33.91
08 71 11 00-2471	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	155.34	33.91
08 71 11 00-2472	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	171.13	33.91
08 71 11 00-2473	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	95.88	33.91
08 71 11 00-2474	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	100.83	33.91
08 71 11 00-2475	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	115.57	33.91
08 71 11 00-2476	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	139.02	33.91
08 71 11 00-2477	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	160.01	33.91
08 71 11 00-2478	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	194.46	33.91
08 71 11 00-2479	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	104.13	33.91
08 71 11 00-2480	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	111.72	33.91
08 71 11 00-2481	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	769.11	33.91
08 71 11 00-2482	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	837.60	47.48
08 71 11 00-2483	EA	Electrified Lock; Schlage L9080 Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	1,453.02	
08 71 11 00-2484		**Magnetic Locks** *(08 71 11 00-2271)*		
08 71 11 00-2485	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	904.59	162.77
08 71 11 00-2486	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	1,086.44	183.13
08 71 11 00-2487	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	1,060.48	162.77
08 71 11 00-2488	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	1,242.00	183.13
08 71 11 00-2489	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	1,109.36	176.34
08 71 11 00-2490	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	1,216.27	176.34
08 71 11 00-2491	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490)	1,299.49	176.34
08 71 11 00-2492	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,426.74	203.47
08 71 11 00-2493	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,568.86	203.47
08 71 11 00-2494	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,632.88	203.47
08 71 11 00-2495	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	488.54	67.82
08 71 11 00-2496	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	807.83	67.82
08 71 11 00-2497	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	973.77	67.82
08 71 11 00-2498		**Interchangeable Core** *(08 71 11 00-2271)*		
08 71 11 00-2499	EA	Interchangeable Core; Primus D Series	280.44	33.91
08 71 11 00-2500		**Occupancy Indicator Locks** *(08 71 11 00-2271)*		
08 71 11 00-2501	EA	Occupancy Indicator Deadbolt With Thumbturn (Schlage B571) Note: Standard finish is satin chrome	162.04	33.90
		For Bright Brass Finish, Add	*5.28*	
		For Oil Rubbed Bronze Finish, Add	*14.12*	
		For Aged Bronze Finish, Add	*5.28*	
		For Satin Nickel Finish, Add	*5.28*	
08 71 11 00-2502	EA	Occupancy Indicator Lock And Lever (Vizilok C3F) Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides	236.57	33.90
		For Oil Rubbed Bronze Finish, Add	*5.73*	
08 71 11 00-2503		**Door Coordinators** *(08 71 11)*		
08 71 11 00-2504	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series) Note: Satin chrome finish. Includes two mounting brackets.	515.14	42.39
		For Anodized Aluminum Finish, Deduct	*-138.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2505	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) Note: Satin chrome finish. Includes two mounting brackets.	540.80	44.09
		For Anodized Aluminum Finish, Deduct	*-145.78*	
08 71 11 00-2506	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) Note: Satin chrome finish. Includes two mounting brackets.	553.96	45.78
		For Anodized Aluminum Finish, Deduct	*-148.33*	
08 71 11 00-2507	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) Note: Satin chrome finish. Includes two mounting brackets.	577.93	47.48
		For Anodized Aluminum Finish, Deduct	*-155.21*	
08 71 11 00-2508	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) Note: Satin chrome finish. Includes two mounting brackets.	618.82	49.17
		For Anodized Aluminum Finish, Deduct	*-168.86*	
08 71 11 00-2509	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")	122.89	13.57
		For Anodized Aluminum Finish, Deduct	*-27.45*	
08 71 11 00-2510	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")	135.49	15.26
		For Anodized Aluminum Finish, Deduct	*-29.78*	
08 71 11 00-2511	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")	155.41	16.96
		For Anodized Aluminum Finish, Deduct	*-35.04*	
08 71 11 00-2512	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	116.61	16.96
08 71 11 00-2513	EA	7" Projection COR Series Gravity Type Door Coordinator	172.52	25.43
		For Anodized Aluminum Finish, Deduct	*-28.31*	
08 71 11 00-2514	EA	9" Projection COR Series Gravity Type Door Coordinator	183.84	25.43
		For Anodized Aluminum Finish, Deduct	*-32.84*	

08 71 11 00-2515 Removal And Reinstallation Of Door Hardware *(08 71 11)*

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

08 71 11 00-2516	EA	Removal And Reinstallation Of Door Lockset, Entrance	101.74	
08 71 11 00-2517	EA	Removal And Reinstallation Of Door Lockset, Mortise	162.77	
08 71 11 00-2518	EA	Removal And Reinstallation Of Deadbolt Lock	108.52	
08 71 11 00-2519	PR	Removal And Reinstallation Of Butts/Hinges	27.13	
08 71 11 00-2520	EA	Removal And Reinstallation Of Door Bumper	9.49	
08 71 11 00-2521	EA	Removal And Reinstallation Of Surface Mounted Panic Device	271.30	
08 71 11 00-2522	EA	Removal And Reinstallation Of Kick Plate	33.91	
08 71 11 00-2523	EA	Removal And Reinstallation Of Push Plate	27.12	
08 71 11 00-2524	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	135.65	
08 71 11 00-2525	EA	Removal And Reinstallation Of Door Handles	20.36	

08 71 11 00-2526 Electromagnetic Door Release *(08 71 11)*

08 71 11 00-2527	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	664.46	85.45
08 71 11 00-2528	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	648.78	85.45
08 71 11 00-2529	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	727.84	85.45
08 71 11 00-2530	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	1,194.52	85.45
08 71 11 00-2531	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	1,152.91	85.45
08 71 11 00-2532	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	1,152.91	85.45
08 71 11 00-2533	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	1,051.13	85.45
08 71 11 00-2534	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	1,308.47	85.45
08 71 11 00-2535	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	1,249.26	85.45
08 71 11 00-2536	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	1,538.97	85.45
08 71 11 00-2537	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	742.71	85.45
08 71 11 00-2538	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	730.55	85.45
08 71 11 00-2539	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	1,110.64	85.45
08 71 11 00-2540	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	781.58	85.45
08 71 11 00-2541	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	781.58	85.45
08 71 11 00-2542	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	781.58	85.45

08 71 13 Automatic Door Operators *(08 71)*

08 71 13 00-0001 Automatic Door Operators (LCN) *(08 71 13)*

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,659.80	169.56
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,659.80	169.56

08 71 13 00-0004 Automatic Door Operators (Stanley) *(08 71 13)*

08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990)	4,493.62	169.56
08 71 13 00-0006	EA	6" Round Stainless Steel Actuator (Stanley CL2216)	289.11	
08 71 13 00-0007	EA	Power Supply (Stanley Precision ELR151)	1,010.23	
08 71 13 00-0008	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990) Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections	3,251.42	135.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 13 00-0009	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247) Note: Includes mounting post only	536.31	90.47
08 71 13 00-0010	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388) Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	350.58	43.25
08 71 13 00-0011	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055) Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	221.25	43.25
08 71 13 00-0012	EA	Touchless Plate Door Operator (Stanley CL2025) Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	346.15	43.25
08 71 13 00-0013	EA	Door Operator Push Plate Assembly (Stanley CL4976) Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,167.67	64.92
08 71 13 00-0014		Miscellaneous Devices *(08 71 13)*		
08 71 13 00-0015	EA	Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches	635.58	50.87
08 71 13 00-0016	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764)	188.71	30.52
08 71 13 00-0017	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750)	239.77	30.52
08 71 13 00-0018	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S)	134.49	30.52

08 71 53 Security Door Hardware *(08 71)*

08 71 53 00-0001		Door Exit Alarm Hardware *(08 71 53)*		
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	407.40	50.87
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	561.88	50.87
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	473.39	50.87
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	610.01	50.87
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	709.51	67.82
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) Note: For use with Detex EAX exit alarms.	125.55	67.82

08 72 Weatherstripping, Thresholds and Seals *(08 70)*

08 72 33 Weatherstripping and Seals *(08 72)*

08 72 33 00-0001		Weather-Stripping And Seals *(08 72 33)*		
08 72 33 00-0002		Astragals *(08 72 33 00-0001)* Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003		Adhesive Backed Astragals *(08 72 33 00-0002)*		
08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	5.77	1.02
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	6.43	1.02
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	4.91	1.02
08 72 33 00-0007		Overlapping Astragals *(08 72 33 00-0002)*		
08 72 33 00-0008		Aluminum, Overlapping Astragals *(08 72 33 00-0007)*		
08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	23.05	6.10
		For Color Anodized Finish, Add	*3.30*	
08 72 33 00-0010		Stainless Steel, Overlapping Astragals *(08 72 33 00-0007)*		
08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	46.50	6.10
08 72 33 00-0012		"T" Astragals *(08 72 33 00-0002)*		
08 72 33 00-0013		Aluminum, "T" Astragals *(08 72 33 00-0012)*		
08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	15.02	6.10
		For Color Anodized Finish, Add	*1.04*	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	18.88	6.10
		For Color Anodized Finish, Add	*1.36*	
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	19.48	6.10
		For Color Anodized Finish, Add	*2.60*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	36.00	6.10
		For Color Anodized Finish, Add	*8.38*	
08 72 33 00-0018		Brass/Bronze, "T" Astragals *(08 72 33 00-0012)*		
08 72 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	55.85	6.10
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0020		Locking Astragals *(08 72 33 00-0002)*		
08 72 33 00-0021		Outswing Locking Astragals *(08 72 33 00-0020)* Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022		Aluminum, Outswing Locking Astragals *(08 72 33 00-0021)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS) Note: Includes pile seal at inner door edge and neoprene bottom seal.	48.16	6.10
		For Color Anodized Finish, Add	*7.22*	
08 72 33 00-0024	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS) Note: Includes pile seal at inner door edge and neoprene bottom seal.	55.90	6.10
		For Color Anodized Finish, Add	*8.77*	
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	54.02	6.10
		For Thermal Break, Add	*2.52*	
08 72 33 00-0026	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	60.31	6.10
		For Thermal Break, Add	*2.90*	
08 72 33 00-0027		**Inswing Locking Astragals** *(08 72 33 00-0020)* Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028		**Wood, Inswing Locking Astragals** *(08 72 33 00-0027)*		
08 72 33 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	56.37	6.10
08 72 33 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q) Note: Includes kerf-in foam seal.	56.09	6.10
08 72 33 00-0031		**Aluminum, Inswing Locking Astragals** *(08 72 33 00-0027)*		
08 72 33 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV) Note: Includes pile seal at inner door edge and neoprene bottom seal.	31.94	6.10
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.98*	
08 72 33 00-0033	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV) Note: Includes pile seal at inner door edge and neoprene bottom seal.	38.41	6.10
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*5.27*	
08 72 33 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	34.39	6.10
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*4.47*	
08 72 33 00-0035	LF	Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	40.80	6.10
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*5.75*	
08 72 33 00-0036		**Security Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	29.79	6.10
		For Color Anodized Finish, Add	*17.73*	
08 72 33 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	50.15	6.10
08 72 33 00-0039		**Meeting Stile Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0040		**One Piece, Meeting Stile Astragals** *(08 72 33 00-0039)* Note: Includes an astragal for one door only.		
08 72 33 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	18.66	6.10
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	29.10	9.09
		For Color Anodized Finish, Add	*4.40*	
08 72 33 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	38.67	9.09
		For Color Anodized Finish, Add	*2.06*	
08 72 33 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	39.89	9.09
		For Color Anodized Finish, Add	*5.45*	
08 72 33 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	37.86	9.09
08 72 33 00-0046		**Two Piece, Meeting Stile Split Astragals** *(08 72 33 00-0039)* Note: Includes one astragal for each door.		
08 72 33 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	23.17	9.09
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*5.06*	
08 72 33 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	23.17	9.09
		For Color Anodized Finish, Add	*5.06*	
08 72 33 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	23.17	9.09
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*5.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0050	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	36.58	9.09
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.69*	
08 72 33 00-0051	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	29.98	9.09
		For Color Anodized Finish, Add	*4.75*	
08 72 33 00-0052	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	30.86	9.09
		For Color Anodized Finish, Add	*5.10*	
08 72 33 00-0053	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	37.46	9.09
		For Color Anodized Finish, Add	*9.68*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0054	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	38.34	9.09
		For Color Anodized Finish, Add	*8.09*	
08 72 33 00-0055	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	39.22	9.09
		For Color Anodized Finish, Add	*8.44*	

08 72 33 00-0056 Two Piece, Adjustable Meeting Stile Split Astragals *(08 72 33 00-0039)*

Note: Includes one astragal for each door.

08 72 33 00-0057 Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals *(08 72 33 00-0056)*

08 72 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	70.43	9.09
		For Color Anodized Finish, Add	*13.08*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	71.82	9.09
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*10.74*	

08 72 33 00-0060 Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals *(08 72 33 00-0056)*

08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	166.43	9.09
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	156.05	9.09
		For Silicone Insert, Add	*0.63*	

08 72 33 00-0063 Door Sweeps *(08 72 33 00-0001)*

08 72 33 00-0064 Tack On Door Sweeps *(08 72 33 00-0063)*

08 72 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	8.33	3.39
08 72 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	8.46	3.39
08 72 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	8.85	3.39

08 72 33 00-0068 Aluminum Retainer Door Sweeps *(08 72 33 00-0063)*

08 72 33 00-0069 35 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*

Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.

08 72 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	19.94	6.78
		For Color Anodized Finish, Add	*2.55*	
08 72 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	20.60	6.78
		For Color Anodized Finish, Add	*2.46*	

08 72 33 00-0072 45 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*

Note: The retainer mounts to the door face with the sweep positioned 45-degrees from the door. Includes clear anodized finish.

08 72 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	31.15	6.78
		For Color Anodized Finish, Add	*7.04*	
08 72 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	33.79	6.78
		For Color Anodized Finish, Add	*8.09*	
08 72 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	39.50	6.78
		For Color Anodized Finish, Add	*10.38*	

08 72 33 00-0076 90 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*

Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.

08 72 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	22.13	6.78
		For Color Anodized Finish, Add	*0.86*	
08 72 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	21.91	6.78
		For Color Anodized Finish, Add	*0.84*	
08 72 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	23.45	6.78
		For Color Anodized Finish, Add	*3.46*	
08 72 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	24.11	6.78
		For Color Anodized Finish, Add	*4.22*	
08 72 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	21.47	6.78
		For Color Anodized Finish, Add	*1.98*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	27.63	6.78
		For Color Anodized Finish, Add	*2.81*	
08 72 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	22.79	6.78
		For Color Anodized Finish, Add	*1.85*	
08 72 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) Note: Includes mill finish.	17.02	6.78
		For Color Anodized Finish, Add	*1.73*	
08 72 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) Note: Includes mill finish.	17.19	6.78
		For Color Anodized Finish, Add	*1.82*	
08 72 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) Note: Includes mill finish.	19.06	6.78
		For Color Anodized Finish, Add	*1.93*	
08 72 33 00-0087		180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0088		180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*		
08 72 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	19.50	6.78
		For Color Anodized Finish, Add	*2.38*	
08 72 33 00-0090	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	19.94	6.78
		For Color Anodized Finish, Add	*2.55*	
08 72 33 00-0091	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	23.45	6.78
		For Color Anodized Finish, Add	*3.46*	
08 72 33 00-0092		180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*		
08 72 33 00-0093	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	23.67	6.78
		For Color Anodized Finish, Add	*4.04*	
08 72 33 00-0094	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	24.11	6.78
		For Color Anodized Finish, Add	*4.22*	
08 72 33 00-0095	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	25.96	6.78
		For Color Anodized Finish, Add	*4.96*	
08 72 33 00-0096		Mortised, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	17.52	6.78
08 72 33 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	17.52	6.78
08 72 33 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	17.74	6.78
08 72 33 00-0100		Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0063)*		
08 72 33 00-0101		90 Degree, Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0100)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	17.08	6.78
		For Color Anodized Finish, Add	*2.46*	
08 72 33 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	19.94	6.78
		For Color Anodized Finish, Add	*2.55*	
08 72 33 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) Note: Includes clear anodized finish.	22.08	6.78
		For Color Anodized Finish, Add	*1.70*	
08 72 33 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	22.46	6.78
		For Color Anodized Finish, Add	*1.78*	
08 72 33 00-0106		Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0107		90 Degree, Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0106)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	26.75	6.78
08 72 33 00-0109		Oak Retainer Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0110		90 Degree, Oak Retainer Door Sweeps *(08 72 33 00-0109)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	21.69	6.78
08 72 33 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	25.16	6.78
08 72 33 00-0113		Door Shoes And Bottoms *(08 72 33 00-0001)*		
08 72 33 00-0114		Door Shoes *(08 72 33 00-0113)*		
08 72 33 00-0115		Aluminum Retainer Door Shoes *(08 72 33 00-0114)*		
08 72 33 00-0116		Bottom Mount, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	18.84	6.78
		For Color Anodized Finish, Add	*2.11*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	19.50	6.78
		For Color Anodized Finish, Add	*2.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	25.87	6.78
		For Color Anodized Finish, Add	*2.46*	
08 72 33 00-0120		**Side Mount, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	21.69	6.78
		For Color Anodized Finish, Add	*3.25*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0122		**L Or U Shaped, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	19.94	6.78
		For Color Anodized Finish, Add	*3.19*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	21.25	6.78
		For Color Anodized Finish, Add	*3.08*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	21.69	6.78
		For Color Anodized Finish, Add	*3.25*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	30.63	6.78
		For Color Anodized Finish, Add	*3.41*	
08 72 33 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	31.07	6.78
		For Color Anodized Finish, Add	*3.50*	
08 72 33 00-0128		**L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	20.38	6.78
		For Color Anodized Finish, Add	*3.41*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	21.69	6.78
		For Color Anodized Finish, Add	*3.25*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	21.91	6.78
		For Color Anodized Finish, Add	*3.34*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0132		**Vinyl Door Shoes** *(08 72 33 00-0114)*		
08 72 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	24.67	6.78
08 72 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	29.68	6.78
08 72 33 00-0135		**Door Bottoms** *(08 72 33 00-0113)*		
08 72 33 00-0136		**Automatic Door Bottoms** *(08 72 33 00-0135)*		
08 72 33 00-0137		**Aluminum Automatic Door Bottoms** *(08 72 33 00-0136)*		
08 72 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	42.51	6.78
		For Color Anodized Finish, Add	*5.79*	
08 72 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	60.64	6.78
		For Color Anodized Finish, Add	*9.42*	
08 72 33 00-0140		**Door Top Protection** *(08 72 33 00-0001)*		
08 72 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	15.67	5.43
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.32*	
08 72 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	15.67	5.43
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.32*	
08 72 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	19.75	5.43
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*2.44*	
08 72 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door	71.97	
08 72 33 00-0145		**Perimeter Gasketing Weather-Strip** *(08 72 33 00-0001)*		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146		**Adhesive Backed Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	4.95	3.39
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	5.00	3.39
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	6.55	3.39
08 72 33 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	5.42	3.39
08 72 33 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	7.13	3.39
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	6.61	3.39
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	8.73	3.39
08 72 33 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	8.07	3.39
08 72 33 00-0155		**Kerf-In Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	4.41	3.39
08 72 33 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	6.56	3.39
08 72 33 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	4.93	3.39
08 72 33 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	4.87	3.39
08 72 33 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	6.34	3.39
08 72 33 00-0161		Cushion/Spring Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0162		Spring Bronze Perimeter Gasketing Weather-Strip *(08 72 33 00-0161)*		
08 72 33 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	9.61	3.39
08 72 33 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	9.61	3.39
08 72 33 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	10.18	3.39
08 72 33 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	10.29	3.39
08 72 33 00-0167		Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip *(08 72 33 00-0161)*		
08 72 33 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	9.30	3.39
08 72 33 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	10.18	3.39
08 72 33 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	11.13	3.39
08 72 33 00-0171		Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0172		Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*		
08 72 33 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	9.31	3.39
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.53*	
08 72 33 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	9.31	3.39
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.53*	
08 72 33 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	9.31	3.39
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.53*	
08 72 33 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	16.01	3.39
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*1.85*	
08 72 33 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	16.45	3.39
		For Color Anodized Finish, Add	*4.84*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	16.45	3.39
		For Color Anodized Finish, Add	*3.38*	
08 72 33 00-0179		Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*		
08 72 33 00-0180		Standard Jamb, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
08 72 33 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	15.68	3.39
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0182		Head Section, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
08 72 33 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	17.42	3.39
08 72 33 00-0184		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0185		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	23.78	3.39
		For Silicone Insert, Add	*1.58*	
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	39.01	3.39
08 72 33 00-0188		Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0189		Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0188)*		
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	33.95	3.39
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0191		Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	22.67	6.78
		For Color Anodized Finish, Add	*3.64*	
08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	23.43	6.78
		For Color Anodized Finish, Add	*3.95*	
08 72 33 00-0194		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)* Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	28.45	3.39
		For Color Anodized Finish, Add	*4.33*	
08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	29.99	3.39
		For Color Anodized Finish, Add	*4.64*	
08 72 33 00-0197		Perimeter Gasketing Smoke Seals *(08 72 33 00-0001)* Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0198	LF	Compression Bulb, Adhesive Backed Perimeter Gasketing Smoke Seal (Pemko HSS2000)	6.45	3.39
08 72 43		**Thresholds** *(08 72)*		
08 72 43 00-0001		Thresholds *(08 72 43)* Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		Metal Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0003		Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0004		Aluminum Saddle Thresholds *(08 72 43 00-0003)* Note: Includes mill finish.		
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	35.47	10.85
		For Color Anodized Finish, Add	*3.34*	
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	39.21	10.85
		For Color Anodized Finish, Add	*4.84*	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	45.77	13.56
		For Color Anodized Finish, Add	*8.31*	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	49.97	13.56
		For Color Anodized Finish, Add	*8.04*	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	55.01	13.56
		For Color Anodized Finish, Add	*7.39*	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	62.48	13.56
		For Color Anodized Finish, Add	*7.15*	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	74.99	16.28
		For Color Anodized Finish, Add	*8.58*	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	80.04	16.28
		For Color Anodized Finish, Add	*9.84*	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	88.10	16.28
		For Color Anodized Finish, Add	*11.85*	
08 72 43 00-0016		5/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	38.55	10.85
		For Color Anodized Finish, Add	*4.00*	
08 72 43 00-0018		1/2" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	38.77	10.85
		For Color Anodized Finish, Add	*5.83*	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	47.53	13.56
		For Color Anodized Finish, Add	*9.54*	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	51.82	13.56
		For Color Anodized Finish, Add	*8.96*	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	55.44	13.56
		For Color Anodized Finish, Add	*7.54*	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	62.48	13.56
		For Color Anodized Finish, Add	*7.15*	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	77.62	16.28
		For Color Anodized Finish, Add	*12.93*	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	82.24	16.28
		For Color Anodized Finish, Add	*16.62*	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	86.86	16.28
		For Color Anodized Finish, Add	*18.47*	
08 72 43 00-0027		Brass/Bronze Saddle Thresholds *(08 72 43 00-0003)*		
08 72 43 00-0028		3/16" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	73.36	10.85
08 72 43 00-0030		**1/4" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	108.72	10.85
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	131.82	13.56
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	156.30	13.56
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	180.10	13.56
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	207.30	13.56
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	265.09	16.28
08 72 43 00-0037		**1/2" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	142.70	13.56
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	169.90	13.56
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	197.10	13.56
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	231.10	13.56
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	325.16	16.28
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	309.56	16.28
08 72 43 00-0044		**Stainless Steel Saddle Thresholds** *(08 72 43 00-0003)*		
08 72 43 00-0045		**1/2" Height, Stainless Steel Saddle Thresholds** *(08 72 43 00-0044)*		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	122.30	13.56
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	129.10	13.56
08 72 43 00-0048		**Half Saddle Thresholds** *(08 72 43 00-0002)*		
08 72 43 00-0049		**Aluminum Half Saddle Thresholds** *(08 72 43 00-0048)*		
		Note: Includes mill finish.		
08 72 43 00-0050		**3/4" Height, Aluminum Half Saddle Thresholds** *(08 72 43 00-0049)*		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	55.96	13.56
		For Color Anodized Finish, Add	*8.82*	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	71.93	13.56
		For Color Anodized Finish, Add	*3.80*	
08 72 43 00-0053		**Offset Saddle Thresholds** *(08 72 43 00-0002)*		
08 72 43 00-0054		**Aluminum Offset Saddle Thresholds** *(08 72 43 00-0053)*		
		Note: Includes mill finish.		
08 72 43 00-0055		**1/2" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	56.10	13.56
		For Color Anodized Finish, Add	*11.10*	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	61.82	13.56
		For Color Anodized Finish, Add	*9.77*	
08 72 43 00-0058		**3/4" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	56.10	13.56
		For Color Anodized Finish, Add	*11.10*	
08 72 43 00-0060		**1" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	64.02	13.56
		For Color Anodized Finish, Add	*10.54*	
08 72 43 00-0062		**Modular Ramp Thresholds** *(08 72 43 00-0001)*		
		Note: Includes mill finish.		
08 72 43 00-0063		**Flush, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	58.97	13.56
		For Non-Slip Surfacing, Add	*95.55*	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	73.45	14.92
		For Non-Slip Surfacing, Add	*122.14*	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	93.24	16.95
		For Non-Slip Surfacing, Add	*166.15*	
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	118.22	17.62
		For Non-Slip Surfacing, Add	*223.99*	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	137.47	18.98
		For Non-Slip Surfacing, Add	*298.50*	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	170.07	21.02
		For Non-Slip Surfacing, Add	*332.90*	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	189.67	23.05
		For Non-Slip Surfacing, Add	*373.26*	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	201.17	24.41
		For Non-Slip Surfacing, Add	*380.88*	
08 72 43 00-0072		**3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	99.32	16.95
		For Non-Slip Surfacing, Add	*176.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	116.40	17.62
		For Non-Slip Surfacing, Add	*219.08*	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	145.44	20.34
		For Non-Slip Surfacing, Add	*272.38*	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	170.74	21.70
		For Non-Slip Surfacing, Add	*331.11*	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	195.95	23.05
		For Non-Slip Surfacing, Add	*389.58*	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	214.18	24.41
		For Non-Slip Surfacing, Add	*429.94*	
08 72 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	262.06	25.77
		For Non-Slip Surfacing, Add	*547.40*	

08 72 43 00-0080 7" Top Plate, Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*

08 72 43 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	114.79	18.31
		For Non-Slip Surfacing, Add	*218.88*	
08 72 43 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	134.57	20.34
		For Non-Slip Surfacing, Add	*262.89*	
08 72 43 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	160.90	21.70
		For Non-Slip Surfacing, Add	*317.28*	
08 72 43 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	180.16	23.05
		For Non-Slip Surfacing, Add	*361.94*	
08 72 43 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	211.41	24.41
		For Non-Slip Surfacing, Add	*422.73*	
08 72 43 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	229.63	25.77
		For Non-Slip Surfacing, Add	*463.09*	
08 72 43 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	264.78	27.12
		For Non-Slip Surfacing, Add	*526.35*	

08 72 43 00-0088 Accessories For Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*

08 72 43 00-0089 Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*

08 72 43 00-0090	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	270.23	16.95
		For Non-Slip Surfacing, Add	*28.36*	
08 72 43 00-0091	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	414.97	16.95
		For Non-Slip Surfacing, Add	*45.73*	
08 72 43 00-0092	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	820.59	23.73
		For Non-Slip Surfacing, Add	*92.78*	

08 72 43 00-0093 Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*

08 72 43 00-0094	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	270.23	16.95
		For Non-Slip Surfacing, Add	*28.36*	
08 72 43 00-0095	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	414.97	16.95
		For Non-Slip Surfacing, Add	*45.73*	
08 72 43 00-0096	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	820.59	23.73
		For Non-Slip Surfacing, Add	*92.78*	

08 72 43 00-0097 Latching Panic Exit Saddle Thresholds *(08 72 43 00-0001)*

Note: Includes vinyl or pile seal.

08 72 43 00-0098 Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*

Note: Includes mill finish.

08 72 43 00-0099 Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*

08 72 43 00-0100 7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*

08 72 43 00-0101	LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)	67.54	13.56
		For Color Anodized Finish, Add	*11.77*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0102	LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	56.32	13.56
		For Color Anodized Finish, Add	*11.21*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0103	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	74.57	13.56
		For Color Anodized Finish, Add	*14.23*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0104	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	77.65	13.56
		For Color Anodized Finish, Add	*15.31*	
		For Thermoseal, Add	*0.63*	

08 72 43 00-0105 1" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*

08 72 43 00-0106	LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	53.69	13.56
		For Color Anodized Finish, Add	*9.90*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0107	LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	56.76	13.56
		For Color Anodized Finish, Add	*11.43*	
		For Thermoseal, Add	*0.63*	

08 72 43 00-0108 Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*

08 72 43 00-0109 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0108)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 72 43 00-0110	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	60.06	13.56
			For Color Anodized Finish, Add	*10.46*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0111	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	62.92	13.56
			For Color Anodized Finish, Add	*11.61*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0112	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	67.10	13.56
			For Color Anodized Finish, Add	*11.62*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0113	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	71.82	13.56
			For Color Anodized Finish, Add	*13.27*	
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0114		Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*		
	08 72 43 00-0115		Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
	08 72 43 00-0116		7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
	08 72 43 00-0117	LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	198.46	13.56
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	184.86	13.56
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	261.02	13.56
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	234.64	13.56
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0121		1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
	08 72 43 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	195.47	13.56
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0123		Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
	08 72 43 00-0124		7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0123)*		
	08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	205.41	14.92
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	214.79	14.92
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	265.52	14.92
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	243.75	15.59
			For Thermoseal, Add	*0.63*	
	08 72 43 00-0129		Carpet Separator Thresholds *(08 72 43 00-0001)*		
	08 72 43 00-0130		Aluminum, Carpet Separator Thresholds *(08 72 43 00-0129)* Note: Includes mill finish.		
	08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
	08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	40.53	10.85
			For Color Anodized Finish, Add	*5.36*	
	08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
	08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	32.96	9.49
			For Color Anodized Finish, Add	*3.23*	
	08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	50.39	10.85
			For Color Anodized Finish, Add	*6.60*	
	08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	59.62	10.85
			For Color Anodized Finish, Add	*10.29*	
	08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
	08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	30.11	9.49
			For Color Anodized Finish, Add	*1.60*	
	08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
	08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	32.96	9.49
			For Color Anodized Finish, Add	*2.77*	
	08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	51.05	13.56
			For Color Anodized Finish, Add	*6.86*	
	08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	53.69	13.56
			For Color Anodized Finish, Add	*5.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0129)*		
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	110.22	10.85
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	141.54	9.49
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	132.50	13.56
08 72 43 00-0149		Vinyl Transition Thresholds *(08 72 43 00-0001)* Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	48.59	10.85
08 72 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	48.59	10.85
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	52.17	13.56
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	55.74	13.56
08 72 43 00-0158		Residential Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0159		Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	20.98	6.78
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	21.71	6.78
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	29.24	7.22
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	29.70	7.49
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	44.90	7.70
08 72 43 00-0165		Vinyl Top, Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	25.01	6.78
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	30.36	7.49
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	56.08	7.49
08 72 43 00-0169		Vinyl Top, Aluminum Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	25.08	6.78
		For Color Anodized Finish, Add	*3.25*	
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	29.26	7.49
		For Color Anodized Finish, Add	*4.22*	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	31.02	7.49
		For Color Anodized Finish, Add	*4.92*	
08 72 43 00-0173		Interlocking Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0174		Aluminum Interlocking Residential Thresholds *(08 72 43 00-0173)*		
08 72 43 00-0175		1/2" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	55.08	7.70
		For Color Anodized Finish, Add	*10.75*	
08 72 43 00-0177		5/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	36.73	7.22
		For Color Anodized Finish, Add	*5.61*	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	33.44	7.49
		For Color Anodized Finish, Add	*7.37*	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	38.82	7.70
		For Color Anodized Finish, Add	*5.87*	
08 72 43 00-0181		7/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	42.33	7.70
		For Color Anodized Finish, Add	*11.54*	
08 72 43 00-0183		Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0173)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0184		1/2" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	145.05	7.70
08 72 43 00-0186		5/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	110.51	7.49
08 72 43 00-0188		7/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	148.45	7.70
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	210.20	7.92
08 72 43 00-0191		Residential Door Sills *(08 72 43 00-0001)*		
08 72 43 00-0192		Fixed Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	31.78	7.70
		For Color Anodized Finish, Add	*6.27*	
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	34.05	7.92
		For Color Anodized Finish, Add	*5.70*	
08 72 43 00-0195		Adjustable Aluminum Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	45.21	7.70
		For Color Anodized Finish, Add	*9.09*	
08 72 43 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	46.41	7.92
		For Color Anodized Finish, Add	*9.31*	
08 72 43 00-0198		Adjustable Wood Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	45.72	7.49
		For Color Anodized Finish, Add	*9.45*	
08 72 43 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	46.26	7.70
		For Color Anodized Finish, Add	*6.75*	
08 72 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	48.27	7.92
		For Color Anodized Finish, Add	*7.12*	
08 72 43 00-0202		Extenders For Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	19.06	6.78
		For Color Anodized Finish, Add	*3.85*	
08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	20.81	6.78
		For Color Anodized Finish, Add	*3.63*	
08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	22.57	6.78
		For Color Anodized Finish, Add	*2.25*	
08 72 43 00-0206		Stone Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0207		Marble Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	22.31	8.61
08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	24.65	8.61
08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	27.78	8.61
08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	34.84	8.61
08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	43.10	8.61
08 72 43 00-0213		Corian Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	95.33	11.25

08 75 Window Hardware *(08 70)*

08 75 13 Automatic Window Equipment *(08 75)*

08 75 13 00-0001		Window Opener Electric, With 1/2 HP Motor *(08 75 13)*		
08 75 13 00-0002	EA	Gym Window Electronic Opener	2,251.29	288.93

08 78 Special Function Hardware *(08 70)*

08 78 00 00-0001		Pad Locks *(08 78)*		
08 78 00 00-0002	EA	Combination Padlock	26.92	6.78
08 78 00 00-0003	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	61.15	6.78
08 78 00 00-0004	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	56.51	6.78
08 78 00 00-0005	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	62.26	6.78
08 78 00 00-0006	EA	Commercial U-Bar Lock	75.55	6.78
08 78 00 00-0007	EA	Weather Tough Padlocks Keyed Alike	63.41	6.78
08 78 00 00-0008	EA	High Security Padlocks	57.27	6.78
08 78 00 00-0009	EA	Standard Key, Medium Security Padlock Keyed Alike	30.30	6.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 79 Hardware Accessories *(08 70)*

08 79 13 Key Storage Equipment *(08 79)*

08 79 13 00-0001 Key Cabinet *(08 79 13)*

08 79 13 00-0002 Key Cabinets *(08 79 13 00-0001)*

08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys	535.78	24.41
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys	723.15	27.12
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys	1,622.62	40.68
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys	4,181.53	54.24
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys	4,461.72	35.93
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys	10,078.54	27.12
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys	225.35	10.85
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys	321.29	13.56

08 79 13 00-0011 Key Boxes Wall Mounted On Any Type Wall, With Anchor *(08 79 13 00-0001)*

08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High	307.70	20.35
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High	348.43	20.35
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box Note: Including Storage And Cleaning	69.18	
08 79 13 00-0015	EA	Relocate Heavy-Duty Key Box, With Combo Lock Door Note: Including Storage And Cleaning	155.99	

08 80 Glazing *(08)*

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks.

08 81 Glass Glazing *(08 80)*

08 81 23 Exterior Glass Glazing *(08 81)*

08 81 23 13 Factory Installed Glass Glazing *(08 81 23)*

08 81 23 13-0001 Clear Float Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0002 Clear Float Factory Installed Glass *(08 81 23 13-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	8.74
		For >50 To 200, Deduct	*-0.26*
		For >200 To 400, Deduct	*-0.52*
		For >400, Deduct	*-0.79*
		For Tinted Glass, Add	*2.19*
		For Reflective Coated Glass, Add	*3.93*
		For Low-E Coated Glass, Add	*2.19*
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	9.37
		For >50 To 200, Deduct	*-0.28*
		For >200 To 400, Deduct	*-0.56*
		For >400, Deduct	*-0.84*
		For Tinted Glass, Add	*2.34*
		For Reflective Coated Glass, Add	*4.22*
		For Low-E Coated Glass, Add	*2.34*
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	11.36
		For >50 To 200, Deduct	*-0.34*
		For >200 To 400, Deduct	*-0.68*
		For >400, Deduct	*-1.02*
		For Tinted Glass, Add	*2.84*
		For Reflective Coated Glass, Add	*5.11*
		For Low-E Coated Glass, Add	*2.84*
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	18.89
		For >50 To 200, Deduct	*-0.57*
		For >200 To 400, Deduct	*-1.13*
		For >400, Deduct	*-1.70*
		For Tinted Glass, Add	*4.72*
		For Reflective Coated Glass, Add	*8.50*
		For Low-E Coated Glass, Add	*4.72*
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	27.48
		For >50 To 200, Deduct	*-0.82*
		For >200 To 400, Deduct	*-1.65*
		For >400, Deduct	*-2.47*
		For Tinted Glass, Add	*6.87*
		For Reflective Coated Glass, Add	*12.37*
		For Low-E Coated Glass, Add	*6.87*
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	30.20
		For >50 To 200, Deduct	*-0.91*
		For >200 To 400, Deduct	*-1.81*
		For >400, Deduct	*-2.72*
		For Tinted Glass, Add	*7.55*
		For Reflective Coated Glass, Add	*13.59*
		For Low-E Coated Glass, Add	*7.55*
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	36.13
		For >50 To 200, Deduct	*-1.08*
		For >200 To 400, Deduct	*-2.17*
		For >400, Deduct	*-3.25*
		For Tinted Glass, Add	*9.03*
		For Reflective Coated Glass, Add	*16.26*
		For Low-E Coated Glass, Add	*9.03*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	44.63	
		For >50 To 200, Deduct	*-1.34*	
		For >200 To 400, Deduct	*-2.68*	
		For >400, Deduct	*-4.02*	
		For Tinted Glass, Add	*11.16*	
		For Reflective Coated Glass, Add	*20.08*	
		For Low-E Coated Glass, Add	*11.16*	
08 81 23 13-0011		Heat Treated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0012		Tempered, Clear Float Factory Installed Glass *(08 81 23 13-0011)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	13.01	
		For >50 To 200, Deduct	*-0.39*	
		For >200 To 400, Deduct	*-0.78*	
		For >400, Deduct	*-1.17*	
		For Tinted Glass, Add	*3.25*	
		For Reflective Coated Glass, Add	*5.85*	
		For Low-E Coated Glass, Add	*3.25*	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	13.90	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.83*	
		For >400, Deduct	*-1.25*	
		For Tinted Glass, Add	*3.48*	
		For Reflective Coated Glass, Add	*6.26*	
		For Low-E Coated Glass, Add	*3.48*	
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	16.91	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.01*	
		For >400, Deduct	*-1.52*	
		For Tinted Glass, Add	*4.23*	
		For Reflective Coated Glass, Add	*7.61*	
		For Low-E Coated Glass, Add	*4.23*	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	28.15	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.69*	
		For >400, Deduct	*-2.53*	
		For Tinted Glass, Add	*7.04*	
		For Reflective Coated Glass, Add	*12.67*	
		For Low-E Coated Glass, Add	*7.04*	
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	40.91	
		For >50 To 200, Deduct	*-1.23*	
		For >200 To 400, Deduct	*-2.45*	
		For >400, Deduct	*-3.68*	
		For Tinted Glass, Add	*10.23*	
		For Reflective Coated Glass, Add	*18.41*	
		For Low-E Coated Glass, Add	*10.23*	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	44.94	
		For >50 To 200, Deduct	*-1.35*	
		For >200 To 400, Deduct	*-2.70*	
		For >400, Deduct	*-4.04*	
		For Tinted Glass, Add	*11.24*	
		For Reflective Coated Glass, Add	*20.22*	
		For Low-E Coated Glass, Add	*11.24*	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	53.77	
		For >50 To 200, Deduct	*-1.61*	
		For >200 To 400, Deduct	*-3.23*	
		For >400, Deduct	*-4.84*	
		For Tinted Glass, Add	*13.44*	
		For Reflective Coated Glass, Add	*24.20*	
		For Low-E Coated Glass, Add	*13.44*	
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	66.42	
		For >50 To 200, Deduct	*-1.99*	
		For >200 To 400, Deduct	*-3.99*	
		For >400, Deduct	*-5.98*	
		For Tinted Glass, Add	*16.61*	
		For Reflective Coated Glass, Add	*29.89*	
		For Low-E Coated Glass, Add	*16.61*	
08 81 23 13-0021		Patterned Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0022		Rough Obscure, Factory Installed Glass *(08 81 23 13-0021)*		
		Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	71.08	
08 81 23 13-0024		Patterned, Figured Factory Installed Glass *(08 81 23 13-0021)*		
		Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	43.18	
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	43.18	
08 81 23 13-0027		Wired Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0028		Square Or Diamond Pattern, Wired Factory Installed Glass *(08 81 23 13-0027)*		
		Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	111.76	
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	111.76	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0031		Polished, Wired Factory Installed Glass *(08 81 23 13-0027)*		
08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	122.17	
08 81 23 13-0033		Frosted Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0034		Frosted Factory Installed Glass *(08 81 23 13-0033)*		
08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	56.50	
		For >50 To 200, Deduct	*-1.70*	
		For >200 To 400, Deduct	*-3.39*	
		For >400, Deduct	*-5.09*	
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	74.14	
		For >50 To 200, Deduct	*-2.22*	
		For >200 To 400, Deduct	*-4.45*	
		For >400, Deduct	*-6.67*	
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	93.71	
		For >50 To 200, Deduct	*-2.81*	
		For >200 To 400, Deduct	*-5.62*	
		For >400, Deduct	*-8.43*	
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	140.08	
		For >50 To 200, Deduct	*-4.20*	
		For >200 To 400, Deduct	*-8.40*	
		For >400, Deduct	*-12.61*	
08 81 23 13-0039		Fire Rated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0040		Fire Rated Factory Installed Glass *(08 81 23 13-0039)*		
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	53.66	
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	106.83	
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	165.10	
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	218.52	
08 81 23 13-0045		Laminated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 13-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	35.44	
		For >50 To 200, Deduct	*-1.06*	
		For >200 To 400, Deduct	*-2.13*	
		For >400, Deduct	*-3.19*	
		For Tinted Glass, Add	*7.09*	
		For Reflective Coated Glass, Add	*10.63*	
		For Low-E Coated Glass, Add	*8.86*	
		For One Piece Heat Strengthened Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	44.24	
		For >50 To 200, Deduct	*-1.33*	
		For >200 To 400, Deduct	*-2.65*	
		For >400, Deduct	*-3.98*	
		For Tinted Glass, Add	*8.85*	
		For Reflective Coated Glass, Add	*13.27*	
		For Low-E Coated Glass, Add	*11.06*	
		For One Piece Heat Strengthened Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	51.11	
		For >50 To 200, Deduct	*-1.53*	
		For >200 To 400, Deduct	*-3.07*	
		For >400, Deduct	*-4.60*	
		For Tinted Glass, Add	*10.22*	
		For Reflective Coated Glass, Add	*15.33*	
		For Low-E Coated Glass, Add	*12.78*	
		For One Piece Heat Strengthened Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0050		Insulated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0051		Insulated, Factory Installed Glass *(08 81 23 13-0050)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass	21.80	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.65*	
		For >200 To 400, Deduct	*-1.31*	
		For >400, Deduct	*-1.96*	
		For Tinted Glass, Add	*3.27*	
		For Reflective Coated Glass, Add	*6.54*	
		For Low-E Coated Glass, Add	*5.45*	
		For One Piece Heat Strengthened Glass, Add	*4.36*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.36*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.00*	
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass	23.82	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	*-0.71*	
		For >200 To 400, Deduct	*-1.43*	
		For >400, Deduct	*-2.14*	
		For Tinted Glass, Add	*3.57*	
		For Reflective Coated Glass, Add	*7.15*	
		For Low-E Coated Glass, Add	*5.96*	
		For One Piece Heat Strengthened Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass	23.86	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.43*	
		For >400, Deduct	*-2.15*	
		For Tinted Glass, Add	*3.58*	
		For Reflective Coated Glass, Add	*7.16*	
		For Low-E Coated Glass, Add	*5.97*	
		For One Piece Heat Strengthened Glass, Add	*4.77*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.77*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.14*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass	22.44	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.35*	
		For >400, Deduct	*-2.02*	
		For Tinted Glass, Add	*3.37*	
		For Reflective Coated Glass, Add	*6.73*	
		For Low-E Coated Glass, Add	*5.61*	
		For One Piece Heat Strengthened Glass, Add	*4.49*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.49*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.54*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.09*	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass	23.82	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.71*	
		For >200 To 400, Deduct	*-1.43*	
		For >400, Deduct	*-2.14*	
		For Tinted Glass, Add	*3.57*	
		For Reflective Coated Glass, Add	*7.15*	
		For Low-E Coated Glass, Add	*5.96*	
		For One Piece Heat Strengthened Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	24.09	
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.24*	
		For Argon Gas, Add	*3.31*	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	24.09	
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.24*	
		For Argon Gas, Add	*3.31*	
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	27.54	
		For >50 To 200, Deduct	*-0.83*	
		For >200 To 400, Deduct	*-1.65*	
		For >400, Deduct	*-2.48*	
		For Tinted Glass, Add	*4.13*	
		For Reflective Coated Glass, Add	*8.26*	
		For Low-E Coated Glass, Add	*6.89*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.51*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.51*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.70*	
		For Argon Gas, Add	*3.79*	

08 81 23 13-0062 3/8" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 3/8" air space.	24.09	
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.24*	
		For Argon Gas, Add	*3.31*	
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/8" air space.	25.24	
		For >50 To 200, Deduct	*-0.76*	
		For >200 To 400, Deduct	*-1.51*	
		For >400, Deduct	*-2.27*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.05*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.05*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.73*	
		For Argon Gas, Add	*3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 3/8" air space.	27.99	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.90*	
		For Argon Gas, Add	*3.85*	
08 81 23 13-0066	SF	1" Thick, Insulated Factory Installed Glass Note: Two 5/16" lites with 3/8" air space.	31.62	
		For >50 To 200, Deduct	*-0.95*	
		For >200 To 400, Deduct	*-1.90*	
		For >400, Deduct	*-2.85*	
		For Tinted Glass, Add	*4.74*	
		For Reflective Coated Glass, Add	*9.49*	
		For Low-E Coated Glass, Add	*7.91*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.32*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.32*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.44*	
		For Argon Gas, Add	*4.35*	
08 81 23 13-0067		1/2" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0068	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/2" air space.	25.24	
		For >50 To 200, Deduct	*-0.76*	
		For >200 To 400, Deduct	*-1.51*	
		For >400, Deduct	*-2.27*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.05*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.05*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.73*	
		For Argon Gas, Add	*3.47*	
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/2" air space.	27.99	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.90*	
		For Argon Gas, Add	*3.85*	
08 81 23 13-0070	SF	7/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	27.99	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.90*	
		For Argon Gas, Add	*3.85*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0071	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	30.61	
		For >50 To 200, Deduct	*-0.92*	
		For >200 To 400, Deduct	*-1.84*	
		For >400, Deduct	*-2.75*	
		For Tinted Glass, Add	*4.59*	
		For Reflective Coated Glass, Add	*9.18*	
		For Low-E Coated Glass, Add	*7.65*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.12*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.12*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.01*	
		For Argon Gas, Add	*4.21*	

08 81 23 13-0072 Laminated Insulated Glass, Factory Installed Glass *(08 81 23 13-0050)*

08 81 23 13-0073	SF	1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	85.72	
		For >50 To 200, Deduct	*-2.57*	
		For >200 To 400, Deduct	*-5.14*	
		For >400, Deduct	*-7.71*	
		For Tinted Glass, Add	*12.86*	
		For Reflective Coated Glass, Add	*25.72*	
		For Low-E Coated Glass, Add	*21.43*	
		For Argon Gas, Add	*11.79*	
08 81 23 13-0074	SF	1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	104.08	
		For >50 To 200, Deduct	*-3.12*	
		For >200 To 400, Deduct	*-6.24*	
		For >400, Deduct	*-9.37*	
		For Tinted Glass, Add	*15.61*	
		For Reflective Coated Glass, Add	*31.22*	
		For Low-E Coated Glass, Add	*26.02*	
		For Argon Gas, Add	*14.31*	
08 81 23 13-0075	SF	1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	122.44	
		For >50 To 200, Deduct	*-3.67*	
		For >200 To 400, Deduct	*-7.35*	
		For >400, Deduct	*-11.02*	
		For Tinted Glass, Add	*18.37*	
		For Reflective Coated Glass, Add	*36.73*	
		For Low-E Coated Glass, Add	*30.61*	
		For Argon Gas, Add	*16.84*	

08 81 23 23 Field Installed Glass Glazing *(08 81 23)*

Note: For replacement of existing glazing (use glass removal modifiers) and includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 23 23-0001 Heat Treated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0002 Tempered, Clear Float Field Installed Glass *(08 81 23 23-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0003	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	29.30	
		For >50 To 200, Deduct	*-1.86*	
		For >200 To 400, Deduct	*-3.39*	
		For >400, Deduct	*-4.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.22*	
		For Tinted Glass, Add	*3.25*	
		For Reflective Coated Glass, Add	*5.85*	
		For Low-E Coated Glass, Add	*3.25*	
08 81 23 23-0004	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	31.44	
		For >50 To 200, Deduct	*-2.00*	
		For >200 To 400, Deduct	*-3.64*	
		For >400, Deduct	*-4.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.16*	
		For Tinted Glass, Add	*3.48*	
		For Reflective Coated Glass, Add	*6.26*	
		For Low-E Coated Glass, Add	*3.48*	
08 81 23 23-0005	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	35.70	
		For >50 To 200, Deduct	*-2.20*	
		For >200 To 400, Deduct	*-4.02*	
		For >400, Deduct	*-5.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	
		For Tinted Glass, Add	*4.23*	
		For Reflective Coated Glass, Add	*7.61*	
		For Low-E Coated Glass, Add	*4.23*	
08 81 23 23-0006	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	49.45	
		For >50 To 200, Deduct	*-2.76*	
		For >200 To 400, Deduct	*-5.10*	
		For >400, Deduct	*-7.01*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.98*	
		For Tinted Glass, Add	*7.04*	
		For Reflective Coated Glass, Add	*12.67*	
		For Low-E Coated Glass, Add	*7.04*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0007	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	64.72	
		For >50 To 200, Deduct	*-3.37*	
		For >200 To 400, Deduct	*-6.26*	
		For >400, Deduct	*-8.68*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.86*	
		For Tinted Glass, Add	*10.23*	
		For Reflective Coated Glass, Add	*18.41*	
		For Low-E Coated Glass, Add	*10.23*	
08 81 23 23-0008	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	71.26	
		For >50 To 200, Deduct	*-3.72*	
		For >200 To 400, Deduct	*-6.91*	
		For >400, Deduct	*-9.57*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.74*	
		For Tinted Glass, Add	*11.24*	
		For Reflective Coated Glass, Add	*20.22*	
		For Low-E Coated Glass, Add	*11.24*	
08 81 23 23-0009	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	86.35	
		For >50 To 200, Deduct	*-4.55*	
		For >200 To 400, Deduct	*-8.44*	
		For >400, Deduct	*-11.68*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.44*	
		For Tinted Glass, Add	*13.44*	
		For Reflective Coated Glass, Add	*24.20*	
		For Low-E Coated Glass, Add	*13.44*	
08 81 23 23-0010	SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	105.27	
		For >50 To 200, Deduct	*-5.49*	
		For >200 To 400, Deduct	*-10.20*	
		For >400, Deduct	*-14.14*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*29.14*	
		For Tinted Glass, Add	*16.61*	
		For Reflective Coated Glass, Add	*29.89*	
		For Low-E Coated Glass, Add	*16.61*	

08 81 23 23-0011 Clear Float Field Installed Glass *(08 81 23 23)*

08 81 23 23-0012 Clear Float Field Installed Glass *(08 81 23 23-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0013	SF	1/8" Thick, Clear Float Field Installed Glass	25.03	
		For >50 To 200, Deduct	*-1.73*	
		For >200 To 400, Deduct	*-3.13*	
		For >400, Deduct	*-4.21*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.22*	
		For Tinted Glass, Add	*2.19*	
		For Reflective Coated Glass, Add	*3.93*	
		For Low-E Coated Glass, Add	*2.19*	
08 81 23 23-0014	SF	3/16" Thick, Clear Float Field Installed Glass	26.91	
		For >50 To 200, Deduct	*-1.86*	
		For >200 To 400, Deduct	*-3.37*	
		For >400, Deduct	*-4.53*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.16*	
		For Tinted Glass, Add	*2.34*	
		For Reflective Coated Glass, Add	*4.22*	
		For Low-E Coated Glass, Add	*2.34*	
08 81 23 23-0015	SF	1/4" Thick, Clear Float Field Installed Glass	30.15	
		For >50 To 200, Deduct	*-2.03*	
		For >200 To 400, Deduct	*-3.69*	
		For >400, Deduct	*-4.97*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	
		For Tinted Glass, Add	*2.84*	
		For Reflective Coated Glass, Add	*5.11*	
		For Low-E Coated Glass, Add	*2.84*	
08 81 23 23-0016	SF	5/16" Thick, Clear Float Field Installed Glass	40.19	
		For >50 To 200, Deduct	*-2.48*	
		For >200 To 400, Deduct	*-4.54*	
		For >400, Deduct	*-6.17*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.98*	
		For Tinted Glass, Add	*4.72*	
		For Reflective Coated Glass, Add	*8.50*	
		For Low-E Coated Glass, Add	*4.72*	
08 81 23 23-0017	SF	3/8" Thick, Clear Float Field Installed Glass	51.29	
		For >50 To 200, Deduct	*-2.97*	
		For >200 To 400, Deduct	*-5.46*	
		For >400, Deduct	*-7.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.86*	
		For Tinted Glass, Add	*6.87*	
		For Reflective Coated Glass, Add	*12.37*	
		For Low-E Coated Glass, Add	*6.87*	
08 81 23 23-0018	SF	1/2" Thick, Clear Float Field Installed Glass	56.52	
		For >50 To 200, Deduct	*-3.27*	
		For >200 To 400, Deduct	*-6.02*	
		For >400, Deduct	*-8.25*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.74*	
		For Tinted Glass, Add	*7.55*	
		For Reflective Coated Glass, Add	*13.59*	
		For Low-E Coated Glass, Add	*7.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0019	SF	5/8" Thick, Clear Float Field Installed Glass	68.71	
		For >50 To 200, Deduct	*-4.02*	
		For >200 To 400, Deduct	*-7.38*	
		For >400, Deduct	*-10.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.44*	
		For Tinted Glass, Add	*9.03*	
		For Reflective Coated Glass, Add	*16.26*	
		For Low-E Coated Glass, Add	*9.03*	
08 81 23 23-0020	SF	3/4" Thick, Clear Float Field Installed Glass	83.48	
		For >50 To 200, Deduct	*-4.84*	
		For >200 To 400, Deduct	*-8.89*	
		For >400, Deduct	*-12.18*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*29.14*	
		For Tinted Glass, Add	*11.16*	
		For Reflective Coated Glass, Add	*20.08*	
		For Low-E Coated Glass, Add	*11.16*	

08 81 23 23-0021 Patterned Field Installed Glass *(08 81 23 23)*

08 81 23 23-0022 Rough Obscure Field Installed Glass *(08 81 23 23-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 23-0023	SF	1/4" Thick, Rough Obscure Field Installed Glass	89.87	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	

08 81 23 23-0024 Patterned, Figured Field Installed Glass *(08 81 23 23-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 23 23-0025	SF	1/8" Thick, Patterned, Figured Field Installed Glass	59.47	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.22*	
08 81 23 23-0026	SF	7/32" Thick, Patterned, Figured Field Installed Glass	61.35	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.63*	

08 81 23 23-0027 Wired Field Installed Glass *(08 81 23 23)*

08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass *(08 81 23 23-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 23 23-0029	SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	130.55	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	
08 81 23 23-0030	SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	130.55	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	

08 81 23 23-0031 Polished, Wired Field Installed Glass *(08 81 23 23-0027)*

08 81 23 23-0032	SF	1/4" Thick, Polished, Wired Field Installed Glass	140.96	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	

08 81 23 23-0033 Frosted Field Installed Glass *(08 81 23 23)*

08 81 23 23-0034 Frosted Field Installed Glass *(08 81 23 23-0033)*

08 81 23 23-0035	SF	1/8" Thick, Frosted Field Installed Glass	72.79	
		For >50 To 200, Deduct	*-3.16*	
		For >200 To 400, Deduct	*-6.00*	
		For >400, Deduct	*-8.51*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.22*	
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	91.68	
		For >50 To 200, Deduct	*-3.80*	
		For >200 To 400, Deduct	*-7.25*	
		For >400, Deduct	*-10.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.16*	
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	112.50	
		For >50 To 200, Deduct	*-4.50*	
		For >200 To 400, Deduct	*-8.63*	
		For >400, Deduct	*-12.38*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	163.89	
		For >50 To 200, Deduct	*-6.35*	
		For >200 To 400, Deduct	*-12.21*	
		For >400, Deduct	*-17.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.86*	

08 81 23 23-0039 Fire Rated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0040 Fire Rated Field Installed Glass *(08 81 23 23-0039)*

08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	72.45	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.03*	
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	125.62	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.03*	
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	183.89	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.03*	
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	237.31	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.03*	

08 81 23 23-0045 Laminated Field Installed Glass *(08 81 23 23)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0046		Laminated Glass With PVB Interlayer, Field Installed Glass *(08 81 23 23-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	54.23	
		For >50 To 200, Deduct	*-2.75*	
		For >200 To 400, Deduct	*-5.13*	
		For >400, Deduct	*-7.14*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	
		For Tinted Glass, Add	*7.09*	
		For Reflective Coated Glass, Add	*10.63*	
		For Low-E Coated Glass, Add	*8.86*	
		For One Piece Heat Strengthened Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	68.05	
		For >50 To 200, Deduct	*-3.47*	
		For >200 To 400, Deduct	*-6.46*	
		For >400, Deduct	*-8.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.86*	
		For Tinted Glass, Add	*8.85*	
		For Reflective Coated Glass, Add	*13.27*	
		For Low-E Coated Glass, Add	*11.06*	
		For One Piece Heat Strengthened Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	77.43	
		For >50 To 200, Deduct	*-3.90*	
		For >200 To 400, Deduct	*-7.28*	
		For >400, Deduct	*-10.13*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.74*	
		For Tinted Glass, Add	*10.22*	
		For Reflective Coated Glass, Add	*15.33*	
		For Low-E Coated Glass, Add	*12.78*	
		For One Piece Heat Strengthened Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	86.95	
		For >50 To 200, Deduct	*-4.38*	
		For >200 To 400, Deduct	*-8.16*	
		For >400, Deduct	*-11.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*22.09*	
		For Tinted Glass, Add	*11.50*	
		For Reflective Coated Glass, Add	*17.25*	
		For Low-E Coated Glass, Add	*14.38*	
		For One Piece Heat Strengthened Glass, Add	*11.50*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*11.50*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0051		Insulated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0052		Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	42.85	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-2.55*	
		For >200 To 400, Deduct	*-4.68*	
		For >400, Deduct	*-6.38*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.79*	
		For Tinted Glass, Add	*3.27*	
		For Reflective Coated Glass, Add	*6.54*	
		For Low-E Coated Glass, Add	*5.45*	
		For One Piece Heat Strengthened Glass, Add	*4.36*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.36*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.00*	
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	45.75	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	*-2.69*	
		For >200 To 400, Deduct	*-4.94*	
		For >400, Deduct	*-6.75*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.45*	
		For Tinted Glass, Add	*3.57*	
		For Reflective Coated Glass, Add	*7.15*	
		For Low-E Coated Glass, Add	*5.96*	
		For One Piece Heat Strengthened Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	46.16	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-2.72*	
		For >200 To 400, Deduct	*-5.00*	
		For >400, Deduct	*-6.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.73*	
		For Tinted Glass, Add	*3.58*	
		For Reflective Coated Glass, Add	*7.16*	
		For Low-E Coated Glass, Add	*5.97*	
		For One Piece Heat Strengthened Glass, Add	*4.77*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.77*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.14*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	
08 81 23 23-0057		1/4" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	43.87	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.60*	
		For >200 To 400, Deduct	*-4.78*	
		For >400, Deduct	*-6.52*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.07*	
		For Tinted Glass, Add	*3.37*	
		For Reflective Coated Glass, Add	*6.73*	
		For Low-E Coated Glass, Add	*5.61*	
		For One Piece Heat Strengthened Glass, Add	*4.49*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.49*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.54*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.09*	
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	45.75	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.69*	
		For >200 To 400, Deduct	*-4.94*	
		For >400, Deduct	*-6.75*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.45*	
		For Tinted Glass, Add	*3.57*	
		For Reflective Coated Glass, Add	*7.15*	
		For Low-E Coated Glass, Add	*5.96*	
		For One Piece Heat Strengthened Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	47.48	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.83*	
		For >200 To 400, Deduct	*-5.19*	
		For >400, Deduct	*-7.08*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.54*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass	47.48	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	*-2.83*	
		For >200 To 400, Deduct	*-5.19*	
		For >400, Deduct	*-7.08*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.54*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/4" air space.	53.07	
		For >50 To 200, Deduct	*-3.12*	
		For >200 To 400, Deduct	*-5.74*	
		For >400, Deduct	*-7.84*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.15*	
		For Tinted Glass, Add	*4.13*	
		For Reflective Coated Glass, Add	*8.26*	
		For Low-E Coated Glass, Add	*6.89*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.51*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.51*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.70*	
		For Argon Gas, Add	*3.79*	
08 81 23 23-0063		3/8" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)* Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 3/8" air space.	47.48	
		For >50 To 200, Deduct	*-2.83*	
		For >200 To 400, Deduct	*-5.19*	
		For >400, Deduct	*-7.08*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.54*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.82*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.24*	
		For Argon Gas, Add	*3.31*	
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 3/8" air space.	50.77	
		For >50 To 200, Deduct	*-3.05*	
		For >200 To 400, Deduct	*-5.60*	
		For >400, Deduct	*-7.63*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.15*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.05*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.05*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.73*	
		For Argon Gas, Add	*3.47*	
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 3/8" air space.	54.06	
		For >50 To 200, Deduct	*-3.19*	
		For >200 To 400, Deduct	*-5.85*	
		For >400, Deduct	*-7.99*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.55*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.90*	
		For Argon Gas, Add	*3.85*	
08 81 23 23-0067	SF	1" Thick, Insulated Field Installed Glass Note: Two 5/16" lites with 3/8" air space.	57.94	
		For >50 To 200, Deduct	*-3.32*	
		For >200 To 400, Deduct	*-6.11*	
		For >400, Deduct	*-8.37*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.74*	
		For Tinted Glass, Add	*4.74*	
		For Reflective Coated Glass, Add	*9.49*	
		For Low-E Coated Glass, Add	*7.91*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.32*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.32*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.44*	
		For Argon Gas, Add	*4.35*	
08 81 23 23-0068		1/2" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)* Note: Type I, Class I, Quality Q3.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0069	SF	3/4" Thick, Insulated Field Installed Glass	50.77	
		Note: Two 1/8" lites with 1/2" air space.		
		For >50 To 200, Deduct	*-3.05*	
		For >200 To 400, Deduct	*-5.60*	
		For >400, Deduct	*-7.63*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.15*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.73*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.47*	
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass	54.06	
		Note: Two 3/16" lites with 1/2" air space.		
		For >50 To 200, Deduct	*-3.19*	
		For >200 To 400, Deduct	*-5.85*	
		For >400, Deduct	*-7.99*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.55*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.90*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.85*	
08 81 23 23-0071	SF	7/8" Thick, Insulated Field Installed Glass	54.06	
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
		For >50 To 200, Deduct	*-3.19*	
		For >200 To 400, Deduct	*-5.85*	
		For >400, Deduct	*-7.99*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.55*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.90*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.85*	
08 81 23 23-0072	SF	1" Thick, Insulated Field Installed Glass	56.93	
		Note: Two 1/4" lites with 1/2" air space.		
		For >50 To 200, Deduct	*-3.29*	
		For >200 To 400, Deduct	*-6.05*	
		For >400, Deduct	*-8.28*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.74*	
		For Tinted Glass, Add	*4.59*	
		For Reflective Coated Glass, Add	*9.18*	
		For Low-E Coated Glass, Add	*7.65*	
		For One Piece Heat Strengthened Glass, Add	*6.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*6.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*13.01*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.21*	

08 81 23 23-0073 Laminated Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*

08 81 23 23-0074	SF	1" Thick, Laminated Insulating Glass, Field Installed Glass	112.04	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For >50 To 200, Deduct	*-4.94*	
		For >200 To 400, Deduct	*-9.35*	
		For >400, Deduct	*-13.24*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.74*	
		For Tinted Glass, Add	*12.86*	
		For Reflective Coated Glass, Add	*25.72*	
		For Low-E Coated Glass, Add	*21.43*	
		For Argon Gas, Add	*11.79*	
08 81 23 23-0075	SF	1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass	134.16	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For >50 To 200, Deduct	*-5.83*	
		For >200 To 400, Deduct	*-11.06*	
		For >400, Deduct	*-15.68*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*22.56*	
		For Tinted Glass, Add	*15.61*	
		For Reflective Coated Glass, Add	*31.22*	
		For Low-E Coated Glass, Add	*26.02*	
		For Argon Gas, Add	*14.31*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0076	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	156.90	
		For >50 To 200, Deduct	*-6.77*	
		For >200 To 400, Deduct	*-12.86*	
		For >400, Deduct	*-18.26*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*25.85*	
		For Tinted Glass, Add	*18.37*	
		For Reflective Coated Glass, Add	*36.73*	
		For Low-E Coated Glass, Add	*30.61*	
		For Argon Gas, Add	*16.84*	

08 81 23 23-0077 Spandrel Field Installed Glass *(08 81 23 23)*

08 81 23 23-0078 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass *(08 81 23 23-0077)*

08 81 23 23-0079	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	44.49	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.67*	
08 81 23 23-0080	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	39.42	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.67*	

08 81 23 23-0081 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass *(08 81 23 23-0077)*

08 81 23 23-0082 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass *(08 81 23 23-0081)*
Note: Also with aluminum foil vapor barrier.

08 81 23 23-0083	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	49.76	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.67*	
08 81 23 23-0084	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	44.02	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.67*	

08 81 23 23-0085 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 23 23-0081)*

08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	59.73	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.67*	
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	48.45	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.67*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing *(08 83)*

08 83 13 00-0001 Mirror Glass *(08 83 13)*

08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	97.24	9.40
		For >50 To 200, Deduct	*-2.36*	
		For >200 To 400, Deduct	*-3.93*	
		For >400, Deduct	*-6.29*	

08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	136.37	9.40
		For >50 To 200, Deduct	*-3.53*	
		For >200 To 400, Deduct	*-5.89*	
		For >400, Deduct	*-9.42*	

08 83 13 00-0006 Clear Mirror Glass *(08 83 13 00-0001)*

08 83 13 00-0007	SF	1/8" Clear Mirror Glass	32.51	7.52
		For >50 To 200, Deduct	*-0.52*	
		For >200 To 400, Deduct	*-0.87*	
		For >400, Deduct	*-1.40*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	38.45	8.77
		For >50 To 200, Deduct	*-0.64*	
		For >200 To 400, Deduct	*-1.06*	
		For >400, Deduct	*-1.69*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	42.17	9.40
		For >50 To 200, Deduct	*-0.71*	
		For >200 To 400, Deduct	*-1.18*	
		For >400, Deduct	*-1.89*	

08 83 13 00-0010 Tempered, Clear Mirror Glass *(08 83 13 00-0001)*

08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	53.50	7.52
		For >50 To 200, Deduct	*-1.15*	
		For >200 To 400, Deduct	*-1.92*	
		For >400, Deduct	*-3.08*	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	60.73	8.77
		For >50 To 200, Deduct	*-1.30*	
		For >200 To 400, Deduct	*-2.17*	
		For >400, Deduct	*-3.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	67.00	9.40
		For >50 To 200, Deduct	*-1.45*	
		For >200 To 400, Deduct	*-2.42*	
		For >400, Deduct	*-3.87*	

08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing *(08 83 13 00-0001)*

08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	43.68	9.40
		For >50 To 200, Deduct	*-0.75*	
		For >200 To 400, Deduct	*-1.26*	
		For >400, Deduct	*-2.01*	

08 83 13 00-0016 Laminated Safety Mirror Glass *(08 83 13 00-0001)*

Note: Clear glass laminated to face of mirror with PVB interlayer.

08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	82.81	9.40
		For >50 To 200, Deduct	*-1.93*	
		For >200 To 400, Deduct	*-3.21*	
		For >400, Deduct	*-5.14*	

08 83 13 00-0018 Accessories For Mirror Glass *(08 83 13)*

08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	5.78
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	5.88
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	7.26
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	9.19

08 84 Plastic Glazing *(08 80)*

Note: Demolition (use glass removal modifiers) for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) *(08 84)*

See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.

08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	21.42	
		For >50 To 200, Deduct	*-0.48*	
		For >200 To 400, Deduct	*-0.96*	
		For >400, Deduct	*-1.44*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.82*	
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	22.55	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.03*	
		For >400, Deduct	*-1.54*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.28*	
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	26.70	
		For >50 To 200, Deduct	*-0.70*	
		For >200 To 400, Deduct	*-1.39*	
		For >400, Deduct	*-2.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.77*	
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	38.15	
		For >50 To 200, Deduct	*-1.25*	
		For >200 To 400, Deduct	*-2.50*	
		For >400, Deduct	*-3.75*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.14*	
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	48.08	
		For >50 To 200, Deduct	*-1.70*	
		For >200 To 400, Deduct	*-3.40*	
		For >400, Deduct	*-5.10*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	

08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) *(08 84)*

08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	31.55	
		For >50 To 200, Deduct	*-0.99*	
		For >200 To 400, Deduct	*-1.97*	
		For >400, Deduct	*-2.96*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.82*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	36.55	
		For >50 To 200, Deduct	*-1.21*	
		For >200 To 400, Deduct	*-2.43*	
		For >400, Deduct	*-3.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.28*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	38.60	
		For >50 To 200, Deduct	*-1.29*	
		For >200 To 400, Deduct	*-2.58*	
		For >400, Deduct	*-3.87*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.77*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	63.04	
		For >50 To 200, Deduct	*-2.50*	
		For >200 To 400, Deduct	*-4.99*	
		For >400, Deduct	*-7.49*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.14*	
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	66.97	
		For >50 To 200, Deduct	*-2.64*	
		For >200 To 400, Deduct	*-5.29*	
		For >400, Deduct	*-7.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0013		**Clear Acrylic Glazing (Plexiglas)** *(08 84)*		
08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	15.16	
		For >50 To 200, Deduct	*-0.19*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.58*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.28*	
		For Colored, Add	*0.78*	
		For Shatterproof, Add	*2.33*	
		For Mirrored, Add	*3.10*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	15.75	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.82*	
		For Colored, Add	*0.79*	
		For Shatterproof, Add	*2.36*	
		For Mirrored, Add	*3.14*	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	18.41	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.61*	
		For >400, Deduct	*-0.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.28*	
		For Colored, Add	*1.23*	
		For Shatterproof, Add	*3.68*	
		For Mirrored, Add	*4.90*	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	20.85	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.81*	
		For >400, Deduct	*-1.21*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.77*	
		For Colored, Add	*1.62*	
		For Shatterproof, Add	*4.85*	
		For Mirrored, Add	*6.46*	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	21.31	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.85*	
		For >400, Deduct	*-1.27*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.85*	
		For Colored, Add	*1.69*	
		For Shatterproof, Add	*5.08*	
		For Mirrored, Add	*6.77*	
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	21.99	
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.89*	
		For >400, Deduct	*-1.33*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.14*	
		For Colored, Add	*1.77*	
		For Shatterproof, Add	*5.31*	
		For Mirrored, Add	*7.08*	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	25.79	
		For >50 To 200, Deduct	*-0.59*	
		For >200 To 400, Deduct	*-1.17*	
		For >400, Deduct	*-1.76*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.09*	
		For Colored, Add	*2.34*	
		For Shatterproof, Add	*7.02*	
		For Mirrored, Add	*9.36*	
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	36.07	
		For >50 To 200, Deduct	*-0.91*	
		For >200 To 400, Deduct	*-1.82*	
		For >400, Deduct	*-2.73*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.84*	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	47.41	
		For >50 To 200, Deduct	*-1.40*	
		For >200 To 400, Deduct	*-2.80*	
		For >400, Deduct	*-4.20*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.38*	
08 84 00 00-0023		**Clear Polycarbonate Glazing (PolyGal)** *(08 84)*		
08 84 00 00-0024	SF	6mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	16.16	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.34*	
		For >400, Deduct	*-0.51*	
		For Colored, Add	*0.68*	
08 84 00 00-0025	SF	8mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	17.18	
		For >50 To 200, Deduct	*-0.22*	
		For >200 To 400, Deduct	*-0.43*	
		For >400, Deduct	*-0.65*	
		For Colored, Add	*0.87*	
08 84 00 00-0026	SF	10mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	18.15	
		For >50 To 200, Deduct	*-0.25*	
		For >200 To 400, Deduct	*-0.50*	
		For >400, Deduct	*-0.75*	
		For Colored, Add	*1.00*	
08 84 00 00-0027	SF	16mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	22.05	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.80*	
		For >400, Deduct	*-1.19*	
		For Colored, Add	*1.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0028	SF	8mm Thick, Polycoolite Polycarbonate Glazing (PolyGal)	18.82	
		For >50 To 200, Deduct	*-0.30*	
		For >200 To 400, Deduct	*-0.60*	
		For >400, Deduct	*-0.90*	
		For Colored, Add	*1.19*	
08 84 00 00-0029	SF	8mm Thick, Polyshade Polycarbonate Glazing (PolyGal)	17.86	
		For >50 To 200, Deduct	*-0.25*	
		For >200 To 400, Deduct	*-0.50*	
		For >400, Deduct	*-0.75*	
		For Colored, Add	*1.00*	
08 84 00 00-0030	SF	16mm Thick, Polyshade Polycarbonate Glazing (PolyGal)	25.79	
		For >50 To 200, Deduct	*-0.59*	
		For >200 To 400, Deduct	*-1.17*	
		For >400, Deduct	*-1.76*	
		For Colored, Add	*2.34*	

08 85 Glazing Accessories *(08 80)*

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

08 85 00 00-0001 Framing For Glass Windscreens *(08 85)*

Note: Excludes glazing.

08 85 00 00-0002	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	32.57	2.29
		For Bronze Anodized Aluminum, Add	*3.94*	
		For Stainless Steel, Add	*16.08*	
		For Black Anodized Finish, Add	*7.09*	
08 85 00 00-0003	LF	1-1/2" x 2" Aluminum Framed Window Walls	40.26	2.86
		For Bronze Anodized Aluminum, Add	*5.01*	
		For Stainless Steel, Add	*20.38*	
		For Black Anodized Finish, Add	*9.02*	
08 85 00 00-0004	LF	1-1/2" x 3" Aluminum Framed Window Walls	47.92	2.29
		For Bronze Anodized Aluminum, Add	*5.99*	
		For Stainless Steel, Add	*24.34*	
		For Black Anodized Finish, Add	*10.77*	
08 85 00 00-0005	LF	1-1/2" x 4" Aluminum Framed Window Walls	58.00	3.43
		For Bronze Anodized Aluminum, Add	*7.15*	
		For Stainless Steel, Add	*29.13*	
		For Black Anodized Finish, Add	*12.88*	
08 85 00 00-0006	LF	2" x 3" Aluminum Framed Window Walls	59.29	2.86
		For Bronze Anodized Aluminum, Add	*7.61*	
		For Stainless Steel, Add	*30.85*	
		For Black Anodized Finish, Add	*13.69*	
08 85 00 00-0007	LF	2" x 4" Aluminum Framed Window Walls	72.01	3.43
		For Bronze Anodized Aluminum, Add	*9.08*	
		For Stainless Steel, Add	*36.91*	
		For Black Anodized Finish, Add	*16.35*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Solar Control Window Films *(08 87 13)*

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	20% VLT, Bronze Window Tinting Film	11.52
08 87 13 00-0003	SF	50% VLT, Bronze Window Tinting Film	11.52
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	17.45
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	17.98

08 87 23 Safety and Security Films *(08 87)*

08 87 23 16 Security Films *(08 87 23)*

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	17.70	
		For >1,000 To 5,000, Deduct	*-0.82*	
		For >5,000, Deduct	*-1.12*	
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	18.70	
		For >1,000 To 5,000, Deduct	*-0.85*	
		For >5,000, Deduct	*-1.22*	
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	21.66	
		For >1,000 To 5,000, Deduct	*-0.96*	
		For >5,000, Deduct	*-1.51*	

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	19.81	
		For >1,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	19.81	
		For >1,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.33*	
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	19.81	
		For >1,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.33*	
08 87 23 16-0010		**Security And Safety Glazing Films** *(08 87 23 16)*		
		Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF	0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	16.59	
		For >1,000 To 5,000, Deduct	*-0.78*	
		For >5,000, Deduct	*-1.01*	
08 87 23 16-0012	SF	0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	16.85	
		For >1,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.03*	
08 87 23 16-0013	SF	0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	19.38	
		For >1,000 To 5,000, Deduct	*-0.88*	
		For >5,000, Deduct	*-1.28*	
08 87 23 16-0014		**Anti-Graffiti Glazing Films** *(08 87 23 16)*		
		Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	16.59	
		For >1,000 To 5,000, Deduct	*-0.78*	
		For >5,000, Deduct	*-1.01*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	16.85	
		For >1,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.03*	

08 88 Special Function Glazing *(08 80)*

08 88 49 Radiation-Resistant Glazing *(08 88)*

08 88 49 00-0001		**Leaded Glass (X-Ray Shielding)** *(08 88 49)*		
08 88 49 00-0002	SF	1/4" Thick Lead Glass With 1/16" Lead Equivalence	380.20	
		For Glass Removal And Preparing Opening For New Glazing, Add		*23.81*
08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Lead Equivalence	565.04	
		For Glass Removal And Preparing Opening For New Glazing, Add		*23.81*

08 88 53 Security Glazing *(08 88)*

08 88 53 00-0001		**Forced Entry And/or Ballistic Resistant All Glass Laminate** *(08 88 53)*		
08 88 53 00-0002		**Ballistic Resistant Glass** *(08 88 53 00-0001)*		
08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, Up To 15 SF	153.99	
		For Glass Removal And Preparing Opening For New Glazing, Add		*62.15*
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, >15 SF	179.84	
		For Glass Removal And Preparing Opening For New Glazing, Add		*62.15*
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, Up To 15 SF	203.94	
		For Glass Removal And Preparing Opening For New Glazing, Add		*70.18*
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, >15 SF	225.54	
		For Glass Removal And Preparing Opening For New Glazing, Add		*70.18*
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, Up To 15 SF	256.37	
		For Glass Removal And Preparing Opening For New Glazing, Add		*80.19*
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, >15 SF	273.73	
		For Glass Removal And Preparing Opening For New Glazing, Add		*80.19*
08 88 53 00-0009		**Forced Entry Resistant Glass** *(08 88 53 00-0001)*		
08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	56.18	
		For Glass Removal And Preparing Opening For New Glazing, Add		*15.66*
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	63.68	
		For Glass Removal And Preparing Opening For New Glazing, Add		*16.71*
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	72.52	
		For Glass Removal And Preparing Opening For New Glazing, Add		*17.90*
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	87.52	
		For Glass Removal And Preparing Opening For New Glazing, Add		*19.27*
08 88 53 00-0014		**Glass Clad Polycarbonate** *(08 88 53)*		
08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 Lb./SF	223.92	
		For Glass Removal And Preparing Opening For New Glazing, Add		*76.18*
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 Lb./SF	250.66	
		For Glass Removal And Preparing Opening For New Glazing, Add		*88.22*
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 Lb./SF	319.18	
		For Glass Removal And Preparing Opening For New Glazing, Add		*100.25*
08 88 53 00-0018		**Ballistic Resistant Acrylic** *(08 88 53)*		
08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 Lb./SF	237.29	
		For Glass Removal And Preparing Opening For New Glazing, Add		*76.18*
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 Lb./SF	277.40	
		For Glass Removal And Preparing Opening For New Glazing, Add		*88.22*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 Lb./SF	359.29	
		For Glass Removal And Preparing Opening For New Glazing, Add	*100.25*	
08 88 53 00-0022		**Ballistic Resistant Fiberglass** *(08 88 53)*		
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 Lb./SF	95.08	
		For Glass Removal And Preparing Opening For New Glazing, Add	*38.10*	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 Lb./SF	112.39	
		For Glass Removal And Preparing Opening For New Glazing, Add	*44.10*	
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 Lb./SF	127.50	
		For Glass Removal And Preparing Opening For New Glazing, Add	*50.12*	
08 88 53 00-0026		**Forced Entry And/or Ballistic Resistant Polycarbonate** *(08 88 53)*		
08 88 53 00-0027		**Forced Entry Resistant Monolithic Polycarbonate** *(08 88 53 00-0026)* Note: GE-Lexan MR10.		
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5).	131.42	
		For Glass Removal And Preparing Opening For New Glazing, Add	*60.75*	
08 88 53 00-0029		**Forced Entry Resistant Glass Clad Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01	162.48	
		For Glass Removal And Preparing Opening For New Glazing, Add	*75.18*	
08 88 53 00-0031		**Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).	199.12	
		For Glass Removal And Preparing Opening For New Glazing, Add	*80.19*	
08 88 53 00-0033		**Fire Resistant, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant.	218.10	
		For Glass Removal And Preparing Opening For New Glazing, Add	*85.21*	
08 88 53 00-0035		**Insulated, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace).	186.97	
		For Glass Removal And Preparing Opening For New Glazing, Add	*75.18*	
08 88 53 00-0037		**Ballistic And Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).	431.02	
		For Glass Removal And Preparing Opening For New Glazing, Add	*166.40*	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).	436.29	
		For Glass Removal And Preparing Opening For New Glazing, Add	*166.40*	
08 88 53 00-0040		**Ballistic Resistant Glass Clad Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).	286.96	
		For Glass Removal And Preparing Opening For New Glazing, Add	*112.27*	

08 90 Louvers and Vents *(08)*

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

08 91 13 00-0001		**Motorized Wall Louver Actuator** *(08 91 13)* See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	2,116.23	118.12
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	3,253.69	118.12
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	2,278.36	118.12
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	8,954.92	118.12

08 91 16 Operable Wall Louvers *(08 91)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0001		**Adjustable Intake Wall Louvers** *(08 91 16)* See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	583.14	31.27
		For Flange Frame, Add	*52.06*	
		For Clear Lacquer Finish, Add	*104.12*	
		For Baked Enamel Standard Colors, Add	*156.18*	
		For Anodized Finish, Add	*208.24*	
		For Kynar® Standard Colors Finish, Add	*286.33*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	728.77	38.22
		For Flange Frame, Add	*65.23*	
		For Clear Lacquer Finish, Add	*130.47*	
		For Baked Enamel Standard Colors, Add	*195.70*	
		For Anodized Finish, Add	*260.93*	
		For Kynar® Standard Colors Finish, Add	*358.78*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	861.73	45.17
		For Flange Frame, Add	*77.14*	
		For Clear Lacquer Finish, Add	*154.28*	
		For Baked Enamel Standard Colors, Add	*231.42*	
		For Anodized Finish, Add	*308.56*	
		For Kynar® Standard Colors Finish, Add	*424.27*	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,008.62	52.12
		For Flange Frame, Add	*90.44*	
		For Clear Lacquer Finish, Add	*180.88*	
		For Baked Enamel Standard Colors, Add	*271.32*	
		For Anodized Finish, Add	*361.76*	
		For Kynar® Standard Colors Finish, Add	*497.42*	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,136.51	59.07
		For Flange Frame, Add	*101.84*	
		For Clear Lacquer Finish, Add	*203.68*	
		For Baked Enamel Standard Colors, Add	*305.52*	
		For Anodized Finish, Add	*407.36*	
		For Kynar® Standard Colors Finish, Add	*560.11*	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,341.68	66.01
		For Flange Frame, Add	*120.97*	
		For Clear Lacquer Finish, Add	*241.93*	
		For Baked Enamel Standard Colors, Add	*362.90*	
		For Anodized Finish, Add	*483.86*	
		For Kynar® Standard Colors Finish, Add	*665.31*	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,529.11	72.96
		For Flange Frame, Add	*138.32*	
		For Clear Lacquer Finish, Add	*276.64*	
		For Baked Enamel Standard Colors, Add	*414.96*	
		For Anodized Finish, Add	*553.28*	
		For Kynar® Standard Colors Finish, Add	*760.75*	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,698.15	83.39
		For Flange Frame, Add	*153.14*	
		For Clear Lacquer Finish, Add	*306.28*	
		For Baked Enamel Standard Colors, Add	*459.42*	
		For Anodized Finish, Add	*612.56*	
		For Kynar® Standard Colors Finish, Add	*842.26*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,812.12	90.33
		For Flange Frame, Add	*163.15*	
		For Clear Lacquer Finish, Add	*326.29*	
		For Baked Enamel Standard Colors, Add	*489.44*	
		For Anodized Finish, Add	*652.58*	
		For Kynar® Standard Colors Finish, Add	*897.30*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,955.22	97.27
		For Flange Frame, Add	*176.07*	
		For Clear Lacquer Finish, Add	*352.13*	
		For Baked Enamel Standard Colors, Add	*528.20*	
		For Anodized Finish, Add	*704.26*	
		For Kynar® Standard Colors Finish, Add	*968.36*	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,080.58	104.22
		For Flange Frame, Add	*187.21*	
		For Clear Lacquer Finish, Add	*374.42*	
		For Baked Enamel Standard Colors, Add	*561.64*	
		For Anodized Finish, Add	*748.85*	
		For Kynar® Standard Colors Finish, Add	*1,029.67*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,241.41	111.17
		For Flange Frame, Add	*201.91*	
		For Clear Lacquer Finish, Add	*403.81*	
		For Baked Enamel Standard Colors, Add	*605.72*	
		For Anodized Finish, Add	*807.62*	
		For Kynar® Standard Colors Finish, Add	*1,110.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,395.91	118.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*215.97*	
		For Clear Lacquer Finish, Add	*431.93*	
		For Baked Enamel Standard Colors, Add	*647.90*	
		For Anodized Finish, Add	*863.86*	
		For Kynar® Standard Colors Finish, Add	*1,187.81*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,587.75	128.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*233.07*	
		For Clear Lacquer Finish, Add	*466.13*	
		For Baked Enamel Standard Colors, Add	*699.20*	
		For Anodized Finish, Add	*932.26*	
		For Kynar® Standard Colors Finish, Add	*1,281.86*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,728.92	138.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*245.10*	
		For Clear Lacquer Finish, Add	*490.20*	
		For Baked Enamel Standard Colors, Add	*735.30*	
		For Anodized Finish, Add	*980.40*	
		For Kynar® Standard Colors Finish, Add	*1,348.04*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	654.04	38.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*57.76*	
		For Clear Lacquer Finish, Add	*115.52*	
		For Baked Enamel Standard Colors, Add	*173.28*	
		For Anodized Finish, Add	*231.04*	
		For Kynar® Standard Colors Finish, Add	*317.68*	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	825.60	48.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*72.83*	
		For Clear Lacquer Finish, Add	*145.67*	
		For Baked Enamel Standard Colors, Add	*218.50*	
		For Anodized Finish, Add	*291.33*	
		For Kynar® Standard Colors Finish, Add	*400.58*	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	968.70	55.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*85.75*	
		For Clear Lacquer Finish, Add	*171.51*	
		For Baked Enamel Standard Colors, Add	*257.26*	
		For Anodized Finish, Add	*343.01*	
		For Kynar® Standard Colors Finish, Add	*471.64*	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,205.50	69.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*106.65*	
		For Clear Lacquer Finish, Add	*213.31*	
		For Baked Enamel Standard Colors, Add	*319.96*	
		For Anodized Finish, Add	*426.61*	
		For Kynar® Standard Colors Finish, Add	*586.59*	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,371.39	76.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*121.85*	
		For Clear Lacquer Finish, Add	*243.71*	
		For Baked Enamel Standard Colors, Add	*365.56*	
		For Anodized Finish, Add	*487.41*	
		For Kynar® Standard Colors Finish, Add	*670.19*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,537.29	83.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*137.05*	
		For Clear Lacquer Finish, Add	*274.11*	
		For Baked Enamel Standard Colors, Add	*411.16*	
		For Anodized Finish, Add	*548.21*	
		For Kynar® Standard Colors Finish, Add	*753.79*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,736.12	90.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*155.55*	
		For Clear Lacquer Finish, Add	*311.09*	
		For Baked Enamel Standard Colors, Add	*466.64*	
		For Anodized Finish, Add	*622.18*	
		For Kynar® Standard Colors Finish, Add	*855.50*	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,925.43	100.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*172.39*	
		For Clear Lacquer Finish, Add	*344.78*	
		For Baked Enamel Standard Colors, Add	*517.18*	
		For Anodized Finish, Add	*689.57*	
		For Kynar® Standard Colors Finish, Add	*948.16*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,076.74	111.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*185.44*	
		For Clear Lacquer Finish, Add	*370.88*	
		For Baked Enamel Standard Colors, Add	*556.32*	
		For Anodized Finish, Add	*741.76*	
		For Kynar® Standard Colors Finish, Add	*1,019.91*	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,222.37	118.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*198.61*	
		For Clear Lacquer Finish, Add	*397.22*	
		For Baked Enamel Standard Colors, Add	*595.84*	
		For Anodized Finish, Add	*794.45*	
		For Kynar® Standard Colors Finish, Add	*1,092.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,359.14	125.07
		For Flange Frame, Add	*210.90*	
		For Clear Lacquer Finish, Add	*421.80*	
		For Baked Enamel Standard Colors, Add	*632.70*	
		For Anodized Finish, Add	*843.60*	
		For Kynar® Standard Colors Finish, Add	*1,159.94*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,536.44	132.02
		For Flange Frame, Add	*227.24*	
		For Clear Lacquer Finish, Add	*454.48*	
		For Baked Enamel Standard Colors, Add	*681.72*	
		For Anodized Finish, Add	*908.96*	
		For Kynar® Standard Colors Finish, Add	*1,249.81*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,707.38	138.97
		For Flange Frame, Add	*242.95*	
		For Clear Lacquer Finish, Add	*485.89*	
		For Baked Enamel Standard Colors, Add	*728.84*	
		For Anodized Finish, Add	*971.78*	
		For Kynar® Standard Colors Finish, Add	*1,336.20*	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,915.70	149.39
		For Flange Frame, Add	*261.69*	
		For Clear Lacquer Finish, Add	*523.38*	
		For Baked Enamel Standard Colors, Add	*785.08*	
		For Anodized Finish, Add	*1,046.77*	
		For Kynar® Standard Colors Finish, Add	*1,439.31*	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,073.35	159.81
		For Flange Frame, Add	*275.37*	
		For Clear Lacquer Finish, Add	*550.74*	
		For Baked Enamel Standard Colors, Add	*826.12*	
		For Anodized Finish, Add	*1,101.49*	
		For Kynar® Standard Colors Finish, Add	*1,514.55*	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	731.26	45.17
		For Flange Frame, Add	*64.09*	
		For Clear Lacquer Finish, Add	*128.19*	
		For Baked Enamel Standard Colors, Add	*192.28*	
		For Anodized Finish, Add	*256.37*	
		For Kynar® Standard Colors Finish, Add	*352.51*	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	928.17	55.59
		For Flange Frame, Add	*81.70*	
		For Clear Lacquer Finish, Add	*163.40*	
		For Baked Enamel Standard Colors, Add	*245.10*	
		For Anodized Finish, Add	*326.80*	
		For Kynar® Standard Colors Finish, Add	*449.35*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,150.41	66.01
		For Flange Frame, Add	*101.84*	
		For Clear Lacquer Finish, Add	*203.68*	
		For Baked Enamel Standard Colors, Add	*305.52*	
		For Anodized Finish, Add	*407.36*	
		For Kynar® Standard Colors Finish, Add	*560.11*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,356.80	79.91
		For Flange Frame, Add	*119.70*	
		For Clear Lacquer Finish, Add	*239.40*	
		For Baked Enamel Standard Colors, Add	*359.10*	
		For Anodized Finish, Add	*478.80*	
		For Kynar® Standard Colors Finish, Add	*658.34*	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,539.17	86.86
		For Flange Frame, Add	*136.55*	
		For Clear Lacquer Finish, Add	*273.09*	
		For Baked Enamel Standard Colors, Add	*409.64*	
		For Anodized Finish, Add	*546.18*	
		For Kynar® Standard Colors Finish, Add	*751.00*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,731.67	93.80
		For Flange Frame, Add	*154.41*	
		For Clear Lacquer Finish, Add	*308.81*	
		For Baked Enamel Standard Colors, Add	*463.22*	
		For Anodized Finish, Add	*617.62*	
		For Kynar® Standard Colors Finish, Add	*849.23*	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,969.12	104.22
		For Flange Frame, Add	*176.07*	
		For Clear Lacquer Finish, Add	*352.13*	
		For Baked Enamel Standard Colors, Add	*528.20*	
		For Anodized Finish, Add	*704.26*	
		For Kynar® Standard Colors Finish, Add	*968.36*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,169.17	118.12
		For Flange Frame, Add	*193.29*	
		For Clear Lacquer Finish, Add	*386.58*	
		For Baked Enamel Standard Colors, Add	*579.88*	
		For Anodized Finish, Add	*773.17*	
		For Kynar® Standard Colors Finish, Add	*1,063.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,324.94	125.07
		For Flange Frame, Add	*207.48*	
		For Clear Lacquer Finish, Add	*414.96*	
		For Baked Enamel Standard Colors, Add	*622.44*	
		For Anodized Finish, Add	*829.92*	
		For Kynar® Standard Colors Finish, Add	*1,141.13*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,494.59	138.97
		For Flange Frame, Add	*221.67*	
		For Clear Lacquer Finish, Add	*443.33*	
		For Baked Enamel Standard Colors, Add	*665.00*	
		For Anodized Finish, Add	*886.66*	
		For Kynar® Standard Colors Finish, Add	*1,219.16*	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,652.88	145.92
		For Flange Frame, Add	*236.11*	
		For Clear Lacquer Finish, Add	*472.21*	
		For Baked Enamel Standard Colors, Add	*708.32*	
		For Anodized Finish, Add	*944.42*	
		For Kynar® Standard Colors Finish, Add	*1,298.58*	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,868.18	152.86
		For Flange Frame, Add	*256.25*	
		For Clear Lacquer Finish, Add	*512.49*	
		For Baked Enamel Standard Colors, Add	*768.74*	
		For Anodized Finish, Add	*1,024.98*	
		For Kynar® Standard Colors Finish, Add	*1,409.35*	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,050.55	159.81
		For Flange Frame, Add	*273.09*	
		For Clear Lacquer Finish, Add	*546.18*	
		For Baked Enamel Standard Colors, Add	*819.28*	
		For Anodized Finish, Add	*1,092.37*	
		For Kynar® Standard Colors Finish, Add	*1,502.01*	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,280.39	170.24
		For Flange Frame, Add	*293.99*	
		For Clear Lacquer Finish, Add	*587.98*	
		For Baked Enamel Standard Colors, Add	*881.98*	
		For Anodized Finish, Add	*1,175.97*	
		For Kynar® Standard Colors Finish, Add	*1,616.96*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,449.44	180.66
		For Flange Frame, Add	*308.81*	
		For Clear Lacquer Finish, Add	*617.62*	
		For Baked Enamel Standard Colors, Add	*926.44*	
		For Anodized Finish, Add	*1,235.25*	
		For Kynar® Standard Colors Finish, Add	*1,698.47*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	814.82	52.12
		For Flange Frame, Add	*71.06*	
		For Clear Lacquer Finish, Add	*142.12*	
		For Baked Enamel Standard Colors, Add	*213.18*	
		For Anodized Finish, Add	*284.24*	
		For Kynar® Standard Colors Finish, Add	*390.83*	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,085.17	69.49
		For Flange Frame, Add	*94.62*	
		For Clear Lacquer Finish, Add	*189.24*	
		For Baked Enamel Standard Colors, Add	*283.86*	
		For Anodized Finish, Add	*378.48*	
		For Kynar® Standard Colors Finish, Add	*520.41*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,288.40	79.91
		For Flange Frame, Add	*112.86*	
		For Clear Lacquer Finish, Add	*225.72*	
		For Baked Enamel Standard Colors, Add	*338.58*	
		For Anodized Finish, Add	*451.44*	
		For Kynar® Standard Colors Finish, Add	*620.72*	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,510.65	90.33
		For Flange Frame, Add	*133.00*	
		For Clear Lacquer Finish, Add	*266.00*	
		For Baked Enamel Standard Colors, Add	*399.00*	
		For Anodized Finish, Add	*532.00*	
		For Kynar® Standard Colors Finish, Add	*731.49*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,709.49	97.27
		For Flange Frame, Add	*151.49*	
		For Clear Lacquer Finish, Add	*302.99*	
		For Baked Enamel Standard Colors, Add	*454.48*	
		For Anodized Finish, Add	*605.97*	
		For Kynar® Standard Colors Finish, Add	*833.21*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,915.26	107.70
		For Flange Frame, Add	*169.99*	
		For Clear Lacquer Finish, Add	*339.97*	
		For Baked Enamel Standard Colors, Add	*509.96*	
		For Anodized Finish, Add	*679.94*	
		For Kynar® Standard Colors Finish, Add	*934.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,162.22	114.65
		For Flange Frame, Add	*193.29*	
		For Clear Lacquer Finish, Add	*386.58*	
		For Baked Enamel Standard Colors, Add	*579.88*	
		For Anodized Finish, Add	*773.17*	
		For Kynar® Standard Colors Finish, Add	*1,063.11*	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,373.07	125.07
		For Flange Frame, Add	*212.29*	
		For Clear Lacquer Finish, Add	*424.58*	
		For Baked Enamel Standard Colors, Add	*636.88*	
		For Anodized Finish, Add	*849.17*	
		For Kynar® Standard Colors Finish, Add	*1,167.61*	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,546.57	132.02
		For Flange Frame, Add	*228.25*	
		For Clear Lacquer Finish, Add	*456.50*	
		For Baked Enamel Standard Colors, Add	*684.76*	
		For Anodized Finish, Add	*913.01*	
		For Kynar® Standard Colors Finish, Add	*1,255.39*	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,736.48	145.92
		For Flange Frame, Add	*244.47*	
		For Clear Lacquer Finish, Add	*488.93*	
		For Baked Enamel Standard Colors, Add	*733.40*	
		For Anodized Finish, Add	*977.86*	
		For Kynar® Standard Colors Finish, Add	*1,344.56*	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,918.20	156.34
		For Flange Frame, Add	*260.55*	
		For Clear Lacquer Finish, Add	*521.10*	
		For Baked Enamel Standard Colors, Add	*781.66*	
		For Anodized Finish, Add	*1,042.21*	
		For Kynar® Standard Colors Finish, Add	*1,433.04*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,147.43	163.29
		For Flange Frame, Add	*282.09*	
		For Clear Lacquer Finish, Add	*564.17*	
		For Baked Enamel Standard Colors, Add	*846.26*	
		For Anodized Finish, Add	*1,128.34*	
		For Kynar® Standard Colors Finish, Add	*1,551.47*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,346.25	170.24
		For Flange Frame, Add	*300.58*	
		For Clear Lacquer Finish, Add	*601.16*	
		For Baked Enamel Standard Colors, Add	*901.73*	
		For Anodized Finish, Add	*1,202.31*	
		For Kynar® Standard Colors Finish, Add	*1,653.18*	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,587.50	180.66
		For Flange Frame, Add	*322.62*	
		For Clear Lacquer Finish, Add	*645.24*	
		For Baked Enamel Standard Colors, Add	*967.85*	
		For Anodized Finish, Add	*1,290.47*	
		For Kynar® Standard Colors Finish, Add	*1,774.40*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,779.35	191.08
		For Flange Frame, Add	*339.72*	
		For Clear Lacquer Finish, Add	*679.44*	
		For Baked Enamel Standard Colors, Add	*1,019.15*	
		For Anodized Finish, Add	*1,358.87*	
		For Kynar® Standard Colors Finish, Add	*1,868.45*	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	892.05	59.07
		For Flange Frame, Add	*77.39*	
		For Clear Lacquer Finish, Add	*154.79*	
		For Baked Enamel Standard Colors, Add	*232.18*	
		For Anodized Finish, Add	*309.57*	
		For Kynar® Standard Colors Finish, Add	*425.66*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,207.99	76.44
		For Flange Frame, Add	*105.51*	
		For Clear Lacquer Finish, Add	*211.03*	
		For Baked Enamel Standard Colors, Add	*316.54*	
		For Anodized Finish, Add	*422.05*	
		For Kynar® Standard Colors Finish, Add	*580.32*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,412.50	86.86
		For Flange Frame, Add	*123.88*	
		For Clear Lacquer Finish, Add	*247.76*	
		For Baked Enamel Standard Colors, Add	*371.64*	
		For Anodized Finish, Add	*495.52*	
		For Kynar® Standard Colors Finish, Add	*681.33*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,656.29	97.27
		For Flange Frame, Add	*146.17*	
		For Clear Lacquer Finish, Add	*292.35*	
		For Baked Enamel Standard Colors, Add	*438.52*	
		For Anodized Finish, Add	*584.69*	
		For Kynar® Standard Colors Finish, Add	*803.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,881.95	105.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*167.07*	
		For Clear Lacquer Finish, Add	*334.14*	
		For Baked Enamel Standard Colors, Add	*501.22*	
		For Anodized Finish, Add	*668.29*	
		For Kynar® Standard Colors Finish, Add	*918.90*	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	2,093.82	114.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*186.45*	
		For Clear Lacquer Finish, Add	*372.90*	
		For Baked Enamel Standard Colors, Add	*559.36*	
		For Anodized Finish, Add	*745.81*	
		For Kynar® Standard Colors Finish, Add	*1,025.49*	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	2,369.92	121.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*212.67*	
		For Clear Lacquer Finish, Add	*425.34*	
		For Baked Enamel Standard Colors, Add	*638.02*	
		For Anodized Finish, Add	*850.69*	
		For Kynar® Standard Colors Finish, Add	*1,169.70*	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,607.37	132.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*234.33*	
		For Clear Lacquer Finish, Add	*468.66*	
		For Baked Enamel Standard Colors, Add	*703.00*	
		For Anodized Finish, Add	*937.33*	
		For Kynar® Standard Colors Finish, Add	*1,288.83*	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,800.47	142.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*251.56*	
		For Clear Lacquer Finish, Add	*503.12*	
		For Baked Enamel Standard Colors, Add	*754.68*	
		For Anodized Finish, Add	*1,006.24*	
		For Kynar® Standard Colors Finish, Add	*1,383.57*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,998.65	152.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*269.29*	
		For Clear Lacquer Finish, Add	*538.58*	
		For Baked Enamel Standard Colors, Add	*807.88*	
		For Anodized Finish, Add	*1,077.17*	
		For Kynar® Standard Colors Finish, Add	*1,481.11*	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	3,203.16	163.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*287.66*	
		For Clear Lacquer Finish, Add	*575.32*	
		For Baked Enamel Standard Colors, Add	*862.97*	
		For Anodized Finish, Add	*1,150.63*	
		For Kynar® Standard Colors Finish, Add	*1,582.12*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	3,453.92	170.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*311.35*	
		For Clear Lacquer Finish, Add	*622.69*	
		For Baked Enamel Standard Colors, Add	*934.04*	
		For Anodized Finish, Add	*1,245.38*	
		For Kynar® Standard Colors Finish, Add	*1,712.40*	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,667.95	177.19
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*331.36*	
		For Clear Lacquer Finish, Add	*662.72*	
		For Baked Enamel Standard Colors, Add	*994.07*	
		For Anodized Finish, Add	*1,325.43*	
		For Kynar® Standard Colors Finish, Add	*1,822.47*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,940.87	187.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*356.57*	
		For Clear Lacquer Finish, Add	*713.13*	
		For Baked Enamel Standard Colors, Add	*1,069.70*	
		For Anodized Finish, Add	*1,426.26*	
		For Kynar® Standard Colors Finish, Add	*1,961.11*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	4,144.11	198.03
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*374.81*	
		For Clear Lacquer Finish, Add	*749.61*	
		For Baked Enamel Standard Colors, Add	*1,124.42*	
		For Anodized Finish, Add	*1,499.22*	
		For Kynar® Standard Colors Finish, Add	*2,061.43*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	1,021.22	66.01
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*88.92*	
		For Clear Lacquer Finish, Add	*177.84*	
		For Baked Enamel Standard Colors, Add	*266.76*	
		For Anodized Finish, Add	*355.68*	
		For Kynar® Standard Colors Finish, Add	*489.06*	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,302.95	83.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*113.62*	
		For Clear Lacquer Finish, Add	*227.24*	
		For Baked Enamel Standard Colors, Add	*340.86*	
		For Anodized Finish, Add	*454.48*	
		For Kynar® Standard Colors Finish, Add	*624.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,530.27	93.80
		For Flange Frame, Add	*134.27*	
		For Clear Lacquer Finish, Add	*268.53*	
		For Baked Enamel Standard Colors, Add	*402.80*	
		For Anodized Finish, Add	*537.06*	
		For Kynar® Standard Colors Finish, Add	*738.46*	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,789.86	107.70
		For Flange Frame, Add	*157.45*	
		For Clear Lacquer Finish, Add	*314.89*	
		For Baked Enamel Standard Colors, Add	*472.34*	
		For Anodized Finish, Add	*629.78*	
		For Kynar® Standard Colors Finish, Add	*865.95*	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,030.49	114.65
		For Flange Frame, Add	*180.12*	
		For Clear Lacquer Finish, Add	*360.24*	
		For Baked Enamel Standard Colors, Add	*540.36*	
		For Anodized Finish, Add	*720.48*	
		For Kynar® Standard Colors Finish, Add	*990.65*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,258.46	121.60
		For Flange Frame, Add	*201.53*	
		For Clear Lacquer Finish, Add	*403.05*	
		For Baked Enamel Standard Colors, Add	*604.58*	
		For Anodized Finish, Add	*806.10*	
		For Kynar® Standard Colors Finish, Add	*1,108.39*	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,558.62	128.54
		For Flange Frame, Add	*230.15*	
		For Clear Lacquer Finish, Add	*460.30*	
		For Baked Enamel Standard Colors, Add	*690.46*	
		For Anodized Finish, Add	*920.61*	
		For Kynar® Standard Colors Finish, Add	*1,265.84*	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,799.85	138.97
		For Flange Frame, Add	*252.19*	
		For Clear Lacquer Finish, Add	*504.38*	
		For Baked Enamel Standard Colors, Add	*756.58*	
		For Anodized Finish, Add	*1,008.77*	
		For Kynar® Standard Colors Finish, Add	*1,387.06*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,017.03	149.39
		For Flange Frame, Add	*271.83*	
		For Clear Lacquer Finish, Add	*543.65*	
		For Baked Enamel Standard Colors, Add	*815.48*	
		For Anodized Finish, Add	*1,087.30*	
		For Kynar® Standard Colors Finish, Add	*1,495.04*	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,220.28	159.81
		For Flange Frame, Add	*290.07*	
		For Clear Lacquer Finish, Add	*580.13*	
		For Baked Enamel Standard Colors, Add	*870.20*	
		For Anodized Finish, Add	*1,160.26*	
		For Kynar® Standard Colors Finish, Add	*1,595.36*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,442.52	170.24
		For Flange Frame, Add	*310.21*	
		For Clear Lacquer Finish, Add	*620.41*	
		For Baked Enamel Standard Colors, Add	*930.62*	
		For Anodized Finish, Add	*1,240.82*	
		For Kynar® Standard Colors Finish, Add	*1,706.13*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,712.29	177.19
		For Flange Frame, Add	*335.79*	
		For Clear Lacquer Finish, Add	*671.58*	
		For Baked Enamel Standard Colors, Add	*1,007.38*	
		For Anodized Finish, Add	*1,343.17*	
		For Kynar® Standard Colors Finish, Add	*1,846.86*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,946.58	184.13
		For Flange Frame, Add	*357.83*	
		For Clear Lacquer Finish, Add	*715.66*	
		For Baked Enamel Standard Colors, Add	*1,073.49*	
		For Anodized Finish, Add	*1,431.32*	
		For Kynar® Standard Colors Finish, Add	*1,968.07*	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,252.43	194.56
		For Flange Frame, Add	*386.33*	
		For Clear Lacquer Finish, Add	*772.66*	
		For Baked Enamel Standard Colors, Add	*1,158.99*	
		For Anodized Finish, Add	*1,545.32*	
		For Kynar® Standard Colors Finish, Add	*2,124.82*	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,464.54	204.98
		For Flange Frame, Add	*405.46*	
		For Clear Lacquer Finish, Add	*810.92*	
		For Baked Enamel Standard Colors, Add	*1,216.37*	
		For Anodized Finish, Add	*1,621.83*	
		For Kynar® Standard Colors Finish, Add	*2,230.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,104.78	72.96
		For Flange Frame, Add	*95.89*	
		For Clear Lacquer Finish, Add	*191.77*	
		For Baked Enamel Standard Colors, Add	*287.66*	
		For Anodized Finish, Add	*383.54*	
		For Kynar® Standard Colors Finish, Add	*527.37*	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,404.25	90.33
		For Flange Frame, Add	*122.36*	
		For Clear Lacquer Finish, Add	*244.72*	
		For Baked Enamel Standard Colors, Add	*367.08*	
		For Anodized Finish, Add	*489.44*	
		For Kynar® Standard Colors Finish, Add	*672.97*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,662.59	104.22
		For Flange Frame, Add	*145.41*	
		For Clear Lacquer Finish, Add	*290.83*	
		For Baked Enamel Standard Colors, Add	*436.24*	
		For Anodized Finish, Add	*581.65*	
		For Kynar® Standard Colors Finish, Add	*799.77*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,929.16	114.65
		For Flange Frame, Add	*169.99*	
		For Clear Lacquer Finish, Add	*339.97*	
		For Baked Enamel Standard Colors, Add	*509.96*	
		For Anodized Finish, Add	*679.94*	
		For Kynar® Standard Colors Finish, Add	*934.92*	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,195.12	121.60
		For Flange Frame, Add	*195.19*	
		For Clear Lacquer Finish, Add	*390.38*	
		For Baked Enamel Standard Colors, Add	*585.58*	
		For Anodized Finish, Add	*780.77*	
		For Kynar® Standard Colors Finish, Add	*1,073.56*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,452.22	128.54
		For Flange Frame, Add	*219.51*	
		For Clear Lacquer Finish, Add	*439.02*	
		For Baked Enamel Standard Colors, Add	*658.54*	
		For Anodized Finish, Add	*878.05*	
		For Kynar® Standard Colors Finish, Add	*1,207.32*	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,771.98	138.97
		For Flange Frame, Add	*249.41*	
		For Clear Lacquer Finish, Add	*498.81*	
		For Baked Enamel Standard Colors, Add	*748.22*	
		For Anodized Finish, Add	*997.62*	
		For Kynar® Standard Colors Finish, Add	*1,371.73*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,036.03	149.39
		For Flange Frame, Add	*273.73*	
		For Clear Lacquer Finish, Add	*547.45*	
		For Baked Enamel Standard Colors, Add	*821.18*	
		For Anodized Finish, Add	*1,094.90*	
		For Kynar® Standard Colors Finish, Add	*1,505.49*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,264.61	159.81
		For Flange Frame, Add	*294.50*	
		For Clear Lacquer Finish, Add	*589.00*	
		For Baked Enamel Standard Colors, Add	*883.49*	
		For Anodized Finish, Add	*1,177.99*	
		For Kynar® Standard Colors Finish, Add	*1,619.74*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,496.99	170.24
		For Flange Frame, Add	*315.65*	
		For Clear Lacquer Finish, Add	*631.30*	
		For Baked Enamel Standard Colors, Add	*946.96*	
		For Anodized Finish, Add	*1,262.61*	
		For Kynar® Standard Colors Finish, Add	*1,736.09*	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,724.30	180.66
		For Flange Frame, Add	*336.30*	
		For Clear Lacquer Finish, Add	*672.60*	
		For Baked Enamel Standard Colors, Add	*1,008.89*	
		For Anodized Finish, Add	*1,345.19*	
		For Kynar® Standard Colors Finish, Add	*1,849.64*	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,029.53	187.61
		For Flange Frame, Add	*365.43*	
		For Clear Lacquer Finish, Add	*730.86*	
		For Baked Enamel Standard Colors, Add	*1,096.29*	
		For Anodized Finish, Add	*1,461.72*	
		For Kynar® Standard Colors Finish, Add	*2,009.87*	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,282.83	194.56
		For Flange Frame, Add	*389.37*	
		For Clear Lacquer Finish, Add	*778.74*	
		For Baked Enamel Standard Colors, Add	*1,168.11*	
		For Anodized Finish, Add	*1,557.48*	
		For Kynar® Standard Colors Finish, Add	*2,141.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,595.65	201.51
		For Flange Frame, Add	*419.26*	
		For Clear Lacquer Finish, Add	*838.53*	
		For Baked Enamel Standard Colors, Add	*1,257.79*	
		For Anodized Finish, Add	*1,677.06*	
		For Kynar® Standard Colors Finish, Add	*2,305.95*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,829.30	211.93
		For Flange Frame, Add	*440.54*	
		For Clear Lacquer Finish, Add	*881.09*	
		For Baked Enamel Standard Colors, Add	*1,321.63*	
		For Anodized Finish, Add	*1,762.18*	
		For Kynar® Standard Colors Finish, Add	*2,422.99*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,282.69	83.39
		For Flange Frame, Add	*111.59*	
		For Clear Lacquer Finish, Add	*223.19*	
		For Baked Enamel Standard Colors, Add	*334.78*	
		For Anodized Finish, Add	*446.37*	
		For Kynar® Standard Colors Finish, Add	*613.76*	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,645.50	100.75
		For Flange Frame, Add	*144.40*	
		For Clear Lacquer Finish, Add	*288.80*	
		For Baked Enamel Standard Colors, Add	*433.20*	
		For Anodized Finish, Add	*577.60*	
		For Kynar® Standard Colors Finish, Add	*794.19*	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,928.51	118.12
		For Flange Frame, Add	*169.23*	
		For Clear Lacquer Finish, Add	*338.45*	
		For Baked Enamel Standard Colors, Add	*507.68*	
		For Anodized Finish, Add	*676.90*	
		For Kynar® Standard Colors Finish, Add	*930.74*	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,217.27	125.07
		For Flange Frame, Add	*196.71*	
		For Clear Lacquer Finish, Add	*393.42*	
		For Baked Enamel Standard Colors, Add	*590.14*	
		For Anodized Finish, Add	*786.85*	
		For Kynar® Standard Colors Finish, Add	*1,081.92*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,531.37	132.02
		For Flange Frame, Add	*226.73*	
		For Clear Lacquer Finish, Add	*453.46*	
		For Baked Enamel Standard Colors, Add	*680.20*	
		For Anodized Finish, Add	*906.93*	
		For Kynar® Standard Colors Finish, Add	*1,247.03*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,812.52	138.97
		For Flange Frame, Add	*253.46*	
		For Clear Lacquer Finish, Add	*506.92*	
		For Baked Enamel Standard Colors, Add	*760.38*	
		For Anodized Finish, Add	*1,013.84*	
		For Kynar® Standard Colors Finish, Add	*1,394.02*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,184.23	149.39
		For Flange Frame, Add	*288.55*	
		For Clear Lacquer Finish, Add	*577.09*	
		For Baked Enamel Standard Colors, Add	*865.64*	
		For Anodized Finish, Add	*1,154.18*	
		For Kynar® Standard Colors Finish, Add	*1,587.00*	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,545.81	159.81
		For Flange Frame, Add	*322.62*	
		For Clear Lacquer Finish, Add	*645.24*	
		For Baked Enamel Standard Colors, Add	*967.85*	
		For Anodized Finish, Add	*1,290.47*	
		For Kynar® Standard Colors Finish, Add	*1,774.40*	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,816.19	170.24
		For Flange Frame, Add	*347.57*	
		For Clear Lacquer Finish, Add	*695.14*	
		For Baked Enamel Standard Colors, Add	*1,042.72*	
		For Anodized Finish, Add	*1,390.29*	
		For Kynar® Standard Colors Finish, Add	*1,911.65*	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,082.77	180.66
		For Flange Frame, Add	*372.15*	
		For Clear Lacquer Finish, Add	*744.29*	
		For Baked Enamel Standard Colors, Add	*1,116.44*	
		For Anodized Finish, Add	*1,488.58*	
		For Kynar® Standard Colors Finish, Add	*2,046.80*	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,339.87	187.61
		For Flange Frame, Add	*396.47*	
		For Clear Lacquer Finish, Add	*792.93*	
		For Baked Enamel Standard Colors, Add	*1,189.40*	
		For Anodized Finish, Add	*1,585.86*	
		For Kynar® Standard Colors Finish, Add	*2,180.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,680.56	194.56
		For Flange Frame, Add	*429.14*	
		For Clear Lacquer Finish, Add	*858.29*	
		For Baked Enamel Standard Colors, Add	*1,287.43*	
		For Anodized Finish, Add	*1,716.58*	
		For Kynar® Standard Colors Finish, Add	*2,360.29*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,964.25	201.51
		For Flange Frame, Add	*456.12*	
		For Clear Lacquer Finish, Add	*912.25*	
		For Baked Enamel Standard Colors, Add	*1,368.37*	
		For Anodized Finish, Add	*1,824.50*	
		For Kynar® Standard Colors Finish, Add	*2,508.68*	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,330.28	208.46
		For Flange Frame, Add	*491.34*	
		For Clear Lacquer Finish, Add	*982.67*	
		For Baked Enamel Standard Colors, Add	*1,474.01*	
		For Anodized Finish, Add	*1,965.35*	
		For Kynar® Standard Colors Finish, Add	*2,702.35*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,603.20	218.88
		For Flange Frame, Add	*516.54*	
		For Clear Lacquer Finish, Add	*1,033.09*	
		For Baked Enamel Standard Colors, Add	*1,549.63*	
		For Anodized Finish, Add	*2,066.18*	
		For Kynar® Standard Colors Finish, Add	*2,840.99*	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,361.19	90.33
		For Flange Frame, Add	*118.05*	
		For Clear Lacquer Finish, Add	*236.11*	
		For Baked Enamel Standard Colors, Add	*354.16*	
		For Anodized Finish, Add	*472.21*	
		For Kynar® Standard Colors Finish, Add	*649.29*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,753.74	111.17
		For Flange Frame, Add	*153.14*	
		For Clear Lacquer Finish, Add	*306.28*	
		For Baked Enamel Standard Colors, Add	*459.42*	
		For Anodized Finish, Add	*612.56*	
		For Kynar® Standard Colors Finish, Add	*842.26*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,043.74	125.07
		For Flange Frame, Add	*179.36*	
		For Clear Lacquer Finish, Add	*358.72*	
		For Baked Enamel Standard Colors, Add	*538.08*	
		For Anodized Finish, Add	*717.44*	
		For Kynar® Standard Colors Finish, Add	*986.47*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,361.64	132.02
		For Flange Frame, Add	*209.76*	
		For Clear Lacquer Finish, Add	*419.52*	
		For Baked Enamel Standard Colors, Add	*629.28*	
		For Anodized Finish, Add	*839.04*	
		For Kynar® Standard Colors Finish, Add	*1,153.67*	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,694.07	142.44
		For Flange Frame, Add	*240.92*	
		For Clear Lacquer Finish, Add	*481.84*	
		For Baked Enamel Standard Colors, Add	*722.76*	
		For Anodized Finish, Add	*963.68*	
		For Kynar® Standard Colors Finish, Add	*1,325.05*	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,991.70	149.39
		For Flange Frame, Add	*269.29*	
		For Clear Lacquer Finish, Add	*538.58*	
		For Baked Enamel Standard Colors, Add	*807.88*	
		For Anodized Finish, Add	*1,077.17*	
		For Kynar® Standard Colors Finish, Add	*1,481.11*	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,390.01	159.81
		For Flange Frame, Add	*307.04*	
		For Clear Lacquer Finish, Add	*614.08*	
		For Baked Enamel Standard Colors, Add	*921.11*	
		For Anodized Finish, Add	*1,228.15*	
		For Kynar® Standard Colors Finish, Add	*1,688.71*	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,761.72	170.24
		For Flange Frame, Add	*342.13*	
		For Clear Lacquer Finish, Add	*684.25*	
		For Baked Enamel Standard Colors, Add	*1,026.38*	
		For Anodized Finish, Add	*1,368.50*	
		For Kynar® Standard Colors Finish, Add	*1,881.69*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,051.10	180.66
		For Flange Frame, Add	*368.98*	
		For Clear Lacquer Finish, Add	*737.96*	
		For Baked Enamel Standard Colors, Add	*1,106.93*	
		For Anodized Finish, Add	*1,475.91*	
		For Kynar® Standard Colors Finish, Add	*2,029.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,335.42	191.08
		For Flange Frame, Add	*395.33*	
		For Clear Lacquer Finish, Add	*790.65*	
		For Baked Enamel Standard Colors, Add	*1,185.98*	
		For Anodized Finish, Add	*1,581.30*	
		For Kynar® Standard Colors Finish, Add	*2,174.29*	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,608.97	198.03
		For Flange Frame, Add	*421.29*	
		For Clear Lacquer Finish, Add	*842.58*	
		For Baked Enamel Standard Colors, Add	*1,263.87*	
		For Anodized Finish, Add	*1,685.16*	
		For Kynar® Standard Colors Finish, Add	*2,317.10*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,978.80	204.98
		For Flange Frame, Add	*456.88*	
		For Clear Lacquer Finish, Add	*913.77*	
		For Baked Enamel Standard Colors, Add	*1,370.65*	
		For Anodized Finish, Add	*1,827.54*	
		For Kynar® Standard Colors Finish, Add	*2,512.86*	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,276.43	211.93
		For Flange Frame, Add	*485.26*	
		For Clear Lacquer Finish, Add	*970.51*	
		For Baked Enamel Standard Colors, Add	*1,455.77*	
		For Anodized Finish, Add	*1,941.03*	
		For Kynar® Standard Colors Finish, Add	*2,668.91*	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,661.47	218.88
		For Flange Frame, Add	*522.37*	
		For Clear Lacquer Finish, Add	*1,044.74*	
		For Baked Enamel Standard Colors, Add	*1,567.11*	
		For Anodized Finish, Add	*2,089.48*	
		For Kynar® Standard Colors Finish, Add	*2,873.04*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,943.89	225.83
		For Flange Frame, Add	*549.22*	
		For Clear Lacquer Finish, Add	*1,098.45*	
		For Baked Enamel Standard Colors, Add	*1,647.67*	
		For Anodized Finish, Add	*2,196.90*	
		For Kynar® Standard Colors Finish, Add	*3,020.73*	

08 91 16 00-0137 Adjustable Intake Wall Louvers Operators *(08 91 16)*

08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	343.09	34.74
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	759.93	13.90

08 91 19 Fixed Louvers *(08 91)*

08 91 19 00-0001 Fixed Intake Wall Louvers *(08 91 19)*

08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	445.07	31.27
		For Flange Frame, Add	*38.25*	
		For Clear Lacquer Finish, Add	*76.51*	
		For Baked Enamel Standard Colors, Add	*114.76*	
		For Anodized Finish, Add	*153.01*	
		For Kynar® Standard Colors Finish, Add	*210.39*	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	528.64	38.22
		For Flange Frame, Add	*45.22*	
		For Clear Lacquer Finish, Add	*90.44*	
		For Baked Enamel Standard Colors, Add	*135.66*	
		For Anodized Finish, Add	*180.88*	
		For Kynar® Standard Colors Finish, Add	*248.71*	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	613.46	45.17
		For Flange Frame, Add	*52.31*	
		For Clear Lacquer Finish, Add	*104.63*	
		For Baked Enamel Standard Colors, Add	*156.94*	
		For Anodized Finish, Add	*209.25*	
		For Kynar® Standard Colors Finish, Add	*287.72*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	719.82	52.12
		For Flange Frame, Add	*61.56*	
		For Clear Lacquer Finish, Add	*123.12*	
		For Baked Enamel Standard Colors, Add	*184.68*	
		For Anodized Finish, Add	*246.24*	
		For Kynar® Standard Colors Finish, Add	*338.58*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	809.72	59.07
		For Flange Frame, Add	*69.16*	
		For Clear Lacquer Finish, Add	*138.32*	
		For Baked Enamel Standard Colors, Add	*207.48*	
		For Anodized Finish, Add	*276.64*	
		For Kynar® Standard Colors Finish, Add	*380.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	955.35	66.01
		For Flange Frame, Add	*82.33*	
		For Clear Lacquer Finish, Add	*164.67*	
		For Baked Enamel Standard Colors, Add	*247.00*	
		For Anodized Finish, Add	*329.33*	
		For Kynar® Standard Colors Finish, Add	*452.83*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,035.12	72.96
		For Flange Frame, Add	*88.92*	
		For Clear Lacquer Finish, Add	*177.84*	
		For Baked Enamel Standard Colors, Add	*266.76*	
		For Anodized Finish, Add	*355.68*	
		For Kynar® Standard Colors Finish, Add	*489.06*	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,157.29	83.39
		For Flange Frame, Add	*99.05*	
		For Clear Lacquer Finish, Add	*198.11*	
		For Baked Enamel Standard Colors, Add	*297.16*	
		For Anodized Finish, Add	*396.21*	
		For Kynar® Standard Colors Finish, Add	*544.79*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,230.72	90.33
		For Flange Frame, Add	*105.01*	
		For Clear Lacquer Finish, Add	*210.01*	
		For Baked Enamel Standard Colors, Add	*315.02*	
		For Anodized Finish, Add	*420.02*	
		For Kynar® Standard Colors Finish, Add	*577.53*	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,330.75	97.27
		For Flange Frame, Add	*113.62*	
		For Clear Lacquer Finish, Add	*227.24*	
		For Baked Enamel Standard Colors, Add	*340.86*	
		For Anodized Finish, Add	*454.48*	
		For Kynar® Standard Colors Finish, Add	*624.90*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,418.12	104.22
		For Flange Frame, Add	*120.97*	
		For Clear Lacquer Finish, Add	*241.93*	
		For Baked Enamel Standard Colors, Add	*362.90*	
		For Anodized Finish, Add	*483.86*	
		For Kynar® Standard Colors Finish, Add	*665.31*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,521.94	111.17
		For Flange Frame, Add	*129.96*	
		For Clear Lacquer Finish, Add	*259.92*	
		For Baked Enamel Standard Colors, Add	*389.88*	
		For Anodized Finish, Add	*519.84*	
		For Kynar® Standard Colors Finish, Add	*714.77*	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,619.44	118.12
		For Flange Frame, Add	*138.32*	
		For Clear Lacquer Finish, Add	*276.64*	
		For Baked Enamel Standard Colors, Add	*414.96*	
		For Anodized Finish, Add	*553.28*	
		For Kynar® Standard Colors Finish, Add	*760.75*	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,706.16	128.54
		For Flange Frame, Add	*144.91*	
		For Clear Lacquer Finish, Add	*289.81*	
		For Baked Enamel Standard Colors, Add	*434.72*	
		For Anodized Finish, Add	*579.62*	
		For Kynar® Standard Colors Finish, Add	*796.98*	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,821.99	138.97
		For Flange Frame, Add	*154.41*	
		For Clear Lacquer Finish, Add	*308.81*	
		For Baked Enamel Standard Colors, Add	*463.22*	
		For Anodized Finish, Add	*617.62*	
		For Kynar® Standard Colors Finish, Add	*849.23*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	517.24	38.22
		For Flange Frame, Add	*44.08*	
		For Clear Lacquer Finish, Add	*88.16*	
		For Baked Enamel Standard Colors, Add	*132.24*	
		For Anodized Finish, Add	*176.32*	
		For Kynar® Standard Colors Finish, Add	*242.44*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	620.40	48.64
		For Flange Frame, Add	*52.31*	
		For Clear Lacquer Finish, Add	*104.63*	
		For Baked Enamel Standard Colors, Add	*156.94*	
		For Anodized Finish, Add	*209.25*	
		For Kynar® Standard Colors Finish, Add	*287.72*	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	719.17	55.59
		For Flange Frame, Add	*60.80*	
		For Clear Lacquer Finish, Add	*121.60*	
		For Baked Enamel Standard Colors, Add	*182.40*	
		For Anodized Finish, Add	*243.20*	
		For Kynar® Standard Colors Finish, Add	*334.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	901.50	69.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*76.25*	
		For Clear Lacquer Finish, Add	*152.51*	
		For Baked Enamel Standard Colors, Add	*228.76*	
		For Anodized Finish, Add	*305.01*	
		For Kynar® Standard Colors Finish, Add	*419.39*	
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,034.46	76.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*88.16*	
		For Clear Lacquer Finish, Add	*176.32*	
		For Baked Enamel Standard Colors, Add	*264.48*	
		For Anodized Finish, Add	*352.64*	
		For Kynar® Standard Colors Finish, Add	*484.88*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,152.22	83.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*98.55*	
		For Clear Lacquer Finish, Add	*197.09*	
		For Baked Enamel Standard Colors, Add	*295.64*	
		For Anodized Finish, Add	*394.18*	
		For Kynar® Standard Colors Finish, Add	*542.00*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,235.79	90.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*105.51*	
		For Clear Lacquer Finish, Add	*211.03*	
		For Baked Enamel Standard Colors, Add	*316.54*	
		For Anodized Finish, Add	*422.05*	
		For Kynar® Standard Colors Finish, Add	*580.32*	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,375.70	100.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*117.42*	
		For Clear Lacquer Finish, Add	*234.84*	
		For Baked Enamel Standard Colors, Add	*352.26*	
		For Anodized Finish, Add	*469.68*	
		For Kynar® Standard Colors Finish, Add	*645.80*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,473.81	111.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*125.15*	
		For Clear Lacquer Finish, Add	*250.29*	
		For Baked Enamel Standard Colors, Add	*375.44*	
		For Anodized Finish, Add	*500.58*	
		For Kynar® Standard Colors Finish, Add	*688.30*	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,601.71	118.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*136.55*	
		For Clear Lacquer Finish, Add	*273.09*	
		For Baked Enamel Standard Colors, Add	*409.64*	
		For Anodized Finish, Add	*546.18*	
		For Kynar® Standard Colors Finish, Add	*751.00*	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,699.21	125.07
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*144.91*	
		For Clear Lacquer Finish, Add	*289.81*	
		For Baked Enamel Standard Colors, Add	*434.72*	
		For Anodized Finish, Add	*579.62*	
		For Kynar® Standard Colors Finish, Add	*796.98*	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,808.11	132.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*154.41*	
		For Clear Lacquer Finish, Add	*308.81*	
		For Baked Enamel Standard Colors, Add	*463.22*	
		For Anodized Finish, Add	*617.62*	
		For Kynar® Standard Colors Finish, Add	*849.23*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,922.05	138.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*164.41*	
		For Clear Lacquer Finish, Add	*328.82*	
		For Baked Enamel Standard Colors, Add	*493.24*	
		For Anodized Finish, Add	*657.65*	
		For Kynar® Standard Colors Finish, Add	*904.27*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,022.70	149.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*172.39*	
		For Clear Lacquer Finish, Add	*344.78*	
		For Baked Enamel Standard Colors, Add	*517.18*	
		For Anodized Finish, Add	*689.57*	
		For Kynar® Standard Colors Finish, Add	*948.16*	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,162.62	159.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*184.30*	
		For Clear Lacquer Finish, Add	*368.60*	
		For Baked Enamel Standard Colors, Add	*552.90*	
		For Anodized Finish, Add	*737.20*	
		For Kynar® Standard Colors Finish, Add	*1,013.64*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	598.26	45.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*50.79*	
		For Clear Lacquer Finish, Add	*101.59*	
		For Baked Enamel Standard Colors, Add	*152.38*	
		For Anodized Finish, Add	*203.17*	
		For Kynar® Standard Colors Finish, Add	*279.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	712.83	55.59
		For Flange Frame, Add	*60.17*	
		For Clear Lacquer Finish, Add	*120.33*	
		For Baked Enamel Standard Colors, Add	*180.50*	
		For Anodized Finish, Add	*240.66*	
		For Kynar® Standard Colors Finish, Add	*330.91*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	883.15	66.01
		For Flange Frame, Add	*75.11*	
		For Clear Lacquer Finish, Add	*150.23*	
		For Baked Enamel Standard Colors, Add	*225.34*	
		For Anodized Finish, Add	*300.45*	
		For Kynar® Standard Colors Finish, Add	*413.12*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,041.41	79.91
		For Flange Frame, Add	*88.16*	
		For Clear Lacquer Finish, Add	*176.32*	
		For Baked Enamel Standard Colors, Add	*264.48*	
		For Anodized Finish, Add	*352.64*	
		For Kynar® Standard Colors Finish, Add	*484.88*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,192.10	86.86
		For Flange Frame, Add	*101.84*	
		For Clear Lacquer Finish, Add	*203.68*	
		For Baked Enamel Standard Colors, Add	*305.52*	
		For Anodized Finish, Add	*407.36*	
		For Kynar® Standard Colors Finish, Add	*560.11*	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,331.40	93.80
		For Flange Frame, Add	*114.38*	
		For Clear Lacquer Finish, Add	*228.76*	
		For Baked Enamel Standard Colors, Add	*343.14*	
		For Anodized Finish, Add	*457.52*	
		For Kynar® Standard Colors Finish, Add	*629.08*	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,447.25	104.22
		For Flange Frame, Add	*123.88*	
		For Clear Lacquer Finish, Add	*247.76*	
		For Baked Enamel Standard Colors, Add	*371.64*	
		For Anodized Finish, Add	*495.52*	
		For Kynar® Standard Colors Finish, Add	*681.33*	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,601.71	118.12
		For Flange Frame, Add	*136.55*	
		For Clear Lacquer Finish, Add	*273.09*	
		For Baked Enamel Standard Colors, Add	*409.64*	
		For Anodized Finish, Add	*546.18*	
		For Kynar® Standard Colors Finish, Add	*751.00*	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,704.28	125.07
		For Flange Frame, Add	*145.41*	
		For Clear Lacquer Finish, Add	*290.83*	
		For Baked Enamel Standard Colors, Add	*436.24*	
		For Anodized Finish, Add	*581.65*	
		For Kynar® Standard Colors Finish, Add	*799.77*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,872.65	138.97
		For Flange Frame, Add	*159.47*	
		For Clear Lacquer Finish, Add	*318.94*	
		For Baked Enamel Standard Colors, Add	*478.42*	
		For Anodized Finish, Add	*637.89*	
		For Kynar® Standard Colors Finish, Add	*877.10*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,979.02	145.92
		For Flange Frame, Add	*168.72*	
		For Clear Lacquer Finish, Add	*337.44*	
		For Baked Enamel Standard Colors, Add	*506.16*	
		For Anodized Finish, Add	*674.88*	
		For Kynar® Standard Colors Finish, Add	*927.95*	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,117.05	152.86
		For Flange Frame, Add	*181.13*	
		For Clear Lacquer Finish, Add	*362.26*	
		For Baked Enamel Standard Colors, Add	*543.40*	
		For Anodized Finish, Add	*724.53*	
		For Kynar® Standard Colors Finish, Add	*996.23*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,252.55	159.81
		For Flange Frame, Add	*193.29*	
		For Clear Lacquer Finish, Add	*386.58*	
		For Baked Enamel Standard Colors, Add	*579.88*	
		For Anodized Finish, Add	*773.17*	
		For Kynar® Standard Colors Finish, Add	*1,063.11*	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,355.73	170.24
		For Flange Frame, Add	*201.53*	
		For Clear Lacquer Finish, Add	*403.05*	
		For Baked Enamel Standard Colors, Add	*604.58*	
		For Anodized Finish, Add	*806.10*	
		For Kynar® Standard Colors Finish, Add	*1,108.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,526.04	180.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*216.47*	
		For Clear Lacquer Finish, Add	*432.94*	
		For Baked Enamel Standard Colors, Add	*649.42*	
		For Anodized Finish, Add	*865.89*	
		For Kynar® Standard Colors Finish, Add	*1,190.60*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	670.42	52.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*56.62*	
		For Clear Lacquer Finish, Add	*113.24*	
		For Baked Enamel Standard Colors, Add	*169.86*	
		For Anodized Finish, Add	*226.48*	
		For Kynar® Standard Colors Finish, Add	*311.41*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	867.30	69.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*72.83*	
		For Clear Lacquer Finish, Add	*145.67*	
		For Baked Enamel Standard Colors, Add	*218.50*	
		For Anodized Finish, Add	*291.33*	
		For Kynar® Standard Colors Finish, Add	*400.58*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,012.27	79.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*85.25*	
		For Clear Lacquer Finish, Add	*170.49*	
		For Baked Enamel Standard Colors, Add	*255.74*	
		For Anodized Finish, Add	*340.98*	
		For Kynar® Standard Colors Finish, Add	*468.85*	
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,181.32	90.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*100.07*	
		For Clear Lacquer Finish, Add	*200.13*	
		For Baked Enamel Standard Colors, Add	*300.20*	
		For Anodized Finish, Add	*400.26*	
		For Kynar® Standard Colors Finish, Add	*550.36*	
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,362.42	97.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*116.79*	
		For Clear Lacquer Finish, Add	*233.57*	
		For Baked Enamel Standard Colors, Add	*350.36*	
		For Anodized Finish, Add	*467.14*	
		For Kynar® Standard Colors Finish, Add	*642.32*	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,514.99	107.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*129.96*	
		For Clear Lacquer Finish, Add	*259.92*	
		For Baked Enamel Standard Colors, Add	*389.88*	
		For Anodized Finish, Add	*519.84*	
		For Kynar® Standard Colors Finish, Add	*714.77*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,628.96	114.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*139.97*	
		For Clear Lacquer Finish, Add	*279.93*	
		For Baked Enamel Standard Colors, Add	*419.90*	
		For Anodized Finish, Add	*559.86*	
		For Kynar® Standard Colors Finish, Add	*769.81*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,789.14	125.07
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*153.90*	
		For Clear Lacquer Finish, Add	*307.80*	
		For Baked Enamel Standard Colors, Add	*461.70*	
		For Anodized Finish, Add	*615.60*	
		For Kynar® Standard Colors Finish, Add	*846.44*	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,917.04	132.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*165.30*	
		For Clear Lacquer Finish, Add	*330.60*	
		For Baked Enamel Standard Colors, Add	*495.90*	
		For Anodized Finish, Add	*661.20*	
		For Kynar® Standard Colors Finish, Add	*909.14*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,112.02	145.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*182.02*	
		For Clear Lacquer Finish, Add	*364.04*	
		For Baked Enamel Standard Colors, Add	*546.06*	
		For Anodized Finish, Add	*728.08*	
		For Kynar® Standard Colors Finish, Add	*1,001.10*	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,236.74	156.34
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*192.41*	
		For Clear Lacquer Finish, Add	*384.81*	
		For Baked Enamel Standard Colors, Add	*577.22*	
		For Anodized Finish, Add	*769.62*	
		For Kynar® Standard Colors Finish, Add	*1,058.23*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,383.64	163.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*205.71*	
		For Clear Lacquer Finish, Add	*411.41*	
		For Baked Enamel Standard Colors, Add	*617.12*	
		For Anodized Finish, Add	*822.82*	
		For Kynar® Standard Colors Finish, Add	*1,131.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,529.26	170.24
		For Flange Frame, Add	*218.88*	
		For Clear Lacquer Finish, Add	*437.76*	
		For Baked Enamel Standard Colors, Add	*656.64*	
		For Anodized Finish, Add	*875.52*	
		For Kynar® Standard Colors Finish, Add	*1,203.83*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,651.44	180.66
		For Flange Frame, Add	*229.01*	
		For Clear Lacquer Finish, Add	*458.02*	
		For Baked Enamel Standard Colors, Add	*687.04*	
		For Anodized Finish, Add	*916.05*	
		For Kynar® Standard Colors Finish, Add	*1,259.57*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,844.56	191.08
		For Flange Frame, Add	*246.24*	
		For Clear Lacquer Finish, Add	*492.48*	
		For Baked Enamel Standard Colors, Add	*738.72*	
		For Anodized Finish, Add	*984.96*	
		For Kynar® Standard Colors Finish, Add	*1,354.31*	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	743.85	59.07
		For Flange Frame, Add	*62.57*	
		For Clear Lacquer Finish, Add	*125.15*	
		For Baked Enamel Standard Colors, Add	*187.72*	
		For Anodized Finish, Add	*250.29*	
		For Kynar® Standard Colors Finish, Add	*344.15*	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	976.19	76.44
		For Flange Frame, Add	*82.33*	
		For Clear Lacquer Finish, Add	*164.67*	
		For Baked Enamel Standard Colors, Add	*247.00*	
		For Anodized Finish, Add	*329.33*	
		For Kynar® Standard Colors Finish, Add	*452.83*	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,128.77	86.86
		For Flange Frame, Add	*95.51*	
		For Clear Lacquer Finish, Add	*191.01*	
		For Baked Enamel Standard Colors, Add	*286.52*	
		For Anodized Finish, Add	*382.02*	
		For Kynar® Standard Colors Finish, Add	*525.28*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,310.49	97.27
		For Flange Frame, Add	*111.59*	
		For Clear Lacquer Finish, Add	*223.19*	
		For Baked Enamel Standard Colors, Add	*334.78*	
		For Anodized Finish, Add	*446.37*	
		For Kynar® Standard Colors Finish, Add	*613.76*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,514.62	105.61
		For Flange Frame, Add	*130.34*	
		For Clear Lacquer Finish, Add	*260.68*	
		For Baked Enamel Standard Colors, Add	*391.02*	
		For Anodized Finish, Add	*521.36*	
		For Kynar® Standard Colors Finish, Add	*716.86*	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,673.29	114.65
		For Flange Frame, Add	*144.40*	
		For Clear Lacquer Finish, Add	*288.80*	
		For Baked Enamel Standard Colors, Add	*433.20*	
		For Anodized Finish, Add	*577.60*	
		For Kynar® Standard Colors Finish, Add	*794.19*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,810.06	121.60
		For Flange Frame, Add	*156.69*	
		For Clear Lacquer Finish, Add	*313.37*	
		For Baked Enamel Standard Colors, Add	*470.06*	
		For Anodized Finish, Add	*626.74*	
		For Kynar® Standard Colors Finish, Add	*861.77*	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,993.04	132.02
		For Flange Frame, Add	*172.90*	
		For Clear Lacquer Finish, Add	*345.80*	
		For Baked Enamel Standard Colors, Add	*518.70*	
		For Anodized Finish, Add	*691.60*	
		For Kynar® Standard Colors Finish, Add	*950.94*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,131.67	142.44
		For Flange Frame, Add	*184.68*	
		For Clear Lacquer Finish, Add	*369.36*	
		For Baked Enamel Standard Colors, Add	*554.04*	
		For Anodized Finish, Add	*738.72*	
		For Kynar® Standard Colors Finish, Add	*1,015.73*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,351.39	152.86
		For Flange Frame, Add	*204.57*	
		For Clear Lacquer Finish, Add	*409.13*	
		For Baked Enamel Standard Colors, Add	*613.70*	
		For Anodized Finish, Add	*818.26*	
		For Kynar® Standard Colors Finish, Add	*1,125.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,496.37	163.29
		For Flange Frame, Add	*216.98*	
		For Clear Lacquer Finish, Add	*433.96*	
		For Baked Enamel Standard Colors, Add	*650.94*	
		For Anodized Finish, Add	*867.92*	
		For Kynar® Standard Colors Finish, Add	*1,193.38*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,653.39	170.24
		For Flange Frame, Add	*231.29*	
		For Clear Lacquer Finish, Add	*462.58*	
		For Baked Enamel Standard Colors, Add	*693.88*	
		For Anodized Finish, Add	*925.17*	
		For Kynar® Standard Colors Finish, Add	*1,272.11*	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,816.76	177.19
		For Flange Frame, Add	*246.24*	
		For Clear Lacquer Finish, Add	*492.48*	
		For Baked Enamel Standard Colors, Add	*738.72*	
		For Anodized Finish, Add	*984.96*	
		For Kynar® Standard Colors Finish, Add	*1,354.31*	
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,956.67	187.61
		For Flange Frame, Add	*258.15*	
		For Clear Lacquer Finish, Add	*516.29*	
		For Baked Enamel Standard Colors, Add	*774.44*	
		For Anodized Finish, Add	*1,032.58*	
		For Kynar® Standard Colors Finish, Add	*1,419.80*	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,175.11	198.03
		For Flange Frame, Add	*277.91*	
		For Clear Lacquer Finish, Add	*555.81*	
		For Baked Enamel Standard Colors, Add	*833.72*	
		For Anodized Finish, Add	*1,111.62*	
		For Kynar® Standard Colors Finish, Add	*1,528.48*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	865.42	66.01
		For Flange Frame, Add	*73.34*	
		For Clear Lacquer Finish, Add	*146.68*	
		For Baked Enamel Standard Colors, Add	*220.02*	
		For Anodized Finish, Add	*293.36*	
		For Kynar® Standard Colors Finish, Add	*403.37*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,061.02	83.39
		For Flange Frame, Add	*89.43*	
		For Clear Lacquer Finish, Add	*178.85*	
		For Baked Enamel Standard Colors, Add	*268.28*	
		For Anodized Finish, Add	*357.70*	
		For Kynar® Standard Colors Finish, Add	*491.84*	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,230.07	93.80
		For Flange Frame, Add	*104.25*	
		For Clear Lacquer Finish, Add	*208.49*	
		For Baked Enamel Standard Colors, Add	*312.74*	
		For Anodized Finish, Add	*416.98*	
		For Kynar® Standard Colors Finish, Add	*573.35*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,438.99	107.70
		For Flange Frame, Add	*122.36*	
		For Clear Lacquer Finish, Add	*244.72*	
		For Baked Enamel Standard Colors, Add	*367.08*	
		For Anodized Finish, Add	*489.44*	
		For Kynar® Standard Colors Finish, Add	*672.97*	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,660.63	114.65
		For Flange Frame, Add	*143.13*	
		For Clear Lacquer Finish, Add	*286.27*	
		For Baked Enamel Standard Colors, Add	*429.40*	
		For Anodized Finish, Add	*572.53*	
		For Kynar® Standard Colors Finish, Add	*787.23*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,837.92	121.60
		For Flange Frame, Add	*159.47*	
		For Clear Lacquer Finish, Add	*318.94*	
		For Baked Enamel Standard Colors, Add	*478.42*	
		For Anodized Finish, Add	*637.89*	
		For Kynar® Standard Colors Finish, Add	*877.10*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,991.16	128.54
		For Flange Frame, Add	*173.41*	
		For Clear Lacquer Finish, Add	*346.81*	
		For Baked Enamel Standard Colors, Add	*520.22*	
		For Anodized Finish, Add	*693.62*	
		For Kynar® Standard Colors Finish, Add	*953.73*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,174.12	138.97
		For Flange Frame, Add	*189.62*	
		For Clear Lacquer Finish, Add	*379.24*	
		For Baked Enamel Standard Colors, Add	*568.86*	
		For Anodized Finish, Add	*758.48*	
		For Kynar® Standard Colors Finish, Add	*1,042.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,330.50	149.39
		For Flange Frame, Add	*203.17*	
		For Clear Lacquer Finish, Add	*406.34*	
		For Baked Enamel Standard Colors, Add	*609.52*	
		For Anodized Finish, Add	*812.69*	
		For Kynar® Standard Colors Finish, Add	*1,117.45*	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,574.28	159.81
		For Flange Frame, Add	*225.47*	
		For Clear Lacquer Finish, Add	*450.93*	
		For Baked Enamel Standard Colors, Add	*676.40*	
		For Anodized Finish, Add	*901.86*	
		For Kynar® Standard Colors Finish, Add	*1,240.06*	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,730.66	170.24
		For Flange Frame, Add	*239.02*	
		For Clear Lacquer Finish, Add	*478.04*	
		For Baked Enamel Standard Colors, Add	*717.06*	
		For Anodized Finish, Add	*956.08*	
		For Kynar® Standard Colors Finish, Add	*1,314.60*	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,907.96	177.19
		For Flange Frame, Add	*255.36*	
		For Clear Lacquer Finish, Add	*510.72*	
		For Baked Enamel Standard Colors, Add	*766.08*	
		For Anodized Finish, Add	*1,021.44*	
		For Kynar® Standard Colors Finish, Add	*1,404.47*	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,086.52	184.13
		For Flange Frame, Add	*271.83*	
		For Clear Lacquer Finish, Add	*543.65*	
		For Baked Enamel Standard Colors, Add	*815.48*	
		For Anodized Finish, Add	*1,087.30*	
		For Kynar® Standard Colors Finish, Add	*1,495.04*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,251.77	194.56
		For Flange Frame, Add	*286.27*	
		For Clear Lacquer Finish, Add	*572.53*	
		For Baked Enamel Standard Colors, Add	*858.80*	
		For Anodized Finish, Add	*1,145.06*	
		For Kynar® Standard Colors Finish, Add	*1,574.46*	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,486.68	204.98
		For Flange Frame, Add	*307.67*	
		For Clear Lacquer Finish, Add	*615.34*	
		For Baked Enamel Standard Colors, Add	*923.02*	
		For Anodized Finish, Add	*1,230.69*	
		For Kynar® Standard Colors Finish, Add	*1,692.20*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	946.45	72.96
		For Flange Frame, Add	*80.05*	
		For Clear Lacquer Finish, Add	*160.11*	
		For Baked Enamel Standard Colors, Add	*240.16*	
		For Anodized Finish, Add	*320.21*	
		For Kynar® Standard Colors Finish, Add	*440.29*	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,159.79	90.33
		For Flange Frame, Add	*97.91*	
		For Clear Lacquer Finish, Add	*195.83*	
		For Baked Enamel Standard Colors, Add	*293.74*	
		For Anodized Finish, Add	*391.65*	
		For Kynar® Standard Colors Finish, Add	*538.52*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,358.59	104.22
		For Flange Frame, Add	*115.01*	
		For Clear Lacquer Finish, Add	*230.03*	
		For Baked Enamel Standard Colors, Add	*345.04*	
		For Anodized Finish, Add	*460.05*	
		For Kynar® Standard Colors Finish, Add	*632.57*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,564.36	114.65
		For Flange Frame, Add	*133.51*	
		For Clear Lacquer Finish, Add	*267.01*	
		For Baked Enamel Standard Colors, Add	*400.52*	
		For Anodized Finish, Add	*534.02*	
		For Kynar® Standard Colors Finish, Add	*734.28*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,817.66	121.60
		For Flange Frame, Add	*157.45*	
		For Clear Lacquer Finish, Add	*314.89*	
		For Baked Enamel Standard Colors, Add	*472.34*	
		For Anodized Finish, Add	*629.78*	
		For Kynar® Standard Colors Finish, Add	*865.95*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,022.82	128.54
		For Flange Frame, Add	*176.57*	
		For Clear Lacquer Finish, Add	*353.14*	
		For Baked Enamel Standard Colors, Add	*529.72*	
		For Anodized Finish, Add	*706.29*	
		For Kynar® Standard Colors Finish, Add	*971.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,191.85	138.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*191.39*	
		For Clear Lacquer Finish, Add	*382.78*	
		For Baked Enamel Standard Colors, Add	*574.18*	
		For Anodized Finish, Add	*765.57*	
		For Kynar® Standard Colors Finish, Add	*1,052.66*	
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,458.44	149.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*215.97*	
		For Clear Lacquer Finish, Add	*431.93*	
		For Baked Enamel Standard Colors, Add	*647.90*	
		For Anodized Finish, Add	*863.86*	
		For Kynar® Standard Colors Finish, Add	*1,187.81*	
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,574.28	159.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*225.47*	
		For Clear Lacquer Finish, Add	*450.93*	
		For Baked Enamel Standard Colors, Add	*676.40*	
		For Anodized Finish, Add	*901.86*	
		For Kynar® Standard Colors Finish, Add	*1,240.06*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,834.52	170.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*249.41*	
		For Clear Lacquer Finish, Add	*498.81*	
		For Baked Enamel Standard Colors, Add	*748.22*	
		For Anodized Finish, Add	*997.62*	
		For Kynar® Standard Colors Finish, Add	*1,371.73*	
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,014.97	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*265.37*	
		For Clear Lacquer Finish, Add	*530.73*	
		For Baked Enamel Standard Colors, Add	*796.10*	
		For Anodized Finish, Add	*1,061.46*	
		For Kynar® Standard Colors Finish, Add	*1,459.51*	
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,212.54	187.61
		Note: Includes bird screen.		
		For Flange Frame, Add	*283.73*	
		For Clear Lacquer Finish, Add	*567.46*	
		For Baked Enamel Standard Colors, Add	*851.20*	
		For Anodized Finish, Add	*1,134.93*	
		For Kynar® Standard Colors Finish, Add	*1,560.53*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,410.10	194.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*302.10*	
		For Clear Lacquer Finish, Add	*604.20*	
		For Baked Enamel Standard Colors, Add	*906.29*	
		For Anodized Finish, Add	*1,208.39*	
		For Kynar® Standard Colors Finish, Add	*1,661.54*	
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,574.73	201.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*317.17*	
		For Clear Lacquer Finish, Add	*634.34*	
		For Baked Enamel Standard Colors, Add	*951.52*	
		For Anodized Finish, Add	*1,268.69*	
		For Kynar® Standard Colors Finish, Add	*1,744.45*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,845.11	211.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*342.13*	
		For Clear Lacquer Finish, Add	*684.25*	
		For Baked Enamel Standard Colors, Add	*1,026.38*	
		For Anodized Finish, Add	*1,368.50*	
		For Kynar® Standard Colors Finish, Add	*1,881.69*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,048.36	83.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*88.16*	
		For Clear Lacquer Finish, Add	*176.32*	
		For Baked Enamel Standard Colors, Add	*264.48*	
		For Anodized Finish, Add	*352.64*	
		For Kynar® Standard Colors Finish, Add	*484.88*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,287.04	100.75
		Note: Includes bird screen.		
		For Flange Frame, Add	*108.55*	
		For Clear Lacquer Finish, Add	*217.11*	
		For Baked Enamel Standard Colors, Add	*325.66*	
		For Anodized Finish, Add	*434.21*	
		For Kynar® Standard Colors Finish, Add	*597.04*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,506.71	118.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*127.05*	
		For Clear Lacquer Finish, Add	*254.09*	
		For Baked Enamel Standard Colors, Add	*381.14*	
		For Anodized Finish, Add	*508.18*	
		For Kynar® Standard Colors Finish, Add	*698.75*	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,727.08	125.07
		Note: Includes bird screen.		
		For Flange Frame, Add	*147.69*	
		For Clear Lacquer Finish, Add	*295.39*	
		For Baked Enamel Standard Colors, Add	*443.08*	
		For Anodized Finish, Add	*590.77*	
		For Kynar® Standard Colors Finish, Add	*812.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,029.77	132.02
		Note: Includes bird screen.		
		For Flange Frame, Add	*176.57*	
		For Clear Lacquer Finish, Add	*353.14*	
		For Baked Enamel Standard Colors, Add	*529.72*	
		For Anodized Finish, Add	*706.29*	
		For Kynar® Standard Colors Finish, Add	*971.15*	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,239.99	138.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*196.21*	
		For Clear Lacquer Finish, Add	*392.41*	
		For Baked Enamel Standard Colors, Add	*588.62*	
		For Anodized Finish, Add	*784.82*	
		For Kynar® Standard Colors Finish, Add	*1,079.13*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,438.17	149.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*213.94*	
		For Clear Lacquer Finish, Add	*427.88*	
		For Baked Enamel Standard Colors, Add	*641.82*	
		For Anodized Finish, Add	*855.76*	
		For Kynar® Standard Colors Finish, Add	*1,176.66*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,728.82	159.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*240.92*	
		For Clear Lacquer Finish, Add	*481.84*	
		For Baked Enamel Standard Colors, Add	*722.76*	
		For Anodized Finish, Add	*963.68*	
		For Kynar® Standard Colors Finish, Add	*1,325.05*	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,933.32	170.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*259.29*	
		For Clear Lacquer Finish, Add	*518.57*	
		For Baked Enamel Standard Colors, Add	*777.86*	
		For Anodized Finish, Add	*1,037.14*	
		For Kynar® Standard Colors Finish, Add	*1,426.07*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,237.90	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*287.66*	
		For Clear Lacquer Finish, Add	*575.32*	
		For Baked Enamel Standard Colors, Add	*862.97*	
		For Anodized Finish, Add	*1,150.63*	
		For Kynar® Standard Colors Finish, Add	*1,582.12*	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,434.20	187.61
		Note: Includes bird screen.		
		For Flange Frame, Add	*305.90*	
		For Clear Lacquer Finish, Add	*611.80*	
		For Baked Enamel Standard Colors, Add	*917.69*	
		For Anodized Finish, Add	*1,223.59*	
		For Kynar® Standard Colors Finish, Add	*1,682.44*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,658.37	194.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*326.93*	
		For Clear Lacquer Finish, Add	*653.85*	
		For Baked Enamel Standard Colors, Add	*980.78*	
		For Anodized Finish, Add	*1,307.70*	
		For Kynar® Standard Colors Finish, Add	*1,798.09*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,873.66	201.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*347.07*	
		For Clear Lacquer Finish, Add	*694.13*	
		For Baked Enamel Standard Colors, Add	*1,041.20*	
		For Anodized Finish, Add	*1,388.26*	
		For Kynar® Standard Colors Finish, Add	*1,908.86*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,052.22	208.46
		Note: Includes bird screen.		
		For Flange Frame, Add	*363.53*	
		For Clear Lacquer Finish, Add	*727.06*	
		For Baked Enamel Standard Colors, Add	*1,090.59*	
		For Anodized Finish, Add	*1,454.12*	
		For Kynar® Standard Colors Finish, Add	*1,999.42*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,366.94	218.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*392.92*	
		For Clear Lacquer Finish, Add	*785.84*	
		For Baked Enamel Standard Colors, Add	*1,178.75*	
		For Anodized Finish, Add	*1,571.67*	
		For Kynar® Standard Colors Finish, Add	*2,161.05*	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,126.86	90.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*94.62*	
		For Clear Lacquer Finish, Add	*189.24*	
		For Baked Enamel Standard Colors, Add	*283.86*	
		For Anodized Finish, Add	*378.48*	
		For Kynar® Standard Colors Finish, Add	*520.41*	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,390.21	111.17
		Note: Includes bird screen.		
		For Flange Frame, Add	*116.79*	
		For Clear Lacquer Finish, Add	*233.57*	
		For Baked Enamel Standard Colors, Add	*350.36*	
		For Anodized Finish, Add	*467.14*	
		For Kynar® Standard Colors Finish, Add	*642.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,615.61	125.07
		For Flange Frame, Add	*136.55*	
		For Clear Lacquer Finish, Add	*273.09*	
		For Baked Enamel Standard Colors, Add	*409.64*	
		For Anodized Finish, Add	*546.18*	
		For Kynar® Standard Colors Finish, Add	*751.00*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,870.17	132.02
		For Flange Frame, Add	*160.61*	
		For Clear Lacquer Finish, Add	*321.22*	
		For Baked Enamel Standard Colors, Add	*481.84*	
		For Anodized Finish, Add	*642.45*	
		For Kynar® Standard Colors Finish, Add	*883.37*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,186.14	142.44
		For Flange Frame, Add	*190.13*	
		For Clear Lacquer Finish, Add	*380.25*	
		For Baked Enamel Standard Colors, Add	*570.38*	
		For Anodized Finish, Add	*760.50*	
		For Kynar® Standard Colors Finish, Add	*1,045.69*	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,421.70	149.39
		For Flange Frame, Add	*212.29*	
		For Clear Lacquer Finish, Add	*424.58*	
		For Baked Enamel Standard Colors, Add	*636.88*	
		For Anodized Finish, Add	*849.17*	
		For Kynar® Standard Colors Finish, Add	*1,167.61*	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,628.75	159.81
		For Flange Frame, Add	*230.91*	
		For Clear Lacquer Finish, Add	*461.82*	
		For Baked Enamel Standard Colors, Add	*692.74*	
		For Anodized Finish, Add	*923.65*	
		For Kynar® Standard Colors Finish, Add	*1,270.02*	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,939.66	170.24
		For Flange Frame, Add	*259.92*	
		For Clear Lacquer Finish, Add	*519.84*	
		For Baked Enamel Standard Colors, Add	*779.76*	
		For Anodized Finish, Add	*1,039.68*	
		For Kynar® Standard Colors Finish, Add	*1,429.55*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,159.37	180.66
		For Flange Frame, Add	*279.81*	
		For Clear Lacquer Finish, Add	*559.61*	
		For Baked Enamel Standard Colors, Add	*839.42*	
		For Anodized Finish, Add	*1,119.22*	
		For Kynar® Standard Colors Finish, Add	*1,538.93*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,489.29	191.08
		For Flange Frame, Add	*310.71*	
		For Clear Lacquer Finish, Add	*621.42*	
		For Baked Enamel Standard Colors, Add	*932.14*	
		For Anodized Finish, Add	*1,242.85*	
		For Kynar® Standard Colors Finish, Add	*1,708.92*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,698.24	198.03
		For Flange Frame, Add	*330.22*	
		For Clear Lacquer Finish, Add	*660.44*	
		For Baked Enamel Standard Colors, Add	*990.65*	
		For Anodized Finish, Add	*1,320.87*	
		For Kynar® Standard Colors Finish, Add	*1,816.20*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,936.34	204.98
		For Flange Frame, Add	*352.64*	
		For Clear Lacquer Finish, Add	*705.28*	
		For Baked Enamel Standard Colors, Add	*1,057.91*	
		For Anodized Finish, Add	*1,410.55*	
		For Kynar® Standard Colors Finish, Add	*1,939.51*	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,169.37	211.93
		For Flange Frame, Add	*374.55*	
		For Clear Lacquer Finish, Add	*749.10*	
		For Baked Enamel Standard Colors, Add	*1,123.65*	
		For Anodized Finish, Add	*1,498.20*	
		For Kynar® Standard Colors Finish, Add	*2,060.03*	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,366.94	218.88
		For Flange Frame, Add	*392.92*	
		For Clear Lacquer Finish, Add	*785.84*	
		For Baked Enamel Standard Colors, Add	*1,178.75*	
		For Anodized Finish, Add	*1,571.67*	
		For Kynar® Standard Colors Finish, Add	*2,161.05*	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,696.23	225.83
		For Flange Frame, Add	*424.46*	
		For Clear Lacquer Finish, Add	*848.92*	
		For Baked Enamel Standard Colors, Add	*1,273.37*	
		For Anodized Finish, Add	*1,697.83*	
		For Kynar® Standard Colors Finish, Add	*2,334.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,299.09	97.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*110.45*	
		For Clear Lacquer Finish, Add	*220.91*	
		For Baked Enamel Standard Colors, Add	*331.36*	
		For Anodized Finish, Add	*441.81*	
		For Kynar® Standard Colors Finish, Add	*607.49*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,606.78	118.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*137.05*	
		For Clear Lacquer Finish, Add	*274.11*	
		For Baked Enamel Standard Colors, Add	*411.16*	
		For Anodized Finish, Add	*548.21*	
		For Kynar® Standard Colors Finish, Add	*753.79*	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,872.65	138.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*159.47*	
		For Clear Lacquer Finish, Add	*318.94*	
		For Baked Enamel Standard Colors, Add	*478.42*	
		For Anodized Finish, Add	*637.89*	
		For Kynar® Standard Colors Finish, Add	*877.10*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,150.02	145.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*185.82*	
		For Clear Lacquer Finish, Add	*371.64*	
		For Baked Enamel Standard Colors, Add	*557.46*	
		For Anodized Finish, Add	*743.28*	
		For Kynar® Standard Colors Finish, Add	*1,022.00*	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,518.59	152.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*221.29*	
		For Clear Lacquer Finish, Add	*442.57*	
		For Baked Enamel Standard Colors, Add	*663.86*	
		For Anodized Finish, Add	*885.14*	
		For Kynar® Standard Colors Finish, Add	*1,217.07*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,775.68	159.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*245.61*	
		For Clear Lacquer Finish, Add	*491.21*	
		For Baked Enamel Standard Colors, Add	*736.82*	
		For Anodized Finish, Add	*982.42*	
		For Kynar® Standard Colors Finish, Add	*1,350.83*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,023.26	170.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*268.28*	
		For Clear Lacquer Finish, Add	*536.56*	
		For Baked Enamel Standard Colors, Add	*804.84*	
		For Anodized Finish, Add	*1,073.12*	
		For Kynar® Standard Colors Finish, Add	*1,475.53*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,313.90	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*295.26*	
		For Clear Lacquer Finish, Add	*590.52*	
		For Baked Enamel Standard Colors, Add	*885.77*	
		For Anodized Finish, Add	*1,181.03*	
		For Kynar® Standard Colors Finish, Add	*1,623.92*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,560.22	191.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*317.81*	
		For Clear Lacquer Finish, Add	*635.61*	
		For Baked Enamel Standard Colors, Add	*953.42*	
		For Anodized Finish, Add	*1,271.22*	
		For Kynar® Standard Colors Finish, Add	*1,747.93*	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,938.87	204.98
		Note: Includes bird screen.		
		For Flange Frame, Add	*352.89*	
		For Clear Lacquer Finish, Add	*705.78*	
		For Baked Enamel Standard Colors, Add	*1,058.67*	
		For Anodized Finish, Add	*1,411.56*	
		For Kynar® Standard Colors Finish, Add	*1,940.90*	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,176.32	215.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*374.55*	
		For Clear Lacquer Finish, Add	*749.10*	
		For Baked Enamel Standard Colors, Add	*1,123.65*	
		For Anodized Finish, Add	*1,498.20*	
		For Kynar® Standard Colors Finish, Add	*2,060.03*	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,428.35	222.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*398.37*	
		For Clear Lacquer Finish, Add	*796.73*	
		For Baked Enamel Standard Colors, Add	*1,195.10*	
		For Anodized Finish, Add	*1,593.46*	
		For Kynar® Standard Colors Finish, Add	*2,191.01*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,685.43	229.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*422.68*	
		For Clear Lacquer Finish, Add	*845.37*	
		For Baked Enamel Standard Colors, Add	*1,268.05*	
		For Anodized Finish, Add	*1,690.74*	
		For Kynar® Standard Colors Finish, Add	*2,324.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,908.33	236.25
		For Flange Frame, Add	*443.58*	
		For Clear Lacquer Finish, Add	*887.17*	
		For Baked Enamel Standard Colors, Add	*1,330.75*	
		For Anodized Finish, Add	*1,774.34*	
		For Kynar® Standard Colors Finish, Add	*2,439.71*	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,275.63	243.20
		For Flange Frame, Add	*478.92*	
		For Clear Lacquer Finish, Add	*957.85*	
		For Baked Enamel Standard Colors, Add	*1,436.77*	
		For Anodized Finish, Add	*1,915.70*	
		For Kynar® Standard Colors Finish, Add	*2,634.08*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,371.25	104.22
		For Flange Frame, Add	*116.28*	
		For Clear Lacquer Finish, Add	*232.56*	
		For Baked Enamel Standard Colors, Add	*348.84*	
		For Anodized Finish, Add	*465.12*	
		For Kynar® Standard Colors Finish, Add	*639.53*	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,694.14	125.07
		For Flange Frame, Add	*144.40*	
		For Clear Lacquer Finish, Add	*288.80*	
		For Baked Enamel Standard Colors, Add	*433.20*	
		For Anodized Finish, Add	*577.60*	
		For Kynar® Standard Colors Finish, Add	*794.19*	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,973.95	145.92
		For Flange Frame, Add	*168.21*	
		For Clear Lacquer Finish, Add	*336.42*	
		For Baked Enamel Standard Colors, Add	*504.64*	
		For Anodized Finish, Add	*672.85*	
		For Kynar® Standard Colors Finish, Add	*925.17*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,274.74	156.34
		For Flange Frame, Add	*196.21*	
		For Clear Lacquer Finish, Add	*392.41*	
		For Baked Enamel Standard Colors, Add	*588.62*	
		For Anodized Finish, Add	*784.82*	
		For Kynar® Standard Colors Finish, Add	*1,079.13*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,669.90	163.29
		For Flange Frame, Add	*234.33*	
		For Clear Lacquer Finish, Add	*468.66*	
		For Baked Enamel Standard Colors, Add	*703.00*	
		For Anodized Finish, Add	*937.33*	
		For Kynar® Standard Colors Finish, Add	*1,288.83*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,940.92	170.24
		For Flange Frame, Add	*260.05*	
		For Clear Lacquer Finish, Add	*520.09*	
		For Baked Enamel Standard Colors, Add	*780.14*	
		For Anodized Finish, Add	*1,040.18*	
		For Kynar® Standard Colors Finish, Add	*1,430.25*	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,204.97	180.66
		For Flange Frame, Add	*284.37*	
		For Clear Lacquer Finish, Add	*568.73*	
		For Baked Enamel Standard Colors, Add	*853.10*	
		For Anodized Finish, Add	*1,137.46*	
		For Kynar® Standard Colors Finish, Add	*1,564.01*	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,505.14	187.61
		For Flange Frame, Add	*312.99*	
		For Clear Lacquer Finish, Add	*625.98*	
		For Baked Enamel Standard Colors, Add	*938.98*	
		For Anodized Finish, Add	*1,251.97*	
		For Kynar® Standard Colors Finish, Add	*1,721.46*	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,762.84	198.03
		For Flange Frame, Add	*336.68*	
		For Clear Lacquer Finish, Add	*673.36*	
		For Baked Enamel Standard Colors, Add	*1,010.03*	
		For Anodized Finish, Add	*1,346.71*	
		For Kynar® Standard Colors Finish, Add	*1,851.73*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,176.32	215.40
		For Flange Frame, Add	*374.55*	
		For Clear Lacquer Finish, Add	*749.10*	
		For Baked Enamel Standard Colors, Add	*1,123.65*	
		For Anodized Finish, Add	*1,498.20*	
		For Kynar® Standard Colors Finish, Add	*2,060.03*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,437.83	225.83
		For Flange Frame, Add	*398.62*	
		For Clear Lacquer Finish, Add	*797.24*	
		For Baked Enamel Standard Colors, Add	*1,195.85*	
		For Anodized Finish, Add	*1,594.47*	
		For Kynar® Standard Colors Finish, Add	*2,192.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,697.45	232.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*423.19*	
		For Clear Lacquer Finish, Add	*846.38*	
		For Baked Enamel Standard Colors, Add	*1,269.57*	
		For Anodized Finish, Add	*1,692.76*	
		For Kynar® Standard Colors Finish, Add	*2,327.55*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,960.88	239.73
		Note: Includes bird screen.		
		For Flange Frame, Add	*448.14*	
		For Clear Lacquer Finish, Add	*896.29*	
		For Baked Enamel Standard Colors, Add	*1,344.43*	
		For Anodized Finish, Add	*1,792.58*	
		For Kynar® Standard Colors Finish, Add	*2,464.79*	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,207.85	246.67
		Note: Includes bird screen.		
		For Flange Frame, Add	*471.45*	
		For Clear Lacquer Finish, Add	*942.90*	
		For Baked Enamel Standard Colors, Add	*1,414.35*	
		For Anodized Finish, Add	*1,885.80*	
		For Kynar® Standard Colors Finish, Add	*2,592.98*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,599.21	253.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*509.20*	
		For Clear Lacquer Finish, Add	*1,018.39*	
		For Baked Enamel Standard Colors, Add	*1,527.59*	
		For Anodized Finish, Add	*2,036.79*	
		For Kynar® Standard Colors Finish, Add	*2,800.58*	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,458.61	111.17
		Note: Includes bird screen.		
		For Flange Frame, Add	*123.63*	
		For Clear Lacquer Finish, Add	*247.25*	
		For Baked Enamel Standard Colors, Add	*370.88*	
		For Anodized Finish, Add	*494.50*	
		For Kynar® Standard Colors Finish, Add	*679.94*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,790.38	132.02
		Note: Includes bird screen.		
		For Flange Frame, Add	*152.63*	
		For Clear Lacquer Finish, Add	*305.27*	
		For Baked Enamel Standard Colors, Add	*457.90*	
		For Anodized Finish, Add	*610.53*	
		For Kynar® Standard Colors Finish, Add	*839.48*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,076.52	152.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*177.08*	
		For Clear Lacquer Finish, Add	*354.16*	
		For Baked Enamel Standard Colors, Add	*531.24*	
		For Anodized Finish, Add	*708.32*	
		For Kynar® Standard Colors Finish, Add	*973.93*	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,397.57	163.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*207.10*	
		For Clear Lacquer Finish, Add	*414.20*	
		For Baked Enamel Standard Colors, Add	*621.30*	
		For Anodized Finish, Add	*828.40*	
		For Kynar® Standard Colors Finish, Add	*1,139.04*	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,815.52	170.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*247.51*	
		For Clear Lacquer Finish, Add	*495.01*	
		For Baked Enamel Standard Colors, Add	*742.52*	
		For Anodized Finish, Add	*990.02*	
		For Kynar® Standard Colors Finish, Add	*1,361.28*	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,097.96	177.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*274.36*	
		For Clear Lacquer Finish, Add	*548.72*	
		For Baked Enamel Standard Colors, Add	*823.08*	
		For Anodized Finish, Add	*1,097.44*	
		For Kynar® Standard Colors Finish, Add	*1,508.97*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,381.00	187.61
		Note: Includes bird screen.		
		For Flange Frame, Add	*300.58*	
		For Clear Lacquer Finish, Add	*601.16*	
		For Baked Enamel Standard Colors, Add	*901.73*	
		For Anodized Finish, Add	*1,202.31*	
		For Kynar® Standard Colors Finish, Add	*1,653.18*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,698.90	194.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*330.98*	
		For Clear Lacquer Finish, Add	*661.96*	
		For Baked Enamel Standard Colors, Add	*992.93*	
		For Anodized Finish, Add	*1,323.91*	
		For Kynar® Standard Colors Finish, Add	*1,820.38*	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,975.61	204.98
		Note: Includes bird screen.		
		For Flange Frame, Add	*356.57*	
		For Clear Lacquer Finish, Add	*713.13*	
		For Baked Enamel Standard Colors, Add	*1,069.70*	
		For Anodized Finish, Add	*1,426.26*	
		For Kynar® Standard Colors Finish, Add	*1,961.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,415.68	222.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*397.10*	
		For Clear Lacquer Finish, Add	*794.20*	
		For Baked Enamel Standard Colors, Add	*1,191.29*	
		For Anodized Finish, Add	*1,588.39*	
		For Kynar® Standard Colors Finish, Add	*2,184.04*	
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,689.85	232.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*422.43*	
		For Clear Lacquer Finish, Add	*844.86*	
		For Baked Enamel Standard Colors, Add	*1,267.29*	
		For Anodized Finish, Add	*1,689.72*	
		For Kynar® Standard Colors Finish, Add	*2,323.37*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,976.70	243.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*449.03*	
		For Clear Lacquer Finish, Add	*898.06*	
		For Baked Enamel Standard Colors, Add	*1,347.09*	
		For Anodized Finish, Add	*1,796.12*	
		For Kynar® Standard Colors Finish, Add	*2,469.67*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,240.13	250.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*473.98*	
		For Clear Lacquer Finish, Add	*947.97*	
		For Baked Enamel Standard Colors, Add	*1,421.95*	
		For Anodized Finish, Add	*1,895.94*	
		For Kynar® Standard Colors Finish, Add	*2,606.91*	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,503.56	257.10
		Note: Includes bird screen.		
		For Flange Frame, Add	*498.94*	
		For Clear Lacquer Finish, Add	*997.87*	
		For Baked Enamel Standard Colors, Add	*1,496.81*	
		For Anodized Finish, Add	*1,995.75*	
		For Kynar® Standard Colors Finish, Add	*2,744.15*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,920.25	264.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*539.22*	
		For Clear Lacquer Finish, Add	*1,078.43*	
		For Baked Enamel Standard Colors, Add	*1,617.65*	
		For Anodized Finish, Add	*2,156.87*	
		For Kynar® Standard Colors Finish, Add	*2,965.69*	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,529.51	118.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*129.33*	
		For Clear Lacquer Finish, Add	*258.65*	
		For Baked Enamel Standard Colors, Add	*387.98*	
		For Anodized Finish, Add	*517.30*	
		For Kynar® Standard Colors Finish, Add	*711.29*	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,875.19	138.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*159.73*	
		For Clear Lacquer Finish, Add	*319.45*	
		For Baked Enamel Standard Colors, Add	*479.18*	
		For Anodized Finish, Add	*638.90*	
		For Kynar® Standard Colors Finish, Add	*878.49*	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,191.75	159.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*187.21*	
		For Clear Lacquer Finish, Add	*374.42*	
		For Baked Enamel Standard Colors, Add	*561.64*	
		For Anodized Finish, Add	*748.85*	
		For Kynar® Standard Colors Finish, Add	*1,029.67*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,522.93	170.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*218.25*	
		For Clear Lacquer Finish, Add	*436.49*	
		For Baked Enamel Standard Colors, Add	*654.74*	
		For Anodized Finish, Add	*872.98*	
		For Kynar® Standard Colors Finish, Add	*1,200.35*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,967.49	177.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*261.31*	
		For Clear Lacquer Finish, Add	*522.62*	
		For Baked Enamel Standard Colors, Add	*783.94*	
		For Anodized Finish, Add	*1,045.25*	
		For Kynar® Standard Colors Finish, Add	*1,437.22*	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,266.39	184.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*289.81*	
		For Clear Lacquer Finish, Add	*579.62*	
		For Baked Enamel Standard Colors, Add	*869.44*	
		For Anodized Finish, Add	*1,159.25*	
		For Kynar® Standard Colors Finish, Add	*1,593.97*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,555.77	194.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*316.67*	
		For Clear Lacquer Finish, Add	*633.33*	
		For Baked Enamel Standard Colors, Add	*950.00*	
		For Anodized Finish, Add	*1,266.66*	
		For Kynar® Standard Colors Finish, Add	*1,741.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,898.99	201.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*349.60*	
		For Clear Lacquer Finish, Add	*699.20*	
		For Baked Enamel Standard Colors, Add	*1,048.79*	
		For Anodized Finish, Add	*1,398.39*	
		For Kynar® Standard Colors Finish, Add	*1,922.79*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,189.64	211.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*376.58*	
		For Clear Lacquer Finish, Add	*753.16*	
		For Baked Enamel Standard Colors, Add	*1,129.73*	
		For Anodized Finish, Add	*1,506.31*	
		For Kynar® Standard Colors Finish, Add	*2,071.18*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,656.30	229.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*419.77*	
		For Clear Lacquer Finish, Add	*839.54*	
		For Baked Enamel Standard Colors, Add	*1,259.31*	
		For Anodized Finish, Add	*1,679.08*	
		For Kynar® Standard Colors Finish, Add	*2,308.74*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,940.62	239.73
		Note: Includes bird screen.		
		For Flange Frame, Add	*446.12*	
		For Clear Lacquer Finish, Add	*892.24*	
		For Baked Enamel Standard Colors, Add	*1,338.35*	
		For Anodized Finish, Add	*1,784.47*	
		For Kynar® Standard Colors Finish, Add	*2,453.65*	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,252.80	250.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*475.25*	
		For Clear Lacquer Finish, Add	*950.50*	
		For Baked Enamel Standard Colors, Add	*1,425.75*	
		For Anodized Finish, Add	*1,901.00*	
		For Kynar® Standard Colors Finish, Add	*2,613.88*	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,587.16	257.10
		Note: Includes bird screen.		
		For Flange Frame, Add	*507.30*	
		For Clear Lacquer Finish, Add	*1,014.59*	
		For Baked Enamel Standard Colors, Add	*1,521.89*	
		For Anodized Finish, Add	*2,029.19*	
		For Kynar® Standard Colors Finish, Add	*2,790.13*	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,888.59	264.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*536.05*	
		For Clear Lacquer Finish, Add	*1,072.10*	
		For Baked Enamel Standard Colors, Add	*1,608.15*	
		For Anodized Finish, Add	*2,144.20*	
		For Kynar® Standard Colors Finish, Add	*2,948.28*	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,336.95	270.99
		Note: Includes bird screen.		
		For Flange Frame, Add	*579.50*	
		For Clear Lacquer Finish, Add	*1,158.99*	
		For Baked Enamel Standard Colors, Add	*1,738.49*	
		For Anodized Finish, Add	*2,317.99*	
		For Kynar® Standard Colors Finish, Add	*3,187.23*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,622.56	128.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*136.55*	
		For Clear Lacquer Finish, Add	*273.09*	
		For Baked Enamel Standard Colors, Add	*409.64*	
		For Anodized Finish, Add	*546.18*	
		For Kynar® Standard Colors Finish, Add	*751.00*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,973.30	149.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*167.45*	
		For Clear Lacquer Finish, Add	*334.90*	
		For Baked Enamel Standard Colors, Add	*502.36*	
		For Anodized Finish, Add	*669.81*	
		For Kynar® Standard Colors Finish, Add	*920.99*	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,302.53	170.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*196.21*	
		For Clear Lacquer Finish, Add	*392.41*	
		For Baked Enamel Standard Colors, Add	*588.62*	
		For Anodized Finish, Add	*784.82*	
		For Kynar® Standard Colors Finish, Add	*1,079.13*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,643.84	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.25*	
		For Clear Lacquer Finish, Add	*456.50*	
		For Baked Enamel Standard Colors, Add	*684.76*	
		For Anodized Finish, Add	*913.01*	
		For Kynar® Standard Colors Finish, Add	*1,255.39*	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	3,118.81	187.61
		Note: Includes bird screen.		
		For Flange Frame, Add	*274.36*	
		For Clear Lacquer Finish, Add	*548.72*	
		For Baked Enamel Standard Colors, Add	*823.08*	
		For Anodized Finish, Add	*1,097.44*	
		For Kynar® Standard Colors Finish, Add	*1,508.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,427.84	194.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*303.87*	
		For Clear Lacquer Finish, Add	*607.74*	
		For Baked Enamel Standard Colors, Add	*911.62*	
		For Anodized Finish, Add	*1,215.49*	
		For Kynar® Standard Colors Finish, Add	*1,671.30*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,722.93	201.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*331.99*	
		For Clear Lacquer Finish, Add	*663.98*	
		For Baked Enamel Standard Colors, Add	*995.98*	
		For Anodized Finish, Add	*1,327.97*	
		For Kynar® Standard Colors Finish, Add	*1,825.96*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	4,085.16	208.46
		Note: Includes bird screen.		
		For Flange Frame, Add	*366.83*	
		For Clear Lacquer Finish, Add	*733.65*	
		For Baked Enamel Standard Colors, Add	*1,100.48*	
		For Anodized Finish, Add	*1,467.30*	
		For Kynar® Standard Colors Finish, Add	*2,017.54*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,391.01	218.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*395.33*	
		For Clear Lacquer Finish, Add	*790.65*	
		For Baked Enamel Standard Colors, Add	*1,185.98*	
		For Anodized Finish, Add	*1,581.30*	
		For Kynar® Standard Colors Finish, Add	*2,174.29*	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,884.27	236.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*441.18*	
		For Clear Lacquer Finish, Add	*882.36*	
		For Baked Enamel Standard Colors, Add	*1,323.53*	
		For Anodized Finish, Add	*1,764.71*	
		For Kynar® Standard Colors Finish, Add	*2,426.48*	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	5,181.25	246.67
		Note: Includes bird screen.		
		For Flange Frame, Add	*468.79*	
		For Clear Lacquer Finish, Add	*937.58*	
		For Baked Enamel Standard Colors, Add	*1,406.37*	
		For Anodized Finish, Add	*1,875.16*	
		For Kynar® Standard Colors Finish, Add	*2,578.35*	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,521.30	257.10
		Note: Includes bird screen.		
		For Flange Frame, Add	*500.71*	
		For Clear Lacquer Finish, Add	*1,001.42*	
		For Baked Enamel Standard Colors, Add	*1,502.13*	
		For Anodized Finish, Add	*2,002.84*	
		For Kynar® Standard Colors Finish, Add	*2,753.91*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,875.92	264.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*534.78*	
		For Clear Lacquer Finish, Add	*1,069.57*	
		For Baked Enamel Standard Colors, Add	*1,604.35*	
		For Anodized Finish, Add	*2,139.14*	
		For Kynar® Standard Colors Finish, Add	*2,941.31*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	6,176.70	274.46
		Note: Includes bird screen.		
		For Flange Frame, Add	*562.78*	
		For Clear Lacquer Finish, Add	*1,125.55*	
		For Baked Enamel Standard Colors, Add	*1,688.33*	
		For Anodized Finish, Add	*2,251.11*	
		For Kynar® Standard Colors Finish, Add	*3,095.27*	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,651.66	281.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*608.88*	
		For Clear Lacquer Finish, Add	*1,217.77*	
		For Baked Enamel Standard Colors, Add	*1,826.65*	
		For Anodized Finish, Add	*2,435.53*	
		For Kynar® Standard Colors Finish, Add	*3,348.86*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,702.92	138.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*142.50*	
		For Clear Lacquer Finish, Add	*285.00*	
		For Baked Enamel Standard Colors, Add	*427.50*	
		For Anodized Finish, Add	*570.00*	
		For Kynar® Standard Colors Finish, Add	*783.74*	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	2,066.35	159.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*174.67*	
		For Clear Lacquer Finish, Add	*349.34*	
		For Baked Enamel Standard Colors, Add	*524.02*	
		For Anodized Finish, Add	*698.69*	
		For Kynar® Standard Colors Finish, Add	*960.70*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,412.04	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*205.07*	
		For Clear Lacquer Finish, Add	*410.14*	
		For Baked Enamel Standard Colors, Add	*615.22*	
		For Anodized Finish, Add	*820.29*	
		For Kynar® Standard Colors Finish, Add	*1,127.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,772.36	191.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*239.02*	
		For Clear Lacquer Finish, Add	*478.04*	
		For Baked Enamel Standard Colors, Add	*717.06*	
		For Anodized Finish, Add	*956.08*	
		For Kynar® Standard Colors Finish, Add	*1,314.60*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	3,262.51	198.03
		Note: Includes bird screen.		
		For Flange Frame, Add	*286.65*	
		For Clear Lacquer Finish, Add	*573.29*	
		For Baked Enamel Standard Colors, Add	*859.94*	
		For Anodized Finish, Add	*1,146.58*	
		For Kynar® Standard Colors Finish, Add	*1,576.55*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,623.48	204.98
		Note: Includes bird screen.		
		For Flange Frame, Add	*321.35*	
		For Clear Lacquer Finish, Add	*642.70*	
		For Baked Enamel Standard Colors, Add	*964.06*	
		For Anodized Finish, Add	*1,285.41*	
		For Kynar® Standard Colors Finish, Add	*1,767.44*	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,937.57	211.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*351.37*	
		For Clear Lacquer Finish, Add	*702.74*	
		For Baked Enamel Standard Colors, Add	*1,054.11*	
		For Anodized Finish, Add	*1,405.48*	
		For Kynar® Standard Colors Finish, Add	*1,932.54*	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	4,282.07	218.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*384.43*	
		For Clear Lacquer Finish, Add	*768.86*	
		For Baked Enamel Standard Colors, Add	*1,153.29*	
		For Anodized Finish, Add	*1,537.72*	
		For Kynar® Standard Colors Finish, Add	*2,114.37*	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,601.23	225.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*414.96*	
		For Clear Lacquer Finish, Add	*829.92*	
		For Baked Enamel Standard Colors, Add	*1,244.87*	
		For Anodized Finish, Add	*1,659.83*	
		For Kynar® Standard Colors Finish, Add	*2,282.27*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	5,131.23	243.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*464.48*	
		For Clear Lacquer Finish, Add	*928.97*	
		For Baked Enamel Standard Colors, Add	*1,393.45*	
		For Anodized Finish, Add	*1,857.94*	
		For Kynar® Standard Colors Finish, Add	*2,554.66*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,075.42	253.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*356.82*	
		For Clear Lacquer Finish, Add	*713.64*	
		For Baked Enamel Standard Colors, Add	*1,070.45*	
		For Anodized Finish, Add	*1,427.27*	
		For Kynar® Standard Colors Finish, Add	*1,962.50*	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,785.99	264.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*525.79*	
		For Clear Lacquer Finish, Add	*1,051.58*	
		For Baked Enamel Standard Colors, Add	*1,577.37*	
		For Anodized Finish, Add	*2,103.16*	
		For Kynar® Standard Colors Finish, Add	*2,891.85*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	6,153.28	270.99
		Note: Includes bird screen.		
		For Flange Frame, Add	*561.13*	
		For Clear Lacquer Finish, Add	*1,122.26*	
		For Baked Enamel Standard Colors, Add	*1,683.39*	
		For Anodized Finish, Add	*2,244.52*	
		For Kynar® Standard Colors Finish, Add	*3,086.22*	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	6,469.27	281.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*590.64*	
		For Clear Lacquer Finish, Add	*1,181.29*	
		For Baked Enamel Standard Colors, Add	*1,771.93*	
		For Anodized Finish, Add	*2,362.58*	
		For Kynar® Standard Colors Finish, Add	*3,248.54*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,980.30	291.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*639.66*	
		For Clear Lacquer Finish, Add	*1,279.33*	
		For Baked Enamel Standard Colors, Add	*1,918.99*	
		For Anodized Finish, Add	*2,558.65*	
		For Kynar® Standard Colors Finish, Add	*3,518.15*	

08 91 19 00-0227 Fixed Hurricane Louvers *(08 91 19)*

08 91 19 00-0228	EA	24" x 24" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	2,149.03	66.01
08 91 19 00-0229	EA	36" x 36" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	3,190.05	105.61
08 91 19 00-0230	EA	48" x 48" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	3,882.40	138.97
08 91 19 00-0231	EA	54" x 54" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	4,432.09	159.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0232	EA	60" x 60" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	5,140.51	180.66
08 91 19 00-0233	EA	72" x 96" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	8,313.81	253.62
08 91 19 00-0234		**Gable Louver Vents** *(08 91 19)*		
		Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0235		**Aluminum Gable Louver Vents** *(08 91 19 00-0234)*		
		Note: Includes screen.		
08 91 19 00-0236		**Rectangular Aluminum Gable Louver Vents** *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0237	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	181.64	12.90
08 91 19 00-0238	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	199.62	14.81
08 91 19 00-0239	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	229.84	16.72
08 91 19 00-0240	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	251.33	17.77
08 91 19 00-0241	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	285.04	18.82
08 91 19 00-0242	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	320.81	22.58
08 91 19 00-0243	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	374.46	28.22
08 91 19 00-0244	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	419.18	32.93
08 91 19 00-0245	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	481.77	39.51
08 91 19 00-0246	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	606.95	52.68
08 91 19 00-0247		**Square Aluminum Gable Louver Vents** *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0248	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	166.36	11.88
08 91 19 00-0249	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	206.45	15.05
08 91 19 00-0250	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	257.42	17.76
08 91 19 00-0251	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	329.75	23.52
08 91 19 00-0252	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	428.12	33.87
08 91 19 00-0253	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	544.26	46.07
08 91 19 00-0254	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	678.49	60.21
08 91 19 00-0255		**Round Aluminum Gable Louver Vents** *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0256	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	166.36	11.88
08 91 19 00-0257	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	206.45	15.05
08 91 19 00-0258	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	257.42	17.76
08 91 19 00-0259	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	329.75	23.52
08 91 19 00-0260	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	428.12	33.87
08 91 19 00-0261	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	544.36	46.10
08 91 19 00-0262		**Octagonal Aluminum Gable Louver Vents** *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0263	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	166.36	11.88
08 91 19 00-0264	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	181.64	12.90
08 91 19 00-0265	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	199.62	14.81
08 91 19 00-0266	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	206.45	15.05
08 91 19 00-0267	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	229.84	16.72
08 91 19 00-0268	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	251.33	17.77
08 91 19 00-0269	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	257.42	17.76
08 91 19 00-0270	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	285.04	18.82
08 91 19 00-0271	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	320.81	22.58
08 91 19 00-0272	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	329.75	23.52
08 91 19 00-0273	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	374.46	28.22
08 91 19 00-0274	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	419.18	32.93
08 91 19 00-0275	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	428.12	33.87
08 91 19 00-0276	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	481.77	39.51
08 91 19 00-0277	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	535.42	45.15
08 91 19 00-0278	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	544.36	46.10
08 91 19 00-0279	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	606.95	52.68
08 91 19 00-0280	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	678.49	60.21
08 91 19 00-0281		**Round Top Aluminum Gable Louver Vents** *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0282	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	166.36	11.88
08 91 19 00-0283	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	181.64	12.90
08 91 19 00-0284	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	199.62	14.81
08 91 19 00-0285	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	206.45	15.05
08 91 19 00-0286	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	229.84	16.72
08 91 19 00-0287	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	251.33	17.77
08 91 19 00-0288	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	257.42	17.76
08 91 19 00-0289	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	285.04	18.82
08 91 19 00-0290	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	320.81	22.58
08 91 19 00-0291	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	329.75	23.52
08 91 19 00-0292	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	374.46	28.22
08 91 19 00-0293	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	419.18	32.93
08 91 19 00-0294	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	428.12	33.87
08 91 19 00-0295	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	481.77	39.51
08 91 19 00-0296	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	535.42	45.15
08 91 19 00-0297	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	544.36	46.10
08 91 19 00-0298	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	606.95	52.68
08 91 19 00-0299	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	678.49	60.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0300		**Triangle Aluminum Gable Louver Vents** *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0301	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	334.19	14.81
08 91 19 00-0302	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	379.77	17.76
08 91 19 00-0303	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	407.38	18.82
08 91 19 00-0304	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	467.62	22.58
08 91 19 00-0305	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	519.38	23.52
08 91 19 00-0306	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	435.63	28.22
08 91 19 00-0307	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	510.94	32.93
08 91 19 00-0308	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	574.93	33.87
08 91 19 00-0309	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	653.05	39.51
08 91 19 00-0310	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	535.42	45.15
08 91 19 00-0311	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	611.65	46.10
08 91 19 00-0312	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	704.82	52.68
08 91 19 00-0313	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	800.83	60.21
08 91 19 00-0314	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	901.18	69.19
08 91 19 00-0315		**Vinyl Gable Louver Vents** *(08 91 19 00-0234)*		
		Note: Includes screen.		
08 91 19 00-0316	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	77.41	11.88
08 91 19 00-0317	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	93.02	12.90
08 91 19 00-0318	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	126.61	16.72
08 91 19 00-0319	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	171.92	18.82
08 91 19 00-0320	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	122.16	15.05
08 91 19 00-0321	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	141.30	17.76
08 91 19 00-0322	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	198.68	23.52
08 91 19 00-0323	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	290.19	33.87
08 91 19 00-0324	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	122.16	15.05
08 91 19 00-0325	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	138.18	16.72
08 91 19 00-0326	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	177.26	18.82
08 91 19 00-0327	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	252.28	28.22
08 91 19 00-0328	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	591.60	45.15
08 91 19 00-0329	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	119.75	14.81
08 91 19 00-0330	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	166.21	18.82
08 91 19 00-0331	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	173.35	22.58
08 91 19 00-0332	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	389.19	28.22
08 91 19 00-0333	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	389.19	28.22
08 91 19 00-0334	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	389.19	28.22
08 91 19 00-0335	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	389.19	28.22
08 91 19 00-0336	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	389.19	28.22
08 91 19 00-0337	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	440.04	45.15
08 91 19 00-0338	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	440.04	45.15
08 91 19 00-0339	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	440.04	45.15
08 91 19 00-0340	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	440.04	45.15
08 91 19 00-0341		**Wooden Gable Louver Vents** *(08 91 19 00-0234)*		
		Note: Includes screen.		
08 91 19 00-0342		**Square Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0343	EA	12" x 12" Square Fixed Wooden Cedar Gable Louver Vent	146.55	11.88
08 91 19 00-0344	EA	18" x 18" Square Fixed Wooden Cedar Gable Louver Vent	192.06	15.05
08 91 19 00-0345	EA	24" x 24" Square Fixed Wooden Cedar Gable Louver Vent	254.15	17.76
08 91 19 00-0346	EA	30" x 30" Square Fixed Wooden Cedar Gable Louver Vent	362.84	23.52
08 91 19 00-0347	EA	36" x 36" Square Fixed Wooden Cedar Gable Louver Vent	495.89	33.87
08 91 19 00-0348	EA	42" x 42" Square Fixed Wooden Cedar Gable Louver Vent	660.98	46.07
08 91 19 00-0349	EA	48" x 48" Square Fixed Wooden Cedar Gable Louver Vent	858.74	60.21
08 91 19 00-0350		**Rectangular Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0351	EA	12" x 18" Rectangular Fixed Wooden Cedar Gable Louver Vent	165.01	12.90
08 91 19 00-0352	EA	12" x 24" Rectangular Fixed Wooden Cedar Gable Louver Vent	186.16	14.81
08 91 19 00-0353	EA	18" x 24" Rectangular Fixed Wooden Cedar Gable Louver Vent	219.36	16.72
08 91 19 00-0354	EA	18" x 30" Rectangular Fixed Wooden Cedar Gable Louver Vent	244.78	17.77
08 91 19 00-0355	EA	24" x 30" Rectangular Fixed Wooden Cedar Gable Louver Vent	287.49	18.82
08 91 19 00-0356	EA	24" x 36" Rectangular Fixed Wooden Cedar Gable Louver Vent	328.98	22.58
08 91 19 00-0357	EA	30" x 36" Rectangular Fixed Wooden Cedar Gable Louver Vent	419.41	28.22
08 91 19 00-0358	EA	30" x 42" Rectangular Fixed Wooden Cedar Gable Louver Vent	475.97	32.93
08 91 19 00-0359	EA	36" x 42" Rectangular Fixed Wooden Cedar Gable Louver Vent	565.20	39.51
08 91 19 00-0360	EA	42" x 48" Rectangular Fixed Wooden Cedar Gable Louver Vent	744.09	52.68
08 91 19 00-0361		**Round Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0362	EA	12" Diameter Round Fixed Wooden Cedar Gable Louver Vent	130.42	11.88
08 91 19 00-0363	EA	18" Diameter Round Fixed Wooden Cedar Gable Louver Vent	234.76	15.05
08 91 19 00-0364	EA	24" Diameter Round Fixed Wooden Cedar Gable Louver Vent	349.53	17.76
08 91 19 00-0365	EA	30" Diameter Round Fixed Wooden Cedar Gable Louver Vent	461.75	23.52
08 91 19 00-0366	EA	36" Diameter Round Fixed Wooden Cedar Gable Louver Vent	616.03	33.87
08 91 19 00-0367	EA	42" Diameter Round Fixed Wooden Cedar Gable Louver Vent	786.34	46.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0368		**Octagonal Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0369	EA	12" x 12" Octagonal Fixed Wooden Cedar Gable Louver Vent	171.18	11.88
08 91 19 00-0370	EA	12" x 18" Octagonal Fixed Wooden Cedar Gable Louver Vent	189.64	12.90
08 91 19 00-0371	EA	12" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent	210.80	14.81
08 91 19 00-0372	EA	18" x 18" Octagonal Fixed Wooden Cedar Gable Louver Vent	216.69	15.05
08 91 19 00-0373	EA	18" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent	243.99	16.72
08 91 19 00-0374	EA	18" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent	269.41	17.77
08 91 19 00-0375	EA	24" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent	278.78	17.76
08 91 19 00-0376	EA	24" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent	312.12	18.82
08 91 19 00-0377	EA	24" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent	353.61	22.58
08 91 19 00-0378	EA	30" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent	387.47	23.52
08 91 19 00-0379	EA	30" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent	444.04	28.22
08 91 19 00-0380	EA	30" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent	500.60	32.93
08 91 19 00-0381	EA	36" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent	520.53	33.87
08 91 19 00-0382	EA	36" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent	589.83	39.51
08 91 19 00-0383	EA	36" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent	659.14	45.15
08 91 19 00-0384	EA	42" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent	685.72	46.10
08 91 19 00-0385	EA	42" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent	768.72	52.68
08 91 19 00-0386	EA	48" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent	883.37	60.21
08 91 19 00-0387		**Round Top Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0388	EA	12" x 12" Round Top Fixed Wooden Cedar Gable Louver Vent	150.24	11.88
08 91 19 00-0389	EA	12" x 18" Round Top Fixed Wooden Cedar Gable Louver Vent	168.71	12.90
08 91 19 00-0390	EA	12" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent	189.86	14.81
08 91 19 00-0391	EA	18" x 18" Round Top Fixed Wooden Cedar Gable Louver Vent	195.75	15.05
08 91 19 00-0392	EA	18" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent	223.06	16.72
08 91 19 00-0393	EA	18" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent	248.47	17.77
08 91 19 00-0394	EA	24" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent	257.85	17.76
08 91 19 00-0395	EA	24" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent	291.19	18.82
08 91 19 00-0396	EA	24" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent	332.68	22.58
08 91 19 00-0397	EA	30" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent	366.53	23.52
08 91 19 00-0398	EA	30" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent	423.10	28.22
08 91 19 00-0399	EA	30" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent	479.67	32.93
08 91 19 00-0400	EA	36" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent	499.59	33.87
08 91 19 00-0401	EA	36" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent	568.90	39.51
08 91 19 00-0402	EA	36" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent	638.21	45.15
08 91 19 00-0403	EA	42" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent	664.78	46.10
08 91 19 00-0404	EA	42" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent	747.78	52.68
08 91 19 00-0405	EA	48" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent	862.43	60.21
08 91 19 00-0406		**Triangle Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0407	EA	4' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	286.65	17.76
08 91 19 00-0408	EA	4' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	303.52	18.82
08 91 19 00-0409	EA	5' Base 5/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	314.82	22.58
08 91 19 00-0410	EA	5' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	329.08	23.52
08 91 19 00-0411	EA	5' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	356.93	28.22
08 91 19 00-0412	EA	6' Base 4/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	359.27	32.93
08 91 19 00-0413	EA	6' Base 5/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	373.88	33.87
08 91 19 00-0414	EA	6' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	444.14	39.51
08 91 19 00-0415	EA	6' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	496.28	45.15
08 91 19 00-0416		**Composite Gable Louvers** *(08 91 19 00-0234)*		
08 91 19 00-0417		**Round Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0418		**Round Composite Gable Louvers** *(08 91 19 00-0417)*		
08 91 19 00-0419	EA	12" Diameter, Functional, Round Composite Gable Louver	116.28	17.62
08 91 19 00-0420	EA	12" Diameter, Non-Functional, Round Composite Gable Louver	108.01	17.62
08 91 19 00-0421	EA	18" Diameter, Functional, Round Composite Gable Louver	150.04	20.34
08 91 19 00-0422	EA	18" Diameter, Non-Functional, Round Composite Gable Louver	138.79	20.34
08 91 19 00-0423	EA	24" Diameter, Functional, Round Composite Gable Louver	188.78	23.73
08 91 19 00-0424	EA	24" Diameter, Non-Functional, Round Composite Gable Louver	174.19	23.73
08 91 19 00-0425		**Round Composite Gable Louvers With Keystones** *(08 91 19 00-0417)*		
08 91 19 00-0426	EA	18" Diameter, Functional, Round Composite Gable Louver With Keystones	256.23	20.34
08 91 19 00-0427	EA	18" Diameter, Non-Functional, Round Composite Gable Louver With Keystones	245.09	20.34
08 91 19 00-0428	EA	24" Diameter, Functional, Round Composite Gable Louver With Keystones	272.31	23.73
08 91 19 00-0429	EA	24" Diameter, Non-Functional, Round Composite Gable Louver With Keystones	262.74	23.73
08 91 19 00-0430		**Half Round Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0431		**Half Round Composite Gable Louvers** *(08 91 19 00-0430)*		
08 91 19 00-0432	EA	24" Diameter, Functional, Half Round Composite Gable Louver	168.06	23.73
08 91 19 00-0433	EA	24" Diameter, Non-Functional, Half Round Composite Gable Louver	159.88	23.73
08 91 19 00-0434	EA	36" Diameter, Functional, Half Round Composite Gable Louver	224.54	30.51
08 91 19 00-0435	EA	36" Diameter, Non-Functional, Half Round Composite Gable Louver	210.24	30.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0436		**Half Round Composite Gable Louvers With Keystones** *(08 91 19 00-0430)*		
08 91 19 00-0437	EA	36" Diameter, Functional, Half Round Composite Gable Louver With Keystones	318.57	30.51
08 91 19 00-0438	EA	36" Diameter, Non-Functional, Half Round Composite Gable Louver With Keystones	289.51	30.51
08 91 19 00-0439		**Triangle Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0440	EA	48" W x 10" H, Functional, Triangle, Composite Gable Louver	263.65	37.29
08 91 19 00-0441	EA	48" W x 10" H, Non-Functional, Triangle, Composite Gable Louver	252.41	37.29
08 91 19 00-0442	EA	48" W x 12" H, Functional, Triangle Composite Gable Louver	275.54	40.68
08 91 19 00-0443	EA	48" W x 12" H, Non-Functional, Triangle Composite Gable Louver	263.28	40.68
08 91 19 00-0444		**Octagon Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0445	EA	12", Functional, Octagon Composite Gable Louver	215.52	17.62
08 91 19 00-0446	EA	12", Non-Functional, Octagon Composite Gable Louver	210.28	17.62
08 91 19 00-0447	EA	18", Functional, Octagon Composite Gable Louver	140.84	20.34
08 91 19 00-0448	EA	18", Non-Functional, Octagon Composite Gable Louver	134.71	20.34

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

08 95 13 00-0001		**Aluminum Soffit Vents** *(08 95 13)*		
08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	8.89	3.20
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	15.95	6.26
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	26.13	8.34
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	27.10	8.34
08 95 13 00-0006		**Vinyl Soffit Vents** *(08 95 13)*		
08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	8.31	3.56
		For Colors, Add	*0.12*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	8.67	3.56
		For Colors, Add	*0.16*	

08 95 16 Wall Vents *(08 95)*

08 95 16 00-0001		**Foundation Vents** *(08 95 16)*		
08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.53	0.23
08 95 16 00-0003	SI	Aluminum Foundation Vent	1.03	0.23
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	1.20	0.23
08 95 16 00-0005	SI	Plastic Foundation Vent	0.66	0.23

END OF SECTION 08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance of Finishes *(09)*

09 01 20 Maintenance of Plaster and Gypsum Board *(09 01)*

09 01 20 91 Plaster Restoration *(09 01 20)*

09 01 20 91-0001 Cut And Patch Hole In Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 16 SF.

09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	23.92
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	19.29
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	17.32
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	15.26

09 01 20 91-0006 Patch/Finish Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.

09 01 20 91-0007	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops	2.32
		For ASTM C840 Level 1 Finish, Deduct	*-1.12*
		For ASTM C840 Level 2 Finish, Deduct	*-0.56*
		For ASTM C840 Level 3 Finish, Deduct	*-0.23*
		For ASTM C840 Level 5 High Quality Finish, Add	*1.72*

09 01 20 91-0008 Plaster/Stucco Repair *(09 01 20 91)*
Note: Per location.

09 01 20 91-0009 Clean And Repair Crack In Plaster/Stucco *(09 01 20 91-0008)*
Note: Includes plaster weld.

09 01 20 91-0010	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	23.36
09 01 20 91-0011	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	18.73
09 01 20 91-0012	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	15.28
09 01 20 91-0013	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	11.82
09 01 20 91-0014	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	9.51
09 01 20 91-0015	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	7.21

09 01 20 91-0016 Cut And Patch Hole In Plaster/Stucco To Match Existing *(09 01 20 91-0008)*
Note: Includes plaster weld.

09 01 20 91-0017	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	22.23
09 01 20 91-0018	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	19.66
09 01 20 91-0019	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	18.11
09 01 20 91-0020	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	16.82
09 01 20 91-0021	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	15.70
09 01 20 91-0022	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	14.45

09 01 20 91-0023 Chip, Clean And Repair Plaster/Stucco *(09 01 20 91-0008)*
Note: Includes plaster weld.

09 01 20 91-0024	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	42.01
09 01 20 91-0025	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	30.47
09 01 20 91-0026	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	22.39
09 01 20 91-0027	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	17.78

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration *(09 01 30)*

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout	8.83
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout	11.02
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing Note: Per location.	56.09

09 01 50 Maintenance of Ceilings *(09 01)*

09 01 50 91 Ceiling Restoration *(09 01 50)*

09 01 50 91-0001 Repair Ceiling Suspension System *(09 01 50 91)*
See CSI section 09 53 23 00-0009 for ceiling suspension system accessories for replacement.

09 01 60 Maintenance of Flooring *(09 01)*

09 01 60 91 Flooring Restoration *(09 01 60)*

09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo *(09 01 60 91)*

09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	365.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	5.59	
09 01 60 91-0004	SF	Repair Existing Terrazzo	25.09	
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	5.74	

09 01 60 91-0006 Standard Flooring Maintenance *(09 01 60 91)*

09 01 60 91-0007	CSF	Steam Clean Carpet	47.57	
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring	52.66	
		For Additional Coat, Add	*44.16*	
		For Stripping Existing Wax From Floor, Add	*50.08*	
09 01 60 91-0009	CSF	Wax And Polish Wood Flooring	32.54	
		For Additional Coat, Add	*28.76*	
		For Stripping Existing Wax From Floor, Add	*50.08*	
09 01 60 91-0010	MSF	Vacuum Floors	26.30	

09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring *(09 01 60 91)*

09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/8" of material per pass	10.20	
09 01 60 91-0013	LF	Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/4" of material per pass	20.02	
09 01 60 91-0014	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring	8.37	

09 01 60 91-0015 Floor Sealants *(09 01 60 91)*

09 01 60 91-0016	SF	Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	1.50	
09 01 60 91-0017	SF	Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat Note: For interior/exterior concrete surfaces.	1.68	
09 01 60 91-0018	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.74	
09 01 60 91-0019	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	48.05	

09 01 60 91-0020 Double Stick Tape *(09 01 60 91)*

09 01 60 91-0021	SF	Double Stick Tape; DryFix Tape	4.82	

09 01 80 Maintenance of Acoustic Treatment *(09 01)*

09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment *(09 01 80)*

09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment	2.93	

09 01 90 Maintenance of Painting and Coating *(09 01)*

09 01 90 52 Maintenance Repainting *(09 01 90)*

09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 01 90 52)*

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.

09 01 90 52-0002 Concrete, Stone And Masonry Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete, Stone Or Masonry Surfaces, Surface Preparation	0.61	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.60	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.96	
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.18*	
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	1.50	
		For Up To 100, Add	*3.00*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.38*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.30*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007	SF	Steam Clean, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.87	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	
09 01 90 52-0008	SF	2,000 To 5,000 PSI Pressure Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.56	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	1.56	
		For Up To 100, Add	*2.81*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.30*	
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	2.57	
		For Up To 100, Add	*4.83*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.61*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.25*	
		For >15,000 To 30,000, Deduct	*-0.38*	
		For >30,000, Deduct	*-0.50*	
09 01 90 52-0011	SF	Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation Note: 3 Lb. of sand or glass abrasive media material per SF	4.01	
		For 4.5 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*2.33*	
		For 6 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*4.82*	
		For 9 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*8.02*	
		For Up To 100, Add	*6.88*	
		For >100 To 250, Add	*1.82*	
		For >250 To 500, Add	*0.89*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.37*	
		For >15,000 To 30,000, Deduct	*-0.58*	
		For >30,000, Deduct	*-0.76*	

09 01 90 52-0012 Drywall Surfaces, Surface Preparation *(09 01 90 52-0001)*

See CSI section 09 01 20 91-0006 for Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.47	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.80	
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.20*	
09 01 90 52-0015	SF	Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	1.49	
		For Up To 100, Add	*2.85*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.36*	

09 01 90 52-0016 Metal Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation	0.58	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.96	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.18*	
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	1.21	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 30,000, Deduct	*-0.18*	
		For >30,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0020	SF	2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.53	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.52	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.30*	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.17	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.22*	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.61	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.31*	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.37	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 30,000, Deduct	*-0.34*	
		For >30,000, Deduct	*-0.45*	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	3.95	
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.48*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 15,000, Deduct	*-0.37*	
		For >15,000 To 30,000, Deduct	*-0.57*	
		For >30,000, Deduct	*-0.75*	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.01	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.36*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 30,000, Deduct	*-0.43*	
		For >30,000, Deduct	*-0.57*	
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.73	
		For Up To 100, Add	*2.24*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 15,000, Deduct	*-0.34*	
		For >15,000 To 30,000, Deduct	*-0.54*	
		For >30,000, Deduct	*-0.71*	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.84	
		For Up To 100, Add	*2.91*	
		For >100 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 15,000, Deduct	*-0.45*	
		For >15,000 To 30,000, Deduct	*-0.70*	
		For >30,000, Deduct	*-0.92*	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	6.04	
		For Up To 100, Add	*3.63*	
		For >100 To 250, Add	*1.69*	
		For >250 To 500, Add	*0.73*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 15,000, Deduct	*-0.56*	
		For >15,000 To 30,000, Deduct	*-0.87*	
		For >30,000, Deduct	*-1.15*	

09 01 90 52-0031 Tile Surfaces, Surface Preparation *(09 01 90 52-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.53	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0033	CSF	Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	52.76	
		For Up To 100, Add	*39.29*	
		For >100 To 250, Add	*18.34*	
		For >250 To 500, Add	*7.86*	
		For >5,000 To 10,000, Deduct	*-2.63*	
		For >10,000 To 15,000, Deduct	*-5.26*	
		For >15,000 To 30,000, Deduct	*-7.90*	
		For >30,000, Deduct	*-10.53*	
09 01 90 52-0034	SF	2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.39	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.07*	

09 01 90 52-0035 Wood Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0036	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.80	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.18*	
		For >15,000 To 30,000, Deduct	*-0.27*	
		For >30,000, Deduct	*-0.36*	
09 01 90 52-0037	SF	Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0038	SF	Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.80	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.15*	
09 01 90 52-0039	SF	Hand Scrape Wood Surfaces, Surface Preparation	0.92	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.18*	
09 01 90 52-0040	SF	Steam Clean Wood Surfaces, Surface Preparation	0.85	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0041	SF	2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.58	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0042	SF	Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	1.09	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.21*	
09 01 90 52-0043	SF	Sanding Wood Trim Surfaces, Surface Preparation	1.48	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.14*	
		For >15,000 To 30,000, Deduct	*-0.22*	
		For >30,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.97	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.19*	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	1.12	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.22*	

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation	0.53	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation	0.84	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.17*	
09 01 90 52-0049	SF	2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.48	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation	0.90	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	

09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation *(09 01 90 52-0001)*

Note: Based on total project quantity.

09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.61	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0053	SF	2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation	0.63	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	

09 01 90 52-0054 Prep Work *(09 01 90 52-0001)*

09 01 90 52-0055	SF	Citrus Strip, Single Applications Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations	1.43	

09 01 90 91 Paint Restoration *(09 01 90)*

09 01 90 91-0001 Paint Removal, Strip To Bare Wood *(09 01 90 91)*

09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	9.62	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	10.25	

09 05 Common Work Results for Finishes *(09)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 05 61 Common Work Results for Flooring Preparation *(09 05)*

09 05 61 13 Moisture Vapor Emission Control *(09 05 61)*

09 05 61 13-0001 Moisture Vapor Reduction System (Koster VAP) *(09 05 61 13)*

09 05 61 13-0002	SF	Up To 200 SF, Water Vapor Emission Control System (Koster VAP 1-2000) Note: Clear	16.53
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koster VAP 1-2000) Note: Clear	13.12
09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000) Note: Clear	8.74
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000) Note: Clear	7.29
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000) Note: Clear	5.83

09 05 61 13-0007 Moisture Vapor Transmission Control (Dependable Cutdown® II) *(09 05 61 13)*

09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.74
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.84

09 05 71 Acoustic Underlayment *(09 05)*

09 05 71 00-0001 Tile And Stone Acoustical Underlayment *(09 05 71)*

09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	4.77
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*0.57*

09 05 71 00-0003 Resilient Floor Acoustical Underlayment *(09 05 71)*

09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	3.36
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.82
09 05 71 00-0006	SF	0.055" Thick High-Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.74

09 20 Plaster and Gypsum Board *(09)*

09 22 Supports for Plaster and Gypsum Board *(09 20)*

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring *(09 22)*

09 22 13 13 Metal Channel Furring *(09 22 13)*

09 22 13 13-0001 Hat Furring Channel *(09 22 13 13)*
Note: Includes clips where required.

09 22 13 13-0002 Installed On Walls, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.38	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.66*	
		For 12" On Center, Add	*0.87*	
		For 22 Gauge, Add	*0.93*	
		For 20 Gauge, Add	*1.44*	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.88	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.76*	
		For 12" On Center, Add	*0.97*	
		For 22 Gauge, Add	*1.18*	
		For 20 Gauge, Add	*1.77*	

09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	7.61	3.17
		For Columns And Beams >10' High, Add	*1.27*	
		For 24" On Center, Deduct	*-0.89*	
		For 12" On Center, Add	*1.20*	
		For 22 Gauge, Add	*1.11*	
		For 20 Gauge, Add	*1.78*	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	8.11	3.17
		For Columns And Beams >10' High, Add	*1.27*	
		For 24" On Center, Deduct	*-0.99*	
		For 12" On Center, Add	*1.30*	
		For 22 Gauge, Add	*1.36*	
		For 20 Gauge, Add	*2.11*	

09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.16	2.54
		For Ceilings >10' High, Add	*0.76*	
		For 24" On Center, Deduct	*-0.92*	
		For 12" On Center, Add	*1.18*	
		For 22 Gauge, Add	*1.42*	
		For 20 Gauge, Add	*2.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.66	2.54
		For Ceilings >10' High, Add	*0.76*	
		For 24" On Center, Deduct	*-1.02*	
		For 12" On Center, Add	*1.28*	
		For 22 Gauge, Add	*1.67*	
		For 20 Gauge, Add	*2.46*	

09 22 13 13-0011 Z Furring Channel *(09 22 13 13)*

09 22 13 13-0012 Installed On Walls, Z Furring Channel *(09 22 13 13-0011)*

09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.46	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.48*	
		For 12" On Center, Add	*0.69*	
		For 22 Gauge, Add	*0.47*	
		For 20 Gauge, Add	*0.84*	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.52	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.49*	
		For 12" On Center, Add	*0.70*	
		For 22 Gauge, Add	*0.50*	
		For 20 Gauge, Add	*0.88*	
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.58	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.50*	
		For 12" On Center, Add	*0.71*	
		For 22 Gauge, Add	*0.53*	
		For 20 Gauge, Add	*0.92*	
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.62	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.51*	
		For 12" On Center, Add	*0.72*	
		For 22 Gauge, Add	*0.55*	
		For 20 Gauge, Add	*0.94*	
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.66	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.52*	
		For 12" On Center, Add	*0.73*	
		For 22 Gauge, Add	*0.57*	
		For 20 Gauge, Add	*0.97*	

09 22 13 23 Resilient Channel Furring *(09 22 13)*

09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	4.82	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.55*	
		For 12" On Center, Add	*0.76*	
		For 20 Gauge, Add	*1.07*	

09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	5.77	2.54
		For Ceilings >10' High, Add	*0.76*	
		For 24" On Center, Deduct	*-0.65*	
		For 12" On Center, Add	*0.90*	
		For 20 Gauge, Add	*1.22*	

09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	5.08	2.06
		For Walls >10' High, Add	*0.62*	
		For 24" On Center, Deduct	*-0.60*	
		For 12" On Center, Add	*0.81*	
		For 20 Gauge, Add	*1.25*	

09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	6.03	2.54
		For Ceilings >10' High, Add	*0.76*	
		For 24" On Center, Deduct	*-0.70*	
		For 12" On Center, Add	*0.95*	
		For 20 Gauge, Add	*1.39*	

09 22 16 Non-Structural Metal Framing *(09 22)*
Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

09 22 16 13 Non-Structural Metal Stud Framing *(09 22 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0001		**25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners** *(09 22 16 13)*		
09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.51	0.86
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.70*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.07*	
		For Soffit, Columns Or Beams >10' High, Add	*2.72*	
		For Horizontal Installation Up To 10' High, Add	*0.67*	
		For Horizontal Installation >10' High, Add	*0.89*	
		For Curved Wall, Add	*0.65*	
		For 12" On Center, Add	*0.59*	
		For 24" On Center, Deduct	*-0.59*	
		For Up To 100, Add	*1.13*	
		For >100 To 300, Add	*0.57*	
		For >1,000, Deduct	*-0.31*	
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.77	0.90
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.75*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.18*	
		For Soffit, Columns Or Beams >10' High, Add	*2.85*	
		For Horizontal Installation Up To 10' High, Add	*0.71*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Curved Wall, Add	*0.68*	
		For 12" On Center, Add	*0.64*	
		For 24" On Center, Deduct	*-0.64*	
		For Up To 100, Add	*1.20*	
		For >100 To 300, Add	*0.60*	
		For >1,000, Deduct	*-0.34*	
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.12	0.94
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.82*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.30*	
		For Soffit, Columns Or Beams >10' High, Add	*3.01*	
		For Horizontal Installation Up To 10' High, Add	*0.77*	
		For Horizontal Installation >10' High, Add	*1.00*	
		For Curved Wall, Add	*0.71*	
		For 12" On Center, Add	*0.71*	
		For 24" On Center, Deduct	*-0.71*	
		For Up To 100, Add	*1.30*	
		For >100 To 300, Add	*0.65*	
		For >1,000, Deduct	*-0.38*	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.42	0.99
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.88*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.43*	
		For Soffit, Columns Or Beams >10' High, Add	*3.17*	
		For Horizontal Installation Up To 10' High, Add	*0.81*	
		For Horizontal Installation >10' High, Add	*1.06*	
		For Curved Wall, Add	*0.74*	
		For 12" On Center, Add	*0.76*	
		For 24" On Center, Deduct	*-0.76*	
		For Up To 100, Add	*1.38*	
		For >100 To 300, Add	*0.69*	
		For >1,000, Deduct	*-0.42*	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.98	1.04
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.00*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.58*	
		For Soffit, Columns Or Beams >10' High, Add	*3.36*	
		For Horizontal Installation Up To 10' High, Add	*0.89*	
		For Horizontal Installation >10' High, Add	*1.15*	
		For Curved Wall, Add	*0.78*	
		For 12" On Center, Add	*0.87*	
		For 24" On Center, Deduct	*-0.87*	
		For Up To 100, Add	*1.52*	
		For >100 To 300, Add	*0.76*	
		For >1,000, Deduct	*-0.49*	
09 22 16 13-0007		**20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners** *(09 22 16 13)*		
09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.02	0.87
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.80*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.16*	
		For Soffit, Columns Or Beams >10' High, Add	*2.82*	
		For Horizontal Installation Up To 10' High, Add	*0.73*	
		For Horizontal Installation >10' High, Add	*0.95*	
		For Curved Wall, Add	*0.66*	
		For 12" On Center, Add	*0.69*	
		For 24" On Center, Deduct	*-0.69*	
		For Up To 100, Add	*1.24*	
		For >100 To 300, Add	*0.62*	
		For >1,000, Deduct	*-0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.45	0.92
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.89*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.29*	
		For Soffit, Columns Or Beams >10' High, Add	*2.99*	
		For Horizontal Installation Up To 10' High, Add	*0.79*	
		For Horizontal Installation >10' High, Add	*1.02*	
		For Curved Wall, Add	*0.69*	
		For 12" On Center, Add	*0.77*	
		For 24" On Center, Deduct	*-0.77*	
		For Up To 100, Add	*1.35*	
		For >100 To 300, Add	*0.68*	
		For >1,000, Deduct	*-0.44*	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.97	0.96
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.99*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.44*	
		For Soffit, Columns Or Beams >10' High, Add	*3.17*	
		For Horizontal Installation Up To 10' High, Add	*0.86*	
		For Horizontal Installation >10' High, Add	*1.10*	
		For Curved Wall, Add	*0.73*	
		For 12" On Center, Add	*0.87*	
		For 24" On Center, Deduct	*-0.87*	
		For Up To 100, Add	*1.48*	
		For >100 To 300, Add	*0.74*	
		For >1,000, Deduct	*-0.50*	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners	5.29	1.01
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.06*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.56*	
		For Soffit, Columns Or Beams >10' High, Add	*3.32*	
		For Horizontal Installation Up To 10' High, Add	*0.91*	
		For Horizontal Installation >10' High, Add	*1.16*	
		For Curved Wall, Add	*0.76*	
		For 12" On Center, Add	*0.93*	
		For 24" On Center, Deduct	*-0.93*	
		For Up To 100, Add	*1.57*	
		For >100 To 300, Add	*0.78*	
		For >1,000, Deduct	*-0.54*	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.61	1.06
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.52*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.90*	
		For Soffit, Columns Or Beams >10' High, Add	*3.70*	
		For Horizontal Installation Up To 10' High, Add	*1.16*	
		For Horizontal Installation >10' High, Add	*1.43*	
		For Curved Wall, Add	*0.80*	
		For 12" On Center, Add	*1.39*	
		For 24" On Center, Deduct	*-1.39*	
		For Up To 100, Add	*2.06*	
		For >100 To 300, Add	*1.03*	
		For >1,000, Deduct	*-0.87*	

09 22 16 13-0013 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	6.38	0.94
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.28*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.53*	
		For Soffit, Columns Or Beams >10' High, Add	*3.23*	
		For Horizontal Installation Up To 10' High, Add	*0.99*	
		For Horizontal Installation >10' High, Add	*1.23*	
		For Curved Wall, Add	*0.71*	
		For 12" On Center, Add	*1.16*	
		For 24" On Center, Deduct	*-1.16*	
		For Up To 100, Add	*1.75*	
		For >100 To 300, Add	*0.87*	
		For >1,000, Deduct	*-0.72*	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.10	0.99
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.42*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.70*	
		For Soffit, Columns Or Beams >10' High, Add	*3.45*	
		For Horizontal Installation Up To 10' High, Add	*1.08*	
		For Horizontal Installation >10' High, Add	*1.33*	
		For Curved Wall, Add	*0.75*	
		For 12" On Center, Add	*1.30*	
		For 24" On Center, Deduct	*-1.30*	
		For Up To 100, Add	*1.92*	
		For >100 To 300, Add	*0.96*	
		For >1,000, Deduct	*-0.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.64	1.04
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.53*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.84*	
		For Soffit, Columns Or Beams >10' High, Add	*3.62*	
		For Horizontal Installation Up To 10' High, Add	*1.15*	
		For Horizontal Installation >10' High, Add	*1.41*	
		For Curved Wall, Add	*0.78*	
		For 12" On Center, Add	*1.40*	
		For 24" On Center, Deduct	*-1.40*	
		For Up To 100, Add	*2.05*	
		For >100 To 300, Add	*1.02*	
		For >1,000, Deduct	*-0.89*	
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	10.16	1.09
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*2.03*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.21*	
		For Soffit, Columns Or Beams >10' High, Add	*4.03*	
		For Horizontal Installation Up To 10' High, Add	*1.43*	
		For Horizontal Installation >10' High, Add	*1.70*	
		For Curved Wall, Add	*0.82*	
		For 12" On Center, Add	*1.90*	
		For 24" On Center, Deduct	*-1.90*	
		For Up To 100, Add	*2.58*	
		For >100 To 300, Add	*1.29*	
		For >1,000, Deduct	*-1.25*	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	11.09	1.16
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*2.22*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.41*	
		For Soffit, Columns Or Beams >10' High, Add	*4.27*	
		For Horizontal Installation Up To 10' High, Add	*1.54*	
		For Horizontal Installation >10' High, Add	*1.83*	
		For Curved Wall, Add	*0.86*	
		For 12" On Center, Add	*2.07*	
		For 24" On Center, Deduct	*-2.07*	
		For Up To 100, Add	*2.79*	
		For >100 To 300, Add	*1.40*	
		For >1,000, Deduct	*-1.38*	

09 22 16 13-0019 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	6.82	0.96
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.36*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.63*	
		For Soffit, Columns Or Beams >10' High, Add	*3.36*	
		For Horizontal Installation Up To 10' High, Add	*1.05*	
		For Horizontal Installation >10' High, Add	*1.29*	
		For Curved Wall, Add	*0.73*	
		For 12" On Center, Add	*1.24*	
		For 24" On Center, Deduct	*-1.24*	
		For Up To 100, Add	*1.85*	
		For >100 To 300, Add	*0.93*	
		For >1,000, Deduct	*-0.78*	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	8.10	1.01
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.62*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.84*	
		For Soffit, Columns Or Beams >10' High, Add	*3.60*	
		For Horizontal Installation Up To 10' High, Add	*1.19*	
		For Horizontal Installation >10' High, Add	*1.45*	
		For Curved Wall, Add	*0.76*	
		For 12" On Center, Add	*1.49*	
		For 24" On Center, Deduct	*-1.49*	
		For Up To 100, Add	*2.13*	
		For >100 To 300, Add	*1.06*	
		For >1,000, Deduct	*-0.96*	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	8.58	1.06
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.72*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.99*	
		For Soffit, Columns Or Beams >10' High, Add	*3.80*	
		For Horizontal Installation Up To 10' High, Add	*1.26*	
		For Horizontal Installation >10' High, Add	*1.53*	
		For Curved Wall, Add	*0.80*	
		For 12" On Center, Add	*1.58*	
		For 24" On Center, Deduct	*-1.58*	
		For Up To 100, Add	*2.25*	
		For >100 To 300, Add	*1.13*	
		For >1,000, Deduct	*-1.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	11.00	1.12
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*2.20*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.34*	
		For Soffit, Columns Or Beams >10' High, Add	*4.18*	
		For Horizontal Installation Up To 10' High, Add	*1.52*	
		For Horizontal Installation >10' High, Add	*1.80*	
		For Curved Wall, Add	*0.84*	
		For 12" On Center, Add	*2.06*	
		For 24" On Center, Deduct	*-2.06*	
		For Up To 100, Add	*2.76*	
		For >100 To 300, Add	*1.38*	
		For >1,000, Deduct	*-1.37*	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	12.16	1.19
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*2.43*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.57*	
		For Soffit, Columns Or Beams >10' High, Add	*4.45*	
		For Horizontal Installation Up To 10' High, Add	*1.66*	
		For Horizontal Installation >10' High, Add	*1.95*	
		For Curved Wall, Add	*0.88*	
		For 12" On Center, Add	*2.29*	
		For 24" On Center, Deduct	*-2.29*	
		For Up To 100, Add	*3.02*	
		For >100 To 300, Add	*1.51*	
		For >1,000, Deduct	*-1.53*	

09 22 16 13-0025 Galvanized Steel Backing Plates *(09 22 16 13)*

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate	1.67
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate	2.04
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate	2.59
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate	3.18
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate	3.74
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate	4.45
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate	2.13
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate	2.63
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate	3.48
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate	4.35
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate	5.23
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate	6.21
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate	2.88
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate	3.57
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate	4.83
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate	6.09
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate	7.45
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate	8.77
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate	3.39
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate	4.24
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate	5.83
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate	7.42
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate	9.12
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate	10.77

09 22 36 Lath *(09 22)*

09 22 36 13 Gypsum Lath *(09 22 36)*

09 22 36 13-0001 Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.71	0.57
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.58*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	2.36	0.66
		For Walls >10' High, Add	*0.17*	
		For Up To 100, Add	*0.67*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	3.00	0.76
		For Walls >10' High, Add	*0.19*	
		For Up To 100, Add	*0.76*	
		For >100 To 500, Add	*0.38*	
		For >5,000, Deduct	*-0.15*	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.16	0.80
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.88	0.92
		For Ceilings >10' High, Add	*0.28*	
		For Up To 100, Add	*0.93*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	3.61	1.06
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.62	1.02
		For Columns And Beams >10' High, Add	*0.31*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	3.41	1.19
		For Columns And Beams >10' High, Add	*0.36*	
		For Up To 100, Add	*1.19*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	4.21	1.38
		For Columns And Beams >10' High, Add	*0.41*	
		For Up To 100, Add	*1.36*	
		For >100 To 500, Add	*0.68*	
		For >5,000, Deduct	*-0.27*	
09 22 36 13-0011		**Firestop Plaster Base Gypsum Panels** *(09 22 36 13)*		
09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.38	0.57
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.58*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.77	0.66
		For Walls >10' High, Add	*0.17*	
		For Up To 100, Add	*0.67*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.83	0.80
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	3.29	0.92
		For Ceilings >10' High, Add	*0.28*	
		For Up To 100, Add	*0.93*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.19*	
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	3.29	1.02
		For Columns And Beams >10' High, Add	*0.31*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	3.82	1.19
		For Columns And Beams >10' High, Add	*0.36*	
		For Up To 100, Add	*1.19*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	
09 22 36 13-0018		**Foil Back Plaster Base Gypsum Panels** *(09 22 36 13)*		
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.38	0.57
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.58*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.77	0.66
		For Walls >10' High, Add	*0.17*	
		For Up To 100, Add	*0.67*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.83	0.80
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	3.29	0.92
		For Ceilings >10' High, Add	*0.28*	
		For Up To 100, Add	*0.93*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.19*	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.29	1.02
		For Columns And Beams >10' High, Add	*0.31*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.82	1.19
		For Columns And Beams >10' High, Add	*0.36*	
		For Up To 100, Add	*1.19*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	

09 22 36 23 Metal Lath *(09 22 36)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0001		**Flat Diamond, Expanded Metal Lath** *(09 22 36 23)*		
09 22 36 23-0002	SF	1.75 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.81	0.79
		For Walls >10' High, Add	*0.22*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.89*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.18*	
09 22 36 23-0003	SF	2 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.94	0.79
		For Walls >10' High, Add	*0.22*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.89*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.18*	
09 22 36 23-0004	SF	2.5 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.07	0.79
		For Walls >10' High, Add	*0.22*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.89*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.18*	
09 22 36 23-0005	SF	3.4 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.52	0.84
		For Walls >10' High, Add	*0.24*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0006	SF	1.75 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.06	0.90
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0007	SF	2 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.19	0.90
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0008	SF	2.5 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.32	0.90
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0009	SF	3.4 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.66	0.90
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0010	SF	1.75 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.04	1.27
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.41*	
		For >100 To 500, Add	*0.71*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0011	SF	2 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.17	1.27
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.41*	
		For >100 To 500, Add	*0.71*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0012	SF	2.5 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.30	1.27
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.41*	
		For >100 To 500, Add	*0.71*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0013	SF	3.4 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	5.35	1.60
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.77*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	
09 22 36 23-0014		**Self-Furring, Flat Diamond, Expanded Metal Lath** *(09 22 36 23)*		
09 22 36 23-0015	SF	1.75 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	2.92	0.84
		For Walls >10' High, Add	*0.24*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0016	SF	2.0 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.05	0.84
		For Walls >10' High, Add	*0.24*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0017	SF	2.5 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.18	0.84
		For Walls >10' High, Add	*0.24*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0018	SF	3.4 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.52	0.84
		For Walls >10' High, Add	*0.24*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0019	SF	1.75 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.75	1.60
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.77*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	
09 22 36 23-0020	SF	2.0 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.88	1.60
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.77*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	
09 22 36 23-0021	SF	2.5 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.01	1.60
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.77*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	
09 22 36 23-0022	SF	3.4 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.85	1.82
		For Columns And Beams >10' High, Add	*0.60*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*2.02*	
		For >100 To 500, Add	*1.01*	
		For >5,000, Deduct	*-0.40*	
09 22 36 23-0023		High Rib Metal Lath *(09 22 36 23)*		
09 22 36 23-0024	SF	2.75 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.43	0.90
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0025	SF	3.4 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.62	0.90
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0026	SF	3.4 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.74	0.90
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0027	SF	4.0 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.96	0.90
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 33		**Fiberglass Lath** *(09 22 36)*		
09 22 36 33-0001		Non-Metallic, Fiberglass Lath *(09 22 36 33)*		
09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.74	0.90
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.99	0.90
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.60	0.84
		For Walls >10' High, Add	*0.24*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.85	0.84
		For Walls >10' High, Add	*0.24*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	

09 23 Gypsum Plastering *(09 20)*

09 23 13 Acoustical Gypsum Plastering *(09 23)*

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		lath.		
09 23 13 00-0001		**Casing And Corner Beads** *(09 23 13)*		
09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	5.23	1.27
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	5.24	1.27
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	5.57	1.27
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	5.03	1.27
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	5.07	1.27
09 23 13 00-0007		**Trim** *(09 23 13)*		
09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	5.62	1.27
		For Vinyl Instead Of Galvanized, Add	*0.33*	
		For Zinc Instead Of Galvanized, Add	*2.21*	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	5.62	1.27
		For Vinyl Instead Of Galvanized, Add	*0.33*	
		For Zinc Instead Of Galvanized, Add	*2.21*	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	5.62	1.27
		For Vinyl Instead Of Galvanized, Add	*0.33*	
		For Zinc Instead Of Galvanized, Add	*2.21*	
09 23 13 00-0011		**Plaster Forms And Expansion Joints** *(09 23 13)*		
09 23 13 00-0012	LF	3/4" Galvanized Expansion Joint For Plaster Applications	6.16	1.27
09 23 13 00-0013		**One Skim Coat Gypsum Plaster On Walls** *(09 23 13)*		
09 23 13 00-0014	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.48	
		For Walls >10' High, Add	*0.13*	
		For Horizontal Installation Up To 10' High, Add	*0.19*	
		For Horizontal Installation >10' High, Add	*0.38*	
		For Columns Or Beams Up To 10' High, Add	*0.40*	
		For Columns Or Beams >10' High, Add	*0.59*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.26*	
09 23 13 00-0015	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	1.07	
		For Walls >10' High, Add	*0.09*	
		For Horizontal Installation Up To 10' High, Add	*0.14*	
		For Horizontal Installation >10' High, Add	*0.28*	
		For Columns Or Beams Up To 10' High, Add	*0.29*	
		For Columns Or Beams >10' High, Add	*0.42*	
		For Up To 100, Add	*0.46*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.18*	
09 23 13 00-0016		**Two Coats Gypsum Plaster On Walls** *(09 23 13)*		
09 23 13 00-0017	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	7.40	4.27
		For Walls >10' High, Add	*0.70*	
		For Horizontal Installation Up To 10' High, Add	*1.06*	
		For Horizontal Installation >10' High, Add	*2.11*	
		For Columns Or Beams Up To 10' High, Add	*2.18*	
		For Columns Or Beams >10' High, Add	*3.24*	
		For Up To 100, Add	*3.52*	
		For >100 To 500, Add	*1.76*	
		For >5,000, Deduct	*-1.41*	
09 23 13 00-0018	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	7.51	4.03
		For Walls >10' High, Add	*0.66*	
		For Horizontal Installation Up To 10' High, Add	*0.99*	
		For Horizontal Installation >10' High, Add	*1.98*	
		For Columns Or Beams Up To 10' High, Add	*2.05*	
		For Columns Or Beams >10' High, Add	*3.04*	
		For Up To 100, Add	*3.30*	
		For >100 To 500, Add	*1.65*	
		For >5,000, Deduct	*-1.32*	
09 23 13 00-0019	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	7.55	4.03
		For Walls >10' High, Add	*0.66*	
		For Horizontal Installation Up To 10' High, Add	*0.99*	
		For Horizontal Installation >10' High, Add	*1.98*	
		For Columns Or Beams Up To 10' High, Add	*2.05*	
		For Columns Or Beams >10' High, Add	*3.04*	
		For Up To 100, Add	*3.30*	
		For >100 To 500, Add	*1.65*	
		For >5,000, Deduct	*-1.32*	
09 23 13 00-0020		**Three Coats Gypsum Plaster On Walls** *(09 23 13)*		
09 23 13 00-0021	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	8.92	5.19
		For Walls >10' High, Add	*0.84*	
		For Horizontal Installation Up To 10' High, Add	*1.26*	
		For Horizontal Installation >10' High, Add	*2.52*	
		For Columns Or Beams Up To 10' High, Add	*2.60*	
		For Columns Or Beams >10' High, Add	*3.86*	
		For Up To 100, Add	*4.20*	
		For >100 To 500, Add	*2.10*	
		For >5,000, Deduct	*-1.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0022	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	8.88	4.73
		For Walls >10' High, Add	*0.78*	
		For Horizontal Installation Up To 10' High, Add	*1.17*	
		For Horizontal Installation >10' High, Add	*2.34*	
		For Columns Or Beams Up To 10' High, Add	*2.42*	
		For Columns Or Beams >10' High, Add	*3.59*	
		For Up To 100, Add	*3.90*	
		For >100 To 500, Add	*1.95*	
		For >5,000, Deduct	*-1.56*	
09 23 13 00-0023	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	8.40	4.73
		For Walls >10' High, Add	*0.78*	
		For Horizontal Installation Up To 10' High, Add	*1.16*	
		For Horizontal Installation >10' High, Add	*2.33*	
		For Columns Or Beams Up To 10' High, Add	*2.41*	
		For Columns Or Beams >10' High, Add	*3.57*	
		For Up To 100, Add	*3.88*	
		For >100 To 500, Add	*1.94*	
		For >5,000, Deduct	*-1.55*	

09 23 13 00-0024 Plaster Bonding Agent *(09 23 13)*

09 23 13 00-0025	SF	1 Coat, Brush/Roller Applied Plaster Bonding Agent	0.83	
		For Walls >10' High, Add	*0.07*	
		For Columns Or Beams Up To 10' High, Add	*0.20*	
		For Columns Or Beams >10' High, Add	*0.30*	
		For Ceiling Application Up To 10' High, Add	*0.09*	
		For Ceiling Application >10' High, Add	*0.16*	

09 24 Cement Plastering *(09 20)*

09 24 13 Acoustical Cement Plastering *(09 24)*

09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 24 13)*

Note: Used for areas with higher than normal moisture.

09 24 13 00-0002	SF	1 Coat Keene's Cement Plaster On Walls	5.75	2.88
		For Walls >10' High, Add	*0.46*	
		For Horizontal Installation Up To 10' High, Add	*0.69*	
		For Horizontal Installation >10' High, Add	*1.38*	
		For Columns Or Beams Up To 10' High, Add	*1.43*	
		For Columns Or Beams >10' High, Add	*2.12*	
		For Up To 100, Add	*2.31*	
		For >100 To 500, Add	*1.15*	
		For >5,000, Deduct	*-0.92*	
09 24 13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls	8.75	4.50
		For Walls >10' High, Add	*0.73*	
		For Horizontal Installation Up To 10' High, Add	*1.10*	
		For Horizontal Installation >10' High, Add	*2.19*	
		For Columns Or Beams Up To 10' High, Add	*2.27*	
		For Columns Or Beams >10' High, Add	*3.36*	
		For Up To 100, Add	*3.66*	
		For >100 To 500, Add	*1.83*	
		For >5,000, Deduct	*-1.46*	
09 24 13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls	9.90	5.08
		For Walls >10' High, Add	*0.83*	
		For Horizontal Installation Up To 10' High, Add	*1.24*	
		For Horizontal Installation >10' High, Add	*2.48*	
		For Columns Or Beams Up To 10' High, Add	*2.56*	
		For Columns Or Beams >10' High, Add	*3.80*	
		For Up To 100, Add	*4.14*	
		For >100 To 500, Add	*2.07*	
		For >5,000, Deduct	*-1.65*	

09 24 23 Cement Stucco *(09 24)*

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco *(09 24 23)*

Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.

09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	11.07	3.58
		For Walls >10' High, Add	*0.98*	
		For Horizontal Installation Up To 10' High, Add	*1.47*	
		For Horizontal Installation >10' High, Add	*2.93*	
		For Columns Or Beams Up To 10' High, Add	*3.03*	
		For Columns Or Beams >10' High, Add	*4.49*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*2.05*	
		For Up To 100, Add	*4.89*	
		For >100 To 500, Add	*2.44*	
		For >5,000, Deduct	*-1.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.72	1.73
		For Walls >10' High, Add	*0.36*	
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*1.07*	
		For Columns Or Beams Up To 10' High, Add	*1.11*	
		For Columns Or Beams >10' High, Add	*1.65*	
		For Up To 100, Add	*1.79*	
		For >100 To 500, Add	*0.90*	
		For >5,000, Deduct	*-0.72*	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	7.29	1.73
		For Walls >10' High, Add	*0.63*	
		For Horizontal Installation Up To 10' High, Add	*0.95*	
		For Horizontal Installation >10' High, Add	*1.90*	
		For Columns Or Beams Up To 10' High, Add	*1.97*	
		For Columns Or Beams >10' High, Add	*2.92*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.74*	
		For Up To 100, Add	*3.17*	
		For >100 To 500, Add	*1.59*	
		For >5,000, Deduct	*-1.27*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.77	1.15
		For Walls >10' High, Add	*0.46*	
		For Horizontal Installation Up To 10' High, Add	*0.69*	
		For Horizontal Installation >10' High, Add	*1.38*	
		For Columns Or Beams Up To 10' High, Add	*1.43*	
		For Columns Or Beams >10' High, Add	*2.12*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.74*	
		For Up To 100, Add	*2.31*	
		For >100 To 500, Add	*1.15*	
		For >5,000, Deduct	*-0.92*	

09 24 33 Cement Parging *(09 24)*

09 24 33 00-0001 Cement Parging *(09 24 33)*

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	4.22
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	5.39
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	8.26

09 28 Backing Boards and Underlayments *(09 20)*

09 28 13 Cementitious Backing Boards *(09 28)*

09 28 13 00-0001 Cementitious Backer Units *(09 28 13)*
Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	4.48	0.85
		For Up To 50, Add	*3.66*	
		For >50 To 250, Add	*0.68*	
		For >1,000, Deduct	*-0.34*	
		For Installation On Wall, Add	*0.68*	
		For Installation On Ceiling, Add	*1.70*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	5.19	1.02
		For Up To 50, Add	*4.35*	
		For >50 To 250, Add	*0.81*	
		For >1,000, Deduct	*-0.41*	
		For Installation On Wall, Add	*0.81*	
		For Installation On Ceiling, Add	*2.04*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	6.32	1.19
		For Up To 50, Add	*5.14*	
		For >50 To 250, Add	*0.95*	
		For >1,000, Deduct	*-0.48*	
		For Installation On Wall, Add	*0.95*	
		For Installation On Ceiling, Add	*2.38*	

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield *(09 28 16)*
Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	3.91	0.95
		For Up To 50, Add	*2.81*	
		For >50 To 250, Add	*0.49*	
		For >1,000, Deduct	*-0.24*	
		For Installation On Wall, Add	*0.49*	
		For Installation On Ceiling, Add	*1.22*	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	4.75	1.09
		For Up To 50, Add	*3.23*	
		For >50 To 250, Add	*0.54*	
		For >1,000, Deduct	*-0.27*	
		For Installation On Wall, Add	*0.54*	
		For Installation On Ceiling, Add	*1.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 29 Gypsum Board *(09 20)*

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 29 10 Gypsum Board *(09 29)*

09 29 10 00-0001 Standard Gypsum Board Application *(09 29 10)*

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0003	SF	1/4" Gypsum Board	1.60	0.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.55*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.54*	
		For >128 To 320, Add	*0.32*	
		For >1,536, Deduct	*-0.13*	
09 29 10 00-0004	SF	3/8" Gypsum Board	1.73	0.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.59*	
		For >128 To 320, Add	*0.36*	
		For >1,536, Deduct	*-0.14*	
09 29 10 00-0005	SF	1/2" Gypsum Board	1.91	0.70
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.33*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.71*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.66*	
		For >128 To 320, Add	*0.40*	
		For >1,536, Deduct	*-0.15*	
09 29 10 00-0006	SF	5/8" Gypsum Board	2.25	0.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.81*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.77*	
		For >128 To 320, Add	*0.47*	
		For >1,536, Deduct	*-0.18*	

09 29 10 00-0007 Fire Rated Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0008 Type X, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board	2.39	0.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.61*	
		For Horizontal Installation >10' High, Add	*0.89*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.83*	
		For >128 To 320, Add	*0.51*	
		For >1,536, Deduct	*-0.18*	

09 29 10 00-0010 Type C, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board	2.19	0.70
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.36*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.53*	
		For Horizontal Installation >10' High, Add	*0.78*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.75*	
		For >128 To 320, Add	*0.45*	
		For >1,536, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0012	SF	5/8" Type C Fire Rated Gypsum Board	2.47	0.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.61*	
		For Horizontal Installation >10' High, Add	*0.89*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.85*	
		For >128 To 320, Add	*0.51*	
		For >1,536, Deduct	*-0.19*	
09 29 10 00-0013		Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 10 00-0007)*		
09 29 10 00-0014	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	3.34	0.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.61*	
		For Horizontal Installation >10' High, Add	*0.89*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.02*	
		For >128 To 320, Add	*0.60*	
		For >1,536, Deduct	*-0.32*	
09 29 10 00-0015		Moisture Resistant Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Water-resistant gypsum core.		
09 29 10 00-0016	SF	1/2" Moisture Resistant Gypsum Board	2.08	0.70
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.33*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.71*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.70*	
		For >128 To 320, Add	*0.42*	
		For >1,536, Deduct	*-0.17*	
09 29 10 00-0017	SF	5/8" Moisture Resistant Gypsum Board	2.68	0.70
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.81*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.86*	
		For >128 To 320, Add	*0.51*	
		For >1,536, Deduct	*-0.24*	
09 29 10 00-0018		Vinyl Faced Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Includes clips and adhesive.		
09 29 10 00-0019	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	4.03	0.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.31*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.05*	
		For >128 To 320, Add	*0.59*	
		For >1,536, Deduct	*-0.48*	
09 29 10 00-0020	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	4.22	0.70
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.71*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*1.13*	
		For >128 To 320, Add	*0.63*	
		For >1,536, Deduct	*-0.49*	
09 29 10 00-0021	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	4.43	0.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.81*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.21*	
		For >128 To 320, Add	*0.69*	
		For >1,536, Deduct	*-0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0022	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.84	0.70
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.39*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.53*	
		For Horizontal Installation >10' High, Add	*0.78*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*1.28*	
		For >128 To 320, Add	*0.72*	
		For >1,536, Deduct	*-0.57*	
09 29 10 00-0023	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	7.25	0.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.61*	
		For Horizontal Installation >10' High, Add	*0.89*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.81*	
		For >128 To 320, Add	*0.99*	
		For >1,536, Deduct	*-0.91*	

09 29 10 00-0024 Moisture And Mold Resistant Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0025	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.41	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.33*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.71*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.76*	
		For >128 To 320, Add	*0.45*	
		For >1,536, Deduct	*-0.22*	
09 29 10 00-0026	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.85	0.77
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.81*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.89*	
		For >128 To 320, Add	*0.53*	
		For >1,536, Deduct	*-0.27*	
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.85	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.37*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.53*	
		For Horizontal Installation >10' High, Add	*0.78*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.88*	
		For >128 To 320, Add	*0.52*	
		For >1,536, Deduct	*-0.27*	
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	3.19	0.77
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.61*	
		For Horizontal Installation >10' High, Add	*0.89*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.99*	
		For >128 To 320, Add	*0.59*	
		For >1,536, Deduct	*-0.30*	

09 29 10 00-0029 Impact Resistant Gypsum Board *(09 29 10 00-0001)*

Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant

09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	4.36	0.77
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.19*	
		For >128 To 320, Add	*0.68*	
		For >1,536, Deduct	*-0.49*	

09 29 10 00-0031 Abuse Resistant Gypsum Board *(09 29 10 00-0001)*

Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®)	2.91	0.77
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.90*	
		For >128 To 320, Add	*0.53*	
		For >1,536, Deduct	*-0.28*	

09 29 10 00-0033 Noise Reducing Gypsum Board *(09 29 10 00-0001)*

09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	5.29	0.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.82*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.38*	
		For >128 To 320, Add	*0.77*	
		For >1,536, Deduct	*-0.63*	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	6.35	0.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.82*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.60*	
		For >128 To 320, Add	*0.88*	
		For >1,536, Deduct	*-0.79*	

09 29 10 00-0036 Finishing Gypsum Board Applications *(09 29 10)*

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.95
		For Up To 128, Add	*0.36*
		For >128 To 320, Add	*0.22*
		For >5,400, Deduct	*-0.10*
		For ASTM C840 Level 1 Finish, Deduct	*-0.45*
		For ASTM C840 Level 2 Finish, Deduct	*-0.22*
		For ASTM C840 Level 3 Finish, Deduct	*-0.09*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.70*
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.70*
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board	1.25
		Note: Use this task for the entire wall area when the wall is >10' high.	
		For Up To 128, Add	*0.48*
		For >128 To 320, Add	*0.30*
		For >5,400, Deduct	*-0.13*
		For ASTM C840 Level 1 Finish, Deduct	*-0.60*
		For ASTM C840 Level 2 Finish, Deduct	*-0.30*
		For ASTM C840 Level 3 Finish, Deduct	*-0.12*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.92*
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.92*

09 29 10 00-0040 Finish Gypsum Board Ceilings, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	1.23
		For Up To 128, Add	*0.47*
		For >128 To 320, Add	*0.29*
		For >5,400, Deduct	*-0.12*
		For ASTM C840 Level 1 Finish, Deduct	*-0.59*
		For ASTM C840 Level 2 Finish, Deduct	*-0.29*
		For ASTM C840 Level 3 Finish, Deduct	*-0.12*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.91*
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.91*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.64	
		For Up To 128, Add	*0.64*	
		For >128 To 320, Add	*0.40*	
		For >5,400, Deduct	*-0.16*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.79*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.40*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.16*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.22*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*1.22*	
09 29 10 00-0043		**Finish Gypsum Board Vertical Corners, ASTM C840 Level 4** *(09 29 10 00-0036)* Note: Inside or outside gypsum board corners.		
09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.87	
		For ASTM C840 Level 1 Finish, Deduct	*-0.87*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.43*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.18*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.37*	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	2.23	
		For ASTM C840 Level 1 Finish, Deduct	*-1.05*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.52*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.21*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.64*	
09 29 10 00-0046		**Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4** *(09 29 10 00-0036)* Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	2.17	
		For ASTM C840 Level 1 Finish, Deduct	*-1.02*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.51*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.21*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.59*	
09 29 10 00-0048	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	2.61	
		For ASTM C840 Level 1 Finish, Deduct	*-1.24*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.62*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.25*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.92*	
09 29 10 00-0049		**Casing And Corner Beads** *(09 29 10)*		
09 29 10 00-0050	LF	Casing, Galvanized Steel J-Bead For Gypsum Board	5.12	1.36
		For Up To 100, Add	*0.39*	
		For >500, Deduct	*-0.26*	
09 29 10 00-0051	LF	Corner Bead, Galvanized Steel For Gypsum Board	4.75	1.36
		For Up To 100, Add	*0.32*	
		For >500, Deduct	*-0.24*	
09 29 10 00-0052		**Preformed Architectural Profiles** *(09 29 10)*		
09 29 10 00-0053		**Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0054	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.48	1.63
09 29 10 00-0055	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.52	1.63
09 29 10 00-0056	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.72	1.63
09 29 10 00-0057	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.82	1.63
09 29 10 00-0058	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.07	1.63
09 29 10 00-0059	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.32	1.63
09 29 10 00-0060	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.56	1.63
09 29 10 00-0061	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.36	1.63
09 29 10 00-0062	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.15	1.63
09 29 10 00-0063	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.65	1.77
09 29 10 00-0064	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.65	1.77
09 29 10 00-0065	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.19	1.77
09 29 10 00-0066	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.29	1.77
09 29 10 00-0067	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.64	1.77
09 29 10 00-0068	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.78	1.77
09 29 10 00-0069	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.98	1.77
09 29 10 00-0070	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.87	1.77
09 29 10 00-0071	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.76	1.77
09 29 10 00-0072	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	13.37	2.03
09 29 10 00-0073	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	14.85	2.03
09 29 10 00-0074		**Edge Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0075	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	5.96	1.70
09 29 10 00-0076	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	6.36	1.70
09 29 10 00-0077	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board	7.43	1.87
09 29 10 00-0078	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	7.80	2.03
09 29 10 00-0079	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	10.91	1.70
09 29 10 00-0080	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	11.31	1.70
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	12.38	1.87
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	12.75	2.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0083		**Bevel Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	6.36	1.70
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	7.28	1.87
09 29 10 00-0086		**Trim/Wainscot Caps For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	8.64	2.03
09 29 10 00-0088		**Single Fin Wall/Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.13	1.09
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.23	1.22
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.18	1.36
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.64	1.49
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.06	1.63
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.21	1.63
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.65	1.63
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.49	1.63
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.79	1.63
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.64	1.77
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.73	1.77
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.28	1.77
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.53	1.77
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.72	1.77
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.97	1.77
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.32	1.77
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.21	1.77
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.95	1.77
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	13.32	1.77
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	17.88	1.77
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	12.43	1.77
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	12.83	1.77
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	14.17	1.77
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	14.31	1.77
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	16.24	1.77
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	13.37	1.77
09 29 10 00-0115		**'V' Groove Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	9.55	2.44
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	10.94	2.72
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.46	3.26
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.70	3.53
09 29 10 00-0120		**Double Fin Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.85	1.63
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.95	1.63
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.05	1.63
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.05	1.63
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.49	1.63
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.69	1.61
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.89	1.63
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.33	1.63
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.08	1.63
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.87	1.63
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.37	1.77
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.47	1.77
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.66	1.77
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.11	1.77
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.31	1.77
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.46	1.77
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.95	1.77
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.74	1.77
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.53	1.77
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	14.66	1.77
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.11	1.77
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	17.21	1.93
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.60	2.35
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	20.24	2.35
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	15.63	1.61
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	14.60	2.35
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	10.48	1.61
09 29 10 00-0148		**Special Conditions Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0149		**Radius Conditions** *(09 29 10 00-0148)*		
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	123.67	
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	123.67	
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	123.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0153		**Knee Brace Kit** *(09 29 10 00-0148)*		
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	271.35	16.95
09 29 10 00-0155		**Wall Bumper Rail** *(09 29 10 00-0148)*		
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	38.29	6.78
09 29 10 00-0157		**Corners For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.21	1.63
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.77	1.77
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.73	1.84
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.83	1.93
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.12	2.35
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	15.19	2.64
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.42	3.03
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	22.35	3.53
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	30.69	4.71
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	8.19	1.57
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	14.93	2.12
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	10.82	2.12
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	19.28	2.12
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	27.36	2.64
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	26.27	2.64
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	8.09	1.84
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	8.13	1.77
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.16	1.63
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.58	1.77
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	11.47	1.93
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.09	1.63
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.65	1.77
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	15.52	1.93
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	17.01	1.63
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	29.32	3.53
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	31.30	3.53
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	57.88	5.88
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	95.83	8.34
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	9.76	1.81
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	11.12	1.90
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.37	2.32
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.38	2.61
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	23.12	2.99
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	25.02	3.48
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	28.52	4.64
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.19	3.48
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.44	3.48
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	20.02	3.48
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	20.52	3.48

09 29 82 Gypsum Board Fire Protection *(09 29)*

09 29 82 00-0001 Shaft Wall *(09 29 82)*

See CSI section 09 29 10 00-0036 for finishing drywall.

09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	8.38	3.39
		For Horizontal Installation Up To 10' High, Add	*2.31*	
		For Horizontal Installation >10' High, Add	*3.39*	
		For Walls >10' High, Add	*0.54*	
		For Up To 128, Add	*3.03*	
		For >128 To 320, Add	*1.86*	
		For >1,536, Deduct	*-0.58*	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	9.78	4.07
		For Horizontal Installation Up To 10' High, Add	*2.77*	
		For Horizontal Installation >10' High, Add	*4.07*	
		For Walls >10' High, Add	*0.65*	
		For Up To 128, Add	*3.58*	
		For >128 To 320, Add	*2.20*	
		For >1,536, Deduct	*-0.65*	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	8.92	2.61
		For Horizontal Installation Up To 10' High, Add	*1.77*	
		For Horizontal Installation >10' High, Add	*2.61*	
		For Walls >10' High, Add	*0.42*	
		For Up To 128, Add	*2.83*	
		For >128 To 320, Add	*1.68*	
		For Glass Mat Surfaces, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	9.60	2.74
		For Horizontal Installation Up To 10' High, Add	*1.86*	
		For Horizontal Installation >10' High, Add	*2.74*	
		For Walls >10' High, Add	*0.44*	
		For Up To 128, Add	*3.02*	
		For >128 To 320, Add	*1.78*	
		For Glass Mat Surfaces, Add	*0.36*	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	10.72	2.74
		For Horizontal Installation Up To 10' High, Add	*1.86*	
		For Horizontal Installation >10' High, Add	*2.74*	
		For Walls >10' High, Add	*0.44*	
		For Up To 128, Add	*3.24*	
		For >128 To 320, Add	*1.89*	
		For Glass Mat Surfaces, Add	*0.36*	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	11.44	2.88
		For Horizontal Installation Up To 10' High, Add	*1.96*	
		For Horizontal Installation >10' High, Add	*2.88*	
		For Walls >10' High, Add	*0.46*	
		For Up To 128, Add	*3.44*	
		For >128 To 320, Add	*2.01*	
		For Glass Mat Surfaces, Add	*0.36*	

09 30 Tiling *(09)*

Note: All tiles are standard comercial grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods.

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	18.03	3.42
		For Up To 50, Add	*9.62*	
		For >50 To 250, Add	*1.36*	
		For >1,000, Deduct	*-0.68*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.48*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.66*	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Ceramic Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	12.66	3.42
		For Up To 50, Add	*8.28*	
		For >50 To 250, Add	*1.36*	
		For >1,000, Deduct	*-0.68*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.48*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.66*	
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Ceramic Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	14.37	2.13
		For Up To 50, Add	*9.99*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.92*	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	19.49	4.14
		For Up To 50, Add	*11.08*	
		For >50 To 250, Add	*1.66*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.70*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.88*	
09 30 13 00-0006	SF	Less than 8" x 8" Mounted Ceramic Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	14.12	4.14
		For Up To 50, Add	*9.74*	
		For >50 To 250, Add	*1.66*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.70*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.88*	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	16.31	2.62
		For Up To 50, Add	*11.93*	
		For >50 To 250, Add	*2.09*	
		For >1,000, Deduct	*-1.05*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.03*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	20.18	7.17
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.61*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.79*	
		For Up To 50, Add	*15.80*	
		For >50 To 250, Add	*2.87*	
		For >1,000, Deduct	*-1.43*	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	23.05	4.30
		For High-Modulus, High-Strength Epoxy Grout, Add	*3.04*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*3.22*	
		For Up To 50, Add	*18.67*	
		For >50 To 250, Add	*3.44*	
		For >1,000, Deduct	*-1.72*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	13.40	2.98
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.02*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.11*	
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	21.89	2.98
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.02*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.11*	
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	24.60	2.98
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.02*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.11*	
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner	19.32	0.65

09 30 13 00-0014 Residential Ceramic Tiling *(09 30 13)*

09 30 13 00-0015	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	12.78	3.42
		For Up To 50, Add	*8.31*	
		For >50 To 250, Add	*1.36*	
		For >1,000, Deduct	*-0.68*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.48*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile Note: With or without embedded abrasive grit.	13.89	2.40
		For Up To 50, Add	*10.64*	
		For >50 To 250, Add	*1.91*	
		For >1,000, Deduct	*-0.96*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.89*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.07*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	27.62	2.40
		For Up To 50, Add	*14.07*	
		For >50 To 250, Add	*1.91*	
		For >1,000, Deduct	*-0.96*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.89*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.07*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile Note: With or without embedded abrasive grit.	15.81	2.84
		For Up To 50, Add	*12.56*	
		For >50 To 250, Add	*2.29*	
		For >1,000, Deduct	*-1.15*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.18*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.36*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	29.54	2.84
		For Up To 50, Add	*15.99*	
		For >50 To 250, Add	*2.29*	
		For >1,000, Deduct	*-1.15*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.18*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.36*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	19.51	3.16
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.12*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.21*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	42.02	3.16
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.12*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.21*	

09 30 33 Stone Tiling *(09 30)*

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 33 00-0001 Marble Floor Tile *(09 30 33)*

09 30 33 00-0002	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom"	12.51	2.13
		For Up To 50, Add	*9.53*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0003	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown"	12.88	2.13
		For Up To 50, Add	*9.62*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0004	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray"	13.08	2.13
		For Up To 50, Add	*9.67*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0005	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe"	13.17	2.13
		For Up To 50, Add	*9.69*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0006	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black"	13.22	2.13
		For Up To 50, Add	*9.70*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0007	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed"	13.31	2.13
		For Up To 50, Add	*9.73*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0008	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula"	13.51	2.13
		For Up To 50, Add	*9.78*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0009	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green"	14.80	2.13
		For Up To 50, Add	*10.10*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0010	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light"	14.94	2.13
		For Up To 50, Add	*10.13*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0011	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream"	15.21	2.13
		For Up To 50, Add	*10.20*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0012	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic"	15.51	2.13
		For Up To 50, Add	*10.28*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0013	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara"	15.72	2.13
		For Up To 50, Add	*10.33*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0014	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx"	16.44	2.13
		For Up To 50, Add	*10.51*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0015	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest"	17.77	2.13
		For Up To 50, Add	*10.84*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0016	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato"	17.86	2.13
		For Up To 50, Add	*10.86*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0017	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White"	18.85	2.13
		For Up To 50, Add	*11.11*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0018	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold"	19.19	2.13
		For Up To 50, Add	*11.20*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0019	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo"	19.34	2.13
		For Up To 50, Add	*11.23*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0020	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique"	19.56	2.13
		For Up To 50, Add	*11.29*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0021	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass"	21.41	2.13
		For Up To 50, Add	*11.75*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0022	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona"	22.46	2.13
		For Up To 50, Add	*12.01*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0023	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante"	22.75	2.13
		For Up To 50, Add	*12.09*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0024	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light"	22.89	2.13
		For Up To 50, Add	*12.12*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0025 Granite Floor Tile *(09 30 33)*

09 30 33 00-0026	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray"	11.52	2.13
		For Up To 50, Add	*9.28*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0027	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower"	12.23	2.13
		For Up To 50, Add	*9.46*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0028	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow"	12.80	2.13
		For Up To 50, Add	*9.60*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0029	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black"	15.07	2.13
		For Up To 50, Add	*10.17*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0030	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown"	15.51	2.13
		For Up To 50, Add	*10.28*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0031	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	15.92	2.13
		For Up To 50, Add	*10.38*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0032	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	16.35	2.13
		For Up To 50, Add	*10.49*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0033	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia"	16.86	2.13
		For Up To 50, Add	*10.61*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0034	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	17.35	2.13
		For Up To 50, Add	*10.74*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0035	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	17.86	2.13
		For Up To 50, Add	*10.86*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0036	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	18.34	2.13
		For Up To 50, Add	*10.98*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0037	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	18.91	2.13
		For Up To 50, Add	*11.13*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0038	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	19.48	2.13
		For Up To 50, Add	*11.27*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0039	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	21.47	2.13
		For Up To 50, Add	*11.77*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0040 Slate Floor Tile *(09 30 33)*

09 30 33 00-0041	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	10.66	2.13
		For Up To 50, Add	*9.06*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0042	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	11.03	2.13
		For Up To 50, Add	*9.16*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0043	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	11.23	2.13
		For Up To 50, Add	*9.21*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0044	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	11.23	2.13
		For Up To 50, Add	*9.21*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0045	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	11.37	2.13
		For Up To 50, Add	*9.24*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0046	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	11.80	2.13
		For Up To 50, Add	*9.35*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0047	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	12.23	2.13
		For Up To 50, Add	*9.46*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0048	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	12.37	2.13
		For Up To 50, Add	*9.49*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0049 Travertine Floor Tile *(09 30 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0050	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	12.23	2.13
		For Up To 50, Add	*9.46*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0051	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	12.65	2.13
		For Up To 50, Add	*9.56*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0052	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	12.94	2.13
		For Up To 50, Add	*9.63*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0053	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	13.36	2.13
		For Up To 50, Add	*9.74*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0054	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	13.51	2.13
		For Up To 50, Add	*9.78*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0055	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique"	13.65	2.13
		For Up To 50, Add	*9.81*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0056	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream"	15.01	2.13
		For Up To 50, Add	*10.15*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0057		**Limestone Floor Tile** *(09 30 33)*		
09 30 33 00-0058	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold"	14.93	2.13
		For Up To 50, Add	*10.13*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0059	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	15.36	2.13
		For Up To 50, Add	*10.24*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0060	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	17.57	2.13
		For Up To 50, Add	*10.79*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0061	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	18.91	2.13
		For Up To 50, Add	*11.13*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0062	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jersusalem Bone"	18.91	2.13
		For Up To 50, Add	*11.13*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0063	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	19.34	2.13
		For Up To 50, Add	*11.23*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0064	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	20.90	2.13
		For Up To 50, Add	*11.62*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 31 Thin-Set Tiling *(09 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling *(09 31)*

09 31 13 00-0001 Thin-Set Ceramic Tiling *(09 31 13)*

09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	1.96	1.13
		For Up To 50, Add	*1.77*	
		For >50 To 250, Add	*0.34*	
		For >1,000, Deduct	*-0.17*	
09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	1.09	
		For Up To 50, Add	*1.09*	
		For >50 To 250, Add	*0.22*	
		For >1,000, Deduct	*-0.11*	

09 32 Mortar-Bed Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling *(09 32)*

09 32 13 00-0001 Mortar-Bed Ceramic Tiling *(09 32 13)*

09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For residential floors. Includes 15 Lb. felt and wire reinforcement.	4.91	2.27
		For Up To 50, Add	*3.79*	
		For >50 To 250, Add	*0.68*	
		For >1,000, Deduct	*-0.34*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For commercial floors. Includes 15 Lb. felt and wire reinforcement.	7.00	3.04
		For Up To 50, Add	*5.17*	
		For >50 To 250, Add	*0.91*	
		For >1,000, Deduct	*-0.46*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls Note: Includes 15 Lb. felt and expanded metal lath.	16.05	6.82
		For Up To 50, Add	*14.26*	
		For >50 To 250, Add	*2.73*	
		For >1,000, Deduct	*-1.37*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
		For Installation Without Felt And Metal Lath, Deduct	*-2.34*	

09 34 Waterproofing-Membrane Tiling *(09 30)*

09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds *(09 34)*

09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) *(09 34 00 00-0001)*

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,472.19
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,703.45
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	2,519.01

09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps *(09 34 00 00-0001)*

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	178.72
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	170.22

09 34 00 00-0009 Prefabricated Polystyrene Shower Benches *(09 34 00 00-0001)*

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	363.90
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	729.25
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	899.75
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	656.18
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	729.25
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	777.97

09 34 00 00-0016 Prefabricated Polystyrene Shower Tray *(09 34 00 00-0001)*

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	312.68
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	312.68
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	483.18

09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) *(09 34 00 00-0001)*

09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	5.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	6.32	
09 34 00 00-0023		Bonded Waterproof Underlayment Membranes (Schluter® KERDI) *(09 34 00 00-0001)*		
09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	4.81	

09 35 Chemical-Resistant Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling *(09 35)*

09 35 13 00-0001		Chemical-Resistant Ceramic Tiling *(09 35 13)*		
09 35 13 00-0002	SF	Thin Set - Epoxy Mortar	6.35	1.50
		Note: Impact and chemical resistant.		
		For Up To 50, Add	*3.30*	
		For >50 To 250, Add	*0.46*	
		For >1,000, Deduct	*-0.23*	

09 39 Tiling Transitions *(09 30)*

09 39 00 00-0001		Tile Waterproofing And Crack Prevention *(09 39)*		
09 39 00 00-0002	CSF	30 Mil Waterproofing And Crack Prevention Membrane; RedGard	130.99	
09 39 00 00-0003		Waterproof Strip Membranes (Schluter® KERDI) *(09 39)*		
09 39 00 00-0004	LF	5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND)	5.96	
09 39 00 00-0005	LF	10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX)	12.44	
09 39 00 00-0006		Coved Shaped Transition Profiles For Floor To Wall For Tile *(09 39)*		
09 39 00 00-0007	LF	5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.17	
09 39 00 00-0008	LF	3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.15	
09 39 00 00-0009	LF	1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.45	
09 39 00 00-0010	LF	5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	7.77	
09 39 00 00-0011	LF	3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	8.08	
09 39 00 00-0012		Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile *(09 39)*		
09 39 00 00-0013	LF	9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	16.76	
09 39 00 00-0014	LF	11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.24	
09 39 00 00-0015	LF	7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.77	
09 39 00 00-0016		Tile Substrate (Schluter® KERDI BOARD) *(09 39)*		
09 39 00 00-0017	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	9.95	0.95
09 39 00 00-0018	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	11.20	1.09
09 39 00 00-0019		Floor Edge Protection And Transition Profiles For Tile *(09 39)*		
09 39 00 00-0020	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.30	
09 39 00 00-0021	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.43	
09 39 00 00-0022	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.56	
09 39 00 00-0023	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.79	
09 39 00 00-0024	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.68	
09 39 00 00-0025	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.86	
09 39 00 00-0026	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.99	
09 39 00 00-0027	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.13	
09 39 00 00-0028	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	4.51	
09 39 00 00-0029	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	6.13	
09 39 00 00-0030	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.71	
09 39 00 00-0031	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.00	
09 39 00 00-0032	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.29	
09 39 00 00-0033	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	7.58	
09 39 00 00-0034	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	5.90	
09 39 00 00-0035	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	6.19	
09 39 00 00-0036	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	7.50	
09 39 00 00-0037		Outside Wall Edge Protection And Transition Profiles For Tile *(09 39)*		
09 39 00 00-0038	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	5.87	
09 39 00 00-0039	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.18	
09 39 00 00-0040	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.63	
09 39 00 00-0041	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	7.09	
09 39 00 00-0042	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.49	
09 39 00 00-0043	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.07	
09 39 00 00-0044	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.64	
09 39 00 00-0045	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	8.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 50 Ceilings *(09)*

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels *(09 51 13)*

09 51 13 00-0002 Fiberglass Acoustical Panels *(09 51 13 00-0001)*

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.21	0.54
		For Up To 50, Add	*2.09*	
		For >50 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.55*	
		For >2,500 To 4,000, Deduct	*-0.23*	
		For >4,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.73*	
		For Individual Room Quantities <495, Add	*1.27*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.15	0.54
		For Up To 50, Add	*2.08*	
		For >50 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.55*	
		For >2,500 To 4,000, Deduct	*-0.23*	
		For >4,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.73*	
		For Individual Room Quantities <495, Add	*1.27*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.74	0.67
		For Up To 50, Add	*2.22*	
		For >50 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.58*	
		For >2,500 To 4,000, Deduct	*-0.24*	
		For >4,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.78*	
		For Individual Room Quantities <495, Add	*1.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.84	0.67
		For Up To 50, Add	*2.24*	
		For >50 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.59*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.79*	
		For Individual Room Quantities <495, Add	*1.36*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0007	SF	2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	10.11	0.67
		For Up To 50, Add	*2.28*	
		For >50 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.81*	
		For Individual Room Quantities <495, Add	*1.39*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0008	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	10.10	0.67
		For Up To 50, Add	*2.28*	
		For >50 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.81*	
		For Individual Room Quantities <495, Add	*1.39*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0009	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.52	0.67
		For Up To 50, Add	*2.34*	
		For >50 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.62*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.84*	
		For Individual Room Quantities <495, Add	*1.43*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0010	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.51	0.67
		For Up To 50, Add	*2.34*	
		For >50 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.62*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.84*	
		For Individual Room Quantities <495, Add	*1.43*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0011		Mineral Fiber Panels *(09 51 13)*		
09 51 13 00-0012		Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*		
		Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0013	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	2.63	0.54
		For Up To 50, Add	*1.10*	
		For >50 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.62*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0014	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	2.61	0.82
		For Up To 50, Add	*1.10*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.61*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.09	0.54
		For Up To 50, Add	*1.17*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.66*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.08	0.81
		For Up To 50, Add	*1.17*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.66*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0017	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.40	0.54
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.69*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0018	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.40	0.54
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.69*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0019	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.64	0.81
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0020	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.65	0.81
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0021	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.97	0.81
		For Up To 50, Add	*1.30*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.75*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0022	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.38	0.54
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.69*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0023	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.36	0.81
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.69*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0024	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.86	0.54
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.74*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0025	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.09	0.54
		For Up To 50, Add	*1.17*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.66*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0026	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.08	0.54
		For Up To 50, Add	*1.17*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.66*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0027	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.40	0.54
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.69*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0028	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.12	0.54
		For Up To 50, Add	*1.17*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.66*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0029	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.11	0.54
		For Up To 50, Add	*1.17*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.66*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0030	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.56	0.54
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0031	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.56	0.54
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0032	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.74	0.54
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0033	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.38	0.54
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.37*	
		For Individual Room Quantities <495, Add	*0.79*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0034	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.64	0.54
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0035	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.40	0.54
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.37*	
		For Individual Room Quantities <495, Add	*0.79*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0036	SF	30" x 60"' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.43	0.54
		For Up To 50, Add	*1.22*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0037	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.74	0.81
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0038	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.67	0.81
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0039	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	4.12	0.81
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0040	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	4.12	0.81
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0041	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured)	9.69	0.95
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0042	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.93	0.54
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.75*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0043	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.92	0.54
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.74*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0044	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.59	0.54
		For Up To 50, Add	*1.39*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0045	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.20	0.54
		For Up To 50, Add	*1.33*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0046	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.14	0.54
		For Up To 50, Add	*1.33*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0047	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.14	0.54
		For Up To 50, Add	*1.33*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0048	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.35	0.54
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.37*	
		For Individual Room Quantities <495, Add	*0.79*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0049	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.52	0.54
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0050	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	4.76	0.54
		For Up To 50, Add	*1.42*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.40*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0051	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	4.72	0.54
		For Up To 50, Add	*1.41*	
		For >50 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.40*	
		For Individual Room Quantities <495, Add	*0.82*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.59	0.81
		For Up To 50, Add	*1.39*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.59	0.81
		For Up To 50, Add	*1.39*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.96	0.54
		For Up To 50, Add	*1.45*	
		For >50 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.42*	
		For Individual Room Quantities <495, Add	*0.85*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.85	0.54
		For Up To 50, Add	*1.43*	
		For >50 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.84*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.93	0.81
		For Up To 50, Add	*1.59*	
		For >50 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.49*	
		For Individual Room Quantities <495, Add	*0.95*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.88	0.81
		For Up To 50, Add	*1.59*	
		For >50 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.49*	
		For Individual Room Quantities <495, Add	*0.94*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0058	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.93	0.81
		For Up To 50, Add	*1.59*	
		For >50 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.49*	
		For Individual Room Quantities <495, Add	*0.95*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0059	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.88	0.81
		For Up To 50, Add	*1.59*	
		For >50 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.49*	
		For Individual Room Quantities <495, Add	*0.94*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0060	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	6.49	0.54
		For Up To 50, Add	*1.68*	
		For >50 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.00*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.44	0.81
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.00*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.42	0.81
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*0.99*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0063	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.93	0.54
		For Up To 50, Add	*1.74*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0064	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.93	0.54
		For Up To 50, Add	*1.74*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0065	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.46	0.54
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.00*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0066	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.46	0.54
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.00*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0067	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.46	0.54
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.00*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0068	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.46	0.54
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.00*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0069	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.95	0.67
		For Up To 50, Add	*1.80*	
		For >50 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.08*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.95	0.67
		For Up To 50, Add	*1.80*	
		For >50 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.08*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0071	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.95	0.67
		For Up To 50, Add	*1.80*	
		For >50 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.08*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0072	SF	2' x 4' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.95	0.67
		For Up To 50, Add	*1.80*	
		For >50 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.08*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	7.27	0.54
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.59*	
		For Individual Room Quantities <495, Add	*1.08*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0074	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	7.27	0.54
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.59*	
		For Individual Room Quantities <495, Add	*1.08*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0075	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	7.27	0.54
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.59*	
		For Individual Room Quantities <495, Add	*1.08*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0076	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	8.25	0.54
		For Up To 50, Add	*2.00*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0077	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	8.13	0.54
		For Up To 50, Add	*1.98*	
		For >50 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.50*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.66*	
		For Individual Room Quantities <495, Add	*1.19*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0078	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	8.19	0.54
		For Up To 50, Add	*1.99*	
		For >50 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.50*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.66*	
		For Individual Room Quantities <495, Add	*1.20*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0079	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.67	0.54
		For Up To 50, Add	*1.85*	
		For >50 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.47*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.62*	
		For Individual Room Quantities <495, Add	*1.12*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0080	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.53	0.54
		For Up To 50, Add	*1.83*	
		For >50 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.46*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.61*	
		For Individual Room Quantities <495, Add	*1.11*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0081	SF	2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.34	0.67
		For Up To 50, Add	*2.01*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0082	SF	2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.34	0.67
		For Up To 50, Add	*2.01*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0083	SF	2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.34	0.54
		For Up To 50, Add	*2.01*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0084	SF	2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.34	0.67
		For Up To 50, Add	*2.01*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.86*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0085	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617)	3.02	0.54
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0086	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627)	3.11	0.54
		For Individual Room Quantities <495, Add	*0.66*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0087	SF	2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742)	4.62	0.54
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.79*	
		For Ceilings >10' High, Add	*0.13*	

09 51 13 00-0088 Clean Room, Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0089	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL)	7.14	0.81
		For Up To 50, Add	*1.69*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.57*	
		For Vertical Application, Add	*0.69*	
		For Ceilings >10' High, Add	*0.12*	
		For Single Angled Tegular Edge (Reveal), Add	*2.67*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.28*	
09 51 13 00-0090	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL)	7.12	0.81
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.57*	
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
		For Single Angled Tegular Edge (Reveal), Add	*2.68*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.28*	
09 51 13 00-0091	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	13.19	0.81
		For Up To 50, Add	*2.59*	
		For >50 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.74*	
		For >2,500 To 4,000, Deduct	*-0.33*	
		For >4,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.03*	
		For Vertical Application, Add	*0.69*	
		For Ceilings >10' High, Add	*0.12*	
		For Single Angled Tegular Edge (Reveal), Add	*5.40*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.58*	
09 51 13 00-0092	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	13.03	0.81
		For Up To 50, Add	*2.56*	
		For >50 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.73*	
		For >2,500 To 4,000, Deduct	*-0.33*	
		For >4,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.02*	
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
		For Single Angled Tegular Edge (Reveal), Add	*5.34*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0093	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	12.94	0.81
		For Up To 50, Add	*2.56*	
		For >50 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.72*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.01*	
		For Vertical Application, Add	*0.69*	
		For Ceilings >10' High, Add	*0.12*	
		For Single Angled Tegular Edge (Reveal), Add	*5.28*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.57*	
09 51 13 00-0094	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	12.89	0.81
		For Up To 50, Add	*2.54*	
		For >50 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.72*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-1.00*	
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
		For Single Angled Tegular Edge (Reveal), Add	*5.27*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.57*	

09 51 13 00-0095 Wood Fiber Panels *(09 51 13)*

09 51 13 00-0096	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	8.67	0.81
		For Up To 50, Add	*2.27*	
		For >50 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.55*	
		For >2,500 To 4,000, Deduct	*-0.22*	
		For >4,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.71*	
		For Individual Room Quantities <495, Add	*1.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.18*	
09 51 13 00-0097	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	8.42	0.81
		For Up To 50, Add	*2.13*	
		For >50 To 200, Add	*1.28*	
		For >200 To 500, Add	*0.53*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.69*	
		For Individual Room Quantities <495, Add	*1.28*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.16*	
09 51 13 00-0098	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	11.46	0.81
		For Up To 50, Add	*2.69*	
		For >50 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.69*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.92*	
		For Individual Room Quantities <495, Add	*1.63*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.18*	
09 51 13 00-0099	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	11.21	0.81
		For Up To 50, Add	*2.55*	
		For >50 To 200, Add	*1.56*	
		For >200 To 500, Add	*0.67*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.90*	
		For Individual Room Quantities <495, Add	*1.56*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.16*	
09 51 13 00-0100	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	14.16	0.81
		For Up To 50, Add	*3.09*	
		For >50 To 200, Add	*1.90*	
		For >200 To 500, Add	*0.83*	
		For >2,500 To 4,000, Deduct	*-0.35*	
		For >4,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.12*	
		For Individual Room Quantities <495, Add	*1.90*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.18*	
09 51 13 00-0101	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	13.91	0.81
		For Up To 50, Add	*2.95*	
		For >50 To 200, Add	*1.83*	
		For >200 To 500, Add	*0.80*	
		For >2,500 To 4,000, Deduct	*-0.35*	
		For >4,000 To 5,000, Deduct	*-0.70*	
		For >5,000, Deduct	*-1.10*	
		For Individual Room Quantities <495, Add	*1.83*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0102	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	10.31	0.81
		For Up To 50, Add	*2.51*	
		For >50 To 200, Add	*1.52*	
		For >200 To 500, Add	*0.64*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-0.83*	
		For Individual Room Quantities <495, Add	*1.52*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.18*	
09 51 13 00-0103	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	10.06	0.81
		For Up To 50, Add	*2.38*	
		For >50 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.61*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.81*	
		For Individual Room Quantities <495, Add	*1.44*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.16*	

09 51 13 00-0104 Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 51 13 00-0105	SF	Removal And Reinstallation Of Acoustical Panels Only	2.77	
		For Up To 50, Add	*1.52*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.28*	
		For Ceilings >10' High, Add	*0.21*	

09 51 23 Acoustical Tile Ceilings *(09 51)*

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	6.71	1.49
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.36*	
		For >50 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.51*	
		For >2,500, Deduct	*-0.34*	
		For Ceilings >10' High, Add	*0.25*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	7.96	1.49
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.55*	
		For >50 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.57*	
		For >2,500, Deduct	*-0.40*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.25*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	8.95	1.49
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.70*	
		For >50 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.62*	
		For >2,500, Deduct	*-0.45*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.25*	

09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	6.19	1.49
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.28*	
		For >50 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.48*	
		For >2,500, Deduct	*-0.31*	
		For Ceilings >10' High, Add	*0.25*	

09 51 33 Acoustical Metal Pan Ceilings *(09 51)*

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings *(09 51 33)*

09 51 33 13-0001 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*

09 51 33 13-0002	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	24.20	1.19
09 51 33 13-0003	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	25.89	1.19

09 51 33 13-0004 Aluminum, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*

09 51 33 13-0005	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.06	1.36
09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.61	1.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	59.85	1.36
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.13	1.36
09 51 33 13-0009	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.07	1.36
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.82	1.36
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	59.40	1.36
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.91	1.36
09 51 33 13-0013	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.56	1.36
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.29	1.36
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	66.01	1.36
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.95	1.36
09 51 33 13-0017	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.01	1.36
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.07	1.36
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	68.25	1.36
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.73	1.36
09 51 33 13-0021	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.20	1.36
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.32	1.36
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	64.55	1.36
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.17	1.36
09 51 33 13-0025	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	23.88	1.36
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.77	1.36
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	66.90	1.36
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.17	1.36
09 51 33 13-0029	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.59	1.36
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.00	1.36
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	56.13	1.36
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.65	1.36
09 51 33 13-0033	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.71	1.36
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.77	1.36
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	56.24	1.36
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.65	1.36

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	18.83	1.02
		For Up To 50, Add	*3.64*	
		For >50 To 200, Add	*2.29*	
		For >200 To 500, Add	*1.04*	
		For >2,500 To 4,000, Deduct	*-0.47*	
		For >4,000 To 5,000, Deduct	*-0.94*	
		For >5,000, Deduct	*-1.46*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	21.36	1.02
		For Up To 50, Add	*4.02*	
		For >50 To 200, Add	*2.54*	
		For >200 To 500, Add	*1.17*	
		For >2,500 To 4,000, Deduct	*-0.53*	
		For >4,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-1.65*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	31.44	1.02
		For Up To 50, Add	*5.53*	
		For >50 To 200, Add	*3.55*	
		For >200 To 500, Add	*1.67*	
		For >2,500 To 4,000, Deduct	*-0.79*	
		For >4,000 To 5,000, Deduct	*-1.57*	
		For >5,000, Deduct	*-2.41*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.68	1.02
		For Up To 50, Add	*4.81*	
		For >50 To 200, Add	*3.07*	
		For >200 To 500, Add	*1.44*	
		For >2,500 To 4,000, Deduct	*-0.67*	
		For >4,000 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-2.05*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.64	1.02
		For Up To 50, Add	*5.11*	
		For >50 To 200, Add	*3.27*	
		For >200 To 500, Add	*1.53*	
		For >2,500 To 4,000, Deduct	*-0.72*	
		For >4,000 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.20*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	45.16	1.02
		For Up To 50, Add	*7.59*	
		For >50 To 200, Add	*4.92*	
		For >200 To 500, Add	*2.36*	
		For >2,500 To 4,000, Deduct	*-1.13*	
		For >4,000 To 5,000, Deduct	*-2.26*	
		For >5,000, Deduct	*-3.44*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.20	1.02
		For Up To 50, Add	*5.04*	
		For >50 To 200, Add	*3.23*	
		For >200 To 500, Add	*1.51*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.41*	
		For >5,000, Deduct	*-2.17*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.01	1.02
		For Up To 50, Add	*6.06*	
		For >50 To 200, Add	*3.91*	
		For >200 To 500, Add	*1.85*	
		For >2,500 To 4,000, Deduct	*-0.88*	
		For >4,000 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-2.68*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.36	1.02
		For Up To 50, Add	*5.07*	
		For >50 To 200, Add	*3.24*	
		For >200 To 500, Add	*1.52*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.42*	
		For >5,000, Deduct	*-2.18*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.22	1.02
		For Up To 50, Add	*6.10*	
		For >50 To 200, Add	*3.93*	
		For >200 To 500, Add	*1.86*	
		For >2,500 To 4,000, Deduct	*-0.88*	
		For >4,000 To 5,000, Deduct	*-1.76*	
		For >5,000, Deduct	*-2.69*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.50	1.02
		For Up To 50, Add	*5.09*	
		For >50 To 200, Add	*3.26*	
		For >200 To 500, Add	*1.53*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.19*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.08	1.02
		For Up To 50, Add	*6.07*	
		For >50 To 200, Add	*3.91*	
		For >200 To 500, Add	*1.86*	
		For >2,500 To 4,000, Deduct	*-0.88*	
		For >4,000 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-2.68*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.50	1.02
		For Up To 50, Add	*5.09*	
		For >50 To 200, Add	*3.26*	
		For >200 To 500, Add	*1.53*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.19*	
		For Ceilings >10' High, Add	*0.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.36	1.02
		For Up To 50, Add	*6.12*	
		For >50 To 200, Add	*3.94*	
		For >200 To 500, Add	*1.87*	
		For >2,500 To 4,000, Deduct	*-0.88*	
		For >4,000 To 5,000, Deduct	*-1.77*	
		For >5,000, Deduct	*-2.70*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0017		Steel, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*		
09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	24.35	1.02
		For Up To 50, Add	*4.46*	
		For >50 To 200, Add	*2.84*	
		For >200 To 500, Add	*1.32*	
		For >2,500 To 4,000, Deduct	*-0.61*	
		For >4,000 To 5,000, Deduct	*-1.22*	
		For >5,000, Deduct	*-1.88*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.05	1.02
		For Up To 50, Add	*5.17*	
		For >50 To 200, Add	*3.31*	
		For >200 To 500, Add	*1.55*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.45*	
		For >5,000, Deduct	*-2.23*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	31.18	1.02
		For Up To 50, Add	*5.49*	
		For >50 To 200, Add	*3.52*	
		For >200 To 500, Add	*1.66*	
		For >2,500 To 4,000, Deduct	*-0.78*	
		For >4,000 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-2.39*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.28	1.02
		For Up To 50, Add	*5.20*	
		For >50 To 200, Add	*3.33*	
		For >200 To 500, Add	*1.57*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.25*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.06	1.02
		For Up To 50, Add	*5.32*	
		For >50 To 200, Add	*3.41*	
		For >200 To 500, Add	*1.60*	
		For >2,500 To 4,000, Deduct	*-0.75*	
		For >4,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-2.31*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	31.85	1.02
		For Up To 50, Add	*5.59*	
		For >50 To 200, Add	*3.59*	
		For >200 To 500, Add	*1.69*	
		For >2,500 To 4,000, Deduct	*-0.80*	
		For >4,000 To 5,000, Deduct	*-1.59*	
		For >5,000, Deduct	*-2.44*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 33		**Acoustical Tegular Lay-in Metal Pan Ceilings** *(09 51 33)*		
09 51 33 33-0001		Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*		
09 51 33 33-0002		Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*		
09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.74	1.02
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.98	1.02
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	28.27	1.02
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.20	1.02
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.89	1.02
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.84	1.02

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0001			**Ceiling Suspension Systems** *(09 53 23)* Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.		
09 53 23 00-0002		SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Note: Excludes ceiling tile.	5.44	0.67
			For Fastening To Concrete, Add	*1.60*	
			For Fastening To Steel, Add	*1.72*	
			For Vertical Application, Add	*2.58*	
			For Individual Room Quantities <495, Add	*0.57*	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Up To 50, Add	*2.00*	
			For >50 To 200, Add	*1.13*	
			For >200 To 500, Add	*0.42*	
			For >2,500 To 4,000, Deduct	*-0.12*	
			For >4,000 To 5,000, Deduct	*-0.22*	
			For >5,000, Deduct	*-0.32*	
			For Ceilings >10' High, Add	*0.22*	
09 53 23 00-0003		SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	4.37	0.67
			For UL Listed (Fire Guard), Add	*0.29*	
			For 1-1/2" Wide Faced Grid, Add	*0.53*	
			For Fastening To Concrete, Add	*1.55*	
			For Fastening To Steel, Add	*1.67*	
			For Vertical Application, Add	*2.15*	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
			For Individual Room Quantities <495, Add	*0.46*	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Aluminum T-Bar System, Add	*0.86*	
			For Up To 50, Add	*1.64*	
			For >50 To 200, Add	*0.93*	
			For >200 To 500, Add	*0.34*	
			For >2,500 To 4,000, Deduct	*-0.10*	
			For >4,000 To 5,000, Deduct	*-0.18*	
			For >5,000, Deduct	*-0.26*	
			For Ceilings >10' High, Add	*0.18*	
09 53 23 00-0004		SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	3.65	0.67
			For UL Listed (Fire Guard), Add	*0.21*	
			For 1-1/2" Wide Faced Grid, Add	*0.39*	
			For Fastening To Concrete, Add	*1.53*	
			For Fastening To Steel, Add	*1.65*	
			For Vertical Application, Add	*1.98*	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
			For Individual Room Quantities <495, Add	*0.41*	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Aluminum T-Bar System, Add	*0.63*	
			For Up To 50, Add	*1.45*	
			For >50 To 200, Add	*0.82*	
			For >200 To 500, Add	*0.30*	
			For >2,500 To 4,000, Deduct	*-0.08*	
			For >4,000 To 5,000, Deduct	*-0.15*	
			For >5,000, Deduct	*-0.23*	
			For Black Grid, Add	*0.17*	
			For Ceilings >10' High, Add	*0.17*	
			For Concealed Spline Grid, Add	*0.57*	
09 53 23 00-0005		SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	3.03	0.67
			For UL Listed (Fire Guard), Add	*0.17*	
			For 1-1/2" Wide Faced Grid, Add	*0.32*	
			For Fastening To Concrete, Add	*1.49*	
			For Fastening To Steel, Add	*1.61*	
			For Vertical Application, Add	*1.90*	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
			For Individual Room Quantities <495, Add	*0.34*	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Aluminum T-Bar System, Add	*0.51*	
			For Up To 50, Add	*1.21*	
			For >50 To 200, Add	*0.68*	
			For >200 To 500, Add	*0.25*	
			For >2,500 To 4,000, Deduct	*-0.07*	
			For >4,000 To 5,000, Deduct	*-0.13*	
			For >5,000, Deduct	*-0.19*	
			For Black Grid, Add	*0.14*	
			For Ceilings >10' High, Add	*0.14*	
			For Concealed Spline Grid, Add	*0.47*	
09 53 23 00-0006		SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.66	0.67
			For UL Listed (Fire Guard), Add	*0.15*	
			For 1-1/2" Wide Faced Grid, Add	*0.29*	
			For Fastening To Concrete, Add	*1.46*	
			For Fastening To Steel, Add	*1.58*	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
			For Individual Room Quantities <495, Add	*0.30*	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Aluminum T-Bar System, Add	*0.46*	
			For Up To 50, Add	*1.05*	
			For >50 To 200, Add	*0.59*	
			For >200 To 500, Add	*0.21*	
			For >2,500 To 4,000, Deduct	*-0.06*	
			For >4,000 To 5,000, Deduct	*-0.11*	
			For >5,000, Deduct	*-0.16*	
			For Ceilings >10' High, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	3.94	0.67
		For UL Listed (Fire Guard), Add	*0.25*	
		For Fastening To Concrete, Add	*1.53*	
		For Fastening To Steel, Add	*1.65*	
		For Vertical Application, Add	*1.98*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.42*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*1.50*	
		For >50 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.24*	
		For Black Grid, Add	*0.21*	
		For Ceilings >10' High, Add	*0.17*	
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	3.26	0.67
		For UL Listed (Fire Guard), Add	*0.20*	
		For Fastening To Concrete, Add	*1.49*	
		For Fastening To Steel, Add	*1.61*	
		For Vertical Application, Add	*1.90*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.20*	
		For Black Grid, Add	*0.17*	
		For Ceilings >10' High, Add	*0.14*	

09 53 23 00-0009 Ceiling Suspension System Accessories *(09 53 23)*

09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.62	
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	3.87	1.90
		For 304 Stainless Steel, Add	*2.91*	
		For 316 Stainless Steel, Add	*3.26*	
		For Aluminum, Add	*0.18*	
		For Galvanized Steel, Add	*0.63*	
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	5.51	2.03
		For 304 Stainless Steel, Add	*4.42*	
		For 316 Stainless Steel, Add	*4.96*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.96*	
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	7.57	2.17
		For 304 Stainless Steel, Add	*8.84*	
		For 316 Stainless Steel, Add	*9.92*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
09 53 23 00-0014	LF	12 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.02	
09 53 23 00-0015	LF	8 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.17	
09 53 23 00-0016	EA	2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.	8.46	0.39
09 53 23 00-0017	EA	Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum Note: Includes vertical centerl strut and four 12 gauge diagonal wires.	34.15	9.62
09 53 23 00-0018	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	100.50	27.57
09 53 23 00-0019	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	104.26	28.10
09 53 23 00-0020	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	117.55	28.10

09 53 23 00-0021 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly *(09 53 23)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 53 23 00-0022	SF	Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place.	3.74	
		For Up To 50, Add	*2.06*	
		For >50 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.28*	
		For Ceilings >10' High, Add	*0.28*	
09 53 23 00-0023	SF	Removal And Reinstallation Of Grid System Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.	1.63	
		For Up To 50, Add	*0.90*	
		For >50 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.12*	
		For Ceilings >10' High, Add	*0.12*	

09 54 Specialty Ceilings *(09 50)*

09 54 16 Luminous Ceilings *(09 54)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 16 00-0001		**Translucent Ceiling Panels** *(09 54 16)*		
09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel	3.61	0.67
		For Ceilings >10' High, Add	*0.12*	
		For >100 To 200, Deduct	*-0.14*	
		For >200 To 300, Deduct	*-0.39*	
		For >300, Deduct	*-0.67*	
09 54 23		**Linear Metal Ceilings** *(09 54)*		
09 54 23 00-0001		Linear Ceiling Systems *(09 54 23)*		
09 54 23 00-0002		0.032" Aluminum, Linear Ceiling Systems *(09 54 23 00-0001)*		
		Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	24.01	2.76
		For Up To 50, Add	*6.25*	
		For >50 To 200, Add	*3.73*	
		For >200 To 500, Add	*1.53*	
		For >2,500, Deduct	*-1.20*	
		For Ceilings >10' High, Add	*0.50*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-4.32*	
		For Curved Ceilings, Add	*1.55*	
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	19.41	2.76
		For Up To 50, Add	*5.50*	
		For >50 To 200, Add	*3.24*	
		For >200 To 500, Add	*1.29*	
		For >2,500, Deduct	*-0.97*	
		For Ceilings >10' High, Add	*0.49*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-2.16*	
		For Curved Ceilings, Add	*1.52*	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	17.63	2.76
		For Up To 50, Add	*5.18*	
		For >50 To 200, Add	*3.03*	
		For >200 To 500, Add	*1.20*	
		For >2,500, Deduct	*-0.88*	
		For Ceilings >10' High, Add	*0.48*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.44*	
		For Curved Ceilings, Add	*1.49*	
09 54 23 00-0006		Tin Ceilings *(09 54 23)*		
09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	22.82	4.28
		For Up To 50, Add	*5.49*	
		For >50 To 200, Add	*3.31*	
		For >200 To 500, Add	*1.40*	
		For >2,500, Deduct	*-1.14*	
		For Ceilings >10' High, Add	*0.39*	
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	33.59	2.76
		For Up To 50, Add	*7.21*	
		For >50 To 200, Add	*4.45*	
		For >200 To 500, Add	*1.95*	
		For >2,500, Deduct	*-1.68*	
		For Ceilings >10' High, Add	*0.41*	
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	24.63	2.76
		For Up To 50, Add	*5.87*	
		For >50 To 200, Add	*3.55*	
		For >200 To 500, Add	*1.50*	
		For >2,500, Deduct	*-1.23*	
		For Ceilings >10' High, Add	*0.41*	
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	22.63	2.76
		For Up To 50, Add	*5.40*	
		For >50 To 200, Add	*3.27*	
		For >200 To 500, Add	*1.38*	
		For >2,500, Deduct	*-1.13*	
		For Ceilings >10' High, Add	*0.38*	
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	19.75	2.07
		For Up To 50, Add	*4.72*	
		For >50 To 200, Add	*2.85*	
		For >200 To 500, Add	*1.21*	
		For >2,500, Deduct	*-0.99*	
		For Ceilings >10' High, Add	*0.33*	
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	15.84	4.14
		For Ceilings >10' High, Add	*0.60*	
09 54 23 00-0013	LF	6" Wide Embossed Molding	19.73	4.83
		For Ceilings >10' High, Add	*0.67*	
09 54 23 00-0014	LF	12" Wide Embossed Molding	26.41	5.66
		For Ceilings >10' High, Add	*0.85*	
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	46.06	13.11
		For Ceilings >10' High, Add	*1.92*	
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	63.49	15.32
		For Ceilings >10' High, Add	*2.30*	
09 57		**Special Function Ceilings** *(09 50)*		
09 57 63		**High Impact Ceilings** *(09 57)*		
09 57 63 00-0001		High Impact Ceilings *(09 57 63)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 57 63 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels	8.42	1.36
		For Ceilings >10' High, Add	*0.16*	
09 57 63 00-0003	EA	High Impact Clips	5.01	1.09
		For Ceilings >10' High, Add	*0.25*	

09 60 Flooring *(09)*

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

09 61 13 00-0001 Anti-Slip Tape *(09 61 13)*

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF	1" Anti-Slip Tape	3.51	2.71
09 61 13 00-0003	LF	2" Anti-Slip Tape	4.40	2.99
09 61 13 00-0004	LF	3" Anti-Slip Tape	5.27	3.28
09 61 13 00-0005	LF	4" Anti-Slip Tape	6.11	3.61
09 61 13 00-0006	LF	6" Anti-Slip Tape	7.73	3.97
09 61 13 00-0007	LF	12" Anti-Slip Tape	13.44	5.95
09 61 13 00-0008	LF	24" Anti-Slip Tape	19.07	8.94

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001 Clay Bricks *(09 63 13)*

09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	31.91	10.85
		For Basket Weave Pattern, Add	*2.32*	
		For Herringbone Pattern, Add	*3.09*	
		For Epoxy Joints, Add	*5.59*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	36.00	10.85
		For Basket Weave Pattern, Add	*2.32*	
		For Herringbone Pattern, Add	*3.09*	
		For Epoxy Joints, Add	*5.59*	
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	20.41	10.85
		For Basket Weave Pattern, Add	*2.32*	
		For Herringbone Pattern, Add	*3.09*	
		For Epoxy Joints, Add	*5.59*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	24.12	10.85
		For Basket Weave Pattern, Add	*2.32*	
		For Herringbone Pattern, Add	*3.09*	
		For Epoxy Joints, Add	*5.59*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	22.07	10.85
		For Basket Weave Pattern, Add	*2.32*	
		For Herringbone Pattern, Add	*3.09*	
		For Epoxy Joints, Add	*5.59*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	26.99	10.85
		For Basket Weave Pattern, Add	*2.32*	
		For Herringbone Pattern, Add	*3.09*	
		For Epoxy Joints, Add	*5.59*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	23.67	10.85
		For Basket Weave Pattern, Add	*2.32*	
		For Herringbone Pattern, Add	*3.09*	
		For Epoxy Joints, Add	*5.59*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	29.90	10.85
		For Basket Weave Pattern, Add	*2.32*	
		For Herringbone Pattern, Add	*3.09*	
		For Epoxy Joints, Add	*5.59*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System *(09 63 43)*

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	20.34	6.55

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

09 64 13 00-0001 Wood Flooring Underlayment *(09 64 13)*

09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.58	
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.60	
09 64 13 00-0004	SF	30 Lb., Waxed Paper, Wood Flooring Underlayment	0.63	
09 64 13 00-0005	SF	15 Lb., Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.68	
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.63	
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.69	
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.58	0.41
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.69	0.41
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.99	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	1.21	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.30	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.57	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 13 00-0014		SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.59	0.27

09 64 23 Wood Parquet Flooring *(09 64)*

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001 Hardwood Parquet Flooring *(09 64 23)*

09 64 23 00-0002		SF	5/16" Thick Oak Parquet Flooring	14.80	1.36
			For Up To 20, Add	*6.04*	
			For >20 To 50, Add	*3.18*	
			For >50 To 100, Add	*1.59*	
			For >100 To 300, Add	*0.79*	

09 64 29 Wood Strip and Plank Flooring *(09 64)*

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0002		SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	15.58	1.36
			For Factory Finish, Add	*0.95*	
			For Random Width Floor, Add	*3.59*	
			For Up To 20, Add	*5.08*	
			For >20 To 50, Add	*2.78*	
			For >50 To 100, Add	*1.39*	
			For >100 To 300, Add	*0.69*	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0005		SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	12.92	1.36
			For Factory Finish, Add	*0.50*	
			For Random Width Floor, Add	*2.83*	
			For Up To 20, Add	*5.52*	
			For >20 To 50, Add	*2.89*	
			For >50 To 100, Add	*1.44*	
			For >100 To 300, Add	*0.72*	
09 64 29 00-0006		SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	13.56	1.36
			For Factory Finish, Add	*0.56*	
			For Random Width Floor, Add	*2.99*	
			For Up To 20, Add	*5.62*	
			For >20 To 50, Add	*2.95*	
			For >50 To 100, Add	*1.48*	
			For >100 To 300, Add	*0.74*	
09 64 29 00-0007		SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	14.53	1.36
			For Factory Finish, Add	*0.66*	
			For Random Width Floor, Add	*3.23*	
			For Up To 20, Add	*5.77*	
			For >20 To 50, Add	*3.05*	
			For >50 To 100, Add	*1.52*	
			For >100 To 300, Add	*0.76*	
09 64 29 00-0008		SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	11.26	1.36
			For Factory Finish, Add	*0.52*	
			For Random Width Floor, Add	*2.51*	
			For Up To 20, Add	*4.43*	
			For >20 To 50, Add	*2.35*	
			For >50 To 100, Add	*1.17*	
			For >100 To 300, Add	*0.59*	
09 64 29 00-0009		SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	11.78	1.36
			For Factory Finish, Add	*0.57*	
			For Random Width Floor, Add	*2.64*	
			For Up To 20, Add	*4.51*	
			For >20 To 50, Add	*2.40*	
			For >50 To 100, Add	*1.20*	
			For >100 To 300, Add	*0.60*	
09 64 29 00-0010		SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	12.77	1.36
			For Factory Finish, Add	*0.67*	
			For Random Width Floor, Add	*2.89*	
			For Up To 20, Add	*4.66*	
			For >20 To 50, Add	*2.50*	
			For >50 To 100, Add	*1.25*	
			For >100 To 300, Add	*0.62*	

09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0012		SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	13.03	1.36
			For Factory Finish, Add	*0.51*	
			For Random Width Floor, Add	*2.86*	
			For Up To 20, Add	*5.54*	
			For >20 To 50, Add	*2.90*	
			For >50 To 100, Add	*1.45*	
			For >100 To 300, Add	*0.72*	
09 64 29 00-0013		SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	13.67	1.36
			For Factory Finish, Add	*0.57*	
			For Random Width Floor, Add	*3.02*	
			For Up To 20, Add	*5.64*	
			For >20 To 50, Add	*2.96*	
			For >50 To 100, Add	*1.48*	
			For >100 To 300, Add	*0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	14.64	1.36
		For Factory Finish, Add	*0.67*	
		For Random Width Floor, Add	*3.26*	
		For Up To 20, Add	*5.78*	
		For >20 To 50, Add	*3.06*	
		For >50 To 100, Add	*1.53*	
		For >100 To 300, Add	*0.76*	
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	11.37	1.36
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*2.54*	
		For Up To 20, Add	*4.45*	
		For >20 To 50, Add	*2.36*	
		For >50 To 100, Add	*1.18*	
		For >100 To 300, Add	*0.59*	
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	12.02	1.36
		For Factory Finish, Add	*0.59*	
		For Random Width Floor, Add	*2.70*	
		For Up To 20, Add	*4.55*	
		For >20 To 50, Add	*2.42*	
		For >50 To 100, Add	*1.21*	
		For >100 To 300, Add	*0.61*	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	12.88	1.36
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*2.92*	
		For Up To 20, Add	*4.68*	
		For >20 To 50, Add	*2.51*	
		For >50 To 100, Add	*1.25*	
		For >100 To 300, Add	*0.63*	

09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	15.39	1.36
		For Factory Finish, Add	*0.74*	
		For Random Width Floor, Add	*3.45*	
		For Up To 20, Add	*5.90*	
		For >20 To 50, Add	*3.13*	
		For >50 To 100, Add	*1.57*	
		For >100 To 300, Add	*0.78*	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	14.32	1.36
		For Factory Finish, Add	*0.64*	
		For Random Width Floor, Add	*3.18*	
		For Up To 20, Add	*5.73*	
		For >20 To 50, Add	*3.03*	
		For >50 To 100, Add	*1.51*	
		For >100 To 300, Add	*0.76*	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.95	1.36
		For Factory Finish, Add	*0.79*	
		For Random Width Floor, Add	*3.18*	
		For Up To 20, Add	*4.84*	
		For >20 To 50, Add	*2.62*	
		For >50 To 100, Add	*1.31*	
		For >100 To 300, Add	*0.65*	
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	12.88	1.36
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*2.92*	
		For Up To 20, Add	*4.68*	
		For >20 To 50, Add	*2.51*	
		For >50 To 100, Add	*1.25*	
		For >100 To 300, Add	*0.63*	

09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	17.71	1.36
		For Factory Finish, Add	*0.97*	
		For Random Width Floor, Add	*4.03*	
		For Up To 20, Add	*6.24*	
		For >20 To 50, Add	*3.37*	
		For >50 To 100, Add	*1.68*	
		For >100 To 300, Add	*0.84*	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	16.27	1.36
		For Factory Finish, Add	*0.83*	
		For Random Width Floor, Add	*3.67*	
		For Up To 20, Add	*6.03*	
		For >20 To 50, Add	*3.22*	
		For >50 To 100, Add	*1.61*	
		For >100 To 300, Add	*0.81*	
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	16.42	1.36
		For Factory Finish, Add	*1.03*	
		For Random Width Floor, Add	*3.80*	
		For Up To 20, Add	*5.21*	
		For >20 To 50, Add	*2.86*	
		For >50 To 100, Add	*1.43*	
		For >100 To 300, Add	*0.72*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0028		SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	14.98	1.36
			For Factory Finish, Add	*0.89*	
			For Random Width Floor, Add	*3.44*	
			For Up To 20, Add	*4.99*	
			For >20 To 50, Add	*2.72*	
			For >50 To 100, Add	*1.36*	
			For >100 To 300, Add	*0.68*	

09 64 29 00-0029 Prefinished Engineered Wood Flooring *(09 64 29)*

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030		SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	16.58	1.36
			For Up To 20, Add	*4.88*	
			For >20 To 50, Add	*2.72*	
			For >50 To 100, Add	*1.36*	
			For >100 To 300, Add	*0.68*	
09 64 29 00-0031		SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	16.58	1.36
			For Up To 20, Add	*4.88*	
			For >20 To 50, Add	*2.72*	
			For >50 To 100, Add	*1.36*	
			For >100 To 300, Add	*0.68*	
09 64 29 00-0032		SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	16.58	1.36
			For Up To 20, Add	*4.88*	
			For >20 To 50, Add	*2.72*	
			For >50 To 100, Add	*1.36*	
			For >100 To 300, Add	*0.68*	
09 64 29 00-0033		SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	16.97	1.36
			For Up To 20, Add	*4.94*	
			For >20 To 50, Add	*2.76*	
			For >50 To 100, Add	*1.38*	
			For >100 To 300, Add	*0.69*	

09 64 66 Wood Athletic Flooring *(09 64)*

Note: 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors Applied On Existing Subfloor *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.

09 64 66 00-0002		SF	25/32" Maple Wood Gym/Stage/Dance Floor	15.89	6.78
			For Oak Or Birch, Deduct	*-0.20*	
			For Pine, Deduct	*-0.30*	
			For #1 Grade Material, Add	*0.50*	
09 64 66 00-0003		SF	33/32" Maple Wood Gym/Stage/Dance Floor	18.35	7.05
			For Oak Or Birch, Deduct	*-0.20*	
			For Pine, Deduct	*-0.30*	
			For #1 Grade Material, Add	*0.50*	

09 64 66 00-0004 Wood Gym/Stage/Dance Floor Systems *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0005		SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.	20.90	8.82
			For Oak Or Birch, Deduct	*-0.20*	
			For Pine, Deduct	*-0.30*	
			For #1 Grade Material, Add	*0.50*	
09 64 66 00-0006		SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.	21.79	8.82
			For Oak Or Birch, Deduct	*-0.20*	
			For Pine, Deduct	*-0.30*	
			For #1 Grade Material, Add	*0.50*	
09 64 66 00-0007		SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.	23.43	8.82
			For Oak Or Birch, Deduct	*-0.20*	
			For Pine, Deduct	*-0.30*	
			For #1 Grade Material, Add	*0.50*	
09 64 66 00-0008		SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.	22.64	8.82
			For Oak Or Birch, Deduct	*-0.20*	
			For Pine, Deduct	*-0.30*	
			For #1 Grade Material, Add	*0.50*	
09 64 66 00-0009		SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.	26.33	8.82
			For Oak Or Birch, Deduct	*-0.20*	
			For Pine, Deduct	*-0.30*	
			For #1 Grade Material, Add	*0.50*	

09 65 Resilient Flooring *(09 60)*

See CSI section 03 54 16 00-0001 for self-leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories *(09 65)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 65 13 13 Resilient Base *(09 65 13)*

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.46	1.68
		For Up To 20, Add	*2.16*	
		For >20 To 40, Add	*1.22*	
		For >40 To 80, Add	*0.44*	
		For >240 To 960, Deduct	*-0.38*	
		For >960, Deduct	*-0.57*	
09 65 13 13-0003	LF	3" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.88	1.68
		For Up To 20, Add	*2.23*	
		For >20 To 40, Add	*1.26*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.42*	
		For >960, Deduct	*-0.63*	
09 65 13 13-0004	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.25	1.68
		For Up To 20, Add	*2.28*	
		For >20 To 40, Add	*1.30*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.46*	
		For >960, Deduct	*-0.69*	
09 65 13 13-0005	LF	4-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.62	1.68
		For Up To 20, Add	*2.34*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.50*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.74*	
09 65 13 13-0006	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	7.96	1.68
		For Up To 20, Add	*2.54*	
		For >20 To 40, Add	*1.47*	
		For >40 To 80, Add	*0.57*	
		For >240 To 960, Deduct	*-0.63*	
		For >960, Deduct	*-0.94*	

09 65 13 13-0007 Type TP Thermoplastic Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0008	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.97	1.68
		For Up To 20, Add	*2.24*	
		For >20 To 40, Add	*1.27*	
		For >40 To 80, Add	*0.47*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.64*	
09 65 13 13-0009	LF	3" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.49	1.68
		For Up To 20, Add	*2.32*	
		For >20 To 40, Add	*1.32*	
		For >40 To 80, Add	*0.49*	
		For >240 To 960, Deduct	*-0.48*	
		For >960, Deduct	*-0.72*	
09 65 13 13-0010	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.57	1.68
		For Up To 20, Add	*2.33*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.50*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.73*	
09 65 13 13-0011	LF	4-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.97	1.68
		For Up To 20, Add	*2.39*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.52*	
		For >240 To 960, Deduct	*-0.53*	
		For >960, Deduct	*-0.79*	
09 65 13 13-0012	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.21	1.68
		For Up To 20, Add	*2.58*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.58*	
		For >240 To 960, Deduct	*-0.65*	
		For >960, Deduct	*-0.98*	
09 65 13 13-0013	LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.54	1.68
		For Up To 20, Add	*2.93*	
		For >20 To 40, Add	*1.73*	
		For >40 To 80, Add	*0.70*	
		For >240 To 960, Deduct	*-0.89*	
		For >960, Deduct	*-1.33*	
09 65 13 13-0014	LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	11.04	1.68
		For Up To 20, Add	*3.00*	
		For >20 To 40, Add	*1.78*	
		For >40 To 80, Add	*0.72*	
		For >240 To 960, Deduct	*-0.94*	
		For >960, Deduct	*-1.40*	
09 65 13 13-0015	LF	4" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	12.60	1.68
		For Up To 20, Add	*3.23*	
		For >20 To 40, Add	*1.93*	
		For >40 To 80, Add	*0.80*	
		For >240 To 960, Deduct	*-1.09*	
		For >960, Deduct	*-1.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0016	LF	4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	13.64	1.68
		For Up To 20, Add	*3.39*	
		For >20 To 40, Add	*2.04*	
		For >40 To 80, Add	*0.85*	
		For >240 To 960, Deduct	*-1.20*	
		For >960, Deduct	*-1.79*	
09 65 13 13-0017	LF	6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	18.79	1.68
		For Up To 20, Add	*4.16*	
		For >20 To 40, Add	*2.55*	
		For >40 To 80, Add	*1.11*	
		For >240 To 960, Deduct	*-1.71*	
		For >960, Deduct	*-2.57*	

09 65 13 13-0018 Type TS Thermoset Vulcanized Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0019	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.63	2.02
		For Up To 20, Add	*2.34*	
		For >20 To 40, Add	*1.34*	
		For >40 To 80, Add	*0.50*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.74*	
09 65 13 13-0020	LF	3" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.28	2.02
		For Up To 20, Add	*2.44*	
		For >20 To 40, Add	*1.40*	
		For >40 To 80, Add	*0.53*	
		For >240 To 960, Deduct	*-0.56*	
		For >960, Deduct	*-0.84*	
09 65 13 13-0021	LF	4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.65	1.68
		For Up To 20, Add	*2.34*	
		For >20 To 40, Add	*1.34*	
		For >40 To 80, Add	*0.50*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.75*	
09 65 13 13-0022	LF	4-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.06	1.68
		For Up To 20, Add	*2.40*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.52*	
		For >240 To 960, Deduct	*-0.54*	
		For >960, Deduct	*-0.81*	
09 65 13 13-0023	LF	6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	9.73	2.02
		For Up To 20, Add	*3.08*	
		For >20 To 40, Add	*1.78*	
		For >40 To 80, Add	*0.69*	
		For >240 To 960, Deduct	*-0.77*	
		For >960, Deduct	*-1.16*	

09 65 13 23 Resilient Stair Treads and Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread.
All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	18.47	2.69
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	19.85	2.89
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	23.74	3.09
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0006 Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	17.54	2.69
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	18.49	2.89
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	22.37	3.10
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0010 Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*

09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	10.23	1.62

09 65 13 23-0012 Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	29.23	2.49
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	34.83	2.69
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	37.69	3.02
09 65 13 23-0016		Vinyl Stair Treads and Risers *(09 65 13 23)*		
09 65 13 23-0017		Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*		
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	20.33	2.45
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	22.45	2.69
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	26.85	2.90
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0021		Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*		
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	11.38	1.62
09 65 13 23-0023		Rubber Stair Treads *(09 65 13 23)*		
09 65 13 23-0024	LF	Stair Tread (Norament Grano)	39.24	2.90
09 65 13 23-0025	LF	Solid Stair Tread	35.50	2.90
09 65 13 23-0026	LF	Visibly Impaired (VI) Strip	12.01	2.90
09 65 13 33		**Resilient Accessories** *(09 65 13)*		
09 65 13 33-0001		Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*		
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.29	1.35
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	3.46	1.35
09 65 13 33-0004		Concrete Floor Prep *(09 65 13 33)*		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.68	
09 65 13 36		**Resilient Carpet Transitions** *(09 65 13)*		
09 65 13 36-0001		Vinyl Transition Strip *(09 65 13 36)*		
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	3.10	1.22
		For Up To 20, Add	*1.14*	
		For >20 To 40, Add	*0.65*	
		For >40 To 80, Add	*0.24*	
		For >240 To 960, Deduct	*-0.23*	
		For >960, Deduct	*-0.34*	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	2.80	1.22
		For Up To 20, Add	*1.09*	
		For >20 To 40, Add	*0.62*	
		For >40 To 80, Add	*0.22*	
		For >240 To 960, Deduct	*-0.20*	
		For >960, Deduct	*-0.29*	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	2.44	1.22
		For Up To 20, Add	*1.04*	
		For >20 To 40, Add	*0.58*	
		For >40 To 80, Add	*0.21*	
		For >240 To 960, Deduct	*-0.16*	
		For >960, Deduct	*-0.24*	
09 65 13 36-0005	LF	1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A)	3.94	1.68
		For Up To 20, Add	*1.67*	
		For >20 To 40, Add	*0.93*	
		For >40 To 80, Add	*0.33*	
		For >240 To 960, Deduct	*-0.26*	
		For >960, Deduct	*-0.39*	
09 65 13 36-0006		Vinyl, Wheeled Traffic Transitions *(09 65 13 36)*		
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	4.75	1.68
		For Up To 20, Add	*1.79*	
		For >20 To 40, Add	*1.01*	
		For >40 To 80, Add	*0.37*	
		For >240 To 960, Deduct	*-0.34*	
		For >960, Deduct	*-0.51*	
09 65 13 36-0008	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	4.75	1.68
		For Up To 20, Add	*1.79*	
		For >20 To 40, Add	*1.01*	
		For >40 To 80, Add	*0.37*	
		For >240 To 960, Deduct	*-0.34*	
		For >960, Deduct	*-0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0009	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	5.67	1.68
		For Up To 20, Add	*1.93*	
		For >20 To 40, Add	*1.11*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.65*	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	8.92	1.68
		For Up To 20, Add	*2.41*	
		For >20 To 40, Add	*1.43*	
		For >40 To 80, Add	*0.58*	
		For >240 To 960, Deduct	*-0.76*	
		For >960, Deduct	*-1.14*	
09 65 13 36-0011	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	8.94	1.68
		For Up To 20, Add	*2.42*	
		For >20 To 40, Add	*1.43*	
		For >40 To 80, Add	*0.58*	
		For >240 To 960, Deduct	*-0.76*	
		For >960, Deduct	*-1.14*	
09 65 13 36-0012	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	6.15	1.68
		For Up To 20, Add	*2.00*	
		For >20 To 40, Add	*1.15*	
		For >40 To 80, Add	*0.44*	
		For >240 To 960, Deduct	*-0.48*	
		For >960, Deduct	*-0.72*	
09 65 13 36-0013	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	8.71	1.68
		For Up To 20, Add	*2.38*	
		For >20 To 40, Add	*1.41*	
		For >40 To 80, Add	*0.57*	
		For >240 To 960, Deduct	*-0.74*	
		For >960, Deduct	*-1.10*	
09 65 13 36-0014	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	9.00	1.68
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.44*	
		For >40 To 80, Add	*0.58*	
		For >240 To 960, Deduct	*-0.77*	
		For >960, Deduct	*-1.15*	
09 65 13 36-0015	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	7.69	1.68
		For Up To 20, Add	*2.23*	
		For >20 To 40, Add	*1.31*	
		For >40 To 80, Add	*0.52*	
		For >240 To 960, Deduct	*-0.63*	
		For >960, Deduct	*-0.95*	
09 65 13 36-0016	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	8.33	1.68
		For Up To 20, Add	*2.33*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.55*	
		For >240 To 960, Deduct	*-0.70*	
		For >960, Deduct	*-1.05*	
09 65 13 36-0017	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	9.00	1.68
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.44*	
		For >40 To 80, Add	*0.58*	
		For >240 To 960, Deduct	*-0.77*	
		For >960, Deduct	*-1.15*	
09 65 13 36-0018	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	7.56	1.68
		For Up To 20, Add	*2.21*	
		For >20 To 40, Add	*1.29*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.62*	
		For >960, Deduct	*-0.93*	
09 65 13 36-0019	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	6.50	1.68
		For Up To 20, Add	*2.05*	
		For >20 To 40, Add	*1.19*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.52*	
		For >960, Deduct	*-0.77*	
09 65 13 36-0020	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	9.23	1.68
		For Up To 20, Add	*2.46*	
		For >20 To 40, Add	*1.46*	
		For >40 To 80, Add	*0.60*	
		For >240 To 960, Deduct	*-0.79*	
		For >960, Deduct	*-1.18*	
09 65 13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	11.69	1.68
		For Up To 20, Add	*2.83*	
		For >20 To 40, Add	*1.71*	
		For >40 To 80, Add	*0.72*	
		For >240 To 960, Deduct	*-1.03*	
		For >960, Deduct	*-1.55*	
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	6.33	1.68
		For Up To 20, Add	*2.03*	
		For >20 To 40, Add	*1.17*	
		For >40 To 80, Add	*0.45*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.75*	
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	6.42	1.68
		For Up To 20, Add	*2.04*	
		For >20 To 40, Add	*1.18*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.76*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	7.19	1.68
		For Up To 20, Add	*2.15*	
		For >20 To 40, Add	*1.26*	
		For >40 To 80, Add	*0.49*	
		For >240 To 960, Deduct	*-0.58*	
		For >960, Deduct	*-0.88*	

09 65 16 Resilient Sheet Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring *(09 65 16)*

09 65 16 23-0001 Vinyl Sheet Flooring *(09 65 16 23)*

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	12.05	1.00
		For Up To 40, Add	*5.09*	
		For >40 To 100, Add	*2.54*	
		For >1,000, Deduct	*-1.00*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintone™ Or Medley™)	9.91	1.00
		For Up To 40, Add	*4.66*	
		For >40 To 100, Add	*2.33*	
		For >1,000, Deduct	*-0.79*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	6.59	1.00
		For Up To 40, Add	*4.00*	
		For >40 To 100, Add	*2.00*	
		For >1,000, Deduct	*-0.45*	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	8.44	1.00
		For Up To 40, Add	*4.37*	
		For >40 To 100, Add	*2.18*	
		For >1,000, Deduct	*-0.64*	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring	11.19	1.00
		For Up To 40, Add	*4.92*	
		For >40 To 100, Add	*2.46*	
		For >1,000, Deduct	*-0.91*	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring	15.32	1.00
		For Up To 40, Add	*5.74*	
		For >40 To 100, Add	*2.87*	
		For >1,000, Deduct	*-1.33*	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	9.34
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	9.79

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners *(09 65 16 23)*

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	22.43

09 65 16 23-0013 Vinyl Sheet Flooring Accessories *(09 65 16 23)*

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	5.01
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	4.57
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	6.79
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	3.75

09 65 16 33 Rubber Sheet Flooring *(09 65 16)*

09 65 16 33-0001 Rubber Sheet Flooring *(09 65 16 33)*

09 65 16 33-0002	SF	2mm Rubber Sheet Flooring (Nora noraplan® environcare™)	8.77	1.64
09 65 16 33-0003	SF	3mm Rubber Sheet Flooring (Nora noraplan® environcare™)	10.57	1.64
09 65 16 33-0004	SF	2mm Rubber Sheet Flooring (Nora noraplan® sentica™)	8.77	1.64
09 65 16 33-0005	SF	3mm Rubber Sheet Flooring (Nora noraplan® sentica™)	10.57	1.64

09 65 19 Resilient Tile Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring *(09 65 19)*

09 65 19 19-0001 Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	4.95	2.02
		For 3/32" Thick, Deduct	*-0.25*	
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*1.74*	
		For >20 To 40, Add	*0.99*	
		For >40 To 80, Add	*0.37*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.29*	
		For >6,000, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	4.79	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*1.71*	
		For >20 To 40, Add	*0.98*	
		For >40 To 80, Add	*0.36*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.28*	
		For >6,000, Deduct	*-0.51*	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	4.79	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*1.71*	
		For >20 To 40, Add	*0.98*	
		For >40 To 80, Add	*0.36*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.28*	
		For >6,000, Deduct	*-0.51*	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	7.00	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*2.05*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.47*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.37*	
		For >6,000, Deduct	*-0.64*	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	7.02	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*2.05*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.48*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.37*	
		For >6,000, Deduct	*-0.65*	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	7.44	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*2.11*	
		For >20 To 40, Add	*1.24*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.67*	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	7.51	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*2.12*	
		For >20 To 40, Add	*1.25*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.67*	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	7.77	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*2.16*	
		For >20 To 40, Add	*1.28*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.69*	
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	10.18	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*2.52*	
		For >20 To 40, Add	*1.52*	
		For >40 To 80, Add	*0.63*	
		For >1,000 To 3,000, Deduct	*-0.22*	
		For >3,000 To 6,000, Deduct	*-0.49*	
		For >6,000, Deduct	*-0.83*	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	11.13	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*2.67*	
		For >20 To 40, Add	*1.61*	
		For >40 To 80, Add	*0.68*	
		For >1,000 To 3,000, Deduct	*-0.24*	
		For >3,000 To 6,000, Deduct	*-0.53*	
		For >6,000, Deduct	*-0.89*	
09 65 19 19-0012	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Mannington® Colorpoint®)	8.82	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*2.32*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.57*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.44*	
		For >6,000, Deduct	*-0.75*	

09 65 19 19-0013 Static Dissipative Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0014	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	20.18	2.02
		For Extra Stock, Material Only, Deduct	*-4.00*	
		For Up To 20, Add	*4.71*	
		For >20 To 40, Add	*2.86*	
		For >40 To 80, Add	*1.22*	
		For >1,000 To 3,000, Deduct	*-0.42*	
		For >3,000 To 6,000, Deduct	*-0.95*	
		For >6,000, Deduct	*-1.59*	
09 65 19 19-0015	SF	1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	15.73	2.02
		For Extra Stock, Material Only, Deduct	*-4.00*	
		For Up To 20, Add	*4.04*	
		For >20 To 40, Add	*2.42*	
		For >40 To 80, Add	*1.00*	
		For >1,000 To 3,000, Deduct	*-0.34*	
		For >3,000 To 6,000, Deduct	*-0.78*	
		For >6,000, Deduct	*-1.32*	

09 65 19 23 Vinyl Tile Flooring *(09 65 19)*

09 65 19 23-0001 Vinyl Tile *(09 65 19 23)*

Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) *(09 65 19 23-0001)*

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Standard Colors, Solid Vinyl Tile (SVT)	6.80	2.02
		For Up To 20, Add	*2.40*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.72*	
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Marbleized Or Travertine Pattern, Solid Vinyl Tile (SVT)	7.08	2.02
		For Up To 20, Add	*2.44*	
		For >20 To 40, Add	*1.40*	
		For >40 To 80, Add	*0.53*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.74*	
09 65 19 23-0005	SF	1/8" Thick, Class 1 Type B, Homogeneous, Slip Retardant, Solid Vinyl Tile (SVT)	7.17	2.02
		For Up To 20, Add	*2.46*	
		For >20 To 40, Add	*1.41*	
		For >40 To 80, Add	*0.53*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.74*	

09 65 19 23-0006 Luxury Vinyl Tile (LVT) *(09 65 19 23-0001)*

09 65 19 23-0007	SF	2.5mm Thick, 40 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Mannington Amtico)	10.68	2.02
		For Up To 20, Add	*2.98*	
		For >20 To 40, Add	*1.76*	
		For >40 To 80, Add	*0.71*	
		For >1,000 To 3,000, Deduct	*-0.23*	
		For >3,000 To 6,000, Deduct	*-0.55*	
		For >6,000, Deduct	*-0.95*	
09 65 19 23-0008	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Crete)	6.83	2.70
		For Up To 20, Add	*2.41*	
		For >20 To 40, Add	*1.38*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.72*	
09 65 19 23-0009	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Jeogori)	7.01	2.70
		For Up To 20, Add	*2.44*	
		For >20 To 40, Add	*1.39*	
		For >40 To 80, Add	*0.52*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.73*	
09 65 19 23-0010	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Grain Direct Glue)	6.65	2.69
		For Up To 20, Add	*2.38*	
		For >20 To 40, Add	*1.36*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.71*	
09 65 19 23-0011	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down Luxury Vinyl Tile (LVT) Plank (Shaw Pigment Direct Glue)	6.99	2.69
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.39*	
		For >40 To 80, Add	*0.52*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.73*	
09 65 19 23-0012	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 2.5MM)	5.98	2.02
		For Up To 20, Add	*2.28*	
		For >20 To 40, Add	*1.29*	
		For >40 To 80, Add	*0.47*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.36*	
		For >6,000, Deduct	*-0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0013	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 5.0MM)	7.55	2.02
		For Up To 20, Add	*2.51*	
		For >20 To 40, Add	*1.45*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.76*	
09 65 19 23-0014	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 2.5MM)	6.78	2.69
		For Up To 20, Add	*2.40*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.72*	
09 65 19 23-0015	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 5.0MM)	7.56	2.69
		For Up To 20, Add	*2.51*	
		For >20 To 40, Add	*1.45*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.76*	
09 65 19 23-0016	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 2.5MM)	6.78	2.69
		For Up To 20, Add	*2.40*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.72*	
09 65 19 23-0017	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 5.0MM)	7.56	2.69
		For Up To 20, Add	*2.51*	
		For >20 To 40, Add	*1.45*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.76*	
09 65 19 23-0018	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Inlet II)	7.70	2.69
		For Up To 20, Add	*2.54*	
		For >20 To 40, Add	*1.46*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.77*	
09 65 19 23-0019	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Cove)	7.70	2.69
		For Up To 20, Add	*2.54*	
		For >20 To 40, Add	*1.46*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.77*	
09 65 19 23-0020	SF	6mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Basis)	8.28	2.70
		For Up To 20, Add	*2.63*	
		For >20 To 40, Add	*1.52*	
		For >40 To 80, Add	*0.59*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.45*	
		For >6,000, Deduct	*-0.81*	
09 65 19 23-0021	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Thoughtful)	7.66	2.70
		For Up To 20, Add	*2.53*	
		For >20 To 40, Add	*1.46*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.77*	
09 65 19 23-0022	SF	3mm Thick, 30 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Unveil)	6.67	2.69
		For Up To 20, Add	*2.38*	
		For >20 To 40, Add	*1.36*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.71*	
09 65 19 23-0023	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Abide)	6.27	2.69
		For Up To 20, Add	*2.32*	
		For >20 To 40, Add	*1.32*	
		For >40 To 80, Add	*0.49*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.37*	
		For >6,000, Deduct	*-0.69*	
09 65 19 23-0024	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Solitude)	7.04	2.02
		For Up To 20, Add	*2.44*	
		For >20 To 40, Add	*1.39*	
		For >40 To 80, Add	*0.52*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.73*	
09 65 19 23-0025	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Strand)	6.42	2.02
		For Up To 20, Add	*2.34*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.49*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0026	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 2.5MM)	5.93	2.02
		For Up To 20, Add	*2.27*	
		For >20 To 40, Add	*1.29*	
		For >40 To 80, Add	*0.47*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.36*	
		For >6,000, Deduct	*-0.67*	
09 65 19 23-0027	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 5.0MM)	7.41	2.02
		For Up To 20, Add	*2.50*	
		For >20 To 40, Add	*1.43*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.76*	
09 65 19 23-0028	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 2.5MM)	5.93	2.02
		For Up To 20, Add	*2.27*	
		For >20 To 40, Add	*1.29*	
		For >40 To 80, Add	*0.47*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.36*	
		For >6,000, Deduct	*-0.67*	
09 65 19 23-0029	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 5.0MM)	7.41	2.02
		For Up To 20, Add	*2.50*	
		For >20 To 40, Add	*1.43*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.76*	
09 65 19 23-0030	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Joy Squared)	6.78	2.02
		For Up To 20, Add	*2.40*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.72*	

09 65 19 33 Rubber Tile Flooring *(09 65 19)*

09 65 19 33-0001 Rubber Tile Flooring *(09 65 19 33)*

09 65 19 33-0002	SF	3.5mm, 39.3" Square Rubber Tile Flooring (Nora norament® xp™)	12.85	1.64
09 65 19 33-0003	SF	3.5mm, 39.3" Square Rubber Tile Flooring (Nora norament® grano™)	12.85	1.64
09 65 19 33-0004	SF	3.5mm, 39.3" Square Rubber Tile Flooring (Nora norament® satura™)	12.85	1.64

09 65 19 33-0005 Rubber Tile *(09 65 19 33)*

09 65 19 33-0006 Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0005)*

09 65 19 33-0007	SF	1/8" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	24.42	1.22
		For Up To 20, Add	*4.66*	
		For >20 To 40, Add	*2.94*	
		For >40 To 100, Add	*1.35*	
09 65 19 33-0008	SF	3/16" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	29.54	1.35
		For Up To 20, Add	*5.51*	
		For >20 To 40, Add	*3.49*	
		For >40 To 100, Add	*1.61*	
09 65 19 33-0009	SF	7/32" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	32.86	1.62
		For Up To 20, Add	*6.22*	
		For >20 To 40, Add	*3.93*	
		For >40 To 100, Add	*1.80*	

09 65 19 43 Polyester Composition Tile Flooring *(09 65 19)*

09 65 19 43-0001 Polyester Composition Floor Tile *(09 65 19 43)*

Note: Any size.

09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	10.81	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*2.62*	
		For >20 To 40, Add	*1.58*	
		For >40 To 80, Add	*0.67*	
		For >1,000 To 3,000, Deduct	*-0.23*	
		For >3,000 To 6,000, Deduct	*-0.52*	
		For >6,000, Deduct	*-0.87*	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	8.16	2.02
		For Extra Stock, Material Only, Deduct	*-2.37*	
		For Up To 20, Add	*2.22*	
		For >20 To 40, Add	*1.31*	
		For >40 To 80, Add	*0.53*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.71*	

09 65 23 Resilient Plank Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 23 00-0001 Vinyl Plank Flooring *(09 65 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 23 00-0002	SF	0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	7.45	1.00
		For Up To 40, Add	*4.17*	
		For >40 To 100, Add	*2.08*	
		For >1,000, Deduct	*-0.54*	
09 65 23 00-0003	SF	0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	9.19	1.00
		For Up To 40, Add	*4.52*	
		For >40 To 100, Add	*2.26*	
		For >1,000, Deduct	*-0.71*	
09 65 23 00-0004	SF	0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	10.26	1.00
		For Up To 40, Add	*4.73*	
		For >40 To 100, Add	*2.37*	
		For >1,000, Deduct	*-0.82*	
09 65 23 00-0005	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, PVC Free, Resilient Plank Flooring (Shaw Pivot)	6.57	2.02
		For Up To 20, Add	*2.37*	
		For >20 To 40, Add	*1.35*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.70*	

09 65 43 Linoleum Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 43 00-0001 Linoleum Flooring *(09 65 43)*

09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, Armstrong)	8.27	2.02
		For Up To 20, Add	*2.62*	
		For >20 To 40, Add	*1.52*	
		For >40 To 100, Add	*0.59*	
09 65 43 00-0003	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Real)	11.51	1.01
09 65 43 00-0004	SF	> 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Real)	10.58	1.01
09 65 43 00-0005	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Striato)	11.95	1.01
09 65 43 00-0006	SF	> 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Striato)	11.10	1.01
09 65 43 00-0007	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Armstrong Marmorette)	11.95	1.01
09 65 43 00-0008	SF	> 76 SY 2.5mm, Linoleum Sheet (Armstrong Marmorette)	10.75	1.01
09 65 43 00-0009	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Uni Walton)	14.71	1.01
09 65 43 00-0010	SF	> 76 SY 2.5mm, Linoleum Sheet (Uni Walton)	13.51	1.01
09 65 43 00-0011	LF	Heat Weld Linoleum Sheet Flooring Seams	9.35	
		Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		

09 65 66 Resilient Athletic Flooring *(09 65)*

09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	8.22	0.94
		For Colors, Add	*1.37*	
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	9.58	1.18
		For Colors, Add	*1.58*	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	11.28	1.89
		For Colors, Add	*1.72*	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	16.24	2.29
		For Colors, Add	*2.60*	

09 65 66 00-0006 Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	42.54	0.94
		For Colors, Add	*5.15*	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	61.43	0.94
		For Colors, Add	*7.51*	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	44.92	0.94
		For Colors, Add	*5.45*	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	55.21	0.94
		For Colors, Add	*6.73*	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	46.18	0.94
		For Colors, Add	*5.60*	

09 65 66 00-0012 Sheet Goods For Gym *(09 65 66)*

09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	24.59	4.04
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	26.01	4.17
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	27.28	4.31
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base	6.63	3.29
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base	7.46	3.77
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base	8.46	4.04
09 65 66 00-0019	SF	3/8" Rubber Sheet Good For Gym Floor Base	9.24	4.31
09 65 66 00-0020	SF	1/2" Rubber Sheet Good For Gym Floor Base	9.75	4.57

09 65 66 00-0021 Polyurethane Floor Systems *(09 65 66)*

See CSI section 09 93 23 53-0015 for game lines.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	27.09	2.69
09 65 66 00-0023		Engineered Athletic Flooring Systems (Taraflex) *(09 65 66)*		
		Note: Excludes concrete repairs to subbase and thresholds.		
09 65 66 00-0024	SF	3mm, Engineered Athletic Flooring System (Taraflex Multi-Use 3.0)	16.52	2.19
09 65 66 00-0025	SF	5mm, Engineered Athletic Flooring System (Taraflex Multi-Use 5.0)	17.60	2.19
09 65 66 00-0026	SF	7mm, Engineered Athletic Flooring System (Taraflex Sport M Plus)	20.65	2.19
09 65 66 00-0027	SF	7mm, Engineered Athletic Flooring System (Taraflex Sport M Plus Drytex)	24.91	2.19
09 65 66 00-0028	SF	9mm, Engineered Athletic Flooring System (Taraflex Sport Performance Plus)	20.98	2.19
09 65 66 00-0029	SF	Slip Sheet Membrane For Engineered Athletic Flooring Systems (Taraflex Isolsport)	3.89	0.82
09 65 66 00-0030	EA	Lines For Engineered Athletic Flooring Systems, Per Sport (Taraflex)	822.22	
		Note: Lines priced per sport for a standard sized gym floor (approximately 5,000 SF).		

09 66 Terrazzo Flooring *(09 60)*

09 66 13 Portland Cement Terrazzo Flooring *(09 66)*

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring *(09 66 13)*

09 66 13 13-0001 Floors Not Bonded To Concrete *(09 66 13 13)*

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	36.48	3.36
		For Venetian Type Terrazzo, Add	*9.29*	
		For Abrasive Heavy-Duty Terrazzo, Add	*9.29*	
		For Colors, Add	*4.64*	
		For Up To 100, Add	*9.02*	
		For >100 To 250, Add	*4.51*	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	36.65	3.36
		For Venetian Type Terrazzo, Add	*9.37*	
		For Abrasive Heavy-Duty Terrazzo, Add	*9.37*	
		For Colors, Add	*4.69*	
		For Up To 100, Add	*9.04*	
		For >100 To 250, Add	*4.52*	

09 66 13 16 Monolithic Terrazzo Flooring *(09 66 13)*

09 66 13 16-0001 Monolithic Terrazzo *(09 66 13 16)*

09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping	20.03	3.36
		Note: Including Mesh And Felt		
		For Venetian Type Terrazzo, Add	*6.76*	
		For Abrasive Heavy-Duty Terrazzo, Add	*6.76*	
		For Colors, Add	*3.38*	
		For Up To 100, Add	*3.96*	
		For >100 To 250, Add	*1.98*	

09 66 13 19 Bonded Terrazzo Flooring *(09 66 13)*

09 66 13 19-0001 Floors Bonded To Concrete *(09 66 13 19)*

Note: 1-3/4" Thick - 5/8" topping.

09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	29.08	3.36
		For Venetian Type Terrazzo, Add	*7.66*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.66*	
		For Colors, Add	*3.83*	
		For Up To 100, Add	*7.04*	
		For >100 To 250, Add	*3.52*	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	29.26	3.36
		For Venetian Type Terrazzo, Add	*7.75*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.75*	
		For Colors, Add	*3.88*	
		For Up To 100, Add	*7.05*	
		For >100 To 250, Add	*3.53*	

09 66 13 19-0004 Terrazzo Wainscot *(09 66 13 19)*

09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	39.73	4.48
		For Venetian Type Terrazzo, Add	*4.96*	

09 66 13 19-0006 Terrazzo Base *(09 66 13 19)*

09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	41.77	3.62
		For Venetian Type Terrazzo, Add	*10.82*	

09 66 13 19-0008 Terrazzo Curb *(09 66 13 19)*

09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	109.38	24.16
		For Venetian Type Terrazzo, Add	*14.42*	

09 66 13 19-0010 Stairs Cast In Place *(09 66 13 19)*

Note: Topping applied to concrete or metal.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0011		LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	40.64	6.70
			For Each SF Of Abrasive Surface Finish, Add	*0.35*	
			For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
			For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
			For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0012		LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	101.89	22.36
			For Each SF Of Abrasive Surface Finish, Add	*0.35*	
			For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
			For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
			For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0013		SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	41.18	6.70
			For Each SF Of Abrasive Surface Finish, Add	*0.35*	
			For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
			For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
			For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0014			Divider Strips *(09 66 13 19)*		
09 66 13 19-0015		LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	6.44	1.12
09 66 13 19-0016		LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	6.63	1.12
09 66 13 19-0017		LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	10.01	1.12
09 66 13 19-0018		LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	14.83	1.12
09 66 13 19-0019		LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	6.19	1.12
09 66 13 19-0020		LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	9.22	1.12
09 66 13 19-0021		LF	Vinyl Plastic, Divider Strip For Floor	6.68	1.12
09 66 16			**Terrazzo Floor Tile** *(09 66)*		
09 66 16 13			**Portland Cement Terrazzo Floor Tile** *(09 66 16)*		
09 66 16 13-0001			Flooring Tiles *(09 66 16 13)*		
			Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002			Terrazzo Tiles With Non-Slip Surface *(09 66 16 13-0001)*		
09 66 16 13-0003		SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	33.88	3.28
			For White Cement, Add	*0.36*	
			For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0004		SF	12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	34.45	3.28
			For White Cement, Add	*0.36*	
			For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0005		SF	12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	39.76	3.28
			For White Cement, Add	*0.36*	
			For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0006		SF	18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	42.30	3.28
			For White Cement, Add	*0.36*	
			For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0007		SF	24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	43.97	3.28
			For White Cement, Add	*0.36*	
			For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0008			Terrazzo Tile Thin Set *(09 66 16 13-0001)*		
09 66 16 13-0009		SF	Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	33.43	3.28
			For White Cement, Add	*0.36*	
			For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0010		SF	Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed	35.55	3.28
			For White Cement, Add	*0.36*	
			For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0011			Thin Set Terrazzo Wainscot *(09 66 16 13-0001)*		
09 66 16 13-0012		SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	54.12	7.25
			For Each LF Of White Cement, Add	*0.50*	
			For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0013		SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	61.83	7.25
			For Each LF Of White Cement, Add	*0.50*	
			For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0014			Thin Set Terrazzo Base, Gray Cement *(09 66 16 13-0001)*		
09 66 16 13-0015		LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	17.91	3.62
			For Each LF Of White Cement, Add	*0.50*	
			For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0016		LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	19.87	3.62
			For Each LF Of White Cement, Add	*0.50*	
			For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0017		LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	20.79	3.62
			For Each LF Of White Cement, Add	*0.50*	
			For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0018		LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	21.77	3.62
			For Each LF Of White Cement, Add	*0.50*	
			For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0019			Terrazzo Curbs *(09 66 16 13-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile	36.71	4.84
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile	35.73	4.84
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0022		Precast Terrazzo Stair Treads 12" Wide *(09 66 16 13-0001)*		
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	84.22	4.84
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	72.46	4.84
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	64.62	4.84
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	75.51	4.84
09 66 16 13-0027		Stair Risers, 1" Thick To 6" High, Straight *(09 66 16 13-0001)*		
09 66 16 13-0028	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	38.62	3.62
09 66 16 13-0029	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	44.51	3.62
09 66 16 13-0030		Stair Risers, 1" Thick To 6" High, Curved *(09 66 16 13-0001)*		
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	56.32	3.62
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	60.25	3.62
09 66 16 13-0033		Tread And Riser *(09 66 16 13)*		
09 66 16 13-0034		Stair Stringers, Notched For Treads And Risers *(09 66 16 13-0033)*		
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	94.90	9.66
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	114.37	9.66
09 66 16 13-0037		Structural Non-Slip Landings *(09 66 16 13-0033)*		
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	68.10	4.84
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	83.46	4.84
09 66 16 13-0040		Combined Tread And Riser *(09 66 16 13-0033)*		
09 66 16 13-0041		Straight Sections *(09 66 16 13-0040)*		
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	146.95	9.66
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	174.40	9.66
09 66 16 13-0044		Curved Sections *(09 66 16 13-0040)*		
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	183.38	9.66
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	230.43	9.66
09 66 23		**Resinous Matrix Terrazzo Flooring** *(09 66)*		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring** *(09 66 23)*		
09 66 23 16-0001		Epoxy Terrazzo *(09 66 23 16)*		
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	27.63	3.36
09 66 33		**Conductive Terrazzo Flooring** *(09 66)*		
		Note: For anti-static areas.		
09 66 33 13		**Conductive Epoxy-Resin Terrazzo** *(09 66 33)*		
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Spark Proof, Conductive, Industrial	29.21	6.04
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Spark Proof, Conductive, Industrial	52.68	6.04
09 66 33 16		**Conductive Polyester-Resin Terrazzo Flooring** *(09 66 33)*		
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Spark Proof, Conductive, Industrial	22.42	6.04
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Spark Proof, Conductive, Industrial	37.90	6.04
09 66 33 19		**Conductive Plastic-Matrix Terrazzo Flooring** *(09 66 33)*		
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Spark Proof, Conductive, Industrial	25.10	6.04
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Spark Proof, Conductive, Industrial	47.58	6.04
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Spark Proof, Conductive, Industrial	36.00	6.04
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Spark Proof, Conductive, Industrial	41.09	6.04
09 67		**Fluid-Applied Flooring** *(09 60)*		
09 67 16		**Epoxy-Marble Chip Flooring** *(09 67)*		
09 67 16 00-0001		Epoxy Marble Chip Flooring *(09 67 16)*		

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 16 00-0002		SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.	19.02	3.36
			For Skid Resistant Abrasive Sand Finish, Add	*0.09*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.09*	
09 67 16 00-0003		SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy-Duty Epoxy Note: Includes primer, 3/16" marble chip coat and top seal coat.	20.27	3.36
			For Skid Resistant Abrasive Sand Finish, Add	*0.10*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.10*	

09 67 23 Resinous Flooring *(09 67)*

09 67 23 00-0001 Epoxy Resin Flooring *(09 67 23)*

Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.

09 67 23 00-0002		SF	3/16" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, one 3/16" slurry coat and top seal coats (color).	14.70	7.60
			For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
			For Up To 500, Add	*2.78*	
			For >500 To 1,000, Add	*1.76*	
			For >1,000 To 2,000, Add	*0.88*	
			For >10,000, Deduct	*-0.96*	
09 67 23 00-0003		SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, one 3/16" slurry coat and top seal coats (color).	21.65	7.60
			For Skid Resistant Abrasive Sand Finish, Add	*0.13*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.13*	
			For Up To 500, Add	*4.52*	
			For >500 To 1,000, Add	*2.80*	
			For >1,000 To 2,000, Add	*1.40*	
			For >10,000, Deduct	*-1.31*	
09 67 23 00-0004		SF	1/4" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 1/8" slurry coats and top seal coats (color).	17.57	8.49
			For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
			For Up To 500, Add	*3.27*	
			For >500 To 1,000, Add	*2.08*	
			For >1,000 To 2,000, Add	*1.04*	
			For >10,000, Deduct	*-1.16*	
09 67 23 00-0005		SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 1/8" slurry coats and top seal coats (color).	25.53	8.49
			For Skid Resistant Abrasive Sand Finish, Add	*0.14*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.14*	
			For Up To 500, Add	*5.26*	
			For >500 To 1,000, Add	*3.27*	
			For >1,000 To 2,000, Add	*1.64*	
			For >10,000, Deduct	*-1.56*	
09 67 23 00-0006		SF	3/8" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	19.84	9.51
			For Skid Resistant Abrasive Sand Finish, Add	*0.07*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.07*	
			For Up To 500, Add	*3.72*	
			For >500 To 1,000, Add	*2.35*	
			For >1,000 To 2,000, Add	*1.18*	
			For >10,000, Deduct	*-1.30*	
09 67 23 00-0007		SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	28.28	9.51
			For Skid Resistant Abrasive Sand Finish, Add	*0.16*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.16*	
			For Up To 500, Add	*5.83*	
			For >500 To 1,000, Add	*3.62*	
			For >1,000 To 2,000, Add	*1.81*	
			For >10,000, Deduct	*-1.72*	

09 68 Carpeting *(09 60)*

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting *(09 68)*

09 68 13 00-0001 Tufted Carpet Tile With Fiberglass Reinforced Backing *(09 68 13)*

Note: Includes glue (Lees ICT Backing System)

09 68 13 00-0002 Non-Patterned Carpet Tiles *(09 68 13 00-0001)*

09 68 13 00-0003		SY	18 Ounce, Non-Patterned, Nylon Carpet Tile	47.98	8.09
			For Up To 15, Add	*3.97*	
			For >15 To 33, Add	*1.98*	
			For >200 To 400, Deduct	*-0.56*	
			For >400 To 600, Deduct	*-0.84*	
			For >600 To 900, Deduct	*-1.70*	
			For >900 To 1,500, Deduct	*-2.57*	
			For >1,500 To 2,200, Deduct	*-3.81*	
			For >2,200 To 3,500, Deduct	*-5.01*	
			For >3,500, Deduct	*-6.21*	
			For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0004	SY	20 Ounce, Non-Patterned, Nylon Carpet Tile	49.69	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.79*	
		For >900 To 1,500, Deduct	*-2.68*	
		For >1,500 To 2,200, Deduct	*-3.98*	
		For >2,200 To 3,500, Deduct	*-5.22*	
		For >3,500, Deduct	*-6.46*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0005	SY	22 Ounce, Non-Patterned, Nylon Carpet Tile	55.11	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.06*	
		For >600 To 900, Deduct	*-2.06*	
		For >900 To 1,500, Deduct	*-3.06*	
		For >1,500 To 2,200, Deduct	*-4.52*	
		For >2,200 To 3,500, Deduct	*-5.90*	
		For >3,500, Deduct	*-7.27*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0006	SY	24 Ounce, Non-Patterned, Nylon Carpet Tile	60.39	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-0.81*	
		For >400 To 600, Deduct	*-1.22*	
		For >600 To 900, Deduct	*-2.33*	
		For >900 To 1,500, Deduct	*-3.43*	
		For >1,500 To 2,200, Deduct	*-5.05*	
		For >2,200 To 3,500, Deduct	*-6.56*	
		For >3,500, Deduct	*-8.07*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0007	SY	26 Ounce, Non-Patterned, Nylon Carpet Tile	63.48	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.48*	
		For >900 To 1,500, Deduct	*-3.65*	
		For >1,500 To 2,200, Deduct	*-5.36*	
		For >2,200 To 3,500, Deduct	*-6.94*	
		For >3,500, Deduct	*-8.53*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0008	SY	28 Ounce, Non-Patterned, Nylon Carpet Tile	66.64	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-0.94*	
		For >400 To 600, Deduct	*-1.40*	
		For >600 To 900, Deduct	*-2.64*	
		For >900 To 1,500, Deduct	*-3.87*	
		For >1,500 To 2,200, Deduct	*-5.67*	
		For >2,200 To 3,500, Deduct	*-7.34*	
		For >3,500, Deduct	*-9.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0009	SY	30 Ounce, Non-Patterned, Nylon Carpet Tile	67.58	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.68*	
		For >900 To 1,500, Deduct	*-3.94*	
		For >1,500 To 2,200, Deduct	*-5.77*	
		For >2,200 To 3,500, Deduct	*-7.46*	
		For >3,500, Deduct	*-9.15*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0010	SY	32 Ounce, Non-Patterned, Nylon Carpet Tile	68.17	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.45*	
		For >600 To 900, Deduct	*-2.71*	
		For >900 To 1,500, Deduct	*-3.98*	
		For >1,500 To 2,200, Deduct	*-5.83*	
		For >2,200 To 3,500, Deduct	*-7.53*	
		For >3,500, Deduct	*-9.23*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0011	SY	34 Ounce, Non-Patterned, Nylon Carpet Tile	68.66	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.74*	
		For >900 To 1,500, Deduct	*-4.01*	
		For >1,500 To 2,200, Deduct	*-5.87*	
		For >2,200 To 3,500, Deduct	*-7.59*	
		For >3,500, Deduct	*-9.31*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0012	SY	36 Ounce, Non-Patterned, Nylon Carpet Tile	70.35	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.82*	
		For >900 To 1,500, Deduct	*-4.13*	
		For >1,500 To 2,200, Deduct	*-6.04*	
		For >2,200 To 3,500, Deduct	*-7.80*	
		For >3,500, Deduct	*-9.56*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0013	SY	38 Ounce, Non-Patterned, Nylon Carpet Tile	73.69	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-1.08*	
		For >400 To 600, Deduct	*-1.62*	
		For >600 To 900, Deduct	*-2.99*	
		For >900 To 1,500, Deduct	*-4.36*	
		For >1,500 To 2,200, Deduct	*-6.38*	
		For >2,200 To 3,500, Deduct	*-8.22*	
		For >3,500, Deduct	*-10.06*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0014	SY	40 Ounce, Non-Patterned, Nylon Carpet Tile	77.28	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-1.15*	
		For >400 To 600, Deduct	*-1.72*	
		For >600 To 900, Deduct	*-3.17*	
		For >900 To 1,500, Deduct	*-4.62*	
		For >1,500 To 2,200, Deduct	*-6.74*	
		For >2,200 To 3,500, Deduct	*-8.67*	
		For >3,500, Deduct	*-10.60*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0015	SY	42 Ounce, Non-Patterned, Nylon Carpet Tile	84.17	8.09
		For Up To 15, Add	*3.97*	
		For >15 To 33, Add	*1.98*	
		For >200 To 400, Deduct	*-1.29*	
		For >400 To 600, Deduct	*-1.93*	
		For >600 To 900, Deduct	*-3.51*	
		For >900 To 1,500, Deduct	*-5.10*	
		For >1,500 To 2,200, Deduct	*-7.43*	
		For >2,200 To 3,500, Deduct	*-9.53*	
		For >3,500, Deduct	*-11.63*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0016	SY	Installation Of Owner Provided Non-Patterned Carpet Tiles	19.48	

09 68 13 00-0017 Patterned Carpet Tiles *(09 68 13 00-0001)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile	49.48	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-0.55*	
		For >400 To 600, Deduct	*-0.83*	
		For >600 To 900, Deduct	*-1.71*	
		For >900 To 1,500, Deduct	*-2.59*	
		For >1,500 To 2,200, Deduct	*-3.86*	
		For >2,200 To 3,500, Deduct	*-5.09*	
		For >3,500, Deduct	*-6.33*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	49.97	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-0.56*	
		For >400 To 600, Deduct	*-0.84*	
		For >600 To 900, Deduct	*-1.73*	
		For >900 To 1,500, Deduct	*-2.62*	
		For >1,500 To 2,200, Deduct	*-3.91*	
		For >2,200 To 3,500, Deduct	*-5.15*	
		For >3,500, Deduct	*-6.40*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile	52.13	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-0.61*	
		For >400 To 600, Deduct	*-0.91*	
		For >600 To 900, Deduct	*-1.84*	
		For >900 To 1,500, Deduct	*-2.78*	
		For >1,500 To 2,200, Deduct	*-4.12*	
		For >2,200 To 3,500, Deduct	*-5.42*	
		For >3,500, Deduct	*-6.73*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	57.63	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.12*	
		For >900 To 1,500, Deduct	*-3.16*	
		For >1,500 To 2,200, Deduct	*-4.67*	
		For >2,200 To 3,500, Deduct	*-6.11*	
		For >3,500, Deduct	*-7.55*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	62.99	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.23*	
		For >600 To 900, Deduct	*-2.39*	
		For >900 To 1,500, Deduct	*-3.54*	
		For >1,500 To 2,200, Deduct	*-5.21*	
		For >2,200 To 3,500, Deduct	*-6.78*	
		For >3,500, Deduct	*-8.36*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	66.12	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.54*	
		For >900 To 1,500, Deduct	*-3.76*	
		For >1,500 To 2,200, Deduct	*-5.52*	
		For >2,200 To 3,500, Deduct	*-7.17*	
		For >3,500, Deduct	*-8.83*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	69.34	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.70*	
		For >900 To 1,500, Deduct	*-3.98*	
		For >1,500 To 2,200, Deduct	*-5.84*	
		For >2,200 To 3,500, Deduct	*-7.58*	
		For >3,500, Deduct	*-9.31*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	70.28	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.45*	
		For >600 To 900, Deduct	*-2.75*	
		For >900 To 1,500, Deduct	*-4.05*	
		For >1,500 To 2,200, Deduct	*-5.94*	
		For >2,200 To 3,500, Deduct	*-7.69*	
		For >3,500, Deduct	*-9.45*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	70.88	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.47*	
		For >600 To 900, Deduct	*-2.78*	
		For >900 To 1,500, Deduct	*-4.09*	
		For >1,500 To 2,200, Deduct	*-6.00*	
		For >2,200 To 3,500, Deduct	*-7.77*	
		For >3,500, Deduct	*-9.54*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	71.38	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.49*	
		For >600 To 900, Deduct	*-2.80*	
		For >900 To 1,500, Deduct	*-4.12*	
		For >1,500 To 2,200, Deduct	*-6.05*	
		For >2,200 To 3,500, Deduct	*-7.83*	
		For >3,500, Deduct	*-9.62*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile	73.10	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.54*	
		For >600 To 900, Deduct	*-2.89*	
		For >900 To 1,500, Deduct	*-4.24*	
		For >1,500 To 2,200, Deduct	*-6.22*	
		For >2,200 To 3,500, Deduct	*-8.05*	
		For >3,500, Deduct	*-9.87*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile	76.49	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-1.09*	
		For >400 To 600, Deduct	*-1.64*	
		For >600 To 900, Deduct	*-3.06*	
		For >900 To 1,500, Deduct	*-4.48*	
		For >1,500 To 2,200, Deduct	*-6.56*	
		For >2,200 To 3,500, Deduct	*-8.47*	
		For >3,500, Deduct	*-10.38*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile	80.13	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-1.17*	
		For >400 To 600, Deduct	*-1.75*	
		For >600 To 900, Deduct	*-3.24*	
		For >900 To 1,500, Deduct	*-4.74*	
		For >1,500 To 2,200, Deduct	*-6.92*	
		For >2,200 To 3,500, Deduct	*-8.92*	
		For >3,500, Deduct	*-10.93*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile	87.13	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-1.31*	
		For >400 To 600, Deduct	*-1.96*	
		For >600 To 900, Deduct	*-3.59*	
		For >900 To 1,500, Deduct	*-5.23*	
		For >1,500 To 2,200, Deduct	*-7.62*	
		For >2,200 To 3,500, Deduct	*-9.80*	
		For >3,500, Deduct	*-11.98*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles	22.37	

09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) *(09 68 13 00-0001)*

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	103.47	8.09
		For Up To 15, Add	*4.37*	
		For >15 To 33, Add	*2.18*	
		For >200 To 400, Deduct	*-1.63*	
		For >400 To 600, Deduct	*-2.45*	
		For >600 To 900, Deduct	*-4.41*	
		For >900 To 1,500, Deduct	*-6.37*	
		For >1,500 To 2,200, Deduct	*-9.26*	
		For >2,200 To 3,500, Deduct	*-11.84*	
		For >3,500, Deduct	*-14.43*	

09 68 13 00-0035 Carpet Tiles *(09 68 13)*

Note: Includes glue

09 68 13 00-0036	SY	27 Ounce, Patterned, Nylon Carpet Tile (Mannington Graffiti II) Note: Tip sheared patterned loop carpet tile with reinforced composite closed cell polymer backing.	130.44	8.09
		For >200 To 400, Deduct	*-2.17*	
		For >400 To 600, Deduct	*-3.26*	
		For >600 To 900, Deduct	*-5.76*	
		For >900 To 1,500, Deduct	*-8.26*	
		For >1,500 To 2,200, Deduct	*-11.95*	
		For >2,200 To 3,500, Deduct	*-15.21*	
		For >3,500, Deduct	*-18.47*	
09 68 13 00-0037	SY	22 Ounce, Patterned, Nylon Carpet Tile (Lees Ground Strata) Note: Tufted carpet tile with EcoFlex ICT backing.	110.87	8.09
		For >200 To 400, Deduct	*-1.78*	
		For >400 To 600, Deduct	*-2.67*	
		For >600 To 900, Deduct	*-4.78*	
		For >900 To 1,500, Deduct	*-6.89*	
		For >1,500 To 2,200, Deduct	*-10.00*	
		For >2,200 To 3,500, Deduct	*-12.77*	
		For >3,500, Deduct	*-15.54*	
09 68 13 00-0038	SY	20 Ounce, Patterned, Nylon Carpet Tile (Lees Parkway) Note: Tufted carpet tile with EcoFlex ICT backing.	114.39	8.09
		For >200 To 400, Deduct	*-1.85*	
		For >400 To 600, Deduct	*-2.78*	
		For >600 To 900, Deduct	*-4.96*	
		For >900 To 1,500, Deduct	*-7.13*	
		For >1,500 To 2,200, Deduct	*-10.35*	
		For >2,200 To 3,500, Deduct	*-13.21*	
		For >3,500, Deduct	*-16.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0039	SY	22 Ounce, Patterned, Nylon Carpet Tile (Lees Realization)	111.46	8.09
		Note: Tufted carpet tile with EcoFlex ICT backing.		
		For >200 To 400, Deduct	*-1.79*	
		For >400 To 600, Deduct	*-2.69*	
		For >600 To 900, Deduct	*-4.81*	
		For >900 To 1,500, Deduct	*-6.93*	
		For >1,500 To 2,200, Deduct	*-10.05*	
		For >2,200 To 3,500, Deduct	*-12.84*	
		For >3,500, Deduct	*-15.63*	
09 68 13 00-0040	SY	20 Ounce, Patterned, Nylon Carpet Tile (Lees Shirt)	114.98	8.09
		Note: Tufted carpet tile with EcoFlex ICT backing.		
		For >200 To 400, Deduct	*-1.86*	
		For >400 To 600, Deduct	*-2.79*	
		For >600 To 900, Deduct	*-4.98*	
		For >900 To 1,500, Deduct	*-7.18*	
		For >1,500 To 2,200, Deduct	*-10.41*	
		For >2,200 To 3,500, Deduct	*-13.28*	
		For >3,500, Deduct	*-16.16*	

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion *(09 68 16)*

09 68 16 00-0002 Carpet Padding *(09 68 16 00-0001)*

09 68 16 00-0003 Prime Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding	19.42	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.29*	
		For >400 To 600, Deduct	*-0.43*	
		For >600 To 900, Deduct	*-0.79*	
		For >900 To 1,500, Deduct	*-1.15*	
		For >1,500 To 2,200, Deduct	*-1.69*	
		For >2,200 To 3,500, Deduct	*-2.17*	
		For >3,500, Deduct	*-2.66*	
09 68 16 00-0005	SY	1/2" Thick, Prime Polyurethane Foam Carpet Padding	20.26	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.30*	
		For >400 To 600, Deduct	*-0.45*	
		For >600 To 900, Deduct	*-0.83*	
		For >900 To 1,500, Deduct	*-1.21*	
		For >1,500 To 2,200, Deduct	*-1.77*	
		For >2,200 To 3,500, Deduct	*-2.28*	
		For >3,500, Deduct	*-2.78*	

09 68 16 00-0006 Bonded (Rebond) Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0007	SY	1/4" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.12	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.21*	
		For >600 To 900, Deduct	*-0.43*	
		For >900 To 1,500, Deduct	*-0.64*	
		For >1,500 To 2,200, Deduct	*-0.96*	
		For >2,200 To 3,500, Deduct	*-1.26*	
		For >3,500, Deduct	*-1.56*	
09 68 16 00-0008	SY	5/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.70	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.46*	
		For >900 To 1,500, Deduct	*-0.68*	
		For >1,500 To 2,200, Deduct	*-1.01*	
		For >2,200 To 3,500, Deduct	*-1.33*	
		For >3,500, Deduct	*-1.65*	
09 68 16 00-0009	SY	3/8" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.99	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.32*	
		For >900 To 1,500, Deduct	*-0.49*	
		For >1,500 To 2,200, Deduct	*-0.74*	
		For >2,200 To 3,500, Deduct	*-0.99*	
		For >3,500, Deduct	*-1.24*	
09 68 16 00-0010	SY	3/8" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.31	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.66*	
		For >1,500 To 2,200, Deduct	*-0.97*	
		For >2,200 To 3,500, Deduct	*-1.28*	
		For >3,500, Deduct	*-1.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0011	SY	7/16" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.31	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.66*	
		For >1,500 To 2,200, Deduct	*-0.97*	
		For >2,200 To 3,500, Deduct	*-1.28*	
		For >3,500, Deduct	*-1.59*	
09 68 16 00-0012	SY	7/16" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.31	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.66*	
		For >1,500 To 2,200, Deduct	*-0.97*	
		For >2,200 To 3,500, Deduct	*-1.28*	
		For >3,500, Deduct	*-1.59*	
09 68 16 00-0013	SY	7/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.69	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.17*	
		For >400 To 600, Deduct	*-0.26*	
		For >600 To 900, Deduct	*-0.50*	
		For >900 To 1,500, Deduct	*-0.75*	
		For >1,500 To 2,200, Deduct	*-1.11*	
		For >2,200 To 3,500, Deduct	*-1.45*	
		For >3,500, Deduct	*-1.80*	
09 68 16 00-0014	SY	1/2" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.18	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.21*	
		For >600 To 900, Deduct	*-0.43*	
		For >900 To 1,500, Deduct	*-0.65*	
		For >1,500 To 2,200, Deduct	*-0.96*	
		For >2,200 To 3,500, Deduct	*-1.27*	
		For >3,500, Deduct	*-1.57*	
09 68 16 00-0015	SY	1/2" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.63	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.45*	
		For >900 To 1,500, Deduct	*-0.68*	
		For >1,500 To 2,200, Deduct	*-1.01*	
		For >2,200 To 3,500, Deduct	*-1.32*	
		For >3,500, Deduct	*-1.64*	
09 68 16 00-0016	SY	1/2" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	14.27	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.18*	
		For >400 To 600, Deduct	*-0.27*	
		For >600 To 900, Deduct	*-0.53*	
		For >900 To 1,500, Deduct	*-0.79*	
		For >1,500 To 2,200, Deduct	*-1.17*	
		For >2,200 To 3,500, Deduct	*-1.53*	
		For >3,500, Deduct	*-1.88*	

09 68 16 00-0017 Froth Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0018	SY	0.175" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	20.69	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.31*	
		For >400 To 600, Deduct	*-0.47*	
		For >600 To 900, Deduct	*-0.85*	
		For >900 To 1,500, Deduct	*-1.24*	
		For >1,500 To 2,200, Deduct	*-1.81*	
		For >2,200 To 3,500, Deduct	*-2.33*	
		For >3,500, Deduct	*-2.85*	
09 68 16 00-0019	SY	0.250" Thick, 12 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	23.10	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.36*	
		For >400 To 600, Deduct	*-0.54*	
		For >600 To 900, Deduct	*-0.98*	
		For >900 To 1,500, Deduct	*-1.41*	
		For >1,500 To 2,200, Deduct	*-2.05*	
		For >2,200 To 3,500, Deduct	*-2.63*	
		For >3,500, Deduct	*-3.21*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0020	SY	0.250" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	24.95	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.40*	
		For >400 To 600, Deduct	*-0.59*	
		For >600 To 900, Deduct	*-1.07*	
		For >900 To 1,500, Deduct	*-1.54*	
		For >1,500 To 2,200, Deduct	*-2.24*	
		For >2,200 To 3,500, Deduct	*-2.86*	
		For >3,500, Deduct	*-3.49*	

09 68 16 00-0021 Waffle Rubber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0022	SY	3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding	23.75	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.37*	
		For >400 To 600, Deduct	*-0.56*	
		For >600 To 900, Deduct	*-1.01*	
		For >900 To 1,500, Deduct	*-1.46*	
		For >1,500 To 2,200, Deduct	*-2.12*	
		For >2,200 To 3,500, Deduct	*-2.71*	
		For >3,500, Deduct	*-3.31*	

09 68 16 00-0023 Flat Sponge Rubber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0024	SY	0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding	14.40	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.28*	
		For >600 To 900, Deduct	*-0.54*	
		For >900 To 1,500, Deduct	*-0.80*	
		For >1,500 To 2,200, Deduct	*-1.18*	
		For >2,200 To 3,500, Deduct	*-1.54*	
		For >3,500, Deduct	*-1.90*	
09 68 16 00-0025	SY	0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding	15.39	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.21*	
		For >400 To 600, Deduct	*-0.31*	
		For >600 To 900, Deduct	*-0.59*	
		For >900 To 1,500, Deduct	*-0.87*	
		For >1,500 To 2,200, Deduct	*-1.28*	
		For >2,200 To 3,500, Deduct	*-1.67*	
		For >3,500, Deduct	*-2.05*	
09 68 16 00-0026	SY	0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding	16.12	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.22*	
		For >400 To 600, Deduct	*-0.33*	
		For >600 To 900, Deduct	*-0.63*	
		For >900 To 1,500, Deduct	*-0.92*	
		For >1,500 To 2,200, Deduct	*-1.36*	
		For >2,200 To 3,500, Deduct	*-1.76*	
		For >3,500, Deduct	*-2.16*	
09 68 16 00-0027	SY	0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding	18.41	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.27*	
		For >400 To 600, Deduct	*-0.40*	
		For >600 To 900, Deduct	*-0.74*	
		For >900 To 1,500, Deduct	*-1.08*	
		For >1,500 To 2,200, Deduct	*-1.58*	
		For >2,200 To 3,500, Deduct	*-2.04*	
		For >3,500, Deduct	*-2.50*	
09 68 16 00-0028	SY	0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding	18.60	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.27*	
		For >400 To 600, Deduct	*-0.40*	
		For >600 To 900, Deduct	*-0.75*	
		For >900 To 1,500, Deduct	*-1.10*	
		For >1,500 To 2,200, Deduct	*-1.60*	
		For >2,200 To 3,500, Deduct	*-2.07*	
		For >3,500, Deduct	*-2.53*	

09 68 16 00-0029 Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0030	SY	0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding	7.06	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.04*	
		For >400 To 600, Deduct	*-0.06*	
		For >600 To 900, Deduct	*-0.17*	
		For >900 To 1,500, Deduct	*-0.29*	
		For >1,500 To 2,200, Deduct	*-0.45*	
		For >2,200 To 3,500, Deduct	*-0.63*	
		For >3,500, Deduct	*-0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0031	SY	0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding	8.56	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.07*	
		For >400 To 600, Deduct	*-0.10*	
		For >600 To 900, Deduct	*-0.25*	
		For >900 To 1,500, Deduct	*-0.39*	
		For >1,500 To 2,200, Deduct	*-0.60*	
		For >2,200 To 3,500, Deduct	*-0.81*	
		For >3,500, Deduct	*-1.03*	
09 68 16 00-0032	SY	0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding	7.88	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.05*	
		For >400 To 600, Deduct	*-0.08*	
		For >600 To 900, Deduct	*-0.21*	
		For >900 To 1,500, Deduct	*-0.35*	
		For >1,500 To 2,200, Deduct	*-0.53*	
		For >2,200 To 3,500, Deduct	*-0.73*	
		For >3,500, Deduct	*-0.93*	
09 68 16 00-0033	SY	0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding	8.13	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.09*	
		For >600 To 900, Deduct	*-0.23*	
		For >900 To 1,500, Deduct	*-0.36*	
		For >1,500 To 2,200, Deduct	*-0.56*	
		For >2,200 To 3,500, Deduct	*-0.76*	
		For >3,500, Deduct	*-0.96*	
09 68 16 00-0034	SY	0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding	9.68	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 900, Deduct	*-0.30*	
		For >900 To 1,500, Deduct	*-0.47*	
		For >1,500 To 2,200, Deduct	*-0.71*	
		For >2,200 To 3,500, Deduct	*-0.95*	
		For >3,500, Deduct	*-1.20*	

09 68 16 00-0035 Double Stick Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0036	SY	0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding	10.16	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.33*	
		For >900 To 1,500, Deduct	*-0.51*	
		For >1,500 To 2,200, Deduct	*-0.76*	
		For >2,200 To 3,500, Deduct	*-1.01*	
		For >3,500, Deduct	*-1.27*	
09 68 16 00-0037	SY	0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding	11.36	3.39
		For Up To 15, Add	*1.03*	
		For >15 To 33, Add	*0.51*	
		For >200 To 400, Deduct	*-0.12*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.39*	
		For >900 To 1,500, Deduct	*-0.59*	
		For >1,500 To 2,200, Deduct	*-0.88*	
		For >2,200 To 3,500, Deduct	*-1.16*	
		For >3,500, Deduct	*-1.45*	

09 68 16 00-0038 Indoor/Outdoor Carpet *(09 68 16)*

Note: Includes waterproof glue.

09 68 16 00-0039	SY	Nylon Indoor/Outdoor Carpet	58.12	6.78
09 68 16 00-0040	SY	Ozite Indoor/Outdoor Carpet	44.78	6.78

09 68 16 00-0041 Commercial Broadloom Carpet *(09 68 16)*

Note: Level-loop pile or textured-loop pile broadloom carpet.

09 68 16 00-0042 Non-Patterned Broadloom Carpet *(09 68 16 00-0041)*

09 68 16 00-0043	SY	22 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	57.89	33.24
		For Up To 15, Add	*4.43*	
		For >15 To 33, Add	*2.22*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.12*	
		For >900, Deduct	*-3.17*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0044	SY	24 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	58.25	33.24
		For Up To 15, Add	*4.43*	
		For >15 To 33, Add	*2.22*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.08*	
		For >600 To 900, Deduct	*-2.14*	
		For >900, Deduct	*-3.19*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0045	SY	26 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	58.78	33.24
		For Up To 15, Add	*4.43*	
		For >15 To 33, Add	*2.22*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-2.16*	
		For >900, Deduct	*-3.23*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0046	SY	28 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	62.74	36.01
		For Up To 15, Add	*4.80*	
		For >15 To 33, Add	*2.40*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.30*	
		For >900, Deduct	*-3.43*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0047	SY	30 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	64.83	36.01
		For Up To 15, Add	*4.80*	
		For >15 To 33, Add	*2.40*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.22*	
		For >600 To 900, Deduct	*-2.40*	
		For >900, Deduct	*-3.58*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0048	SY	32 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	66.43	36.01
		For Up To 15, Add	*4.80*	
		For >15 To 33, Add	*2.40*	
		For >200 To 400, Deduct	*-0.85*	
		For >400 To 600, Deduct	*-1.27*	
		For >600 To 900, Deduct	*-2.48*	
		For >900, Deduct	*-3.69*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0049	SY	34 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	72.45	38.77
		For Up To 15, Add	*5.17*	
		For >15 To 33, Add	*2.59*	
		For >200 To 400, Deduct	*-0.93*	
		For >400 To 600, Deduct	*-1.40*	
		For >600 To 900, Deduct	*-2.72*	
		For >900, Deduct	*-4.04*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0050	SY	36 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	74.41	38.77
		For Up To 15, Add	*5.17*	
		For >15 To 33, Add	*2.59*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.82*	
		For >900, Deduct	*-4.17*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0051	SY	38 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	76.60	38.77
		For Up To 15, Add	*5.17*	
		For >15 To 33, Add	*2.59*	
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.93*	
		For >900, Deduct	*-4.33*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0052 Patterned Broadloom Carpet *(09 68 16 00-0041)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 16 00-0053	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	60.65	33.24
		For Up To 15, Add	*4.88*	
		For >15 To 33, Add	*2.44*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-2.18*	
		For >900, Deduct	*-3.27*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0054	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	61.01	33.24
		For Up To 15, Add	*4.88*	
		For >15 To 33, Add	*2.44*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-2.20*	
		For >900, Deduct	*-3.30*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0055	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	61.55	33.24
		For Up To 15, Add	*4.88*	
		For >15 To 33, Add	*2.44*	
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.22*	
		For >900, Deduct	*-3.33*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0056	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	65.72	36.01
		For Up To 15, Add	*5.28*	
		For >15 To 33, Add	*2.64*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.18*	
		For >600 To 900, Deduct	*-2.36*	
		For >900, Deduct	*-3.54*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0057	SY	30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	67.84	36.01
		For Up To 15, Add	*5.28*	
		For >15 To 33, Add	*2.64*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.47*	
		For >900, Deduct	*-3.69*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0058	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	69.47	36.01
		For Up To 15, Add	*5.28*	
		For >15 To 33, Add	*2.64*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.55*	
		For >900, Deduct	*-3.81*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0059	SY	34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	75.74	38.77
		For Up To 15, Add	*5.69*	
		For >15 To 33, Add	*2.84*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.42*	
		For >600 To 900, Deduct	*-2.79*	
		For >900, Deduct	*-4.16*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0060	SY	36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	77.73	38.77
		For Up To 15, Add	*5.69*	
		For >15 To 33, Add	*2.84*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.89*	
		For >900, Deduct	*-4.30*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0061	SY	38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	79.95	38.77
		For Up To 15, Add	*5.69*	
		For >15 To 33, Add	*2.84*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-3.00*	
		For >900, Deduct	*-4.46*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0062	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet (Karastan Studded)	109.77	36.01
		For Up To 15, Add	*5.28*	
		For >15 To 33, Add	*2.64*	
		For >200 To 400, Deduct	*-1.67*	
		For >400 To 600, Deduct	*-2.50*	
		For >600 To 900, Deduct	*-4.56*	
		For >900, Deduct	*-6.63*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0063		Carpet Accessories *(09 68 16)*		
09 68 16 00-0064	LF	Metal Carpet Saddle Strip, Up To 4" Wide	7.76	0.92
09 68 16 00-0065		Removal And Reinstallation Of Carpet And Pad *(09 68 16)*		
		Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0066	SY	Removal And Reinstallation Of Carpet And Pad	46.75	
09 68 16 00-0067		Carpeting Support Functions *(09 68 16)*		
09 68 16 00-0068		Relocate Partitions, Modular Workstations *(09 68 16 00-0067)*		
		Note: Includes disassembly and reassembly of workstation. Excludes electrical disconnection or reconnection.		
09 68 16 00-0069	EA	Relocate Modular Workstation	323.34	
09 68 16 00-0070		Installation Of Owner Provided Broadloom Carpet *(09 68 16)*		
09 68 16 00-0071	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	19.69	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.85*	
		For >15 To 33, Add	*1.93*	
09 68 16 00-0072	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	22.91	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*4.50*	
		For >15 To 33, Add	*2.25*	
09 68 16 00-0073	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	27.40	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*5.40*	
		For >15 To 33, Add	*2.70*	

09 69 Access Flooring *(09 60)*

09 69 13 Rigid-Grid Access Flooring *(09 69)*

09 69 13 00-0001		Panels, No Covering *(09 69 13)*		
09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors	18.55	0.92
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	35.30	0.92
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	32.85	1.01
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	32.85	1.01
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808	32.85	1.01
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280	32.85	1.01
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim	31.04	1.01
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim	31.04	1.01
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T	35.11	1.01
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	35.11	1.01
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moondance 6808	35.11	1.01
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280	35.11	1.01
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	33.30	1.01
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim	33.30	1.01
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	42.31	1.01
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	42.31	1.01
09 69 13 00-0018		Pedestals *(09 69 13)*		
09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly	38.75	4.62
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly	41.01	4.62
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly	42.15	4.62
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly	46.25	4.62
09 69 13 00-0023		Stringers *(09 69 13)*		
09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors	19.25	5.54
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors	33.85	8.32
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors	53.32	13.86
09 69 13 00-0027		Understructure *(09 69 13)*		
09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height	6.66	1.38
09 69 13 00-0029	SF	Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height	7.19	1.38
09 69 13 00-0030	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	8.54	1.38

09 69 53 Access Flooring Accessories *(09 69)*

09 69 53 00-0001		Accessories *(09 69 53)*		
09 69 53 00-0002	SF	Accessories, Ramp Assembly Access And Pedestal Floors	41.34	3.69
09 69 53 00-0003	LF	Accessories, Handrail Access And Pedestal Floors	66.63	6.46
09 69 53 00-0004	LF	Accessories, Fascia Plate Access And Pedestal Floors	25.95	6.46
09 69 53 00-0005	EA	Machine Cutouts	209.09	
09 69 53 00-0006	SF	Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate	69.17	

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 53 00-0007	LF			Tate 2 Or 3 Riser Steps In Raised Floor System Note: Includes baffles, fascia plates trim and cover.	166.96	0.46
09 69 53 00-0008	LF			Tate Handrail	131.72	3.05
09 69 53 00-0009	SF			Hammered Aluminum Finish Fascia Note: Includes trim angles and hardware (8", 12", 18", 24").	47.54	3.05
09 69 53 00-0010	EA			7" x 17" Lexan Floor Mounted Grille Note: Includes carpet trim to flush mount.	215.91	11.55
09 69 53 00-0011	EA			Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	46.72	
09 69 53 00-0012	EA			Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	46.72	
09 69 53 00-0013	EA			Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet	63.96	1.85
09 69 53 00-0014	EA			Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL	78.67	1.85
09 69 53 00-0015	EA			Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim	59.89	1.85
09 69 53 00-0016	EA			Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge	78.66	1.85
09 69 53 00-0017	EA			Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	213.19	11.55
09 69 53 00-0018	EA			Flush Mounted Telephone Box (Grey/Black/Communications) Note: Includes cut hole.	148.47	11.55
09 69 53 00-0019	EA			Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	213.19	11.55
09 69 53 00-0020	EA			Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	111.52	1.85
09 69 53 00-0021	EA			Removal And Reinstallation Of Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor	9.24	

09 69 53 00-0022 Final Cleaning For Computer Room Raised Floor System *(09 69 53)*

Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.

09 69 53 00-0023	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	3.27
09 69 53 00-0024	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	3.40
09 69 53 00-0025	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	3.36

09 70 Wall Finishes *(09)*

09 72 Wall Coverings *(09 70)*

09 72 13 Cork Wall Coverings *(09 72)*

09 72 13 00-0001 Cork Wall Covering *(09 72 13)*

09 72 13 00-0002	SF	1/8" Cork Wall Covering	6.24
09 72 13 00-0003	SF	1/4" Cork Wall Covering	7.60
09 72 13 00-0004	SF	1/2" Cork Wall Covering	8.70
09 72 13 00-0005	SF	3/4" Cork Wall Covering	11.88

09 72 16 Vinyl-Coated Fabric Wall Coverings *(09 72)*

09 72 16 13 Flexible Vinyl Wall Coverings *(09 72 16)*

09 72 16 13-0001 Vinyl Wall Coverings *(09 72 16 13)*

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 16 13-0002	SF	7 To 10 Oz/SY Vinyl Wall Covering	3.19	1.10
		For Owner Furnished Material, Deduct	*-1.47*	
09 72 16 13-0003	SF	11 To 14 Oz/SY Vinyl Wall Covering	3.99	1.10
		For Owner Furnished Material, Deduct	*-2.15*	
09 72 16 13-0004	SF	15 To 19 Oz/SY Vinyl Wall Covering	4.77	1.10
		For Owner Furnished Material, Deduct	*-2.69*	
09 72 16 13-0005	SF	20 To 25 Oz/SY Vinyl Wall Covering	5.41	1.10
		For Owner Furnished Material, Deduct	*-3.10*	
09 72 16 13-0006	SF	26 To 32 Oz/SY Vinyl Wall Covering	6.19	1.10
		For Owner Furnished Material, Deduct	*-3.78*	
09 72 16 13-0007	SF	33 To 38 Oz/SY Vinyl Wall Covering	7.29	1.10
		For Owner Furnished Material, Deduct	*-4.78*	

09 72 19 Textile Wall Coverings *(09 72)*

09 72 19 00-0001 Wall Fabrics *(09 72 19)*

09 72 19 00-0002	SF	Install Owner Furnished Wall Covering Fabrics, Non-Patterned Or Repeating Pattern	2.96
09 72 19 00-0003	SF	Install Owner Furnished Wall Covering Fabrics, Patterned	4.14

09 72 23 Wallpapering *(09 72)*

09 72 23 00-0001 Wallpaper Coverings *(09 72 23)*

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	2.49	1.46
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	4.89	1.87
09 72 23 00-0004	SF	Textured Paintable Paper Installed On Ceiling	4.02	2.77

09 73 Wall Carpeting *(09 70)*

09 73 00 00-0001 Carpet Wall Covering *(09 73)*

09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	61.28	36.91
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	62.54	36.91
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	67.85	39.75
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	71.81	39.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	75.88	39.75
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	77.40	39.75
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	80.42	42.93
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	83.70	42.93

09 74 Flexible Wood Sheets *(09 70)*

09 74 16 Flexible Wood Veneers *(09 74)*

09 74 16 00-0001 Flexible Wood Veneer *(09 74 16)*

09 74 16 00-0002	SF	1/32" Thick, Flexible Maple Wood Veneer	12.64	4.42
09 74 16 00-0003	SF	1/32" Thick, Flexible Oak Wood Veneer	12.88	4.42
09 74 16 00-0004	SF	1/32" Thick, Flexible Mahogany Wood Veneer	12.88	4.42
09 74 16 00-0005	SF	1/32" Thick, Flexible Birch Wood Veneer	13.11	4.42
09 74 16 00-0006	SF	1/32" Thick, Flexible Walnut Wood Veneer	14.31	4.42
09 74 16 00-0007	SF	1/32" Thick, Flexible Bamboo Wood Veneer	15.74	4.42
09 74 16 00-0008	SF	1/32" Thick, Flexible Fir Wood Veneer	17.41	4.42

09 74 16 00-0009 Flexible Exotic Wood Veneer *(09 74 16)*

09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	21.55	4.42

09 78 Interior Wall Paneling *(09 70)*

09 78 13 Metal Interior Wall Paneling *(09 78)*

09 78 13 00-0001 Stainless Steel Wall Base *(09 78 13)*

Note: Grade CS304 with #4 satin polish

09 78 13 00-0002 22 Gauge Stainless Steel Wall Base *(09 78 13 00-0001)*

09 78 13 00-0003	LF	2" Height, 22 Gauge, Stainless Steel Straight Wall Base	13.04	3.05
09 78 13 00-0004	LF	4" Height, 22 Gauge, Stainless Steel Straight Wall Base	19.01	3.36
09 78 13 00-0005	LF	4-3/4" Height, 22 Gauge, Stainless Steel Straight Wall Base	21.09	3.36
09 78 13 00-0006	LF	6" Height, 22 Gauge, Stainless Steel Straight Wall Base	25.23	3.66
09 78 13 00-0007	LF	8" Height, 22 Gauge, Stainless Steel Straight Wall Base	31.47	4.07
09 78 13 00-0008	LF	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	14.58	3.05
09 78 13 00-0009	LF	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	20.47	3.36
09 78 13 00-0010	LF	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	22.53	3.36
09 78 13 00-0011	LF	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	26.48	3.66
09 78 13 00-0012	LF	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	32.74	4.07
09 78 13 00-0013	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	35.43	6.10
09 78 13 00-0014	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	44.67	6.72
09 78 13 00-0015	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	47.80	6.72
09 78 13 00-0016	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	54.01	7.32
09 78 13 00-0017	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	63.77	8.14
09 78 13 00-0018	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	71.15	6.10
09 78 13 00-0019	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	80.50	6.72
09 78 13 00-0020	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	83.52	6.72
09 78 13 00-0021	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	89.84	7.32
09 78 13 00-0022	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	99.59	8.14
09 78 13 00-0023	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	35.43	6.10
09 78 13 00-0024	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	44.67	6.72
09 78 13 00-0025	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	47.80	6.72
09 78 13 00-0026	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	54.01	7.32
09 78 13 00-0027	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	63.77	8.14
09 78 13 00-0028	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	85.52	6.10
09 78 13 00-0029	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	94.76	6.72
09 78 13 00-0030	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	97.89	6.72
09 78 13 00-0031	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	104.11	7.32
09 78 13 00-0032	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	113.86	8.14

09 78 13 00-0033 16 Gauge Stainless Steel Wall Base *(09 78 13 00-0001)*

09 78 13 00-0034	LF	2" Height, 16 Gauge, Stainless Steel Straight Wall Base	21.95	3.05
09 78 13 00-0035	LF	4" Height, 16 Gauge, Stainless Steel Straight Wall Base	36.92	3.36
09 78 13 00-0036	LF	4-3/4" Height, 16 Gauge, Stainless Steel Straight Wall Base	42.25	3.36
09 78 13 00-0037	LF	6" Height, 16 Gauge, Stainless Steel Straight Wall Base	51.81	3.66
09 78 13 00-0038	LF	8" Height, 16 Gauge, Stainless Steel Straight Wall Base	68.75	4.07
09 78 13 00-0039	LF	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	23.39	3.05
09 78 13 00-0040	LF	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	38.32	3.36
09 78 13 00-0041	LF	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	43.27	3.36
09 78 13 00-0042	LF	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	53.25	3.66
09 78 13 00-0043	LF	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	68.37	4.07
09 78 13 00-0044	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	48.76	6.10
09 78 13 00-0045	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	71.44	6.72
09 78 13 00-0046	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	79.35	6.72
09 78 13 00-0047	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	94.11	7.32
09 78 13 00-0048	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	117.30	8.14
09 78 13 00-0049	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	84.55	6.10
09 78 13 00-0050	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	107.22	6.72
09 78 13 00-0051	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	115.28	6.72
09 78 13 00-0052	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	129.93	7.32
09 78 13 00-0053	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	153.02	8.14
09 78 13 00-0054	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	48.76	6.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 13 00-0055	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	71.44	6.72
09 78 13 00-0056	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	79.35	6.72
09 78 13 00-0057	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	94.11	7.32
09 78 13 00-0058	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	117.30	8.14
09 78 13 00-0059	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	98.85	6.10
09 78 13 00-0060	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	121.53	6.72
09 78 13 00-0061	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	129.61	6.72
09 78 13 00-0062	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	144.26	7.32
09 78 13 00-0063	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	167.39	8.14

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) *(09 81 16)*
Note: Mineral wool

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.30	0.40
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.46	0.40
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.70	0.40
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.88	0.40
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.12	0.40
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.34	0.40
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.64	0.40
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.98	0.40

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.25	0.40

09 81 16 00-0013 Sound Attenuation Batts *(09 81 16)*
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	1.89	0.54
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	2.08	0.54
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.23	0.54
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	2.62	0.54
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.74	0.54
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	2.71	0.54
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	2.84	0.54

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets *(09 84 13)*
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.

09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	14.33	2.71
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	21.14	2.71

09 84 13 00-0004 Sound Absorbing Acoustical Wall Panel System *(09 84 13)*
See CSI section 06 11 16 00-0144 for wood furring.

09 84 13 00-0005 Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*
Note: Includes tackable surface, molding and mounting hardware for flush mount.

09 84 13 00-0006	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	15.86	3.05
09 84 13 00-0007	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	14.70	3.05
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	18.34	3.05
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	18.37	3.05
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	20.21	3.05
09 84 13 00-0011	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	20.21	3.05

09 84 13 00-0012 Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*
Note: Includes molding and mounting hardware for flush mount.

09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	18.39	3.05
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	21.39	3.05
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	21.39	3.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	24.38	3.05
09 84 13 00-0017	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	24.38	3.05

09 84 13 00-0018 Sound Absorbing Panel, Eggcrate Style *(09 84 13)*

Note: Ceiling or wall hung back.

09 84 13 00-0019	SF	2" Thick Polyurethane Sound Wave (Eggcrate Style)	14.16	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0020	SF	3" Thick Polyurethane Sound Wave (Eggcrate Style)	18.99	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0021	SF	4" Thick Polyurethane Sound Wave (Eggcrate Style)	25.21	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0022	SF	2" Thick Melamine Sound Wave (Eggcrate Style)	18.88	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*2.05*	
		For Pyramid Style With Hypalon Coating, Add	*4.02*	
09 84 13 00-0023	SF	3" Thick Melamine Sound Wave (Eggcrate Style)	29.52	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0024	SF	4" Thick Melamine Sound Wave (Eggcrate Style)	37.44	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	

09 84 13 00-0025 Sound Deadening Fiberboard *(09 84 13)*

09 84 13 00-0026	SF	1/2" Sound Deadening Fiberboard	1.82	0.67
		For Horizontal Installation Up To 10' High, Add	*0.42*	
		For Horizontal Installation >10' High, Add	*0.62*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.61*	
		For >128 To 320, Add	*0.37*	

09 90 Painting and Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting *(09 90)*

Note: (Sherwin Williams)

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding *(09 91 13)*

09 91 13 00-0002 Paint Exterior Brick Walls *(09 91 13 00-0001)*

09 91 13 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls	0.29	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.19*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0004	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls	1.26	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0005	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.78	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 13 00-0006	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	2.60	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 13 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.41	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	2.11	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0010	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.78	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0011	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.82	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0012	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.71	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	

09 91 13 00-0013 Paint Exterior Concrete Walls *(09 91 13 00-0001)*

09 91 13 00-0014	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.19	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0015	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0016	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0017	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	2.16	
		For Oil Based Paint, Add	*0.13*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0018	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0019	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0020	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	1.64	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0021	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0022	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0023	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.12	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

09 91 13 00-0024 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0024)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0026	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.28	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 91 13 00-0027	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	1.50	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0028	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.72	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	3.01	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.25	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0031	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.37	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0032	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.45	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 13 00-0033	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	0.96	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0034	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.05	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0035	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	2.05	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0024)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0037	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.27	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 13 00-0038	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.37	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0039	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.62	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0040	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	2.97	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.78*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.59*	
09 91 13 00-0041	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	1.82	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0043	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.39	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0044	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.40	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0045	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.56	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0046	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	0.97	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0047	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	1.04	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0048	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.58	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0049	SF	1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.32	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

09 91 13 00-0051	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.19	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
		For Epoxy Paint, Add	*0.02*	
09 91 13 00-0052	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
		For Epoxy Paint, Add	*0.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0053	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.17	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0054	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	2.17	
		For Oil Based Paint, Add	*0.13*	
		For Orange Peel Finish, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.99*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.43*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0055	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0056	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0057	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.61	
		For Oil Based Paint, Add	*0.10*	
		For Orange Peel Finish, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0058	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.70	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0059	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0060	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.22	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Epoxy Paint, Add	*0.20*	

09 91 13 00-0061 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0062 Paint Exterior Galvanized Walls *(09 91 13 00-0061)*

Note: Linseed oil or acrylic latex paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0063	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.34	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0064	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.48	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0065	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.70	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 13 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	1.01	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.16	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	2.18	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0069	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.80	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0070	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	1.03	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0071	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.77	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	

09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0061)*

Note: Alkyd enamel paint.

09 91 13 00-0073	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.34	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0074	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.48	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0075	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.69	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.54*	
09 91 13 00-0076	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.13	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0077	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.27	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0078	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.40	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0079	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.88	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0080	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.03	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0081	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.77	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	

09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0061)*

09 91 13 00-0083	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	15.72	
		For Work >15' To 20' Above Floor, Add	*2.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*3.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*5.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*7.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*10.51*	
		For >100 To 250, Add	*4.97*	
		For >250 To 500, Add	*2.14*	
		For >2,500 To 5,000, Deduct	*-0.79*	
		For >5,000 To 10,000, Deduct	*-1.57*	
		For >10,000 To 20,000, Deduct	*-2.36*	
		For >20,000, Deduct	*-3.14*	
09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	17.49	
		For Work >15' To 20' Above Floor, Add	*2.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*3.77*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*6.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*8.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*11.67*	
		For >100 To 250, Add	*5.52*	
		For >250 To 500, Add	*2.38*	
		For >2,500 To 5,000, Deduct	*-0.87*	
		For >5,000 To 10,000, Deduct	*-1.75*	
		For >10,000 To 20,000, Deduct	*-2.62*	
		For >20,000, Deduct	*-3.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0085	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	32.65	
		For Work >15' To 20' Above Floor, Add	*4.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*7.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*11.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*15.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*21.91*	
		For >100 To 250, Add	*10.36*	
		For >250 To 500, Add	*4.47*	
		For >2,500 To 5,000, Deduct	*-1.63*	
		For >5,000 To 10,000, Deduct	*-3.27*	
		For >10,000 To 20,000, Deduct	*-4.90*	
		For >20,000, Deduct	*-6.53*	

09 91 13 00-0086 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0061)*

09 91 13 00-0087	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls	0.99	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0088	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.30	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0089	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	2.20	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

09 91 13 00-0090 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

09 91 13 00-0091	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.33	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0092	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces	1.81	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 13 00-0093	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	1.99	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0094	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	3.71	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.39*	
		For >100 To 250, Add	*1.14*	
		For >250 To 500, Add	*0.49*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 20,000, Deduct	*-0.56*	
		For >20,000, Deduct	*-0.74*	
09 91 13 00-0095	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0096	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls	1.56	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0097	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	2.89	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.78*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.58*	
09 91 13 00-0098	SF	1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0099	SF	1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0100	SF	2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.26	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

09 91 13 00-0101 Paint Exterior Wood Siding *(09 91 13 00-0001)*

09 91 13 00-0102 Paint Exterior Smooth Wood Siding *(09 91 13 00-0101)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 91 13 00-0103	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.27	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0104	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	1.53	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0105	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.62	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0106	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	2.89	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.58*	
09 91 13 00-0107	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0108	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.32	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0109	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.50	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0110	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.93	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0111	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0112	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.78	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

09 91 13 00-0113 Paint Exterior Rough Wood Siding *(09 91 13 00-0101)*

Note: Includes shingles, shakes or rough sawn siding.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0114	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.05	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0115	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.04	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.97*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 13 00-0116	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	3.76	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.49*	
		For >100 To 250, Add	*1.18*	
		For >250 To 500, Add	*0.51*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 20,000, Deduct	*-0.56*	
		For >20,000, Deduct	*-0.75*	
09 91 13 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.85	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.99	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	3.70	
		For Oil Based Paint, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 20,000, Deduct	*-0.56*	
		For >20,000, Deduct	*-0.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.27	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.42	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	2.69	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.54*	

09 91 13 00-0123 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

09 91 13 00-0124	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0125	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0126	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0127	SF	2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	2.36	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0128	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0129	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0130	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.99	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0131	SF	1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.91	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0132	SF	1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	1.05	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0133	SF	2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	2.07	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

09 91 13 00-0134 Paint Exterior Ceilings *(09 91 13)*

09 91 13 00-0135 Paint Exterior Concrete Ceilings *(09 91 13 00-0134)*

09 91 13 00-0136	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0137	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	1.20	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0138	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	1.29	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0139	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	2.32	
		For Oil Based Paint, Add	*0.13*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 13 00-0140	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0141	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0142	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.91	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0143	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0144	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0145	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	

09 91 13 00-0146 Drywall/Plaster *(09 91 13 00-0134)*

09 91 13 00-0147	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
		For Epoxy Paint, Add	*0.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0148	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.17*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0149	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.30	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0150	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	2.32	
		For Oil Based Paint, Add	*0.13*	
		For Orange Peel Finish, Add	*0.32*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0151	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0152	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.14*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0153	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.90	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.26*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0154	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0155	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0156	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
		For Epoxy Paint, Add	*0.21*	

09 91 13 00-0157 Paint Exterior Wood Ceilings *(09 91 13 00-0134)*

09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0157)*

09 91 13 00-0159	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling	0.26	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 13 00-0160	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling	1.48	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0161	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	1.53	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0162	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	2.79	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.42*	
		For >20,000, Deduct	*-0.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0163	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0164	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0165	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	2.32	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 13 00-0166	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0167	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0168	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.61	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

09 91 13 00-0169 Paint Exterior Rough Wood Ceilings *(09 91 13 00-0157)*

09 91 13 00-0170	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling	2.21	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	2.24	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	3.90	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.60*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.53*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.59*	
		For >20,000, Deduct	*-0.78*	
09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.99	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	2.13	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	3.84	
		For Oil Based Paint, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.46*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 20,000, Deduct	*-0.58*	
		For >20,000, Deduct	*-0.77*	
09 91 13 00-0176	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.41	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0177	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.56	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0178	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	2.85	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.57*	

09 91 13 00-0179 Paint Exterior Metal Ceilings *(09 91 13 00-0134)*

09 91 13 00-0180 Paint Exterior Galvanized Ceilings *(09 91 13 00-0179)*
Note: Linseed oil or acrylic latex paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	1.48	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.62	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	2.97	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.78*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.59*	
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.15	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.28	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0186	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	2.28	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 13 00-0187	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	1.03	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0188	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.18	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0189	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.92	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	

09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0179)*

Note: Alkyd enamel paint.

09 91 13 00-0191	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.48	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0192	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.62	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0193	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.97	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.78*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.59*	
09 91 13 00-0194	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.27	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0195	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.40	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0196	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.53	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.03	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0198	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.03	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0199	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.92	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	

09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0179)*

09 91 13 00-0201	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.14	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0202	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.30	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0203	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	2.39	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

09 91 13 00-0204 Paint Exterior Floors *(09 91 13)*

09 91 13 00-0205 Paint Exterior Concrete Floors *(09 91 13 00-0204)*

09 91 13 00-0206	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks	0.17	
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0207	SF	1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0208	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0209	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.91	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.21*	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0210	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0211	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0212	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.46	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.18*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0213	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0214	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0215	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	1.22	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.20*	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0216	SF	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.34	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0217	SF	1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.51	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.28*	
		For >5,000 To 10,000, Deduct	*-0.55*	
		For >10,000 To 20,000, Deduct	*-0.83*	
		For >20,000, Deduct	*-1.10*	
09 91 13 00-0218	SF	1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.83	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.34*	
		For >5,000 To 10,000, Deduct	*-0.68*	
		For >10,000 To 20,000, Deduct	*-1.02*	
		For >20,000, Deduct	*-1.37*	

09 91 13 00-0219 Paint Exterior Wood Floors *(09 91 13 00-0204)*

09 91 13 00-0220	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.21	
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0221	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0222	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0223	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.36	
		For Oil Based Paint, Add	*0.15*	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0224	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0225	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0226	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.90	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0227	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0228	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0229	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.46	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.48	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks	6.97	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.43*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.70*	
		For >10,000 To 20,000, Deduct	*-1.05*	
		For >20,000, Deduct	*-1.39*	

09 91 13 00-0232 Paint Exterior Doors And Windows *(09 91 13)*

09 91 13 00-0233 Paint Exterior Door Frames *(09 91 13 00-0232)*

09 91 13 00-0234	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.50	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.40*	
09 91 13 00-0235	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.94	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.51*	
09 91 13 00-0236	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	3.29	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.86*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0237 LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.51	
For Painting Either Interior Or Exterior Only, Deduct	*-0.40*	
09 91 13 00-0238 LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.95	
For Painting Either Interior Or Exterior Only, Deduct	*-0.51*	
09 91 13 00-0239 LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	3.30	
For Painting Either Interior Or Exterior Only, Deduct	*-0.87*	
09 91 13 00-0240 Paint Exterior Metal Doors *(09 91 13 00-0232)*		
09 91 13 00-0241 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	65.76	
Note: One face		
For Half Louvered Door, Add	*6.06*	
For Full Louvered Door, Add	*10.10*	
For Electrostatic Painting, Add	*10.38*	
For >5 To 10, Deduct	*-3.29*	
For >10 To 25, Deduct	*-6.58*	
For >25, Deduct	*-9.86*	
09 91 13 00-0242 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	65.76	
Note: One face		
For Half Louvered Door, Add	*6.06*	
For Full Louvered Door, Add	*10.10*	
For Electrostatic Painting, Add	*10.38*	
For >5 To 10, Deduct	*-3.29*	
For >10 To 25, Deduct	*-6.58*	
For >25, Deduct	*-9.86*	
09 91 13 00-0243 EA 2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	118.63	
Note: One face		
For Half Louvered Door, Add	*10.24*	
For Full Louvered Door, Add	*17.06*	
For Electrostatic Painting, Add	*19.42*	
For >5 To 10, Deduct	*-5.93*	
For >10 To 25, Deduct	*-11.86*	
For >25, Deduct	*-17.79*	
09 91 13 00-0244 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	118.01	
Note: Both faces		
For Half Louvered Door, Add	*10.87*	
For Full Louvered Door, Add	*18.12*	
For Electrostatic Painting, Add	*18.63*	
For >5 To 10, Deduct	*-5.90*	
For >10 To 25, Deduct	*-11.80*	
For >25, Deduct	*-17.70*	
09 91 13 00-0245 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	118.01	
Note: Both faces		
For Half Louvered Door, Add	*10.87*	
For Full Louvered Door, Add	*18.12*	
For Electrostatic Painting, Add	*18.63*	
For >5 To 10, Deduct	*-5.90*	
For >10 To 25, Deduct	*-11.80*	
For >25, Deduct	*-17.70*	
09 91 13 00-0246 EA 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	213.68	
Note: Both faces		
For Half Louvered Door, Add	*18.39*	
For Full Louvered Door, Add	*30.64*	
For Electrostatic Painting, Add	*35.03*	
For >5 To 10, Deduct	*-10.68*	
For >10 To 25, Deduct	*-21.37*	
For >25, Deduct	*-32.05*	
09 91 13 00-0247 EA 1 Coat Primer, Sprayed, Paint Exterior Metal Door	57.11	
Note: One face		
For Half Louvered Door, Add	*4.38*	
For Full Louvered Door, Add	*7.31*	
For Electrostatic Painting, Add	*9.89*	
For >5 To 10, Deduct	*-2.86*	
For >10 To 25, Deduct	*-5.71*	
For >25, Deduct	*-8.57*	
09 91 13 00-0248 EA 1 Coat Paint, Sprayed, Paint Exterior Metal Door	57.11	
Note: One face		
For Half Louvered Door, Add	*4.38*	
For Full Louvered Door, Add	*7.31*	
For Electrostatic Painting, Add	*9.89*	
For >5 To 10, Deduct	*-2.86*	
For >10 To 25, Deduct	*-5.71*	
For >25, Deduct	*-8.57*	
09 91 13 00-0249 EA 2 Coats Paint, Sprayed, Paint Exterior Metal Door	104.77	
Note: One face		
For Half Louvered Door, Add	*7.40*	
For Full Louvered Door, Add	*12.34*	
For Electrostatic Painting, Add	*18.79*	
For >5 To 10, Deduct	*-5.24*	
For >10 To 25, Deduct	*-10.48*	
For >25, Deduct	*-15.72*	
09 91 13 00-0250 EA 1 Coat Primer, Sprayed, Paint Exterior Metal Door	102.52	
Note: Both faces		
For Half Louvered Door, Add	*7.86*	
For Full Louvered Door, Add	*13.10*	
For Electrostatic Painting, Add	*17.77*	
For >5 To 10, Deduct	*-5.13*	
For >10 To 25, Deduct	*-10.25*	
For >25, Deduct	*-15.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door Note: Both faces	102.52	
		For Half Louvered Door, Add	*7.86*	
		For Full Louvered Door, Add	*13.10*	
		For Electrostatic Painting, Add	*17.77*	
		For >5 To 10, Deduct	*-5.13*	
		For >10 To 25, Deduct	*-10.25*	
		For >25, Deduct	*-15.38*	
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door Note: Both faces	188.90	
		For Half Louvered Door, Add	*13.30*	
		For Full Louvered Door, Add	*22.17*	
		For Electrostatic Painting, Add	*33.92*	
		For >5 To 10, Deduct	*-9.45*	
		For >10 To 25, Deduct	*-18.89*	
		For >25, Deduct	*-28.34*	
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.19	
		For Electrostatic Painting, Add	*0.38*	
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.35	
		For Electrostatic Painting, Add	*0.42*	
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	6.88	
		For Electrostatic Painting, Add	*0.85*	
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.17	
		For Electrostatic Painting, Add	*0.38*	
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.33	
		For Electrostatic Painting, Add	*0.42*	
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	6.47	
		For Electrostatic Painting, Add	*0.82*	

09 91 13 00-0259 Paint Exterior Wood Doors *(09 91 13 00-0232)*

09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Note: One face	62.28	
		For Half Louvered Door, Add	*6.06*	
		For Full Louvered Door, Add	*10.10*	
		For >5 To 10, Deduct	*-3.11*	
		For >10 To 25, Deduct	*-6.23*	
		For >25, Deduct	*-9.34*	
09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Note: One face	62.28	
		For Half Louvered Door, Add	*6.06*	
		For Full Louvered Door, Add	*10.10*	
		For >5 To 10, Deduct	*-3.11*	
		For >10 To 25, Deduct	*-6.23*	
		For >25, Deduct	*-9.34*	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Note: One face	111.72	
		For Half Louvered Door, Add	*10.24*	
		For Full Louvered Door, Add	*17.06*	
		For >5 To 10, Deduct	*-5.59*	
		For >10 To 25, Deduct	*-11.17*	
		For >25, Deduct	*-16.76*	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Note: Both faces	111.76	
		For Half Louvered Door, Add	*10.87*	
		For Full Louvered Door, Add	*18.12*	
		For >5 To 10, Deduct	*-5.59*	
		For >10 To 25, Deduct	*-11.18*	
		For >25, Deduct	*-16.76*	
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Note: Both faces	111.76	
		For Half Louvered Door, Add	*10.87*	
		For Full Louvered Door, Add	*18.12*	
		For >5 To 10, Deduct	*-5.59*	
		For >10 To 25, Deduct	*-11.18*	
		For >25, Deduct	*-16.76*	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door Note: Both faces	201.18	
		For Half Louvered Door, Add	*18.39*	
		For Full Louvered Door, Add	*30.64*	
		For >5 To 10, Deduct	*-10.06*	
		For >10 To 25, Deduct	*-20.12*	
		For >25, Deduct	*-30.18*	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door Note: One face	53.29	
		For Half Louvered Door, Add	*4.38*	
		For Full Louvered Door, Add	*7.31*	
		For >5 To 10, Deduct	*-2.66*	
		For >10 To 25, Deduct	*-5.33*	
		For >25, Deduct	*-7.99*	
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door Note: One face	53.29	
		For Half Louvered Door, Add	*4.38*	
		For Full Louvered Door, Add	*7.31*	
		For >5 To 10, Deduct	*-2.66*	
		For >10 To 25, Deduct	*-5.33*	
		For >25, Deduct	*-7.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door Note: One face	97.19	
		For Half Louvered Door, Add	*7.41*	
		For Full Louvered Door, Add	*12.35*	
		For >5 To 10, Deduct	*-4.86*	
		For >10 To 25, Deduct	*-9.72*	
		For >25, Deduct	*-14.58*	
09 91 13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door Note: Both faces	95.65	
		For Half Louvered Door, Add	*7.86*	
		For Full Louvered Door, Add	*13.10*	
		For >5 To 10, Deduct	*-4.78*	
		For >10 To 25, Deduct	*-9.57*	
		For >25, Deduct	*-14.35*	
09 91 13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door Note: Both faces	95.65	
		For Half Louvered Door, Add	*7.86*	
		For Full Louvered Door, Add	*13.10*	
		For >5 To 10, Deduct	*-4.78*	
		For >10 To 25, Deduct	*-9.57*	
		For >25, Deduct	*-14.35*	
09 91 13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door Note: Both faces	175.15	
		For Half Louvered Door, Add	*13.30*	
		For Full Louvered Door, Add	*22.17*	
		For >5 To 10, Deduct	*-8.76*	
		For >10 To 25, Deduct	*-17.52*	
		For >25, Deduct	*-26.27*	
09 91 13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.15	
09 91 13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.27	
09 91 13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	6.73	
09 91 13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.11	
09 91 13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.25	
09 91 13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	6.31	

09 91 13 00-0278 Paint Exterior Metal Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	107.40	
		For Electrostatic Painting, Add	*13.26*	
		For >5 To 10, Deduct	*-5.37*	
		For >10 To 25, Deduct	*-10.74*	
		For >25, Deduct	*-16.11*	
09 91 13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	130.51	
		For Electrostatic Painting, Add	*16.95*	
		For >5 To 10, Deduct	*-6.53*	
		For >10 To 25, Deduct	*-13.05*	
		For >25, Deduct	*-19.58*	
09 91 13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	176.29	
		For Electrostatic Painting, Add	*23.17*	
		For >5 To 10, Deduct	*-8.81*	
		For >10 To 25, Deduct	*-17.63*	
		For >25, Deduct	*-26.44*	
09 91 13 00-0282	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	198.54	
		For Electrostatic Painting, Add	*26.12*	
		For >5 To 10, Deduct	*-9.93*	
		For >10 To 25, Deduct	*-19.85*	
		For >25, Deduct	*-29.78*	
09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	220.12	
		For Electrostatic Painting, Add	*28.90*	
		For >5 To 10, Deduct	*-11.01*	
		For >10 To 25, Deduct	*-22.01*	
		For >25, Deduct	*-33.02*	
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	6.99	
		For Electrostatic Painting, Add	*0.92*	

09 91 13 00-0285 Paint Exterior Wood Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over primer.

09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	105.09	
		For >5 To 10, Deduct	*-5.25*	
		For >10 To 25, Deduct	*-10.51*	
		For >25, Deduct	*-15.76*	
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	126.94	
		For >5 To 10, Deduct	*-6.35*	
		For >10 To 25, Deduct	*-12.69*	
		For >25, Deduct	*-19.04*	
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	171.22	
		For >5 To 10, Deduct	*-8.56*	
		For >10 To 25, Deduct	*-17.12*	
		For >25, Deduct	*-25.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	192.82	
		For >5 To 10, Deduct	*-9.64*	
		For >10 To 25, Deduct	*-19.28*	
		For >25, Deduct	*-28.92*	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	213.82	
		For >5 To 10, Deduct	*-10.69*	
		For >10 To 25, Deduct	*-21.38*	
		For >25, Deduct	*-32.07*	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	7.14	

09 91 13 00-0292 Paint Exterior Security Screens *(09 91 13 00-0232)*

09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.82	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.86	
		For Electrostatic Painting, Add	*0.23*	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen	3.07	
		For Electrostatic Painting, Add	*0.38*	

09 91 13 00-0296 Paint Exterior Window Guards *(09 91 13 00-0232)*

09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.82	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.86	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	3.07	

09 91 13 00-0300 Paint Exterior Window Trim *(09 91 13 00-0232)*

09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.68	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.68	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.71	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.90	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.90	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	3.17	

09 91 13 00-0307 Paint Exterior Roofing And Trim *(09 91 13)*

09 91 13 00-0308 Paint Stain Or Seal Wood Roofing *(09 91 13 00-0307)*

09 91 13 00-0309	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake	2.41	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 91 13 00-0310	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake	4.44	
		For Up To 100, Add	*2.22*	
		For >100 To 250, Add	*1.09*	
		For >250 To 500, Add	*0.48*	

09 91 13 00-0311 Paint Metal Roofing *(09 91 13 00-0307)*

09 91 13 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing	1.05	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0313	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing	1.83	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	

09 91 13 00-0314 Paint Fascia Board *(09 91 13 00-0307)*

09 91 13 00-0315	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board	0.99	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0316	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board	0.99	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0317	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board	1.72	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	

09 91 13 00-0318 Paint Soffit *(09 91 13 00-0307)*

09 91 13 00-0319	SF	1 Coat Primer, Brush/Roller Work, Paint Soffit	1.17	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0320	SF	1 Coat Paint, Brush/Roller Work, Paint Soffit	1.17	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0321	SF	2 Coats Paint, Brush/Roller Work, Paint Soffit	2.00	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 91 13 00-0322		**Acrylic Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)*		
09 91 13 00-0323	SF	2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252)	3.33	
09 91 13 00-0324		**Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)*		
09 91 13 00-0325	SF	1 Coat, White Elastomeric Lquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585) Note: Per Coat	3.94	
09 91 13 00-0326		**Paint Metal Surfaces** *(09 91 13)* Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0327		**Paint Structural Steel** *(09 91 13 00-0326)*		
09 91 13 00-0328		**Paint Structural Steel, Brush Work** *(09 91 13 00-0327)*		
09 91 13 00-0329	SF	1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	1.26	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0330	SF	1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	1.11	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0331		**Paint Structural Steel, Spray Work** *(09 91 13 00-0327)*		
09 91 13 00-0332	SF	1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel	0.86	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0333	SF	1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.73	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0334		**Paint Metal Decking, Beams And Bar Joist** *(09 91 13 00-0327)*		
09 91 13 00-0335	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking	0.98	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0336	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.98	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0337	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.64	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0338	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.54	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0339	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.50	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0340	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.84	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For Epoxy Paint, Add	*0.39*	
09 91 13 00-0341	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.20	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.17*	
09 91 13 00-0342	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	1.20	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0343	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	2.05	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For Epoxy Paint, Add	*0.32*	

09 91 13 00-0344 Paint Steel Pipes *(09 91 13 00-0326)*

Note: Includes pipe, tubes, rails, conduit, etc.

09 91 13 00-0345	LF	1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	2.11	
		For Electrostatic Painting, Add	*0.27*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0346	LF	1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.36	
		For Electrostatic Painting, Add	*0.30*	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0347	LF	1 Coat Primer, 4" Diameter, Paint Steel Pipes	2.66	
		For Electrostatic Painting, Add	*0.34*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0348	LF	1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	3.33	
		For Electrostatic Painting, Add	*0.42*	
		For Epoxy Paint, Add	*0.34*	
09 91 13 00-0349	LF	1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	4.21	
		For Electrostatic Painting, Add	*0.53*	
		For Epoxy Paint, Add	*0.43*	
09 91 13 00-0350	LF	1 Coat Paint, 1/2"To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	2.11	
		For Electrostatic Painting, Add	*0.27*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0351	LF	1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.36	
		For Electrostatic Painting, Add	*0.30*	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0352	LF	1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.66	
		For Electrostatic Painting, Add	*0.34*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0353	LF	1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes	3.33	
		For Electrostatic Painting, Add	*0.42*	
		For Epoxy Paint, Add	*0.34*	
09 91 13 00-0354	LF	1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes	4.21	
		For Electrostatic Painting, Add	*0.53*	
		For Epoxy Paint, Add	*0.43*	
09 91 13 00-0355	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	4.28	
		For Electrostatic Painting, Add	*0.57*	
		For Epoxy Paint, Add	*0.50*	
09 91 13 00-0356	LF	2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	4.73	
		For Electrostatic Painting, Add	*0.60*	
		For Epoxy Paint, Add	*0.49*	
09 91 13 00-0357	LF	2 Coats Paint, 4" Diameter, Paint Steel Pipes	5.11	
		For Electrostatic Painting, Add	*0.66*	
		For Epoxy Paint, Add	*0.54*	
09 91 13 00-0358	LF	2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	6.46	
		For Electrostatic Painting, Add	*0.82*	
		For Epoxy Paint, Add	*0.68*	
09 91 13 00-0359	LF	2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	7.95	
		For Electrostatic Painting, Add	*1.02*	
		For Epoxy Paint, Add	*0.85*	
09 91 13 00-0360	EA	1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	10.41	
		For Electrostatic Painting, Add	*1.10*	
		For Epoxy Paint, Add	*0.63*	

09 91 13 00-0361 Paint Metal Louvers *(09 91 13 00-0326)*

09 91 13 00-0362	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.74	
		For Electrostatic Painting, Add	*0.21*	
09 91 13 00-0363	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.77	
		For Electrostatic Painting, Add	*0.21*	
09 91 13 00-0364	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	3.62	
		For Electrostatic Painting, Add	*0.44*	

09 91 13 00-0365 Paint Ladders *(09 91 13 00-0326)*

09 91 13 00-0366	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	4.75	
		For Epoxy Paint, Add	*0.29*	
09 91 13 00-0367	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	5.31	
		For Epoxy Paint, Add	*0.32*	
09 91 13 00-0368	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	10.46	
		For Epoxy Paint, Add	*0.60*	

09 91 13 00-0369 Paint Handrails *(09 91 13 00-0326)*

09 91 13 00-0370	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.89	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0371	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.10	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0372	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	3.45	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0373	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.46	
		For Epoxy Paint, Add	*0.43*	
09 91 13 00-0374	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.79	
		For Epoxy Paint, Add	*0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0375	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	6.49	
		For Epoxy Paint, Add	*0.71*	
09 91 13 00-0376	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.73	
		For Epoxy Paint, Add	*0.44*	
09 91 13 00-0377	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	4.08	
		For Epoxy Paint, Add	*0.46*	
09 91 13 00-0378	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	6.88	
		For Epoxy Paint, Add	*0.73*	
09 91 13 00-0379	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	2.08	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0380	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	2.29	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0381	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	4.18	
		For Epoxy Paint, Add	*0.47*	
09 91 13 00-0382		**Paint Grating** *(09 91 13 00-0326)*		
09 91 13 00-0383	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames	3.47	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0384	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	3.53	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0385	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	5.29	
		For Epoxy Paint, Add	*0.41*	
09 91 13 00-0386		**Equipment And Tanks** *(09 91 13 00-0326)*		
09 91 13 00-0387		**Paint Valves** *(09 91 13 00-0386)*		
		Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0388	EA	Prime And Paint 4" And Smaller Valve	35.96	
09 91 13 00-0389	EA	Prime And Paint 6" To 10" Valve	44.09	
09 91 13 00-0390	EA	Prime And Paint 12" To 18" Valve	57.99	
09 91 13 00-0391	EA	Prime And Paint 20" To 24" Valve	77.66	
09 91 13 00-0392	EA	Prime And Paint >24" To 36" Valve	105.46	
09 91 13 00-0393	EA	Prime And Paint >36" To 48" Valve	143.79	
09 91 13 00-0394		**Paint Pumps And Motors** *(09 91 13 00-0386)*		
		Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0395	EA	Prime And Paint Pump Under 1 HP	110.23	
09 91 13 00-0396	EA	Prime And Paint Pump, 1 HP To 5 HP	145.17	
09 91 13 00-0397	EA	Prime And Paint Pump, >5 HP To 10 HP	174.37	
09 91 13 00-0398	EA	Prime And Paint Pump, >10 HP To 20 HP	195.41	
09 91 13 00-0399	EA	Prime And Paint Pump, >20 HP To 30 HP	227.98	
09 91 13 00-0400	EA	Prime And Paint Pump, >30 HP To 50 HP	260.54	
09 91 13 00-0401	EA	Prime And Paint Pump, >50 HP To 75 HP	287.36	
09 91 13 00-0402	EA	Prime And Paint Pump, >75 HP	325.68	
09 91 13 00-0403		**Paint Storage Tanks** *(09 91 13 00-0386)*		
09 91 13 00-0404	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.39	
09 91 13 00-0405	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.83	
09 91 13 00-0406	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	3.46	
09 91 13 00-0407	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.87	
09 91 13 00-0408	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	2.37	
09 91 13 00-0409	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	4.53	
09 91 13 00-0410	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.38	
09 91 13 00-0411	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.70	
09 91 13 00-0412	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	3.29	
09 91 13 00-0413	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.58	
09 91 13 00-0414	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	2.08	
09 91 13 00-0415	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	4.03	
09 91 13 00-0416		**Other Site Work Painting** *(09 91 13)*		
09 91 13 00-0417		**Paint Fencing** *(09 91 13 00-0416)*		
		Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0418	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	1.06	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 91 13 00-0419	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.98	
		For Epoxy Paint, Add	*0.23*	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.25*	
09 91 13 00-0420	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.87	
		For Epoxy Paint, Add	*0.12*	
		For Electrostatic Painting, Add	*0.13*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0421	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.64	
		For Epoxy Paint, Add	*0.24*	
		For Electrostatic Painting, Add	*0.25*	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 91 13 00-0422	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.97	
		For Epoxy Paint, Add	*0.13*	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0423	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.91	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0424	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.65	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0425	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	1.25	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 91 13 00-0426	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence	1.25	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 91 13 00-0427	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.89	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0428	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences	0.93	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0429	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences	1.67	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
09 91 13 00-0430	SF	1 Coat Paint, Sprayed, Paint Wood Fences	0.68	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0431	SF	2 Coats Paint, Sprayed, Paint Wood Fences	1.29	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	

09 91 13 00-0432 Paint Shutters Or Blinds, Solid Panel *(09 91 13 00-0416)*

09 91 13 00-0433	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel	3.76
09 91 13 00-0434	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	3.77
09 91 13 00-0435	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	6.71
09 91 13 00-0436	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.15
09 91 13 00-0437	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.17
09 91 13 00-0438	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	4.02

09 91 13 00-0439 Paint Shutters Or Blinds, Louvered Panel *(09 91 13 00-0416)*

09 91 13 00-0440	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel	4.64
09 91 13 00-0441	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	4.65
09 91 13 00-0442	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	8.28
09 91 13 00-0443	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.60
09 91 13 00-0444	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.62
09 91 13 00-0445	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	4.84

09 91 13 00-0446 Paint Flagpoles *(09 91 13 00-0416)*

09 91 13 00-0447	EA	1 Coat Paint, 20' High, Paint Steel Flagpole	232.79
09 91 13 00-0448	EA	1 Coat Paint, 30' High, Paint Steel Flagpole	314.11
09 91 13 00-0449	EA	1 Coat Paint, 40' High, Paint Steel Flagpole	395.48
09 91 13 00-0450	EA	1 Coat Paint, 50' High, Paint Steel Flagpole	476.86
09 91 13 00-0451	EA	1 Coat Paint, 70' High, Paint Steel Flagpole	628.86
09 91 13 00-0452	EA	1 Coat Paint, 80' High, Paint Steel Flagpole	708.88
09 91 13 00-0453	EA	1 Coat Paint, 90' High, Paint Steel Flagpole	788.93

09 91 13 00-0454 Paint Lattice Or Trellis *(09 91 13 00-0416)*

09 91 13 00-0455	SF	1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	1.68	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0456	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	3.12	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.42*	

09 91 13 00-0457 Paint Exterior Stairs *(09 91 13)*

09 91 13 00-0458 Paint Exterior Concrete Stairs *(09 91 13 00-0457)*

09 91 13 00-0459	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	20.67
09 91 13 00-0460	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	20.67
09 91 13 00-0461	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	26.85
09 91 13 00-0462	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	44.81
09 91 13 00-0463	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	41.35

09 91 13 00-0464 Paint Exterior Metal Stairs *(09 91 13 00-0457)*

09 91 13 00-0465	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	10.86
		For Oil Based Paint, Add	*0.59*
09 91 13 00-0466	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	10.86
		For Oil Based Paint, Add	*0.59*
09 91 13 00-0467	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	21.72
		For Oil Based Paint, Add	*1.18*

09 91 13 00-0468 Paint Exterior Wood Stairs *(09 91 13 00-0457)*

09 91 13 00-0469	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	10.73
09 91 13 00-0470	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	10.73
09 91 13 00-0471	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	16.91
09 91 13 00-0472	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	34.87
09 91 13 00-0473	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	21.46

09 91 13 00-0474 Paint Exterior Stair Nosing *(09 91 13 00-0457)*

09 91 13 00-0475	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip	2.06

09 91 13 00-0476 Paint Exterior Trim *(09 91 13)*

09 91 13 00-0477 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0476)*

09 91 13 00-0478	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	1.41
		For Work >15' To 20' Above Floor, Add	*0.18*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.29*
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	*0.47*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.64*
		Note: Applied only to work area above 40'.	
09 91 13 00-0479	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.54
		For Work >15' To 20' Above Floor, Add	*0.20*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.33*
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	*0.52*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.72*
		Note: Applied only to work area above 40'.	
09 91 13 00-0480	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	2.78
		For Work >15' To 20' Above Floor, Add	*0.35*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.58*
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	*0.92*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*1.27*
		Note: Applied only to work area above 40'.	
09 91 13 00-0481	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.28
		For Work >15' To 20' Above Floor, Add	*0.16*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.26*
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	*0.42*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.57*
		Note: Applied only to work area above 40'.	
09 91 13 00-0482	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.39
		For Work >15' To 20' Above Floor, Add	*0.17*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.29*
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	*0.46*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.63*
		Note: Applied only to work area above 40'.	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0483	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	2.49	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0484	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	2.22	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.05*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0485	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	2.83	
		For Work >15' To 20' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.52*	
		Note: Applied only to work area above 40'.		

09 91 13 00-0486 Paint Exterior Wood Trim *(09 91 13 00-0476)*

09 91 13 00-0487	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim	2.08	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0488	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim	2.25	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0489	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim	4.10	
		For Oil Based Paint, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.52*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.52*	
		For >2,500 To 5,000, Deduct	*-0.21*	
		For >5,000 To 10,000, Deduct	*-0.41*	
		For >10,000 To 20,000, Deduct	*-0.62*	
		For >20,000, Deduct	*-0.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0490	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim	1.66	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0491	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.84	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0492	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	3.43	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.02*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.51*	
		For >20,000, Deduct	*-0.69*	
09 91 13 00-0493	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.27	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0494	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Trim	1.42	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0495	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Trim	2.69	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.54*	

09 91 13 00-0496 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0497	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.69	
		For Epoxy Paint, Add	*0.20*	
		For Electrostatic Painting, Add	*0.23*	
09 91 13 00-0498	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.56	
		For Epoxy Paint, Add	*0.15*	
		For Electrostatic Painting, Add	*0.19*	
09 91 13 00-0499	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	3.16	
		For Epoxy Paint, Add	*0.32*	
		For Electrostatic Painting, Add	*0.40*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0326 for additional interior materials.

09 91 23 00-0001 Paint Interior Walls *(09 91 23)*

09 91 23 00-0002 Paint Interior Brick Walls *(09 91 23 00-0001)*

09 91 23 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls	0.25	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0004	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0005	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls	1.49	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0006	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls	2.66	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.70*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	
09 91 23 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	2.23	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0010	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0011	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0012	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.62	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.33	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0014	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	1.09	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0015	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	0.89	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

09 91 23 00-0016 Paint Interior Concrete Walls *(09 91 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0017	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	1.10	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0018	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	1.20	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0019	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Walls	2.24	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0020	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0021	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0022	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.84	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0023	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.69	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0024	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0025	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.26	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0026	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls	1.14	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0027	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.92	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0028	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.73	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0029	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.20	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0030 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0030)*

09 91 23 00-0032	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.54	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0033	SF	1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls	1.51	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0034	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.76	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0035	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	3.14	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.63*	
09 91 23 00-0036	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.23	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.37	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.58	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0039	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	0.92	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0040	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.13	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0041	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	2.06	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0030)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0043	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.28	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 91 23 00-0044	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	1.42	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0045	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.68	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0046	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	3.04	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.99*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.94*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.61*	
09 91 23 00-0047	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.86	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0048	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0049	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.41	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0050	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.52	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0051	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.57	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0052	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0053	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0054	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls	1.79	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0055	SF	1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.28	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0030)*

09 91 23 00-0057	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	1.46	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	1.23	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	1.01	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 23 00-0060 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)*

09 91 23 00-0061 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0060)*

09 91 23 00-0062	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.20	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0063	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0064	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.17*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0065	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	2.23	
		For Oil Based Paint, Add	*0.13*	
		For Orange Peel Finish, Add	*0.32*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.91	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.84	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.26*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0069	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0070	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0071	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	1.26	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 23 00-0072 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0060)*

09 91 23 00-0073	SF	2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.11
		For Work >15' To 20' Above Floor, Add	*0.16*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.27*
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	*0.43*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.59*
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	*0.96*
		For >100 To 250, Add	*0.48*
		For >250 To 500, Add	*0.21*
		For >2,500 To 5,000, Deduct	*-0.11*
		For >5,000 To 10,000, Deduct	*-0.21*
		For >10,000 To 20,000, Deduct	*-0.32*
		For >20,000, Deduct	*-0.42*
09 91 23 00-0074	SF	3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.29
		For Work >15' To 20' Above Floor, Add	*0.16*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.27*
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	*0.43*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.59*
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	*0.99*
		For >100 To 250, Add	*0.50*
		For >250 To 500, Add	*0.22*
		For >2,500 To 5,000, Deduct	*-0.11*
		For >5,000 To 10,000, Deduct	*-0.23*
		For >10,000 To 20,000, Deduct	*-0.34*
		For >20,000, Deduct	*-0.46*
09 91 23 00-0075	SF	4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.46
		For Work >15' To 20' Above Floor, Add	*0.16*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.27*
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	*0.43*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.59*
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	*1.01*
		For >100 To 250, Add	*0.51*
		For >250 To 500, Add	*0.23*
		For >2,500 To 5,000, Deduct	*-0.12*
		For >5,000 To 10,000, Deduct	*-0.25*
		For >10,000 To 20,000, Deduct	*-0.37*
		For >20,000, Deduct	*-0.49*

09 91 23 00-0076 Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0060)*

09 91 23 00-0077	SF	1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.88
		For Work >15' To 20' Above Floor, Add	*0.09*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.15*
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	*0.24*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.33*
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	*0.49*
		For >100 To 250, Add	*0.24*
		For >250 To 500, Add	*0.10*
		For >2,500 To 5,000, Deduct	*-0.04*
		For >5,000 To 10,000, Deduct	*-0.09*
		For >10,000 To 20,000, Deduct	*-0.13*
		For >20,000, Deduct	*-0.18*
09 91 23 00-0078	SF	1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.04
		For Work >15' To 20' Above Floor, Add	*0.11*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.19*
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	*0.30*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.42*
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	*0.61*
		For >100 To 250, Add	*0.29*
		For >250 To 500, Add	*0.13*
		For >2,500 To 5,000, Deduct	*-0.05*
		For >5,000 To 10,000, Deduct	*-0.10*
		For >10,000 To 20,000, Deduct	*-0.16*
		For >20,000, Deduct	*-0.21*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0079	SF	2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.62	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0080	SF	Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	1.84	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

09 91 23 00-0081 Paint Interior Metal Walls *(09 91 23 00-0001)*

09 91 23 00-0082 Paint Interior Galvanized Walls *(09 91 23 00-0081)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0083	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	1.45	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0084	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.60	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0085	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	2.91	
		For Electrostatic Painting, Add	*0.40*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0086	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls	1.09	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0087	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall	1.25	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0088	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	2.34	
		For Electrostatic Painting, Add	*0.33*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0089	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.85	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0090	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	1.11	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0091	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.87	
		For Electrostatic Painting, Add	*0.32*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

09 91 23 00-0092 Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0081)*

Note: Alkyd enamel paint.

09 91 23 00-0093	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.45	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0094	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.60	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0095	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	2.90	
		For Electrostatic Painting, Add	*0.40*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.58*	
09 91 23 00-0096	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.21	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0097	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.36	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0098	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.56	
		For Electrostatic Painting, Add	*0.39*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0099	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.94	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0100	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.11	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0101	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.87	
		For Electrostatic Painting, Add	*0.32*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

09 91 23 00-0102 Paint Interior Corrugated Metal Walls *(09 91 23 00-0081)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0103	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	1.05	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0104	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.39	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0105	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.33	
		For Electrostatic Painting, Add	*0.38*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

09 91 23 00-0106 Paint Interior Stucco Walls *(09 91 23 00-0001)*

09 91 23 00-0107	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces	0.35	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	
09 91 23 00-0108	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	1.91	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0109	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	2.10	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0110	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	3.70	
		For Oil Based Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.48*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.51*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 20,000, Deduct	*-0.56*	
		For >20,000, Deduct	*-0.74*	
09 91 23 00-0111	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.43	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0112	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.63	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0113	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	2.98	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.94*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0114	SF	1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0115	SF	1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0116	SF	2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces	2.25	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

09 91 23 00-0117 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0118 Interior Wood Walls *(09 91 23 00-0117)*

09 91 23 00-0119	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.24	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0120	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces	1.42	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0121	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	2.61	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.75*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 23 00-0122	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0123	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0124	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls	2.02	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0125	SF	1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0126	SF	1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0127	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls	1.56	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

09 91 23 00-0128 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0129 Paint Interior Acoustical Ceilings *(09 91 23 00-0128)*

Note: Includes grid.

09 91 23 00-0130	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.36	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.19*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	
09 91 23 00-0131	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	1.25	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0132	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0133	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	2.45	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 23 00-0134	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0135	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0136	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.98	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0137	SF	1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0138	SF	1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0139	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	

09 91 23 00-0140 Paint Interior Concrete Ceilings *(09 91 23 00-0128)*

09 91 23 00-0141	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.23	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0142	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.25	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0143	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0144	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling	2.44	
		For Oil Based Paint, Add	*0.14*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.66*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 23 00-0145	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0146	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0147	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	1.99	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0148	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0149	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0150	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.36	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0151	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.29	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0152	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.99	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0153	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	0.86	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

09 91 23 00-0154 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0128)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0155	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling	0.23	
		For Epoxy Paint, Add	*0.02*	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0156	SF	1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling	1.25	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0157	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.38	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0158	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	2.45	
		For Epoxy Paint, Add	*0.21*	
		For Oil Based Paint, Add	*0.14*	
		For Orange Peel Finish, Add	*0.35*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0159	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.08	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0160	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.07	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0161	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.98	
		For Epoxy Paint, Add	*0.18*	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.28*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0162	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.88	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0163	SF	1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.85	
		For Epoxy Paint, Add	*0.09*	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0164	SF	2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.37	
		For Epoxy Paint, Add	*0.17*	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	

09 91 23 00-0165 Paint Interior Metal Ceilings *(09 91 23 00-0128)*

09 91 23 00-0166 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0165)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0167	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling	1.60	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0168	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling	1.77	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0169	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling	3.22	
		For Electrostatic Painting, Add	*0.43*	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.99*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.97*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.48*	
		For >20,000, Deduct	*-0.64*	
09 91 23 00-0170	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.24	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0171	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.39	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0172	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	2.56	
		For Electrostatic Painting, Add	*0.35*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0173	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	1.11	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0174	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling	1.27	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0175	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling	2.03	
		For Electrostatic Painting, Add	*0.33*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	

09 91 23 00-0176 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0165)*

Note: Alkyd enamel paint.

09 91 23 00-0177	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.60	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0178	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.77	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0179	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	3.22	
		For Electrostatic Painting, Add	*0.43*	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.99*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.97*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.48*	
		For >20,000, Deduct	*-0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0180	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.36	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0181	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.51	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0182	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.86	
		For Electrostatic Painting, Add	*0.42*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.57*	
09 91 23 00-0183	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.11	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0184	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.27	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0185	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.03	
		For Electrostatic Painting, Add	*0.33*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	

09 91 23 00-0186 Paint Interior Ceiling Tile Grid *(09 91 23 00-0165)*

Note: Grid only.

09 91 23 00-0187	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.34	
		For Electrostatic Painting, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	
09 91 23 00-0188	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.69	
		For Electrostatic Painting, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

09 91 23 00-0189 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0165)*

09 91 23 00-0190	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling	1.47	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0191	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	1.68	
		For Electrostatic Painting, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0192	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.72	
		For Electrostatic Painting, Add	*0.44*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	

09 91 23 00-0193 Paint Interior Wood Ceilings *(09 91 23 00-0128)*

09 91 23 00-0194 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0193)*

09 91 23 00-0195	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.26	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0196	SF	1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.53	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0197	SF	1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling	1.61	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0198	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling	2.90	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.99*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.58*	
09 91 23 00-0199	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0200	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.32	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0201	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	2.49	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0202	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0203	SF	1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0204	SF	2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.59	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

09 91 23 00-0205 Paint Interior Wood Beams *(09 91 23 00-0128)*

09 91 23 00-0206	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.69	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0207	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams	1.75	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0208	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams	3.18	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.13*	
		For >100 To 250, Add	*1.01*	
		For >250 To 500, Add	*0.44*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.48*	
		For >20,000, Deduct	*-0.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.34	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.32	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	2.49	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0212	SF	1 Coat Primer, Sprayed, Paint Interior Wood Beams	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0213	SF	1 Coat Paint, Sprayed, Paint Interior Wood Beams	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0214	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.74	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

09 91 23 00-0215 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0216 Paint Interior Concrete Floors And Decks *(09 91 23 00-0215)*

09 91 23 00-0217	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks	0.17	
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0218	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0219	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0220	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.09	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.19*	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0221	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0222	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0223	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.49	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.16*	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0224	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0225	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0226	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	1.20	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.17*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0227	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.99	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0228	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.97	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0229	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.71	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.57	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	7.07	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.45*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.71*	
		For >10,000 To 20,000, Deduct	*-1.06*	
		For >20,000, Deduct	*-1.41*	

09 91 23 00-0232 Paint Interior Wood Floors And Decks *(09 91 23 00-0215)*

09 91 23 00-0233	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.21	
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0234	SF	1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	1.17	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0235	SF	1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0236	SF	2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks	2.42	
		For Oil Based Paint, Add	*0.14*	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 23 00-0237	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0238	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0239	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	2.03	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0240	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0241	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0242	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks	1.28	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0243	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks	2.57	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0244	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks	7.07	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.45*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.71*	
		For >10,000 To 20,000, Deduct	*-1.06*	
		For >20,000, Deduct	*-1.41*	

09 91 23 00-0245 Paint Interior Doors And Windows *(09 91 23)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 23 00-0246 Paint Interior Door Frames *(09 91 23 00-0245)*

09 91 23 00-0247	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.46	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.38*	
09 91 23 00-0248	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.90	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.49*	
09 91 23 00-0249	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	3.22	
		For Oil Based Paint, Add	*0.17*	
		For Painting One Face Of Frame Only, Deduct	*-0.84*	
09 91 23 00-0250	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.51	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.40*	
09 91 23 00-0251	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.95	
		For Oil Based Paint, Add	*0.11*	
		For Painting One Face Of Frame Only, Deduct	*-0.51*	
09 91 23 00-0252	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	3.30	
		For Oil Based Paint, Add	*0.18*	
		For Painting One Face Of Frame Only, Deduct	*-0.87*	

09 91 23 00-0253 Paint Interior Metal Doors *(09 91 23 00-0245)*

09 91 23 00-0254	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	70.24	
		For Electrostatic Painting, Add	*10.83*	
		For Half Louvered Door, Add	*6.73*	
		For Full Louvered Door, Add	*11.22*	
		For Oil Based Paint, Add	*4.78*	
		For >5 To 10, Deduct	*-3.51*	
		For >10 To 25, Deduct	*-7.02*	
		For >25, Deduct	*-10.54*	
09 91 23 00-0255	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	70.24	
		For Electrostatic Painting, Add	*10.83*	
		For Half Louvered Door, Add	*6.73*	
		For Full Louvered Door, Add	*11.22*	
		For Oil Based Paint, Add	*4.78*	
		For >5 To 10, Deduct	*-3.51*	
		For >10 To 25, Deduct	*-7.02*	
		For >25, Deduct	*-10.54*	
09 91 23 00-0256	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	126.21	
		For Electrostatic Painting, Add	*20.18*	
		For Half Louvered Door, Add	*11.37*	
		For Full Louvered Door, Add	*18.96*	
		For Oil Based Paint, Add	*8.83*	
		For >5 To 10, Deduct	*-6.31*	
		For >10 To 25, Deduct	*-12.62*	
		For >25, Deduct	*-18.93*	
09 91 23 00-0257	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	126.04	
		For Electrostatic Painting, Add	*19.44*	
		For Half Louvered Door, Add	*12.07*	
		For Full Louvered Door, Add	*20.12*	
		For Oil Based Paint, Add	*8.58*	
		For >5 To 10, Deduct	*-6.30*	
		For >10 To 25, Deduct	*-12.60*	
		For >25, Deduct	*-18.91*	
09 91 23 00-0258	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	126.06	
		For Electrostatic Painting, Add	*19.44*	
		For Half Louvered Door, Add	*12.08*	
		For Full Louvered Door, Add	*20.13*	
		For Oil Based Paint, Add	*8.58*	
		For >5 To 10, Deduct	*-6.30*	
		For >10 To 25, Deduct	*-12.61*	
		For >25, Deduct	*-18.91*	
09 91 23 00-0259	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	227.31	
		For Electrostatic Painting, Add	*36.40*	
		For Half Louvered Door, Add	*20.43*	
		For Full Louvered Door, Add	*34.05*	
		For Oil Based Paint, Add	*15.92*	
		For >5 To 10, Deduct	*-11.37*	
		For >10 To 25, Deduct	*-22.73*	
		For >25, Deduct	*-34.10*	
09 91 23 00-0260	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door	57.11	
		For Electrostatic Painting, Add	*9.89*	
		For Half Louvered Door, Add	*4.38*	
		For Full Louvered Door, Add	*7.31*	
		For Oil Based Paint, Add	*4.25*	
		For >5 To 10, Deduct	*-2.86*	
		For >10 To 25, Deduct	*-5.71*	
		For >25, Deduct	*-8.57*	
09 91 23 00-0261	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	57.11	
		For Electrostatic Painting, Add	*9.89*	
		For Half Louvered Door, Add	*4.38*	
		For Full Louvered Door, Add	*7.31*	
		For Oil Based Paint, Add	*4.25*	
		For >5 To 10, Deduct	*-2.86*	
		For >10 To 25, Deduct	*-5.71*	
		For >25, Deduct	*-8.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0262	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door	104.77	
		For Electrostatic Painting, Add	*18.79*	
		For Half Louvered Door, Add	*7.40*	
		For Full Louvered Door, Add	*12.34*	
		For Oil Based Paint, Add	*8.01*	
		For >5 To 10, Deduct	*-5.24*	
		For >10 To 25, Deduct	*-10.48*	
		For >25, Deduct	*-15.72*	
09 91 23 00-0263	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door	102.52	
		For Electrostatic Painting, Add	*17.77*	
		For Half Louvered Door, Add	*7.86*	
		For Full Louvered Door, Add	*13.10*	
		For Oil Based Paint, Add	*7.63*	
		For >5 To 10, Deduct	*-5.13*	
		For >10 To 25, Deduct	*-10.25*	
		For >25, Deduct	*-15.38*	
09 91 23 00-0264	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door	102.52	
		For Electrostatic Painting, Add	*17.77*	
		For Half Louvered Door, Add	*7.86*	
		For Full Louvered Door, Add	*13.10*	
		For Oil Based Paint, Add	*7.63*	
		For >5 To 10, Deduct	*-5.13*	
		For >10 To 25, Deduct	*-10.25*	
		For >25, Deduct	*-15.38*	
09 91 23 00-0265	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door	188.90	
		For Electrostatic Painting, Add	*33.92*	
		For Half Louvered Door, Add	*13.30*	
		For Full Louvered Door, Add	*22.17*	
		For Oil Based Paint, Add	*14.46*	
		For >5 To 10, Deduct	*-9.45*	
		For >10 To 25, Deduct	*-18.89*	
		For >25, Deduct	*-28.34*	

09 91 23 00-0266 Paint Interior Wood Doors *(09 91 23 00-0245)*

09 91 23 00-0267	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door	61.36	
		For Oil Based Paint, Add	*3.89*	
		For Half Louvered Door, Add	*6.73*	
		For Full Louvered Door, Add	*11.22*	
		For >5 To 10, Deduct	*-3.07*	
		For >10 To 25, Deduct	*-6.14*	
		For >25, Deduct	*-9.20*	
09 91 23 00-0268	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	61.36	
		For Oil Based Paint, Add	*3.89*	
		For Half Louvered Door, Add	*6.73*	
		For Full Louvered Door, Add	*11.22*	
		For >5 To 10, Deduct	*-3.07*	
		For >10 To 25, Deduct	*-6.14*	
		For >25, Deduct	*-9.20*	
09 91 23 00-0269	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	108.57	
		For Oil Based Paint, Add	*7.07*	
		For Half Louvered Door, Add	*11.38*	
		For Full Louvered Door, Add	*18.96*	
		For >5 To 10, Deduct	*-5.43*	
		For >10 To 25, Deduct	*-10.86*	
		For >25, Deduct	*-16.29*	
09 91 23 00-0270	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door	110.10	
		For Oil Based Paint, Add	*6.98*	
		For Half Louvered Door, Add	*12.08*	
		For Full Louvered Door, Add	*20.13*	
		For >5 To 10, Deduct	*-5.51*	
		For >10 To 25, Deduct	*-11.01*	
		For >25, Deduct	*-16.52*	
09 91 23 00-0271	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	110.10	
		For Oil Based Paint, Add	*6.98*	
		For Half Louvered Door, Add	*12.08*	
		For Full Louvered Door, Add	*20.13*	
		For >5 To 10, Deduct	*-5.51*	
		For >10 To 25, Deduct	*-11.01*	
		For >25, Deduct	*-16.52*	
09 91 23 00-0272	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	195.39	
		For Oil Based Paint, Add	*12.73*	
		For Half Louvered Door, Add	*20.43*	
		For Full Louvered Door, Add	*34.05*	
		For >5 To 10, Deduct	*-9.77*	
		For >10 To 25, Deduct	*-19.54*	
		For >25, Deduct	*-29.31*	
09 91 23 00-0273	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door	47.34	
		For Oil Based Paint, Add	*3.27*	
		For Half Louvered Door, Add	*4.38*	
		For Full Louvered Door, Add	*7.31*	
		For >5 To 10, Deduct	*-2.37*	
		For >10 To 25, Deduct	*-4.73*	
		For >25, Deduct	*-7.10*	
09 91 23 00-0274	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door	47.34	
		For Oil Based Paint, Add	*3.27*	
		For Half Louvered Door, Add	*4.38*	
		For Full Louvered Door, Add	*7.31*	
		For >5 To 10, Deduct	*-2.37*	
		For >10 To 25, Deduct	*-4.73*	
		For >25, Deduct	*-7.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0275	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door	85.38	
		For Oil Based Paint, Add	*6.07*	
		For Half Louvered Door, Add	*7.41*	
		For Full Louvered Door, Add	*12.35*	
		For >5 To 10, Deduct	*-4.27*	
		For >10 To 25, Deduct	*-8.54*	
		For >25, Deduct	*-12.81*	
09 91 23 00-0276	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	84.96	
		For Oil Based Paint, Add	*5.88*	
		For Half Louvered Door, Add	*7.86*	
		For Full Louvered Door, Add	*13.10*	
		For >5 To 10, Deduct	*-4.25*	
		For >10 To 25, Deduct	*-8.50*	
		For >25, Deduct	*-12.74*	
09 91 23 00-0277	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	84.96	
		For Oil Based Paint, Add	*5.88*	
		For Half Louvered Door, Add	*7.86*	
		For Full Louvered Door, Add	*13.10*	
		For >5 To 10, Deduct	*-4.25*	
		For >10 To 25, Deduct	*-8.50*	
		For >25, Deduct	*-12.74*	
09 91 23 00-0278	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	153.78	
		For Oil Based Paint, Add	*10.94*	
		For Half Louvered Door, Add	*13.30*	
		For Full Louvered Door, Add	*22.17*	
		For >5 To 10, Deduct	*-7.69*	
		For >10 To 25, Deduct	*-15.38*	
		For >25, Deduct	*-23.07*	

09 91 23 00-0279 Paint Interior Metal Windows *(09 91 23 00-0245)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0280	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	117.47	
		For Oil Based Paint, Add	*6.72*	
		For Electrostatic Painting, Add	*14.27*	
		For >5 To 10, Deduct	*-5.87*	
		For >10 To 25, Deduct	*-11.75*	
		For >25, Deduct	*-17.62*	
09 91 23 00-0281	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	142.12	
		For Oil Based Paint, Add	*8.41*	
		For Electrostatic Painting, Add	*18.12*	
		For >5 To 10, Deduct	*-7.11*	
		For >10 To 25, Deduct	*-14.21*	
		For >25, Deduct	*-21.32*	
09 91 23 00-0282	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	191.78	
		For Oil Based Paint, Add	*11.44*	
		For Electrostatic Painting, Add	*24.72*	
		For >5 To 10, Deduct	*-9.59*	
		For >10 To 25, Deduct	*-19.18*	
		For >25, Deduct	*-28.77*	
09 91 23 00-0283	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	215.97	
		For Oil Based Paint, Add	*12.89*	
		For Electrostatic Painting, Add	*27.86*	
		For >5 To 10, Deduct	*-10.80*	
		For >10 To 25, Deduct	*-21.60*	
		For >25, Deduct	*-32.40*	
09 91 23 00-0284	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	239.47	
		For Oil Based Paint, Add	*14.27*	
		For Electrostatic Painting, Add	*30.84*	
		For >5 To 10, Deduct	*-11.97*	
		For >10 To 25, Deduct	*-23.95*	
		For >25, Deduct	*-35.92*	
09 91 23 00-0285	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	7.60	
		For Oil Based Paint, Add	*0.45*	
		For Electrostatic Painting, Add	*0.98*	

09 91 23 00-0286 Paint Interior Wood Windows *(09 91 23 00-0245)*

Note: Two finish coats paint over primer.

09 91 23 00-0287	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	111.58	
		For Oil Based Paint, Add	*6.13*	
		For >5 To 10, Deduct	*-5.58*	
		For >10 To 25, Deduct	*-11.16*	
		For >25, Deduct	*-16.74*	
09 91 23 00-0288	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	133.01	
		For Oil Based Paint, Add	*7.50*	
		For >5 To 10, Deduct	*-6.65*	
		For >10 To 25, Deduct	*-13.30*	
		For >25, Deduct	*-19.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0289	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	184.01	
		For Oil Based Paint, Add	*10.40*	
		For >5 To 10, Deduct	*-9.20*	
		For >10 To 25, Deduct	*-18.40*	
		For >25, Deduct	*-27.60*	
09 91 23 00-0290	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	207.17	
		For Oil Based Paint, Add	*11.72*	
		For >5 To 10, Deduct	*-10.36*	
		For >10 To 25, Deduct	*-20.72*	
		For >25, Deduct	*-31.08*	
09 91 23 00-0291	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	223.38	
		For Oil Based Paint, Add	*12.66*	
		For >5 To 10, Deduct	*-11.17*	
		For >10 To 25, Deduct	*-22.34*	
		For >25, Deduct	*-33.51*	
09 91 23 00-0292	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	7.48	
		For Oil Based Paint, Add	*0.42*	

09 91 23 00-0293 Paint Interior Security Screens *(09 91 23 00-0245)*

09 91 23 00-0294	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.82	
		For Oil Based Paint, Add	*0.11*	
		For Electrostatic Painting, Add	*0.24*	
09 91 23 00-0295	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	1.86	
		For Oil Based Paint, Add	*0.11*	
		For Electrostatic Painting, Add	*0.23*	
09 91 23 00-0296	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	3.07	
		For Oil Based Paint, Add	*0.18*	
		For Electrostatic Painting, Add	*0.38*	

09 91 23 00-0297 Paint Interior Window Guards *(09 91 23 00-0245)*

09 91 23 00-0298	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.82	
		For Oil Based Paint, Add	*0.11*	
09 91 23 00-0299	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	1.86	
		For Oil Based Paint, Add	*0.11*	
09 91 23 00-0300	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	3.07	
		For Oil Based Paint, Add	*0.18*	

09 91 23 00-0301 Paint Interior Window Trim *(09 91 23 00-0245)*

09 91 23 00-0302	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.71	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.47*	
09 91 23 00-0303	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.71	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.47*	
09 91 23 00-0304	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	3.74	
		For Oil Based Paint, Add	*0.22*	
		For Painting One Face Of Frame Only, Deduct	*-1.03*	
09 91 23 00-0305	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.96	
		For Painting One Face Of Frame Only, Deduct	*-0.57*	
09 91 23 00-0306	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.96	
		For Painting One Face Of Frame Only, Deduct	*-0.57*	
09 91 23 00-0307	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	4.23	
		For Painting One Face Of Frame Only, Deduct	*-1.23*	

09 91 23 00-0308 Paint Interior Cabinets And Casework *(09 91 23)*

09 91 23 00-0309 Paint Interior Wood Cabinets And Casework *(09 91 23 00-0308)*

09 91 23 00-0310	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.64	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0311	SF	1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	2.24	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0312	SF	1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	3.56	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.53*	

09 91 23 00-0313 Paint Exposed Metal Lockers And Cabinets *(09 91 23 00-0308)*

09 91 23 00-0314	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	1.69	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0315	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	1.71	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0316	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	3.16	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.47*	

09 91 23 00-0317 Paint Interior Stairs *(09 91 23)*

09 91 23 00-0318 Paint Interior Concrete Stairs *(09 91 23 00-0317)*

Note: Includes the riser and tread.

09 91 23 00-0319	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	22.69	
09 91 23 00-0320	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	22.69	
09 91 23 00-0321	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) Note: Excludes riser.	18.02	
09 91 23 00-0322	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) Note: Excludes riser.	35.98	
09 91 23 00-0323	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	45.37	

09 91 23 00-0324 Paint Interior Metal Stairs *(09 91 23 00-0317)*

Note: Includes the riser and tread.

09 91 23 00-0325	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	12.44	
09 91 23 00-0326	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	11.97	
09 91 23 00-0327	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	23.93	

09 91 23 00-0328 Paint Interior Wood Stairs *(09 91 23 00-0317)*

Note: Includes the riser and tread.

09 91 23 00-0329	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	11.65	
09 91 23 00-0330	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	11.65	
09 91 23 00-0331	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) Note: Excludes riser.	12.49	
09 91 23 00-0332	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) Note: Excludes riser.	30.45	
09 91 23 00-0333	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	23.27	

09 91 23 00-0334 Paint Interior Stair Nosing *(09 91 23 00-0317)*

09 91 23 00-0335	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	2.01	

09 91 23 00-0336 Paint Interior Trim *(09 91 23)*

09 91 23 00-0337 Paint Interior Metal Trim *(09 91 23 00-0336)*

09 91 23 00-0338	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.54	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.20*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20' to 30'.*	*0.33*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.52*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*0.72*	
09 91 23 00-0339	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.68	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.22*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20' to 30'.*	*0.36*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.58*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*0.79*	
09 91 23 00-0340	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	3.03	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.38*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20' to 30'.*	*0.64*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*1.02*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*1.40*	
09 91 23 00-0341	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.28	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.16*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20' to 30'.*	*0.26*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.42*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0342	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.40	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0343	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	2.52	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0344 Paint Interior Wood Trim *(09 91 23 00-0336)*

09 91 23 00-0345	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	1.00	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.05*	
09 91 23 00-0346	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	1.11	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.06*	
09 91 23 00-0347	LF	2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	2.33	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.22*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.12*	
09 91 23 00-0348	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim	3.07	
		For Work >15' To 20' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.52*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.17*	
09 91 23 00-0349	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim	3.41	
		For Work >15' To 20' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.68*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.19*	
09 91 23 00-0350	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim	6.17	
		For Work >15' To 20' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*2.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*3.01*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.34*	
09 91 23 00-0351	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	2.51	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.21*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0352	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.80	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.35*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.16*	
09 91 23 00-0353	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	5.04	
		For Work >15' To 20' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*2.39*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.29*	

09 91 23 00-0354 Paint Interior Metal Surfaces *(09 91 23)*

09 91 23 00-0355 Paint Interior Miscellaneous Metal Surfaces *(09 91 23 00-0354)*

09 91 23 00-0356	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.07	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0357	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.26	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0358	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	2.26	
		For Electrostatic Painting, Add	*0.29*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0359	SF	1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.31	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0360	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.31	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0361	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	2.13	
		For Electrostatic Painting, Add	*0.29*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0362	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal	0.21	
		For Electrostatic Painting, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0363 Paint Additives *(09 91 23)*

09 91 23 00-0364	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0365	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.08	
		For Class "A" Fire Rating, Add	*0.08*	

09 91 23 00-0366 Hand Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, signs, etc.

09 91 23 00-0367	EA	Up To 1" High, Hand Paint, Per Letter/Number	3.12	
09 91 23 00-0368	EA	1" To 2" High, Hand Paint, Per Letter/Number	3.64	
09 91 23 00-0369	EA	2" To 3" High, Hand Paint, Per Letter/Number	5.52	
09 91 23 00-0370	EA	3" To 4" High, Hand Paint, Per Letter/Number	6.75	
09 91 23 00-0371	EA	4" To 6" High, Hand Paint, Per Letter/Number	9.32	
09 91 23 00-0372	EA	6" To 12" High, Hand Paint, Per Letter/Number	11.81	
09 91 23 00-0373	EA	Over 12" High, Hand Paint, Per Letter/Number	13.85	

09 91 23 00-0374 Glove/Mitt Application *(09 91 23)*

09 91 23 00-0375 Conduit/Pipe *(09 91 23 00-0374)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0376	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	59.02	
		For Work >15' To 20' Above Floor, Add	*8.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*13.94*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*30.66*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0377	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	93.37	
		For Work >15' To 20' Above Floor, Add	*10.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*16.72*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*26.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*36.78*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0378	CSF	Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	72.91	
		For Work >15' To 20' Above Floor, Add	*7.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*12.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*26.98*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0379	CSF	Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	59.13	
		For Work >15' To 20' Above Floor, Add	*5.52*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*9.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*14.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*20.23*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0380	CSF	Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	109.62	
		For Work >15' To 20' Above Floor, Add	*8.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*13.94*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*30.66*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0381	CSF	Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	100.70	
		For Work >15' To 20' Above Floor, Add	*7.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*12.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*26.98*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0382 Ductwork *(09 91 23 00-0374)*

09 91 23 00-0383	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	59.02	
		For Work >15' To 20' Above Floor, Add	*8.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*13.94*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*30.66*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0384	CSF	Metal Primer Ductwork With Glove/Mitt	88.66	
		For Work >15' To 20' Above Floor, Add	*8.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*13.94*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*30.66*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0385	CSF	Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt	66.25	
		For Work >15' To 20' Above Floor, Add	*6.69*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*11.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*17.84*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*24.52*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0386	CSF	Epoxy Paint, First Coat Ductwork With Glove/Mitt	105.75	
		For Work >15' To 20' Above Floor, Add	*8.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*13.94*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*30.66*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0387	CSF	Epoxy Paint, Second Coat Ductwork With Glove/Mitt	91.47	
		For Work >15' To 20' Above Floor, Add	*6.69*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*11.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*17.84*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*24.52*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0388 Stencil Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

09 91 23 00-0389	EA	Up To 1" High, Stencil Painting, Per Letter/Number	2.54	
		For >200 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.41*	
		For >2,000, Deduct	*-0.51*	
09 91 23 00-0390	EA	1" To 2" High, Stencil Painting, Per Letter/Number	2.94	
		For >200 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 2,000, Deduct	*-0.47*	
		For >2,000, Deduct	*-0.59*	
09 91 23 00-0391	EA	2" To 3" High, Stencil Painting, Per Letter/Number	4.97	
		For >200 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000 To 2,000, Deduct	*-0.80*	
		For >2,000, Deduct	*-0.99*	
09 91 23 00-0392	EA	3" To 4" High, Stencil Painting, Per Letter/Number	6.11	
		For >200 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000 To 2,000, Deduct	*-0.98*	
		For >2,000, Deduct	*-1.22*	
09 91 23 00-0393	EA	4" To 6" High, Stencil Painting, Per Letter/Number	8.41	
		For >200 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-1.35*	
		For >2,000, Deduct	*-1.68*	
09 91 23 00-0394	EA	6" To 12" High, Stencil Painting, Per Letter/Number	11.17	
		For >200 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000 To 2,000, Deduct	*-1.79*	
		For >2,000, Deduct	*-2.23*	
09 91 23 00-0395	EA	Over 12" High, Stencil Painting, Per Letter/Number	13.19	
		For >200 To 500, Deduct	*-1.06*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000, Deduct	*-2.64*	

09 91 23 00-0396 Logo Painting *(09 91 23)*

09 91 23 00-0397	SF	Simple Design, Paint Logo	48.63
09 91 23 00-0398	SF	Complex Design, Paint Logo	57.13

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	62.70
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	39.95
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	50.66
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	143.49
09 91 33 00-0006	EA	Cement Base Primer, 25 Lb. Sack	41.78
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	64.41
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	51.70
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	39.95
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	36.30
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	63.97
09 91 33 00-0012	GAL	Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	53.27
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	53.27
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	60.06
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	39.17
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	107.32
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	41.78
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	33.42
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	86.43
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	53.89
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	60.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0022		**Paint** *(09 91 33)*		
09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	29.24	
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	145.01	
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	15.67	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	90.61	
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	47.52	
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	20.81	
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	31.56	
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	86.07	
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	84.97	
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	69.36	
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	63.58	
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	60.34	
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	71.10	
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	63.12	
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	89.85	
09 91 33 00-0038	GAL	Cold Galvanizing Paint	363.46	
09 91 33 00-0039	GAL	High Heat Paint	151.93	
09 91 33 00-0040	GAL	Heat Resistant Paint	101.29	
09 91 33 00-0041	GAL	Zinc Chromate Paint	91.64	
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	36.17	
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	101.29	
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	63.12	
09 91 33 00-0045	GAL	Alkyd Latex, Black	75.16	
09 91 33 00-0046	GAL	Alkyd Latex, White	68.33	
09 91 33 00-0047	GAL	Alkyd Latex, Colors	82.40	
09 91 33 00-0048	QT	Wrought Iron Paint, Black	92.45	
09 91 33 00-0049	GAL	Vinyl Paint	79.90	
09 91 33 00-0050	GAL	Silicone Alkyd	97.13	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	98.70	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	123.77	
09 91 33 00-0053	GAL	Chlorinated Rubber	90.87	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	94.00	
09 91 33 00-0055	GAL	Coal Tar Epoxy	67.37	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	84.08	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	109.67	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	75.20	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	47.78	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	58.88	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	97.92	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	33.16	
09 91 33 00-0063	GAL	Linseed Oil	28.98	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	47.52	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	53.53	
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	48.96	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	39.34	
09 91 33 00-0068		**Stain, Varnish** *(09 91 33)*		
09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	27.16	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	50.66	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	45.17	
09 91 33 00-0072	GAL	Varnish, Clear	47.42	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	34.44	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	30.78	
09 91 33 00-0075	GAL	Polyurethane	54.04	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	47.66	
09 91 33 00-0077	GAL	Shellac, Clear	62.53	
09 91 33 00-0078	GAL	Acetone	20.63	
09 91 33 00-0079	GAL	Paint Thinner	5.09	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	20.89	
09 91 33 00-0081	GAL	Turpentine	28.72	
09 91 33 00-0082	GAL	Wood Filler Paste	49.09	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	39.17	
09 91 33 00-0084	GAL	Water Based Alkyd Urethane (Sherwin Williams B53W01153)	106.51	

09 91 43 Surface Preparation *(09 91)*

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 93 Staining and Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing *(09 93)*

09 93 13 53 Exterior Finishing *(09 93 13)*

09 93 13 53-0001 Stain Sealer *(09 93 13 53)*

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF	Stain Sealer, Brush Work	1.21
		For Ceiling Work, Add	*0.16*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 20,000, Deduct	*-0.07*
		For >20,000, Deduct	*-0.10*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	0.97	
		For Ceiling Work, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.08*	
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.37	
		For Ceiling Work, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.04*	

09 93 23 Interior Staining and Finishing *(09 93)*

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining *(09 93 23)*

09 93 23 13-0001 Stain Wood Trim *(09 93 23 13)*

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	1.49	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.21*	
		For >4,000, Deduct	*-0.07*	
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	2.21	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >4,000, Deduct	*-0.11*	

09 93 23 13-0004 Stain Wood Floor *(09 93 23 13)*

09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.70	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >4,000, Deduct	*-0.04*	
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.52	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >4,000, Deduct	*-0.03*	

09 93 23 13-0007 Stain Wood Door And Window *(09 93 23 13)*

09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	71.53	
		For Up To 4, Add	*52.20*	
		For >4 To 10, Add	*24.43*	
		For >10 To 20, Add	*10.49*	
		For >160, Deduct	*-3.58*	
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	50.91	
		For Up To 4, Add	*36.06*	
		For >4 To 10, Add	*16.93*	
		For >10 To 20, Add	*7.28*	
		For >160, Deduct	*-2.55*	

09 93 23 13-0010 Stain Wood Cabinet *(09 93 23 13)*

09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.79	

09 93 23 53 Interior Finishing *(09 93 23)*

09 93 23 53-0001 Concrete Finishes *(09 93 23 53)*

09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	1.06	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >4,000, Deduct	*-0.05*	

09 93 23 53-0003 Wood Trim Finishes *(09 93 23 53)*

09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.80	
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >4,000, Deduct	*-0.09*	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	1.19	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >4,000, Deduct	*-0.06*	

09 93 23 53-0006 Wood Floor Finishes *(09 93 23 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	3.82	
		For Up To 100, Add	*2.70*	
		For >100 To 250, Add	*1.27*	
		For >250 To 500, Add	*0.55*	
		For >4,000, Deduct	*-0.19*	
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.91	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >4,000, Deduct	*-0.05*	
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	4.34	
		For Up To 100, Add	*3.05*	
		For >100 To 250, Add	*1.43*	
		For >250 To 500, Add	*0.62*	
		For >4,000, Deduct	*-0.22*	
09 93 23 53-0010		**Wood Door And Window Finishes** *(09 93 23 53)* See CSI section 08 14 16 00-0627 for factory finish.		
09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	51.66	
		For Up To 4, Add	*37.61*	
		For >4 To 10, Add	*17.61*	
		For >10 To 20, Add	*7.56*	
		For >160, Deduct	*-2.58*	
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	156.65	
		For Up To 4, Add	*112.24*	
		For >4 To 10, Add	*52.64*	
		For >10 To 20, Add	*22.62*	
		For >160, Deduct	*-7.83*	
09 93 23 53-0013		**Cabinet Finishes** *(09 93 23 53)*		
09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.80	
09 93 23 53-0015		**Gym, Stage And Dance Floor Finishes** *(09 93 23 53)*		
09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	1.11	
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.92	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.03	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.14	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.92	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.03	
		For Stage Or Dance Floors, Deduct	*-0.10*	
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.14	
		For Stage Or Dance Floors, Deduct	*-0.10*	

09 94 Decorative Finishing *(09 90)*

09 94 13 Textured Finishing *(09 94)*

09 94 13 00-0001	SF	Textured Metallic Paint (Scufmaster Enviremetal)	3.47	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001 Anti-Graffiti Coating *(09 96 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.81	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.92	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric Painting *(09 96 53)*

Note: Per coat.

09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors	1.10	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.94	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.74	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors	2.24	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0006	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	2.07	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 96 53 00-0007	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.18	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead	1.24	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	1.06	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.82	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.42	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	2.22	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	2.27	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	50 Mil, High Build Epoxy	3.84

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	7.55

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	5.35
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	9.61
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	14.30

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	4.36

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001 Surface Preparation For Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 97 13 23-0002 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11

09 97 13 23-0003	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.19	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0004	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.05	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0005	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.04	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.49	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	

09 97 13 23-0007 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.

09 97 13 23-0008	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	3.08	
		For Up To 100, Add	*2.23*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0009	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.67	
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0010	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.49	
		For Up To 100, Add	*1.78*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0011	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.88	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.57*	

09 97 13 23-0012 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.

09 97 13 23-0013	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	6.00	
		For Up To 100, Add	*4.35*	
		For >100 To 250, Add	*2.04*	
		For >250 To 500, Add	*0.88*	
09 97 13 23-0014	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	5.13	
		For Up To 100, Add	*3.71*	
		For >100 To 250, Add	*1.74*	
		For >250 To 500, Add	*0.75*	
09 97 13 23-0015	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.70	
		For Up To 100, Add	*3.39*	
		For >100 To 250, Add	*1.59*	
		For >250 To 500, Add	*0.68*	
09 97 13 23-0016	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	7.28	
		For Up To 100, Add	*5.31*	
		For >100 To 250, Add	*2.49*	
		For >250 To 500, Add	*1.07*	

09 97 13 23-0017 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0018	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	4.46	
		For Up To 100, Add	*3.23*	
		For >100 To 250, Add	*1.51*	
		For >250 To 500, Add	*0.65*	
09 97 13 23-0019	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.80	
		For Up To 100, Add	*2.74*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.55*	
09 97 13 23-0020	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.58	
		For Up To 100, Add	*2.58*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.52*	
09 97 13 23-0021	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	5.29	
		For Up To 100, Add	*3.86*	
		For >100 To 250, Add	*1.81*	
		For >250 To 500, Add	*0.78*	

09 97 13 23-0022 Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0023 1.5 Mil Prime Coat For Structural Steel *(09 97 13 23-0022)*

09 97 13 23-0024	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	1.30	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0025	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.97	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0026	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.87	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0027	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.55	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0028	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.83	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0029	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	1.36	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0030	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	1.21	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0031	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	2.20	
		For Up To 100, Add	*1.54*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	

09 97 13 23-0032 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0022)*

09 97 13 23-0033	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.84	
		For Up To 100, Add	*2.50*	
		For >100 To 250, Add	*1.18*	
		For >250 To 500, Add	*0.51*	
09 97 13 23-0034	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.78	
		For Up To 100, Add	*1.74*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0035	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.58	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0036	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.67	
		For Up To 100, Add	*3.11*	
		For >100 To 250, Add	*1.47*	
		For >250 To 500, Add	*0.63*	
09 97 13 23-0037	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.88	
		For Up To 100, Add	*1.87*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0038	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.08	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0039	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.93	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0040	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.49	
		For Up To 100, Add	*2.32*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0041	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.83	
		For Up To 100, Add	*3.99*	
		For >100 To 250, Add	*1.88*	
		For >250 To 500, Add	*0.81*	
09 97 13 23-0042	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.15	
		For Up To 100, Add	*2.76*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.56*	
09 97 13 23-0043	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.83	
		For Up To 100, Add	*2.52*	
		For >100 To 250, Add	*1.20*	
		For >250 To 500, Add	*0.52*	
09 97 13 23-0044	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	7.15	
		For Up To 100, Add	*4.97*	
		For >100 To 250, Add	*2.34*	
		For >250 To 500, Add	*1.01*	
09 97 13 23-0045	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.37	
		For Up To 100, Add	*2.99*	
		For >100 To 250, Add	*1.41*	
		For >250 To 500, Add	*0.61*	
09 97 13 23-0046	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.10	
		For Up To 100, Add	*2.07*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0047	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.86	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0048	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	5.35	
		For Up To 100, Add	*3.72*	
		For >100 To 250, Add	*1.75*	
		For >250 To 500, Add	*0.75*	

09 97 13 23-0049 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0022)*

09 97 13 23-0050	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.96	
		For Up To 100, Add	*1.94*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0051	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.42	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0052	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.22	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0053	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.68	
		For Up To 100, Add	*2.47*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0054	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.90	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0055	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.55	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0056	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.42	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0057	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.36	
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0058	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.16	
		For Up To 100, Add	*2.84*	
		For >100 To 250, Add	*1.34*	
		For >250 To 500, Add	*0.58*	
09 97 13 23-0059	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.38	
		For Up To 100, Add	*2.28*	
		For >100 To 250, Add	*1.08*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0060	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.08	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0061	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	5.21	
		For Up To 100, Add	*3.62*	
		For >100 To 250, Add	*1.70*	
		For >250 To 500, Add	*0.73*	
09 97 13 23-0062	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.67	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0063	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.16	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0064	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.98	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0065	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	3.35	
		For Up To 100, Add	*2.33*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0066		2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel *(09 97 13 23-0022)*		
09 97 13 23-0067	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.90	
		For Up To 100, Add	*2.90*	
		For >100 To 250, Add	*1.39*	
		For >250 To 500, Add	*0.61*	
09 97 13 23-0068	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.57	
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0069	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.17	
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0070	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.53	
		For Up To 100, Add	*3.35*	
		For >100 To 250, Add	*1.60*	
		For >250 To 500, Add	*0.70*	
09 97 13 23-0071	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.42	
		For Up To 100, Add	*2.03*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0072	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.50	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0073	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.22	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0074	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.88	
		For Up To 100, Add	*2.35*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0075		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel *(09 97 13 23-0022)*		
09 97 13 23-0076	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.26	
		For Up To 100, Add	*2.96*	
		For >100 To 250, Add	*1.43*	
		For >250 To 500, Add	*0.62*	
09 97 13 23-0077	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.90	
		For Up To 100, Add	*2.03*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0078	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.50	
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0079	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.90	
		For Up To 100, Add	*3.41*	
		For >100 To 250, Add	*1.64*	
		For >250 To 500, Add	*0.72*	
09 97 13 23-0080	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	4.31	
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.51*	
09 97 13 23-0081	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	3.20	
		For Up To 100, Add	*1.66*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0082	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.87	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0083	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.85	
		For Up To 100, Add	*2.80*	
		For >100 To 250, Add	*1.35*	
		For >250 To 500, Add	*0.59*	
09 97 13 23-0084		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel *(09 97 13 23-0022)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0085	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	10.98	
		For Up To 100, Add	*6.33*	
		For >100 To 250, Add	*3.05*	
		For >250 To 500, Add	*1.33*	
09 97 13 23-0086	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.34	
		For Up To 100, Add	*4.55*	
		For >100 To 250, Add	*2.21*	
		For >250 To 500, Add	*0.97*	
09 97 13 23-0087	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.04	
		For Up To 100, Add	*4.33*	
		For >100 To 250, Add	*2.10*	
		For >250 To 500, Add	*0.92*	
09 97 13 23-0088	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	12.74	
		For Up To 100, Add	*7.62*	
		For >100 To 250, Add	*3.65*	
		For >250 To 500, Add	*1.59*	

09 97 13 23-0089 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0022)*

09 97 13 23-0090	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.80	
		For Up To 100, Add	*3.10*	
		For >100 To 250, Add	*1.51*	
		For >250 To 500, Add	*0.66*	
09 97 13 23-0091	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.58	
		For Up To 100, Add	*2.19*	
		For >100 To 250, Add	*1.08*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0092	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.38	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*1.01*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0093	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.57	
		For Up To 100, Add	*3.63*	
		For >100 To 250, Add	*1.76*	
		For >250 To 500, Add	*0.77*	
09 97 13 23-0094	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	4.58	
		For Up To 100, Add	*2.45*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.52*	
09 97 13 23-0095	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.62	
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0096	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.46	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0097	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	5.19	
		For Up To 100, Add	*2.87*	
		For >100 To 250, Add	*1.39*	
		For >250 To 500, Add	*0.61*	

09 97 13 23-0098 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel *(09 97 13 23-0022)*

09 97 13 23-0099	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	4.90	
		For Up To 100, Add	*2.96*	
		For >100 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.62*	
09 97 13 23-0100	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.98	
		For Up To 100, Add	*2.34*	
		For >100 To 250, Add	*1.12*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0101	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.69	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0102	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	6.03	
		For Up To 100, Add	*3.78*	
		For >100 To 250, Add	*1.80*	
		For >250 To 500, Add	*0.78*	

09 97 13 23-0103 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel *(09 97 13 23-0022)*

09 97 13 23-0104	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	4.70	
		For Up To 100, Add	*2.99*	
		For >100 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.62*	
09 97 13 23-0105	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.35	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0106	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.85	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0107	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	5.37	
		For Up To 100, Add	*3.45*	
		For >100 To 250, Add	*1.64*	
		For >250 To 500, Add	*0.71*	

09 97 13 23-0108 One 3 Mil High Zinc Silicate Coat For Structural Steel *(09 97 13 23-0022)*

09 97 13 23-0109	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	2.54	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0110	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.85	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0111	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.75	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0112	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.67	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	

09 97 13 23-0113 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel *(09 97 13 23-0022)*

Note: Installed over existing primer.

09 97 13 23-0114	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.89	
		For Up To 100, Add	*2.26*	
		For >100 To 250, Add	*1.09*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0115	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.19	
		For Up To 100, Add	*1.80*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0116	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.79	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0117	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	4.53	
		For Up To 100, Add	*2.72*	
		For >100 To 250, Add	*1.30*	
		For >250 To 500, Add	*0.57*	

09 97 13 24 Steel Water Storage Tank Painting *(09 97 13)*

09 97 13 24-0001 Surface Preparation For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.88	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.67	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	2.36	
		For Up To 100, Add	*1.77*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.35*	

09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0007	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	1.00	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0008	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.82	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0009	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.43	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0010		**SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks** *(09 97 13 24-0001)*		
09 97 13 24-0011	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.49	
		For Up To 100, Add	*1.78*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.36*	
09 97 13 24-0012	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.27	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 24-0013	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	3.34	
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.49*	
09 97 13 24-0014		**SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks** *(09 97 13 24-0001)*		
09 97 13 24-0015	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	4.49	
		For Up To 100, Add	*3.23*	
		For >100 To 250, Add	*1.51*	
		For >250 To 500, Add	*0.65*	
09 97 13 24-0016	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	4.28	
		For Up To 100, Add	*3.07*	
		For >100 To 250, Add	*1.44*	
		For >250 To 500, Add	*0.62*	
09 97 13 24-0017	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	6.30	
		For Up To 100, Add	*4.59*	
		For >100 To 250, Add	*2.15*	
		For >250 To 500, Add	*0.92*	
09 97 13 24-0018		**SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks** *(09 97 13 24-0001)*		
09 97 13 24-0019	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.57	
		For Up To 100, Add	*2.58*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.52*	
09 97 13 24-0020	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.57	
		For Up To 100, Add	*2.58*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.52*	
09 97 13 24-0021	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	5.28	
		For Up To 100, Add	*3.86*	
		For >100 To 250, Add	*1.81*	
		For >250 To 500, Add	*0.78*	
09 97 13 24-0022		**Protective Coatings For Tanks** *(09 97 13 24)*		
		Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0023		**1.5 Mil Prime Coat For Tanks** *(09 97 13 24-0022)*		
09 97 13 24-0024	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.76	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0025	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.62	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 97 13 24-0026	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.46	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0027	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	1.04	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0028	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.84	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0029	SF	Brush Tank Interior 1.5 Mil Prime Coat	2.08	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0030		**1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks** *(09 97 13 24-0022)*		
09 97 13 24-0031	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.26	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0032	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.77	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0033	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.17	
		For Up To 100, Add	*2.79*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.57*	
09 97 13 24-0034	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.70	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0035	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.32	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0036	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.12	
		For Up To 100, Add	*2.09*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.43*	
09 97 13 24-0037	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.31	
		For Up To 100, Add	*2.15*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
09 97 13 24-0038	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.51	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
09 97 13 24-0039	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	6.40	
		For Up To 100, Add	*4.46*	
		For >100 To 250, Add	*2.10*	
		For >250 To 500, Add	*0.90*	
09 97 13 24-0040	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.49	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	
09 97 13 24-0041	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.88	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0042	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.80	
		For Up To 100, Add	*3.35*	
		For >100 To 250, Add	*1.58*	
		For >250 To 500, Add	*0.68*	

09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0044	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.01	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0045	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.71	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0046	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.31	
		For Up To 100, Add	*2.99*	
		For >100 To 250, Add	*1.41*	
		For >250 To 500, Add	*0.61*	
09 97 13 24-0047	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.28	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0048	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.09	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0049	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.76	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 24-0050	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.78	
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
09 97 13 24-0051	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.33	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0052	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	6.58	
		For Up To 100, Add	*4.78*	
		For >100 To 250, Add	*2.24*	
		For >250 To 500, Add	*0.96*	
09 97 13 24-0053	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.78	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0054	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.50	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0055	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	4.31	
		For Up To 100, Add	*3.08*	
		For >100 To 250, Add	*1.44*	
		For >250 To 500, Add	*0.62*	
09 97 13 24-0056		2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0057	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.93	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.33*	
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.53	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.05	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.77	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0061		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.25	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.85	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.66	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.34	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0066		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0067	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.77	
		For Up To 100, Add	*4.17*	
		For >100 To 250, Add	*2.03*	
		For >250 To 500, Add	*0.89*	
09 97 13 24-0068	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.17	
		For Up To 100, Add	*3.72*	
		For >100 To 250, Add	*1.82*	
		For >250 To 500, Add	*0.80*	
09 97 13 24-0069	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.76	
		For Up To 100, Add	*7.16*	
		For >100 To 250, Add	*3.43*	
		For >250 To 500, Add	*1.49*	
09 97 13 24-0070		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0071	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.09	
		For Up To 100, Add	*1.96*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.43*	
09 97 13 24-0072	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.64	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.36*	
09 97 13 24-0073	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.04	
		For Up To 100, Add	*3.43*	
		For >100 To 250, Add	*1.65*	
		For >250 To 500, Add	*0.72*	
09 97 13 24-0074	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	3.23	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
09 97 13 24-0075	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.88	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.29*	
09 97 13 24-0076	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.78	
		For Up To 100, Add	*2.71*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0077		Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0078	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.66	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
09 97 13 24-0079	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.05	
		For Up To 100, Add	*1.66*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0080	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.66	
		For Up To 100, Add	*2.87*	
		For >100 To 250, Add	*1.37*	
		For >250 To 500, Add	*0.59*	
09 97 13 24-0081		One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0082	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.52	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0083	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.32	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0084	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.82	
		For Up To 100, Add	*2.37*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.49*	
09 97 13 24-0085		Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0022)*		
09 97 13 24-0086	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	5.55	
		For Up To 100, Add	*3.24*	
		For >100 To 250, Add	*1.56*	
		For >250 To 500, Add	*0.68*	
09 97 13 24-0087	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.40	
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.37*	
09 97 13 24-0088		One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0089	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.63	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0090	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.59	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0091	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	2.53	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0092		Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0022)*		
		Note: Installed over existing primer.		
09 97 13 24-0093	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.66	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0094	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.36	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0095	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	3.66	
		For Up To 100, Add	*2.17*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	
09 97 13 24-0096		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0097	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	9.57	
		For Up To 100, Add	*6.00*	
		For >100 To 250, Add	*2.86*	
		For >250 To 500, Add	*1.24*	
09 97 26		**Cementitious Coatings** *(09 97)*		
09 97 26 13		**Interior Cementitious Coatings** *(09 97 26)*		
09 97 26 13-0001		Ceramic-Like Glazed Coating *(09 97 26 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 26 13-0002		Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*		
09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	3.28	
09 97 26 13-0004		Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*		
09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	2.79	
09 97 35		**Dry Erase Coatings** *(09 97)*		
09 97 35 00-0001		Dry-Erase Paint *(09 97 35)*		
09 97 35 00-0002		Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*		
09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	13.71	
09 97 35 00-0004		Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*		
09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: For application over existing latex-based top coats.	7.49	
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	14.63	
09 97 63		**Special Coatings and Protection Systems** *(09 97)*		
09 97 63 00-0001		Acrylic Glazed Coating *(09 97 63)*		
09 97 63 00-0002	SF	Acrylic Glazed Coating	2.17	

END OF SECTION 09

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties *(10)*

10 01 40 Operation and Maintenance of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*
Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0003	EA	Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher	18.49
10 01 40 00-0004	EA	Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher	20.54
10 01 40 00-0005	EA	Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher	21.36
10 01 40 00-0006	EA	Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher	24.18
10 01 40 00-0007	EA	Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher	27.94

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0009	EA	Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher	22.30
10 01 40 00-0010	EA	Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher	27.00
10 01 40 00-0011	EA	Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher	38.15
10 01 40 00-0012	EA	Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher	60.22

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	22.07
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	157.30
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	220.21
10 01 40 00-0017	EA	Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher	90.67

10 01 50 Operation and Maintenance of Storage Specialties *(10 01)*

10 01 50 11 Operation and Maintenance of Storage Specialties *(10 01 50)*

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door	398.03
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door	313.33
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door	269.40
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door	228.06
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	130.37
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure	46.19
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker	9.24

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*
Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	54.46	11.53
		For >3 To 9, Deduct	*-2.36*	
		For >9, Deduct	*-4.87*	
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	34.17	5.43
		For >3 To 9, Deduct	*-1.75*	
		For >9, Deduct	*-3.61*	
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	29.53	4.68
		For >3 To 9, Deduct	*-1.51*	
		For >9, Deduct	*-3.13*	
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.23	3.05
		For >3 To 9, Deduct	*-1.36*	
		For >9, Deduct	*-2.81*	
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.98	1.70
		For >3 To 9, Deduct	*-1.24*	
		For >9, Deduct	*-2.57*	

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	57.37	11.53
		For >3 To 9, Deduct	*-2.57*	
		For >9, Deduct	*-5.32*	
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	37.01	5.43
		For >3 To 9, Deduct	*-1.96*	
		For >9, Deduct	*-4.05*	
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	32.15	4.68
		For >3 To 9, Deduct	*-1.71*	
		For >9, Deduct	*-3.53*	
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.40	3.05
		For >3 To 9, Deduct	*-1.60*	
		For >9, Deduct	*-3.30*	
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.09	1.70
		For >3 To 9, Deduct	*-1.48*	
		For >9, Deduct	*-3.05*	

10 11 13 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.

10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	52.66	11.53
		For >3 To 9, Deduct	*-2.22*	
		For >9, Deduct	*-4.59*	
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	32.33	5.43
		For >3 To 9, Deduct	*-1.61*	
		For >9, Deduct	*-3.33*	
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	27.78	4.68
		For >3 To 9, Deduct	*-1.38*	
		For >9, Deduct	*-2.86*	
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	22.76	3.05
		For >3 To 9, Deduct	*-1.25*	
		For >9, Deduct	*-2.58*	
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	18.34	1.70
		For >3 To 9, Deduct	*-1.12*	
		For >9, Deduct	*-2.32*	

10 11 13 13-0020 Removal And Reinstallation Of Chalkboards *(10 11 13 13)*

Note: Includes storage, cleaning and supply materials.

10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard	14.09	
		For >3 To 9, Deduct	*-0.04*	
		For >9, Deduct	*-0.08*	

10 11 13 13-0022 Field Applied Chalkboard And Accessories *(10 11 13 13)*

10 11 13 13-0023 Chalkboard Face Sheets And Panels *(10 11 13 13-0022)*

10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite) Note: Includes porcelain enamel steel chalkboard skin.	18.54	5.43
		For >3 To 9, Deduct	*-0.63*	
		For >9, Deduct	*-1.30*	
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT) Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back.	21.78	5.43
		For >3 To 9, Deduct	*-0.87*	
		For >9, Deduct	*-1.80*	

10 11 13 13-0026 Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0022)*

10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	26.99	7.46
		For >3 To 9, Deduct	*-0.89*	
		For >9, Deduct	*-1.84*	
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied	35.06	13.57
		For >3 To 9, Deduct	*-0.59*	
		For >9, Deduct	*-1.23*	
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	19.84	7.46
		For >3 To 9, Deduct	*-0.36*	
		For >9, Deduct	*-0.74*	
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	19.45	7.46
		For >3 To 9, Deduct	*-0.33*	
		For >9, Deduct	*-0.68*	
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	20.55	7.46
		For >3 To 9, Deduct	*-0.41*	
		For >9, Deduct	*-0.85*	
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	22.64	7.46
		For >3 To 9, Deduct	*-0.57*	
		For >9, Deduct	*-1.17*	
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	20.55	7.46
		For >3 To 9, Deduct	*-0.41*	
		For >9, Deduct	*-0.85*	

10 11 13 33 Rail-Mounted Chalkboards *(10 11 13)*

10 11 13 33-0001 Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 11 13 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*

10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,374.72	135.65
		For >3 To 9, Deduct	*-157.76*	
		For >9, Deduct	*-326.03*	
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,660.56	135.65
		For >3 To 9, Deduct	*-179.19*	
		For >9, Deduct	*-370.34*	
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,010.30	144.47
		For >3 To 9, Deduct	*-204.10*	
		For >9, Deduct	*-421.81*	
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,342.41	144.47
		For >3 To 9, Deduct	*-229.01*	
		For >9, Deduct	*-473.29*	
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,156.68	155.32
		For >3 To 9, Deduct	*-288.45*	
		For >9, Deduct	*-596.14*	
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,421.59	155.32
		For >3 To 9, Deduct	*-308.32*	
		For >9, Deduct	*-637.20*	
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,991.67	162.77
		For >3 To 9, Deduct	*-349.96*	
		For >9, Deduct	*-723.25*	
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,649.28	162.77
		For >3 To 9, Deduct	*-399.28*	
		For >9, Deduct	*-825.18*	

10 11 13 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*

10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,227.35	135.65
		For >3 To 9, Deduct	*-221.70*	
		For >9, Deduct	*-458.19*	
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,819.43	135.65
		For >3 To 9, Deduct	*-266.11*	
		For >9, Deduct	*-549.96*	
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,367.46	144.47
		For >3 To 9, Deduct	*-305.89*	
		For >9, Deduct	*-632.17*	
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,911.07	144.47
		For >3 To 9, Deduct	*-346.66*	
		For >9, Deduct	*-716.43*	
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,595.35	155.32
		For >3 To 9, Deduct	*-396.35*	
		For >9, Deduct	*-819.13*	
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,834.93	155.32
		For >3 To 9, Deduct	*-414.32*	
		For >9, Deduct	*-856.27*	
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,835.74	162.77
		For >3 To 9, Deduct	*-488.26*	
		For >9, Deduct	*-1,009.08*	
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,635.45	162.77
		For >3 To 9, Deduct	*-548.24*	
		For >9, Deduct	*-1,133.03*	

10 11 13 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*

10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,590.88	135.65
		For >3 To 9, Deduct	*-248.97*	
		For >9, Deduct	*-514.53*	
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,075.00	135.65
		For >3 To 9, Deduct	*-285.28*	
		For >9, Deduct	*-589.57*	
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,602.10	144.47
		For >3 To 9, Deduct	*-323.49*	
		For >9, Deduct	*-668.54*	
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,157.83	144.47
		For >3 To 9, Deduct	*-365.17*	
		For >9, Deduct	*-754.68*	
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,238.68	155.32
		For >3 To 9, Deduct	*-444.60*	
		For >9, Deduct	*-918.85*	
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,493.68	155.32
		For >3 To 9, Deduct	*-463.73*	
		For >9, Deduct	*-958.37*	
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,660.83	162.77
		For >3 To 9, Deduct	*-550.15*	
		For >9, Deduct	*-1,136.97*	
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	8,545.98	162.77
		For >3 To 9, Deduct	*-616.53*	
		For >9, Deduct	*-1,274.17*	

10 11 13 33-0029 Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series)

(10 11 13 33)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,829.10	135.65
		For >3 To 9, Deduct	*-191.84*	
		For >9, Deduct	*-396.46*	
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,117.15	135.65
		For >3 To 9, Deduct	*-213.44*	
		For >9, Deduct	*-441.11*	
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,407.40	144.47
		For >3 To 9, Deduct	*-233.89*	
		For >9, Deduct	*-483.36*	
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,907.48	144.47
		For >3 To 9, Deduct	*-271.39*	
		For >9, Deduct	*-560.88*	
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,279.44	155.32
		For >3 To 9, Deduct	*-297.66*	
		For >9, Deduct	*-615.17*	
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,740.96	155.32
		For >3 To 9, Deduct	*-332.27*	
		For >9, Deduct	*-686.70*	
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,126.69	135.65
		For >3 To 9, Deduct	*-289.15*	
		For >9, Deduct	*-597.59*	
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,573.89	135.65
		For >3 To 9, Deduct	*-322.69*	
		For >9, Deduct	*-666.90*	
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,025.50	144.47
		For >3 To 9, Deduct	*-355.24*	
		For >9, Deduct	*-734.17*	
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,848.30	144.47
		For >3 To 9, Deduct	*-416.95*	
		For >9, Deduct	*-861.70*	
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,364.53	155.32
		For >3 To 9, Deduct	*-454.04*	
		For >9, Deduct	*-938.35*	
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,111.32	155.32
		For >3 To 9, Deduct	*-510.05*	
		For >9, Deduct	*-1,054.11*	
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,617.05	135.65
		For >3 To 9, Deduct	*-400.93*	
		For >9, Deduct	*-828.59*	
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,226.72	135.65
		For >3 To 9, Deduct	*-446.66*	
		For >9, Deduct	*-923.09*	
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,840.79	144.47
		For >3 To 9, Deduct	*-491.39*	
		For >9, Deduct	*-1,015.54*	
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,985.21	144.47
		For >3 To 9, Deduct	*-577.22*	
		For >9, Deduct	*-1,192.92*	
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,658.92	155.32
		For >3 To 9, Deduct	*-626.12*	
		For >9, Deduct	*-1,293.98*	
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,710.81	155.32
		For >3 To 9, Deduct	*-705.01*	
		For >9, Deduct	*-1,457.03*	
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)* Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,029.68	271.30
		For >3 To 9, Deduct	*-636.53*	
		For >9, Deduct	*-1,315.50*	
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,284.81	271.30
		For >3 To 9, Deduct	*-655.67*	
		For >9, Deduct	*-1,355.04*	
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,572.31	279.78
		For >3 To 9, Deduct	*-675.96*	
		For >9, Deduct	*-1,396.98*	
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,039.60	279.78
		For >3 To 9, Deduct	*-711.00*	
		For >9, Deduct	*-1,469.41*	
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,559.11	288.25
		For >3 To 9, Deduct	*-748.70*	
		For >9, Deduct	*-1,547.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,009.88	288.25
		For >3 To 9, Deduct	*-782.50*	
		For >9, Deduct	*-1,617.17*	
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,996.88	305.21
		For >3 To 9, Deduct	*-853.99*	
		For >9, Deduct	*-1,764.90*	
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,121.58	305.21
		For >3 To 9, Deduct	*-863.34*	
		For >9, Deduct	*-1,784.23*	

10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*

10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,148.11	271.30
		For >3 To 9, Deduct	*-1,020.41*	
		For >9, Deduct	*-2,108.86*	
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,485.41	271.30
		For >3 To 9, Deduct	*-1,045.71*	
		For >9, Deduct	*-2,161.14*	
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,865.01	279.78
		For >3 To 9, Deduct	*-1,072.91*	
		For >9, Deduct	*-2,217.35*	
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,551.74	279.78
		For >3 To 9, Deduct	*-1,124.42*	
		For >9, Deduct	*-2,323.79*	
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,237.81	288.25
		For >3 To 9, Deduct	*-1,174.60*	
		For >9, Deduct	*-2,427.50*	
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,890.39	288.25
		For >3 To 9, Deduct	*-1,223.54*	
		For >9, Deduct	*-2,528.65*	
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,221.31	305.21
		For >3 To 9, Deduct	*-1,320.82*	
		For >9, Deduct	*-2,729.69*	
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,418.93	305.21
		For >3 To 9, Deduct	*-1,335.64*	
		For >9, Deduct	*-2,760.32*	

10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*

10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,351.11	271.30
		For >3 To 9, Deduct	*-1,335.64*	
		For >9, Deduct	*-2,760.32*	
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,202.42	271.30
		For >3 To 9, Deduct	*-1,399.49*	
		For >9, Deduct	*-2,892.27*	
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,656.48	279.78
		For >3 To 9, Deduct	*-1,432.27*	
		For >9, Deduct	*-2,960.03*	
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,549.43	279.78
		For >3 To 9, Deduct	*-1,499.24*	
		For >9, Deduct	*-3,098.43*	
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,491.29	288.25
		For >3 To 9, Deduct	*-1,568.61*	
		For >9, Deduct	*-3,241.79*	
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	22,394.15	288.25
		For >3 To 9, Deduct	*-1,636.32*	
		For >9, Deduct	*-3,381.74*	
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	24,181.35	305.21
		For >3 To 9, Deduct	*-1,767.82*	
		For >9, Deduct	*-3,653.50*	
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	24,529.01	305.21
		For >3 To 9, Deduct	*-1,793.90*	
		For >9, Deduct	*-3,707.38*	

10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*

10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	673.42	
		For >3 To 9, Deduct	*-49.49*	
		For >9, Deduct	*-102.28*	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	1,148.21	
		For >3 To 9, Deduct	*-85.10*	
		For >9, Deduct	*-175.87*	

10 11 16 Markerboards *(10 11)*

10 11 16 13 Fixed Markerboards *(10 11 16)*

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001 Porcelain Enamel Steel Markerboards *(10 11 16 13)*

10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	54.64	11.53
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	34.81	5.43
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	29.53	4.68
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.46	3.05
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.72	1.70

10 11 16 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	57.41	11.53
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	35.64	5.43
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	30.77	4.68
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	26.02	3.05
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	22.28	1.70

10 11 16 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.

10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	52.64	11.53
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	32.34	5.43
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	29.12	4.68
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	22.90	3.05
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	18.03	1.70

10 11 16 13-0020 Melamine Markerboards *(10 11 16 13)*

10 11 16 13-0021 1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*

Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	44.17	11.53
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	26.51	5.43
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	22.99	4.68
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	17.12	3.05
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	13.62	1.70

10 11 16 13-0027 1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*

Note: Includes marker tray and mounting hardware.

10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	43.23	11.53
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	26.07	5.43
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	22.37	4.68
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	16.01	3.05
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	12.62	1.70

10 11 16 13-0033 Nonporous, Non-Staining Markerboards *(10 11 16 13)*

10 11 16 13-0034 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*

Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.

10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	59.73	11.53
		For Magnetic Surface, Add	*3.67*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	38.75	5.43
		For Magnetic Surface, Add	*2.79*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	33.43	4.68
		For Magnetic Surface, Add	*2.41*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	29.22	3.05
		For Magnetic Surface, Add	*2.31*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.95	1.70
		For Magnetic Surface, Add	*2.16*	

10 11 16 13-0040 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*

Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.

10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	59.73	11.53
		For Magnetic Surface, Add	*3.67*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	38.75	5.43
		For Magnetic Surface, Add	*2.79*	
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	33.43	4.68
		For Magnetic Surface, Add	*2.41*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	29.22	3.05
		For Magnetic Surface, Add	*2.31*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.95	1.70
		For Magnetic Surface, Add	*2.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	105.18	11.53
		For Magnetic Surface, Add	*8.21*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	66.06	5.43
		For Magnetic Surface, Add	*5.52*	
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	55.85	4.68
		For Magnetic Surface, Add	*4.65*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	46.96	3.05
		For Magnetic Surface, Add	*4.09*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	36.28	1.70
		For Magnetic Surface, Add	*3.29*	
10 11 16 13-0052		Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)* Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	26.70	4.68
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	22.54	3.05
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	18.71	1.70
10 11 16 13-0056		Removal And Reinstallation Of Markerboard *(10 11 16 13)* Note: Includes storage, cleaning and supply materials.		
10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	81.39	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	94.96	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	108.52	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	122.08	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	135.65	
10 11 16 13-0062		Field Applied Markerboard And Accessories *(10 11 16 13)*		
10 11 16 13-0063		Markerboard Face Sheets And Panels *(10 11 16 13-0062)*		
10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.	18.28	5.43
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.	21.19	5.43
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS) Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back.	21.12	5.43
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032) Note: Includes 1/4" thick melamine panel.	13.01	5.43
10 11 16 13-0068		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)* See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33		**Rail-Mounted Markerboards** *(10 11 16)*		
10 11 16 33-0001		Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*		
10 11 16 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,346.70	135.65
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,623.19	135.65
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,963.59	144.47
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,286.36	144.47
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,091.29	155.32
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,346.86	155.32
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,898.26	162.77
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,537.18	162.77
10 11 16 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,199.33	135.65
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,782.07	135.65
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,320.75	144.47
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,855.02	144.47
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,529.96	155.32
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,760.20	155.32
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,742.32	162.77
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,523.35	162.77
10 11 16 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,562.85	135.65
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,037.64	135.65
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,555.39	144.47
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,101.78	144.47
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,173.29	155.32
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,418.95	155.32
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,567.41	162.77
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	8,461.90	162.77
10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*		
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,791.74	135.65
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,070.44	135.65
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,351.35	144.47
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,832.75	144.47
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,186.02	155.32
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,628.86	155.32
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,051.96	135.65
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,480.48	135.65
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,913.40	144.47
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,698.84	144.47
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,177.70	155.32
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,887.12	155.32
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,504.95	135.65
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,086.59	135.65
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,672.64	144.47
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,761.01	144.47
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,378.68	155.32
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	9,374.51	155.32
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)* Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,982.97	271.30
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,226.42	271.30
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,502.25	279.78
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,946.19	279.78
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,442.34	288.25
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,869.76	288.25
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,833.41	305.21
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,934.76	305.21
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,054.69	271.30
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,368.65	271.30
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,724.89	279.78
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,364.91	279.78
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,004.27	288.25
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,610.14	288.25
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,894.36	305.21
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,045.27	305.21
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,210.99	271.30
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,027.27	271.30
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,446.30	279.78
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,269.19	279.78
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,140.98	288.25
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,973.78	288.25
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,690.92	305.21
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,968.52	305.21

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)* See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		**Tackboards** *(10 11)*		
10 11 23 13		**Fixed Tackboards** *(10 11 23)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards *(10 11 23 13)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	37.84	11.53
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.13	5.43
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	18.31	4.68
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.36	3.05
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.45	1.70
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	39.58	11.53
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.94	5.43
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.90	4.68
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.72	3.05
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.44	1.70
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	39.77	11.53
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	23.64	5.43
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	21.75	4.68
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	16.52	3.05
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.79	1.70
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	42.89	11.53
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	27.19	5.43
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	24.71	4.68
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.79	3.05
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.99	1.70
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)*		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	47.11	11.53
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	31.70	5.43
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	29.26	4.68
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	24.09	3.05
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.40	1.70
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	39.03	11.53
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	22.60	5.43
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	19.96	4.68
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	16.06	3.05
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.96	1.70
10 11 23 13-0041		1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	41.42	11.53
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	25.70	5.43
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	23.68	4.68
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	18.63	3.05
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.99	1.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0047		Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	37.84	11.53
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	21.22	5.43
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	18.45	4.68
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	14.36	3.05
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	11.24	1.70
10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	39.77	11.53
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	24.49	5.43
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	21.75	4.68
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	16.52	3.05
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.79	1.70

10 12 Display Cases *(10 10)*

10 12 00 00-0001		Counter Display Cases *(10 12)*		
10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	1,982.68	207.81
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	2,139.88	207.81
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	2,075.86	207.81
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	2,050.36	92.37
10 12 00 00-0006		Upright Display Case *(10 12)*		
10 12 00 00-0007	EA	72" High x 20" Deep x 70" Wide, Upright Display Case	4,115.12	207.81
10 12 00 00-0008		Full Vision Display Case *(10 12)*		
10 12 00 00-0009	EA	38" x 20" x 70" Full Vision Display Case	2,693.44	207.81

10 13 Directories *(10 10)*

10 13 11 Directory and Bulletin Boards *(10 13)*

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001		Wall Mounted Directories *(10 13 11)* Note: Includes changeable letters.		
10 13 11 00-0002		Open Face, Wall Mounted Directories *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel.		
10 13 11 00-0003		Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)*		
10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	60.15	11.53
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	38.67	5.43
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	35.06	4.68
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	26.62	3.05
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	21.02	1.70
10 13 11 00-0009		Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*		
10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	60.70	11.53
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	39.03	5.43
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	35.80	4.68
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	25.42	3.05
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	21.57	1.70
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0015		Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016		Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*		
10 13 11 00-0017		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*		
10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	142.95	11.53
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	113.39	5.43
		For Fluorescent Lights, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	95.01	4.68
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	87.57	3.05
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	78.85	1.70
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*

10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	123.49	11.53
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	98.07	4.68
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	70.22	3.05
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	62.88	1.70
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	128.36	11.53
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.06*	
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	98.25	5.43
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.48*	
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	83.18	4.68
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.76*	
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	61.01	3.05
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.98*	
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	56.55	1.70
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.63*	

10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	195.74	11.53
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*34.54*	
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	113.31	5.43
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*20.49*	
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	95.50	4.68
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.23*	
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	73.44	3.05
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.47*	
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	67.57	1.70
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.84*	

10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0041)*

10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 11 00-0042)*

10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	192.34	11.53
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	127.72	5.43
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	123.93	4.68
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0047 Wall Mounted Bulletin Boards *(10 13 11)*

10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 11 00-0049)*

10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	139.64	11.53
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	110.91	5.43
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	92.53	4.68
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	85.23	3.05
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	77.75	1.70
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 11 00-0049)*

10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	117.61	11.53
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	92.49	4.68
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	65.91	3.05
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.57	1.70
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	131.38	11.53
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.66*	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	101.27	5.43
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.08*	
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	86.20	4.68
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.37*	
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	64.03	3.05
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.59*	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.57	1.70
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.24*	

10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	198.76	11.53
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*35.14*	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	116.33	5.43
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.10*	
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	98.52	4.68
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.83*	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	76.46	3.05
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.07*	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	70.59	1.70
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0074)*

10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0075)*

10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	189.32	11.53
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	124.71	5.43
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	120.94	4.68
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 19 Dimensional Letter Signage *(10 14)*

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters *(10 14 19)*
Note: Any font.

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters *(10 14 19 00-0001)*

10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	58.28	8.48
		For Installation With Adhesive, Deduct	*-6.30*	
		For Clear Anodized, Add	*2.44*	
		For Satin Face And Enameled Return, Add	*7.31*	
		For Patina Finish, Add	*9.75*	
		For Color Anodized, Add	*12.19*	
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	68.50	9.15
		For Installation With Adhesive, Deduct	*-7.09*	
		For Clear Anodized, Add	*3.19*	
		For Satin Face And Enameled Return, Add	*9.56*	
		For Patina Finish, Add	*12.75*	
		For Color Anodized, Add	*15.94*	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	74.95	9.83
		For Installation With Adhesive, Deduct	*-7.68*	
		For Clear Anodized, Add	*3.56*	
		For Satin Face And Enameled Return, Add	*10.69*	
		For Patina Finish, Add	*14.25*	
		For Color Anodized, Add	*17.82*	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	86.01	11.25
		For Installation With Adhesive, Deduct	*-8.78*	
		For Clear Anodized, Add	*4.13*	
		For Satin Face And Enameled Return, Add	*12.38*	
		For Patina Finish, Add	*16.50*	
		For Color Anodized, Add	*20.63*	
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	94.34	11.86
		For Installation With Adhesive, Deduct	*-9.46*	
		For Clear Anodized, Add	*4.69*	
		For Satin Face And Enameled Return, Add	*14.06*	
		For Patina Finish, Add	*18.75*	
		For Color Anodized, Add	*23.44*	
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	112.37	13.56
		For Installation With Adhesive, Deduct	*-11.04*	
		For Clear Anodized, Add	*5.81*	
		For Satin Face And Enameled Return, Add	*17.44*	
		For Patina Finish, Add	*23.25*	
		For Color Anodized, Add	*29.07*	
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	124.46	14.24
		For Installation With Adhesive, Deduct	*-11.92*	
		For Clear Anodized, Add	*6.75*	
		For Satin Face And Enameled Return, Add	*20.25*	
		For Patina Finish, Add	*27.00*	
		For Color Anodized, Add	*33.76*	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	141.66	15.25
		For Installation With Adhesive, Deduct	*-13.19*	
		For Clear Anodized, Add	*8.06*	
		For Satin Face And Enameled Return, Add	*24.19*	
		For Patina Finish, Add	*32.26*	
		For Color Anodized, Add	*40.32*	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	171.78	17.62
		For Installation With Adhesive, Deduct	*-15.64*	
		For Clear Anodized, Add	*10.13*	
		For Satin Face And Enameled Return, Add	*30.38*	
		For Patina Finish, Add	*40.50*	
		For Color Anodized, Add	*50.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	205.13	20.34
		For Installation With Adhesive, Deduct	*-18.39*	
		For Clear Anodized, Add	*12.38*	
		For Satin Face And Enameled Return, Add	*37.13*	
		For Patina Finish, Add	*49.51*	
		For Color Anodized, Add	*61.89*	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	225.46	22.60
		For Installation With Adhesive, Deduct	*-20.32*	
		For Clear Anodized, Add	*13.50*	
		For Satin Face And Enameled Return, Add	*40.51*	
		For Patina Finish, Add	*54.01*	
		For Color Anodized, Add	*67.51*	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	251.40	24.41
		For Installation With Adhesive, Deduct	*-22.33*	
		For Clear Anodized, Add	*15.38*	
		For Satin Face And Enameled Return, Add	*46.13*	
		For Patina Finish, Add	*61.51*	
		For Color Anodized, Add	*76.89*	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	303.51	27.12
		For Installation With Adhesive, Deduct	*-26.02*	
		For Clear Anodized, Add	*19.50*	
		For Satin Face And Enameled Return, Add	*58.51*	
		For Patina Finish, Add	*78.01*	
		For Color Anodized, Add	*97.52*	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	365.82	30.51
		For Installation With Adhesive, Deduct	*-30.50*	
		For Clear Anodized, Add	*24.38*	
		For Satin Face And Enameled Return, Add	*73.13*	
		For Patina Finish, Add	*97.51*	
		For Color Anodized, Add	*121.89*	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	439.39	33.90
		For Installation With Adhesive, Deduct	*-35.53*	
		For Clear Anodized, Add	*30.38*	
		For Satin Face And Enameled Return, Add	*91.14*	
		For Patina Finish, Add	*121.52*	
		For Color Anodized, Add	*151.90*	

10 14 19 00-0018 Satin Finish, Cast Bronze Characters *(10 14 19 00-0001)*

10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	71.02	9.33
		For Installation With Adhesive, Deduct	*-7.28*	
		For Oxidized Finish, Add	*5.06*	
		For Polished Or Patina Finish, Add	*10.12*	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	100.11	10.17
		For Installation With Adhesive, Deduct	*-9.07*	
		For Oxidized Finish, Add	*8.91*	
		For Polished Or Patina Finish, Add	*17.83*	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	109.24	10.85
		For Installation With Adhesive, Deduct	*-9.80*	
		For Oxidized Finish, Add	*9.88*	
		For Polished Or Patina Finish, Add	*19.76*	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	132.34	12.20
		For Installation With Adhesive, Deduct	*-11.50*	
		For Oxidized Finish, Add	*12.53*	
		For Polished Or Patina Finish, Add	*25.06*	
10 14 19 00-0023	EA	6" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	146.97	13.02
		For Installation With Adhesive, Deduct	*-12.57*	
		For Oxidized Finish, Add	*14.21*	
		For Polished Or Patina Finish, Add	*28.43*	
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	194.58	14.92
		For Installation With Adhesive, Deduct	*-15.70*	
		For Oxidized Finish, Add	*20.24*	
		For Polished Or Patina Finish, Add	*40.47*	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	221.37	15.59
		For Installation With Adhesive, Deduct	*-17.31*	
		For Oxidized Finish, Add	*23.85*	
		For Polished Or Patina Finish, Add	*47.70*	
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	247.68	16.95
		For Installation With Adhesive, Deduct	*-19.16*	
		For Oxidized Finish, Add	*26.98*	
		For Polished Or Patina Finish, Add	*53.96*	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	293.87	19.66
		For Installation With Adhesive, Deduct	*-22.56*	
		For Oxidized Finish, Add	*32.28*	
		For Polished Or Patina Finish, Add	*64.57*	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	344.87	22.37
		For Installation With Adhesive, Deduct	*-26.19*	
		For Oxidized Finish, Add	*38.31*	
		For Polished Or Patina Finish, Add	*76.61*	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	408.82	27.12
		For Installation With Adhesive, Deduct	*-31.29*	
		For Oxidized Finish, Add	*45.05*	
		For Polished Or Patina Finish, Add	*90.10*	
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	424.99	29.16
		For Installation With Adhesive, Deduct	*-32.91*	
		For Oxidized Finish, Add	*46.26*	
		For Polished Or Patina Finish, Add	*92.51*	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	599.76	33.90
		For Installation With Adhesive, Deduct	*-43.55*	
		For Oxidized Finish, Add	*69.62*	
		For Polished Or Patina Finish, Add	*139.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0032	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	721.10	38.14
		For Installation With Adhesive, Deduct	*-51.31*	
		For Oxidized Finish, Add	*85.28*	
		For Polished Or Patina Finish, Add	*170.57*	
10 14 19 00-0033	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	915.08	44.07
		For Installation With Adhesive, Deduct	*-63.38*	
		For Oxidized Finish, Add	*110.82*	
		For Polished Or Patina Finish, Add	*221.64*	

10 14 19 00-0034 Molded Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0035 Molded Plastic Characters *(10 14 19 00-0034)*

10 14 19 00-0036	EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	45.21	6.78
		For Installation With Adhesive, Deduct	*-4.97*	
10 14 19 00-0037	EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	49.02	7.46
		For Installation With Adhesive, Deduct	*-5.43*	
10 14 19 00-0038	EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	54.09	8.13
		For Installation With Adhesive, Deduct	*-5.96*	
10 14 19 00-0039	EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	68.37	8.82
		For Installation With Adhesive, Deduct	*-6.94*	
10 14 19 00-0040	EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	73.86	9.49
		For Installation With Adhesive, Deduct	*-7.49*	
10 14 19 00-0041	EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	79.93	10.17
		For Installation With Adhesive, Deduct	*-8.06*	
10 14 19 00-0042	EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	93.17	11.86
		For Installation With Adhesive, Deduct	*-9.40*	
10 14 19 00-0043	EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	122.36	14.92
		For Installation With Adhesive, Deduct	*-12.09*	
10 14 19 00-0044	EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	155.02	17.62
		For Installation With Adhesive, Deduct	*-14.80*	
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	227.02	21.70
		For Installation With Adhesive, Deduct	*-20.03*	
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	333.25	25.43
		For Installation With Adhesive, Deduct	*-26.83*	
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	435.10	29.16
		For Installation With Adhesive, Deduct	*-33.42*	
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	804.96	38.99
		For Installation With Adhesive, Deduct	*-55.84*	

10 14 19 00-0049 Cutout Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0050 Satin Finish, Aluminum Characters *(10 14 19 00-0049)*

10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	54.53	8.48
		For Installation With Adhesive, Deduct	*-6.12*	
		For Clear Anodized, Add	*2.06*	
		For Satin Face And Enameled Return, Add	*7.22*	
		For Color Anodized, Add	*10.32*	
		For Polished Or Patina Finish, Add	*10.32*	
		For Polished Anodized Finish, Add	*15.47*	
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	74.95	9.83
		For Installation With Adhesive, Deduct	*-7.68*	
		For Clear Anodized, Add	*3.56*	
		For Satin Face And Enameled Return, Add	*12.47*	
		For Color Anodized, Add	*17.82*	
		For Polished Or Patina Finish, Add	*17.82*	
		For Polished Anodized Finish, Add	*26.72*	
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	99.97	11.86
		For Installation With Adhesive, Deduct	*-9.74*	
		For Clear Anodized, Add	*5.25*	
		For Satin Face And Enameled Return, Add	*18.38*	
		For Color Anodized, Add	*26.26*	
		For Polished Or Patina Finish, Add	*26.26*	
		For Polished Anodized Finish, Add	*39.38*	
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	121.75	13.56
		For Installation With Adhesive, Deduct	*-11.51*	
		For Clear Anodized, Add	*6.75*	
		For Satin Face And Enameled Return, Add	*23.63*	
		For Color Anodized, Add	*33.76*	
		For Polished Or Patina Finish, Add	*33.76*	
		For Polished Anodized Finish, Add	*50.63*	
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	139.78	15.25
		For Installation With Adhesive, Deduct	*-13.09*	
		For Clear Anodized, Add	*7.88*	
		For Satin Face And Enameled Return, Add	*27.57*	
		For Color Anodized, Add	*39.38*	
		For Polished Or Patina Finish, Add	*39.38*	
		For Polished Anodized Finish, Add	*59.07*	
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	160.53	17.62
		For Installation With Adhesive, Deduct	*-15.08*	
		For Clear Anodized, Add	*9.00*	
		For Satin Face And Enameled Return, Add	*31.50*	
		For Color Anodized, Add	*45.01*	
		For Polished Or Patina Finish, Add	*45.01*	
		For Polished Anodized Finish, Add	*67.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	188.25	20.34
		For Installation With Adhesive, Deduct	*-17.55*	
		For Clear Anodized, Add	*10.69*	
		For Satin Face And Enameled Return, Add	*37.41*	
		For Color Anodized, Add	*53.45*	
		For Polished Or Patina Finish, Add	*53.45*	
		For Polished Anodized Finish, Add	*80.17*	
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	223.27	24.41
		For Installation With Adhesive, Deduct	*-20.93*	
		For Clear Anodized, Add	*12.56*	
		For Satin Face And Enameled Return, Add	*43.97*	
		For Color Anodized, Add	*62.82*	
		For Polished Or Patina Finish, Add	*62.82*	
		For Polished Anodized Finish, Add	*94.23*	
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	251.00	27.12
		For Installation With Adhesive, Deduct	*-23.40*	
		For Clear Anodized, Add	*14.25*	
		For Satin Face And Enameled Return, Add	*49.88*	
		For Color Anodized, Add	*71.26*	
		For Polished Or Patina Finish, Add	*71.26*	
		For Polished Anodized Finish, Add	*106.89*	
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	300.19	30.51
		For Installation With Adhesive, Deduct	*-27.21*	
		For Clear Anodized, Add	*17.82*	
		For Satin Face And Enameled Return, Add	*62.35*	
		For Color Anodized, Add	*89.08*	
		For Polished Or Patina Finish, Add	*89.08*	
		For Polished Anodized Finish, Add	*133.61*	
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	342.60	32.20
		For Installation With Adhesive, Deduct	*-30.01*	
		For Clear Anodized, Add	*21.38*	
		For Satin Face And Enameled Return, Add	*74.82*	
		For Color Anodized, Add	*106.89*	
		For Polished Or Patina Finish, Add	*106.89*	
		For Polished Anodized Finish, Add	*160.34*	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	420.64	33.90
		For Installation With Adhesive, Deduct	*-34.59*	
		For Clear Anodized, Add	*28.50*	
		For Satin Face And Enameled Return, Add	*99.76*	
		For Color Anodized, Add	*142.52*	
		For Polished Or Patina Finish, Add	*142.52*	
		For Polished Anodized Finish, Add	*213.78*	
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	597.15	40.68
		For Installation With Adhesive, Deduct	*-46.13*	
		For Clear Anodized, Add	*43.44*	
		For Satin Face And Enameled Return, Add	*152.05*	
		For Color Anodized, Add	*217.22*	
		For Polished Or Patina Finish, Add	*217.22*	
		For Polished Anodized Finish, Add	*325.82*	

10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	67.73	8.48
		For Installation With Adhesive, Deduct	*-6.78*	
		For Clear Anodized, Add	*3.38*	
		For Satin Face And Enameled Return, Add	*11.84*	
		For Color Anodized, Add	*16.92*	
		For Polished Or Patina Finish, Add	*16.92*	
		For Polished Anodized Finish, Add	*25.37*	
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	95.62	9.83
		For Installation With Adhesive, Deduct	*-8.71*	
		For Clear Anodized, Add	*5.63*	
		For Satin Face And Enameled Return, Add	*19.71*	
		For Color Anodized, Add	*28.15*	
		For Polished Or Patina Finish, Add	*28.15*	
		For Polished Anodized Finish, Add	*42.23*	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	120.44	11.86
		For Installation With Adhesive, Deduct	*-10.77*	
		For Clear Anodized, Add	*7.30*	
		For Satin Face And Enameled Return, Add	*25.54*	
		For Color Anodized, Add	*36.49*	
		For Polished Or Patina Finish, Add	*36.49*	
		For Polished Anodized Finish, Add	*54.74*	
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	150.10	13.56
		For Installation With Adhesive, Deduct	*-12.93*	
		For Clear Anodized, Add	*9.59*	
		For Satin Face And Enameled Return, Add	*33.55*	
		For Color Anodized, Add	*47.93*	
		For Polished Or Patina Finish, Add	*47.93*	
		For Polished Anodized Finish, Add	*71.90*	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	173.65	15.25
		For Installation With Adhesive, Deduct	*-14.78*	
		For Clear Anodized, Add	*11.26*	
		For Satin Face And Enameled Return, Add	*39.42*	
		For Color Anodized, Add	*56.32*	
		For Polished Or Patina Finish, Add	*56.32*	
		For Polished Anodized Finish, Add	*84.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	203.74	17.62
		For Installation With Adhesive, Deduct	*-17.24*	
		For Clear Anodized, Add	*13.32*	
		For Satin Face And Enameled Return, Add	*46.63*	
		For Color Anodized, Add	*66.61*	
		For Polished Or Patina Finish, Add	*66.61*	
		For Polished Anodized Finish, Add	*99.92*	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	238.49	20.34
		For Installation With Adhesive, Deduct	*-20.06*	
		For Clear Anodized, Add	*15.71*	
		For Satin Face And Enameled Return, Add	*55.00*	
		For Color Anodized, Add	*78.57*	
		For Polished Or Patina Finish, Add	*78.57*	
		For Polished Anodized Finish, Add	*117.85*	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	294.89	24.41
		For Installation With Adhesive, Deduct	*-24.51*	
		For Clear Anodized, Add	*19.73*	
		For Satin Face And Enameled Return, Add	*69.04*	
		For Color Anodized, Add	*98.63*	
		For Polished Or Patina Finish, Add	*98.63*	
		For Polished Anodized Finish, Add	*147.95*	
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	340.79	27.12
		For Installation With Adhesive, Deduct	*-27.89*	
		For Clear Anodized, Add	*23.23*	
		For Satin Face And Enameled Return, Add	*81.31*	
		For Color Anodized, Add	*116.16*	
		For Polished Or Patina Finish, Add	*116.16*	
		For Polished Anodized Finish, Add	*174.23*	
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	394.61	30.51
		For Installation With Adhesive, Deduct	*-31.93*	
		For Clear Anodized, Add	*27.26*	
		For Satin Face And Enameled Return, Add	*95.40*	
		For Color Anodized, Add	*136.29*	
		For Polished Or Patina Finish, Add	*136.29*	
		For Polished Anodized Finish, Add	*204.43*	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	440.94	32.20
		For Installation With Adhesive, Deduct	*-34.93*	
		For Clear Anodized, Add	*31.21*	
		For Satin Face And Enameled Return, Add	*109.24*	
		For Color Anodized, Add	*156.06*	
		For Polished Or Patina Finish, Add	*156.06*	
		For Polished Anodized Finish, Add	*234.09*	
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	489.05	33.90
		For Installation With Adhesive, Deduct	*-38.01*	
		For Clear Anodized, Add	*35.35*	
		For Satin Face And Enameled Return, Add	*123.71*	
		For Color Anodized, Add	*176.73*	
		For Polished Or Patina Finish, Add	*176.73*	
		For Polished Anodized Finish, Add	*265.09*	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	669.04	40.68
		For Installation With Adhesive, Deduct	*-49.72*	
		For Clear Anodized, Add	*50.63*	
		For Satin Face And Enameled Return, Add	*177.21*	
		For Color Anodized, Add	*253.16*	
		For Polished Or Patina Finish, Add	*253.16*	
		For Polished Anodized Finish, Add	*379.74*	

10 14 19 00-0079 1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	82.99	8.48
		For Installation With Adhesive, Deduct	*-7.54*	
		For Clear Anodized, Add	*4.91*	
		For Satin Face And Enameled Return, Add	*17.18*	
		For Color Anodized, Add	*24.55*	
		For Polished Or Patina Finish, Add	*24.55*	
		For Polished Anodized Finish, Add	*36.82*	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	106.66	9.83
		For Installation With Adhesive, Deduct	*-9.27*	
		For Clear Anodized, Add	*6.73*	
		For Satin Face And Enameled Return, Add	*23.57*	
		For Color Anodized, Add	*33.67*	
		For Polished Or Patina Finish, Add	*33.67*	
		For Polished Anodized Finish, Add	*50.51*	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	133.57	11.86
		For Installation With Adhesive, Deduct	*-11.42*	
		For Clear Anodized, Add	*8.61*	
		For Satin Face And Enameled Return, Add	*30.14*	
		For Color Anodized, Add	*43.06*	
		For Polished Or Patina Finish, Add	*43.06*	
		For Polished Anodized Finish, Add	*64.58*	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	157.53	13.56
		For Installation With Adhesive, Deduct	*-13.30*	
		For Clear Anodized, Add	*10.33*	
		For Satin Face And Enameled Return, Add	*36.15*	
		For Color Anodized, Add	*51.65*	
		For Polished Or Patina Finish, Add	*51.65*	
		For Polished Anodized Finish, Add	*77.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	183.10	15.25
		For Installation With Adhesive, Deduct	*-15.26*	
		For Clear Anodized, Add	*12.21*	
		For Satin Face And Enameled Return, Add	*42.73*	
		For Color Anodized, Add	*61.04*	
		For Polished Or Patina Finish, Add	*61.04*	
		For Polished Anodized Finish, Add	*91.56*	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	224.44	17.62
		For Installation With Adhesive, Deduct	*-18.27*	
		For Clear Anodized, Add	*15.39*	
		For Satin Face And Enameled Return, Add	*53.87*	
		For Color Anodized, Add	*76.96*	
		For Polished Or Patina Finish, Add	*76.96*	
		For Polished Anodized Finish, Add	*115.44*	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	275.90	20.34
		For Installation With Adhesive, Deduct	*-21.93*	
		For Clear Anodized, Add	*19.45*	
		For Satin Face And Enameled Return, Add	*68.09*	
		For Color Anodized, Add	*97.27*	
		For Polished Or Patina Finish, Add	*97.27*	
		For Polished Anodized Finish, Add	*145.91*	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	333.84	24.41
		For Installation With Adhesive, Deduct	*-26.46*	
		For Clear Anodized, Add	*23.62*	
		For Satin Face And Enameled Return, Add	*82.67*	
		For Color Anodized, Add	*118.11*	
		For Polished Or Patina Finish, Add	*118.11*	
		For Polished Anodized Finish, Add	*177.16*	
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	403.50	27.12
		For Installation With Adhesive, Deduct	*-31.02*	
		For Clear Anodized, Add	*29.50*	
		For Satin Face And Enameled Return, Add	*103.26*	
		For Color Anodized, Add	*147.51*	
		For Polished Or Patina Finish, Add	*147.51*	
		For Polished Anodized Finish, Add	*221.27*	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	474.78	30.51
		For Installation With Adhesive, Deduct	*-35.94*	
		For Clear Anodized, Add	*35.27*	
		For Satin Face And Enameled Return, Add	*123.46*	
		For Color Anodized, Add	*176.37*	
		For Polished Or Patina Finish, Add	*176.37*	
		For Polished Anodized Finish, Add	*264.56*	
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	543.55	32.20
		For Installation With Adhesive, Deduct	*-40.06*	
		For Clear Anodized, Add	*41.47*	
		For Satin Face And Enameled Return, Add	*145.16*	
		For Color Anodized, Add	*207.37*	
		For Polished Or Patina Finish, Add	*207.37*	
		For Polished Anodized Finish, Add	*311.05*	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	608.77	33.90
		For Installation With Adhesive, Deduct	*-44.00*	
		For Clear Anodized, Add	*47.32*	
		For Satin Face And Enameled Return, Add	*165.61*	
		For Color Anodized, Add	*236.59*	
		For Polished Or Patina Finish, Add	*236.59*	
		For Polished Anodized Finish, Add	*354.88*	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	841.19	40.68
		For Installation With Adhesive, Deduct	*-58.33*	
		For Clear Anodized, Add	*67.85*	
		For Satin Face And Enameled Return, Add	*237.46*	
		For Color Anodized, Add	*339.24*	
		For Polished Or Patina Finish, Add	*339.24*	
		For Polished Anodized Finish, Add	*508.85*	

10 14 19 00-0093 3/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	86.50	8.48
		For Installation With Adhesive, Deduct	*-7.72*	
		For Clear Anodized, Add	*5.26*	
		For Satin Face And Enameled Return, Add	*18.41*	
		For Color Anodized, Add	*26.30*	
		For Polished Or Patina Finish, Add	*26.30*	
		For Polished Anodized Finish, Add	*39.45*	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	110.58	9.83
		For Installation With Adhesive, Deduct	*-9.46*	
		For Clear Anodized, Add	*7.13*	
		For Satin Face And Enameled Return, Add	*24.94*	
		For Color Anodized, Add	*35.63*	
		For Polished Or Patina Finish, Add	*35.63*	
		For Polished Anodized Finish, Add	*53.45*	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	145.12	11.86
		For Installation With Adhesive, Deduct	*-12.00*	
		For Clear Anodized, Add	*9.77*	
		For Satin Face And Enameled Return, Add	*34.18*	
		For Color Anodized, Add	*48.83*	
		For Polished Or Patina Finish, Add	*48.83*	
		For Polished Anodized Finish, Add	*73.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	191.28	13.56
		For Installation With Adhesive, Deduct	*-14.99*	
		For Clear Anodized, Add	*13.70*	
		For Satin Face And Enameled Return, Add	*47.96*	
		For Color Anodized, Add	*68.52*	
		For Polished Or Patina Finish, Add	*68.52*	
		For Polished Anodized Finish, Add	*102.78*	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	239.02	15.25
		For Installation With Adhesive, Deduct	*-18.05*	
		For Clear Anodized, Add	*17.80*	
		For Satin Face And Enameled Return, Add	*62.30*	
		For Color Anodized, Add	*89.00*	
		For Polished Or Patina Finish, Add	*89.00*	
		For Polished Anodized Finish, Add	*133.50*	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	299.15	17.62
		For Installation With Adhesive, Deduct	*-22.01*	
		For Clear Anodized, Add	*22.86*	
		For Satin Face And Enameled Return, Add	*80.02*	
		For Color Anodized, Add	*114.32*	
		For Polished Or Patina Finish, Add	*114.32*	
		For Polished Anodized Finish, Add	*171.47*	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	372.10	20.34
		For Installation With Adhesive, Deduct	*-26.74*	
		For Clear Anodized, Add	*29.07*	
		For Satin Face And Enameled Return, Add	*101.76*	
		For Color Anodized, Add	*145.37*	
		For Polished Or Patina Finish, Add	*145.37*	
		For Polished Anodized Finish, Add	*218.06*	
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	459.48	24.41
		For Installation With Adhesive, Deduct	*-32.74*	
		For Clear Anodized, Add	*36.19*	
		For Satin Face And Enameled Return, Add	*126.65*	
		For Color Anodized, Add	*180.93*	
		For Polished Or Patina Finish, Add	*180.93*	
		For Polished Anodized Finish, Add	*271.39*	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	560.27	27.12
		For Installation With Adhesive, Deduct	*-38.86*	
		For Clear Anodized, Add	*45.18*	
		For Satin Face And Enameled Return, Add	*158.13*	
		For Color Anodized, Add	*225.90*	
		For Polished Or Patina Finish, Add	*225.90*	
		For Polished Anodized Finish, Add	*338.84*	
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	665.40	30.51
		For Installation With Adhesive, Deduct	*-45.47*	
		For Clear Anodized, Add	*54.34*	
		For Satin Face And Enameled Return, Add	*190.18*	
		For Color Anodized, Add	*271.68*	
		For Polished Or Patina Finish, Add	*271.68*	
		For Polished Anodized Finish, Add	*407.52*	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	770.16	32.20
		For Installation With Adhesive, Deduct	*-51.39*	
		For Clear Anodized, Add	*64.13*	
		For Satin Face And Enameled Return, Add	*224.47*	
		For Color Anodized, Add	*320.67*	
		For Polished Or Patina Finish, Add	*320.67*	
		For Polished Anodized Finish, Add	*481.01*	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	879.55	33.90
		For Installation With Adhesive, Deduct	*-57.54*	
		For Clear Anodized, Add	*74.40*	
		For Satin Face And Enameled Return, Add	*260.38*	
		For Color Anodized, Add	*371.98*	
		For Polished Or Patina Finish, Add	*371.98*	
		For Polished Anodized Finish, Add	*557.96*	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,205.74	40.68
		For Installation With Adhesive, Deduct	*-76.56*	
		For Clear Anodized, Add	*104.30*	
		For Satin Face And Enameled Return, Add	*365.06*	
		For Color Anodized, Add	*521.51*	
		For Polished Or Patina Finish, Add	*521.51*	
		For Polished Anodized Finish, Add	*782.27*	

10 14 19 00-0107 1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	95.78	8.48
		For Installation With Adhesive, Deduct	*-8.18*	
		For Clear Anodized, Add	*6.19*	
		For Satin Face And Enameled Return, Add	*21.66*	
		For Color Anodized, Add	*30.94*	
		For Polished Or Patina Finish, Add	*30.94*	
		For Polished Anodized Finish, Add	*46.41*	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	118.06	9.83
		For Installation With Adhesive, Deduct	*-9.84*	
		For Clear Anodized, Add	*7.87*	
		For Satin Face And Enameled Return, Add	*27.56*	
		For Color Anodized, Add	*39.37*	
		For Polished Or Patina Finish, Add	*39.37*	
		For Polished Anodized Finish, Add	*59.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	154.57	11.86
		For Installation With Adhesive, Deduct	*-12.47*	
		For Clear Anodized, Add	*10.71*	
		For Satin Face And Enameled Return, Add	*37.49*	
		For Color Anodized, Add	*53.56*	
		For Polished Or Patina Finish, Add	*53.56*	
		For Polished Anodized Finish, Add	*80.33*	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	210.19	13.56
		For Installation With Adhesive, Deduct	*-15.93*	
		For Clear Anodized, Add	*15.60*	
		For Satin Face And Enameled Return, Add	*54.58*	
		For Color Anodized, Add	*77.98*	
		For Polished Or Patina Finish, Add	*77.98*	
		For Polished Anodized Finish, Add	*116.96*	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	283.91	15.25
		For Installation With Adhesive, Deduct	*-20.30*	
		For Clear Anodized, Add	*22.29*	
		For Satin Face And Enameled Return, Add	*78.01*	
		For Color Anodized, Add	*111.45*	
		For Polished Or Patina Finish, Add	*111.45*	
		For Polished Anodized Finish, Add	*167.17*	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	370.26	17.62
		For Installation With Adhesive, Deduct	*-25.57*	
		For Clear Anodized, Add	*29.97*	
		For Satin Face And Enameled Return, Add	*104.91*	
		For Color Anodized, Add	*149.87*	
		For Polished Or Patina Finish, Add	*149.87*	
		For Polished Anodized Finish, Add	*224.81*	
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	467.23	20.34
		For Installation With Adhesive, Deduct	*-31.50*	
		For Clear Anodized, Add	*38.59*	
		For Satin Face And Enameled Return, Add	*135.05*	
		For Color Anodized, Add	*192.94*	
		For Polished Or Patina Finish, Add	*192.94*	
		For Polished Anodized Finish, Add	*289.40*	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	580.10	24.41
		For Installation With Adhesive, Deduct	*-38.77*	
		For Clear Anodized, Add	*48.25*	
		For Satin Face And Enameled Return, Add	*168.86*	
		For Color Anodized, Add	*241.24*	
		For Polished Or Patina Finish, Add	*241.24*	
		For Polished Anodized Finish, Add	*361.85*	
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	701.36	27.12
		For Installation With Adhesive, Deduct	*-45.92*	
		For Clear Anodized, Add	*59.29*	
		For Satin Face And Enameled Return, Add	*207.51*	
		For Color Anodized, Add	*296.44*	
		For Polished Or Patina Finish, Add	*296.44*	
		For Polished Anodized Finish, Add	*444.66*	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	861.36	30.51
		For Installation With Adhesive, Deduct	*-55.27*	
		For Clear Anodized, Add	*73.93*	
		For Satin Face And Enameled Return, Add	*258.76*	
		For Color Anodized, Add	*369.66*	
		For Polished Or Patina Finish, Add	*369.66*	
		For Polished Anodized Finish, Add	*554.49*	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,024.56	32.20
		For Installation With Adhesive, Deduct	*-64.11*	
		For Clear Anodized, Add	*89.57*	
		For Satin Face And Enameled Return, Add	*313.51*	
		For Color Anodized, Add	*447.87*	
		For Polished Or Patina Finish, Add	*447.87*	
		For Polished Anodized Finish, Add	*671.81*	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,207.35	33.90
		For Installation With Adhesive, Deduct	*-73.93*	
		For Clear Anodized, Add	*107.18*	
		For Satin Face And Enameled Return, Add	*375.11*	
		For Color Anodized, Add	*535.88*	
		For Polished Or Patina Finish, Add	*535.88*	
		For Polished Anodized Finish, Add	*803.81*	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,701.93	40.68
		For Installation With Adhesive, Deduct	*-101.37*	
		For Clear Anodized, Add	*153.92*	
		For Satin Face And Enameled Return, Add	*538.72*	
		For Color Anodized, Add	*769.61*	
		For Polished Or Patina Finish, Add	*769.61*	
		For Polished Anodized Finish, Add	*1,154.41*	

10 14 19 00-0121 Satin Finish, Brass Characters *(10 14 19 00-0049)*

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	70.35	8.48
		For Installation With Adhesive, Deduct	*-6.91*	
		For Oxidized Finish, Add	*5.47*	
		For Polished Finish, Add	*10.94*	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	90.05	9.83
		For Installation With Adhesive, Deduct	*-8.43*	
		For Oxidized Finish, Add	*7.61*	
		For Polished Finish, Add	*15.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	122.97	11.86
		For Installation With Adhesive, Deduct	*-10.89*	
		For Oxidized Finish, Add	*11.33*	
		For Polished Finish, Add	*22.65*	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	159.70	13.56
		For Installation With Adhesive, Deduct	*-13.41*	
		For Oxidized Finish, Add	*15.82*	
		For Polished Finish, Add	*31.64*	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	202.93	15.25
		For Installation With Adhesive, Deduct	*-16.25*	
		For Oxidized Finish, Add	*21.29*	
		For Polished Finish, Add	*42.57*	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	255.40	17.62
		For Installation With Adhesive, Deduct	*-19.82*	
		For Oxidized Finish, Add	*27.73*	
		For Polished Finish, Add	*55.46*	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	318.31	20.34
		For Installation With Adhesive, Deduct	*-24.05*	
		For Oxidized Finish, Add	*35.54*	
		For Polished Finish, Add	*71.09*	
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	387.96	24.41
		For Installation With Adhesive, Deduct	*-29.16*	
		For Oxidized Finish, Add	*43.55*	
		For Polished Finish, Add	*87.10*	
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	469.30	27.12
		For Installation With Adhesive, Deduct	*-34.31*	
		For Oxidized Finish, Add	*54.12*	
		For Polished Finish, Add	*108.25*	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	556.89	30.51
		For Installation With Adhesive, Deduct	*-40.05*	
		For Oxidized Finish, Add	*65.23*	
		For Polished Finish, Add	*130.46*	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	680.84	32.20
		For Installation With Adhesive, Deduct	*-46.92*	
		For Oxidized Finish, Add	*82.80*	
		For Polished Finish, Add	*165.61*	
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	745.65	33.90
		For Installation With Adhesive, Deduct	*-50.84*	
		For Oxidized Finish, Add	*91.51*	
		For Polished Finish, Add	*183.02*	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,113.94	40.68
		For Installation With Adhesive, Deduct	*-71.97*	
		For Oxidized Finish, Add	*142.68*	
		For Polished Finish, Add	*285.37*	
10 14 19 00-0136		3/8" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*		
10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	83.11	8.48
		For Installation With Adhesive, Deduct	*-7.55*	
		For Oxidized Finish, Add	*7.38*	
		For Polished Finish, Add	*14.76*	
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	107.80	9.83
		For Installation With Adhesive, Deduct	*-9.32*	
		For Oxidized Finish, Add	*10.27*	
		For Polished Finish, Add	*20.54*	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	153.18	11.86
		For Installation With Adhesive, Deduct	*-12.41*	
		For Oxidized Finish, Add	*15.86*	
		For Polished Finish, Add	*31.72*	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	201.88	13.56
		For Installation With Adhesive, Deduct	*-15.52*	
		For Oxidized Finish, Add	*22.15*	
		For Polished Finish, Add	*44.29*	
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	266.79	15.25
		For Installation With Adhesive, Deduct	*-19.44*	
		For Oxidized Finish, Add	*30.87*	
		For Polished Finish, Add	*61.73*	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	338.59	17.62
		For Installation With Adhesive, Deduct	*-23.98*	
		For Oxidized Finish, Add	*40.21*	
		For Polished Finish, Add	*80.42*	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	424.94	20.34
		For Installation With Adhesive, Deduct	*-29.38*	
		For Oxidized Finish, Add	*51.54*	
		For Polished Finish, Add	*103.07*	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	504.10	24.41
		For Installation With Adhesive, Deduct	*-34.97*	
		For Oxidized Finish, Add	*60.97*	
		For Polished Finish, Add	*121.94*	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	631.67	27.12
		For Installation With Adhesive, Deduct	*-42.43*	
		For Oxidized Finish, Add	*78.48*	
		For Polished Finish, Add	*156.96*	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	730.83	30.51
		For Installation With Adhesive, Deduct	*-48.75*	
		For Oxidized Finish, Add	*91.32*	
		For Polished Finish, Add	*182.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	896.13	32.20
		For Installation With Adhesive, Deduct	*-57.69*	
		For Oxidized Finish, Add	*115.10*	
		For Polished Finish, Add	*230.19*	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,020.18	33.90
		For Installation With Adhesive, Deduct	*-64.57*	
		For Oxidized Finish, Add	*132.69*	
		For Polished Finish, Add	*265.37*	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,408.82	40.68
		For Installation With Adhesive, Deduct	*-86.71*	
		For Oxidized Finish, Add	*186.92*	
		For Polished Finish, Add	*373.83*	

10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	103.16	8.48
		For Installation With Adhesive, Deduct	*-8.55*	
		For Oxidized Finish, Add	*10.39*	
		For Polished Finish, Add	*20.78*	
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	133.16	9.83
		For Installation With Adhesive, Deduct	*-10.59*	
		For Oxidized Finish, Add	*14.08*	
		For Polished Finish, Add	*28.15*	
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	190.93	11.86
		For Installation With Adhesive, Deduct	*-14.29*	
		For Oxidized Finish, Add	*21.52*	
		For Polished Finish, Add	*43.04*	
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	259.88	13.56
		For Installation With Adhesive, Deduct	*-18.42*	
		For Oxidized Finish, Add	*30.85*	
		For Polished Finish, Add	*61.69*	
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	359.03	15.25
		For Installation With Adhesive, Deduct	*-24.05*	
		For Oxidized Finish, Add	*44.70*	
		For Polished Finish, Add	*89.40*	
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	477.25	17.62
		For Installation With Adhesive, Deduct	*-30.91*	
		For Oxidized Finish, Add	*61.01*	
		For Polished Finish, Add	*122.02*	
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	590.81	20.34
		For Installation With Adhesive, Deduct	*-37.68*	
		For Oxidized Finish, Add	*76.42*	
		For Polished Finish, Add	*152.84*	
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	704.43	24.41
		For Installation With Adhesive, Deduct	*-44.98*	
		For Oxidized Finish, Add	*91.02*	
		For Polished Finish, Add	*182.04*	
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	956.42	27.12
		For Installation With Adhesive, Deduct	*-58.67*	
		For Oxidized Finish, Add	*127.19*	
		For Polished Finish, Add	*254.38*	
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,078.71	30.51
		For Installation With Adhesive, Deduct	*-66.14*	
		For Oxidized Finish, Add	*143.50*	
		For Polished Finish, Add	*287.00*	
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,343.27	32.20
		For Installation With Adhesive, Deduct	*-80.05*	
		For Oxidized Finish, Add	*182.17*	
		For Polished Finish, Add	*364.34*	
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,569.22	33.90
		For Installation With Adhesive, Deduct	*-92.02*	
		For Oxidized Finish, Add	*215.04*	
		For Polished Finish, Add	*430.09*	
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,360.05	40.68
		For Installation With Adhesive, Deduct	*-134.27*	
		For Oxidized Finish, Add	*329.60*	
		For Polished Finish, Add	*659.20*	

10 14 19 00-0164 3/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	125.04	8.48
		For Installation With Adhesive, Deduct	*-9.64*	
		For Oxidized Finish, Add	*13.67*	
		For Polished Finish, Add	*27.34*	
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	173.74	9.83
		For Installation With Adhesive, Deduct	*-12.62*	
		For Oxidized Finish, Add	*20.16*	
		For Polished Finish, Add	*40.33*	
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	236.24	11.86
		For Installation With Adhesive, Deduct	*-16.56*	
		For Oxidized Finish, Add	*28.32*	
		For Polished Finish, Add	*56.63*	
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	317.88	13.56
		For Installation With Adhesive, Deduct	*-21.32*	
		For Oxidized Finish, Add	*39.55*	
		For Polished Finish, Add	*79.09*	
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	429.99	15.25
		For Installation With Adhesive, Deduct	*-27.60*	
		For Oxidized Finish, Add	*55.35*	
		For Polished Finish, Add	*110.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	588.17	17.62
		For Installation With Adhesive, Deduct	*-36.46*	
		For Oxidized Finish, Add	*77.65*	
		For Polished Finish, Add	*155.30*	
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	732.98	20.34
		For Installation With Adhesive, Deduct	*-44.79*	
		For Oxidized Finish, Add	*97.74*	
		For Polished Finish, Add	*195.49*	
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	855.40	24.41
		For Installation With Adhesive, Deduct	*-52.53*	
		For Oxidized Finish, Add	*113.67*	
		For Polished Finish, Add	*227.33*	
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,136.83	27.12
		For Installation With Adhesive, Deduct	*-67.69*	
		For Oxidized Finish, Add	*154.25*	
		For Polished Finish, Add	*308.51*	
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,243.95	30.51
		For Installation With Adhesive, Deduct	*-74.40*	
		For Oxidized Finish, Add	*168.29*	
		For Polished Finish, Add	*336.57*	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,575.12	32.20
		For Installation With Adhesive, Deduct	*-91.64*	
		For Oxidized Finish, Add	*216.95*	
		For Polished Finish, Add	*433.89*	
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,996.26	33.90
		For Installation With Adhesive, Deduct	*-113.37*	
		For Oxidized Finish, Add	*279.10*	
		For Polished Finish, Add	*558.20*	
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	3,006.88	40.68
		For Installation With Adhesive, Deduct	*-166.62*	
		For Oxidized Finish, Add	*426.62*	
		For Polished Finish, Add	*853.25*	

10 14 19 00-0178 Satin Finish, Bronze Characters *(10 14 19 00-0049)*

10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	77.62	8.48
		For Installation With Adhesive, Deduct	*-7.27*	
		For Oxidized Finish, Add	*6.56*	
		For Polished Or Patina Finish, Add	*13.12*	
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	100.22	9.83
		For Installation With Adhesive, Deduct	*-8.94*	
		For Oxidized Finish, Add	*9.14*	
		For Polished Or Patina Finish, Add	*18.27*	
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	138.03	11.86
		For Installation With Adhesive, Deduct	*-11.65*	
		For Oxidized Finish, Add	*13.59*	
		For Polished Or Patina Finish, Add	*27.17*	
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	180.72	13.56
		For Installation With Adhesive, Deduct	*-14.46*	
		For Oxidized Finish, Add	*18.97*	
		For Polished Or Patina Finish, Add	*37.94*	
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	231.22	15.25
		For Installation With Adhesive, Deduct	*-17.66*	
		For Oxidized Finish, Add	*25.53*	
		For Polished Or Patina Finish, Add	*51.06*	
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	292.25	17.62
		For Installation With Adhesive, Deduct	*-21.66*	
		For Oxidized Finish, Add	*33.26*	
		For Polished Or Patina Finish, Add	*66.52*	
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	365.55	20.34
		For Installation With Adhesive, Deduct	*-26.41*	
		For Oxidized Finish, Add	*42.63*	
		For Polished Or Patina Finish, Add	*85.26*	
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	453.65	24.41
		For Installation With Adhesive, Deduct	*-32.45*	
		For Oxidized Finish, Add	*53.40*	
		For Polished Or Patina Finish, Add	*106.81*	
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	542.57	27.12
		For Installation With Adhesive, Deduct	*-37.98*	
		For Oxidized Finish, Add	*65.11*	
		For Polished Or Patina Finish, Add	*130.23*	
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	643.57	30.51
		For Installation With Adhesive, Deduct	*-44.38*	
		For Oxidized Finish, Add	*78.23*	
		For Polished Or Patina Finish, Add	*156.46*	
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	750.29	32.20
		For Installation With Adhesive, Deduct	*-50.40*	
		For Oxidized Finish, Add	*93.22*	
		For Polished Or Patina Finish, Add	*186.44*	
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	867.93	33.90
		For Installation With Adhesive, Deduct	*-56.96*	
		For Oxidized Finish, Add	*109.85*	
		For Polished Or Patina Finish, Add	*219.70*	
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,315.09	40.68
		For Installation With Adhesive, Deduct	*-82.03*	
		For Oxidized Finish, Add	*172.86*	
		For Polished Or Patina Finish, Add	*345.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0193		**3/8" Deep, Satin Finish, Bronze Characters** *(10 14 19 00-0178)*		
10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	91.61	8.48
		For Installation With Adhesive, Deduct	*-7.97*	
		For Oxidized Finish, Add	*8.66*	
		For Polished Or Patina Finish, Add	*17.31*	
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	119.10	9.83
		For Installation With Adhesive, Deduct	*-9.89*	
		For Oxidized Finish, Add	*11.97*	
		For Polished Or Patina Finish, Add	*23.93*	
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	172.44	11.86
		For Installation With Adhesive, Deduct	*-13.37*	
		For Oxidized Finish, Add	*18.75*	
		For Polished Or Patina Finish, Add	*37.49*	
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	227.52	13.56
		For Installation With Adhesive, Deduct	*-16.80*	
		For Oxidized Finish, Add	*25.99*	
		For Polished Or Patina Finish, Add	*51.98*	
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	307.81	15.25
		For Installation With Adhesive, Deduct	*-21.49*	
		For Oxidized Finish, Add	*37.02*	
		For Polished Or Patina Finish, Add	*74.04*	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	389.81	17.62
		For Installation With Adhesive, Deduct	*-26.54*	
		For Oxidized Finish, Add	*47.89*	
		For Polished Or Patina Finish, Add	*95.79*	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	487.75	20.34
		For Installation With Adhesive, Deduct	*-32.52*	
		For Oxidized Finish, Add	*60.96*	
		For Polished Or Patina Finish, Add	*121.92*	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	603.17	24.41
		For Installation With Adhesive, Deduct	*-39.92*	
		For Oxidized Finish, Add	*75.83*	
		For Polished Or Patina Finish, Add	*151.66*	
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	729.23	27.12
		For Installation With Adhesive, Deduct	*-47.31*	
		For Oxidized Finish, Add	*93.11*	
		For Polished Or Patina Finish, Add	*186.23*	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	867.83	30.51
		For Installation With Adhesive, Deduct	*-55.60*	
		For Oxidized Finish, Add	*111.87*	
		For Polished Or Patina Finish, Add	*223.74*	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,017.52	32.20
		For Installation With Adhesive, Deduct	*-63.76*	
		For Oxidized Finish, Add	*133.31*	
		For Polished Or Patina Finish, Add	*266.61*	
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,153.54	33.90
		For Installation With Adhesive, Deduct	*-71.24*	
		For Oxidized Finish, Add	*152.69*	
		For Polished Or Patina Finish, Add	*305.38*	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,580.13	40.68
		For Installation With Adhesive, Deduct	*-95.28*	
		For Oxidized Finish, Add	*212.61*	
		For Polished Or Patina Finish, Add	*425.22*	
10 14 19 00-0207		**1/2" Deep, Satin Finish, Bronze Characters** *(10 14 19 00-0178)*		
10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	94.67	8.48
		For Installation With Adhesive, Deduct	*-8.12*	
		For Oxidized Finish, Add	*9.12*	
		For Polished Or Patina Finish, Add	*18.23*	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	141.02	9.83
		For Installation With Adhesive, Deduct	*-10.98*	
		For Oxidized Finish, Add	*15.26*	
		For Polished Or Patina Finish, Add	*30.51*	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	200.52	11.86
		For Installation With Adhesive, Deduct	*-14.77*	
		For Oxidized Finish, Add	*22.96*	
		For Polished Or Patina Finish, Add	*45.92*	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	275.58	13.56
		For Installation With Adhesive, Deduct	*-19.20*	
		For Oxidized Finish, Add	*33.20*	
		For Polished Or Patina Finish, Add	*66.40*	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	375.89	15.25
		For Installation With Adhesive, Deduct	*-24.90*	
		For Oxidized Finish, Add	*47.23*	
		For Polished Or Patina Finish, Add	*94.46*	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	511.76	17.62
		For Installation With Adhesive, Deduct	*-32.64*	
		For Oxidized Finish, Add	*66.19*	
		For Polished Or Patina Finish, Add	*132.37*	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	663.94	20.34
		For Installation With Adhesive, Deduct	*-41.33*	
		For Oxidized Finish, Add	*87.39*	
		For Polished Or Patina Finish, Add	*174.77*	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	831.02	24.41
		For Installation With Adhesive, Deduct	*-51.31*	
		For Oxidized Finish, Add	*110.01*	
		For Polished Or Patina Finish, Add	*220.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,020.07	27.12
		For Installation With Adhesive, Deduct	*-61.85*	
		For Oxidized Finish, Add	*136.74*	
		For Polished Or Patina Finish, Add	*273.48*	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,222.47	30.51
		For Installation With Adhesive, Deduct	*-73.33*	
		For Oxidized Finish, Add	*165.06*	
		For Polished Or Patina Finish, Add	*330.13*	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,446.33	32.20
		For Installation With Adhesive, Deduct	*-85.20*	
		For Oxidized Finish, Add	*197.63*	
		For Polished Or Patina Finish, Add	*395.25*	
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,680.82	33.90
		For Installation With Adhesive, Deduct	*-97.60*	
		For Oxidized Finish, Add	*231.78*	
		For Polished Or Patina Finish, Add	*463.57*	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	2,352.21	40.68
		For Installation With Adhesive, Deduct	*-133.88*	
		For Oxidized Finish, Add	*328.42*	
		For Polished Or Patina Finish, Add	*656.85*	

10 14 19 00-0221 Satin Finish, Copper Characters *(10 14 19 00-0049)*

10 14 19 00-0222 1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	70.35	8.48
		For Installation With Adhesive, Deduct	*-6.91*	
		For Polished Finish, Add	*10.94*	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	91.40	9.83
		For Installation With Adhesive, Deduct	*-8.50*	
		For Polished Finish, Add	*15.62*	
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	128.18	11.86
		For Installation With Adhesive, Deduct	*-11.16*	
		For Polished Finish, Add	*24.22*	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	168.81	13.56
		For Installation With Adhesive, Deduct	*-13.86*	
		For Polished Finish, Add	*34.37*	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	213.35	15.25
		For Installation With Adhesive, Deduct	*-16.77*	
		For Polished Finish, Add	*45.70*	
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	271.02	17.62
		For Installation With Adhesive, Deduct	*-20.60*	
		For Polished Finish, Add	*60.15*	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	339.14	20.34
		For Installation With Adhesive, Deduct	*-25.09*	
		For Polished Finish, Add	*77.33*	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	417.91	24.41
		For Installation With Adhesive, Deduct	*-30.66*	
		For Polished Finish, Add	*96.08*	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	500.36	27.12
		For Installation With Adhesive, Deduct	*-35.87*	
		For Polished Finish, Add	*117.56*	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	592.04	30.51
		For Installation With Adhesive, Deduct	*-41.81*	
		For Polished Finish, Add	*141.00*	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	689.97	32.20
		For Installation With Adhesive, Deduct	*-47.38*	
		For Polished Finish, Add	*168.35*	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	795.68	33.90
		For Installation With Adhesive, Deduct	*-53.34*	
		For Polished Finish, Add	*198.02*	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,139.80	40.68
		For Installation With Adhesive, Deduct	*-73.26*	
		For Polished Finish, Add	*293.12*	

10 14 19 00-0236 3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	79.47	8.48
		For Installation With Adhesive, Deduct	*-7.36*	
		For Polished Finish, Add	*13.67*	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	107.02	9.83
		For Installation With Adhesive, Deduct	*-9.28*	
		For Polished Finish, Add	*20.31*	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	156.43	11.86
		For Installation With Adhesive, Deduct	*-12.57*	
		For Polished Finish, Add	*32.69*	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	214.64	13.56
		For Installation With Adhesive, Deduct	*-16.16*	
		For Polished Finish, Add	*48.12*	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	289.51	15.25
		For Installation With Adhesive, Deduct	*-20.58*	
		For Polished Finish, Add	*68.55*	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	361.24	17.62
		For Installation With Adhesive, Deduct	*-25.11*	
		For Polished Finish, Add	*87.22*	
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	455.15	20.34
		For Installation With Adhesive, Deduct	*-30.89*	
		For Polished Finish, Add	*112.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	562.03	24.41
		For Installation With Adhesive, Deduct	*-37.86*	
		For Polished Finish, Add	*139.32*	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	676.71	27.12
		For Installation With Adhesive, Deduct	*-44.68*	
		For Polished Finish, Add	*170.47*	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	803.54	30.51
		For Installation With Adhesive, Deduct	*-52.38*	
		For Polished Finish, Add	*204.45*	
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	942.49	32.20
		For Installation With Adhesive, Deduct	*-60.01*	
		For Polished Finish, Add	*244.10*	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,059.72	33.90
		For Installation With Adhesive, Deduct	*-66.55*	
		For Polished Finish, Add	*277.24*	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,481.77	40.68
		For Installation With Adhesive, Deduct	*-90.36*	
		For Polished Finish, Add	*395.72*	

10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	67.46	8.48
		For Installation With Adhesive, Deduct	*-6.76*	
		For Polished Finish, Add	*10.07*	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	87.98	9.83
		For Installation With Adhesive, Deduct	*-8.33*	
		For Polished Finish, Add	*14.60*	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	112.89	11.86
		For Installation With Adhesive, Deduct	*-10.39*	
		For Polished Finish, Add	*19.63*	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	144.84	13.56
		For Installation With Adhesive, Deduct	*-12.67*	
		For Polished Finish, Add	*27.18*	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	176.79	15.25
		For Installation With Adhesive, Deduct	*-14.94*	
		For Polished Finish, Add	*34.73*	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	216.49	17.62
		For Installation With Adhesive, Deduct	*-17.88*	
		For Polished Finish, Add	*43.79*	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	259.21	20.34
		For Installation With Adhesive, Deduct	*-21.10*	
		For Polished Finish, Add	*53.36*	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	310.71	24.41
		For Installation With Adhesive, Deduct	*-25.30*	
		For Polished Finish, Add	*63.92*	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	361.83	27.12
		For Installation With Adhesive, Deduct	*-28.94*	
		For Polished Finish, Add	*76.01*	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	422.37	30.51
		For Installation With Adhesive, Deduct	*-33.32*	
		For Polished Finish, Add	*90.10*	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	489.55	32.20
		For Installation With Adhesive, Deduct	*-37.36*	
		For Polished Finish, Add	*108.22*	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	558.41	33.90
		For Installation With Adhesive, Deduct	*-41.48*	
		For Polished Finish, Add	*126.84*	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	763.37	40.68
		For Installation With Adhesive, Deduct	*-54.44*	
		For Polished Finish, Add	*180.20*	

10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	79.20	8.48
		For Installation With Adhesive, Deduct	*-7.35*	
		For Polished Finish, Add	*13.59*	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	105.01	9.83
		For Installation With Adhesive, Deduct	*-9.18*	
		For Polished Finish, Add	*19.71*	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	134.49	11.86
		For Installation With Adhesive, Deduct	*-11.47*	
		For Polished Finish, Add	*26.11*	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	171.12	13.56
		For Installation With Adhesive, Deduct	*-13.98*	
		For Polished Finish, Add	*35.06*	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	210.36	15.25
		For Installation With Adhesive, Deduct	*-16.62*	
		For Polished Finish, Add	*44.80*	
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	258.82	17.62
		For Installation With Adhesive, Deduct	*-19.99*	
		For Polished Finish, Add	*56.49*	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	310.78	20.34
		For Installation With Adhesive, Deduct	*-23.68*	
		For Polished Finish, Add	*68.83*	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	372.50	24.41
		For Installation With Adhesive, Deduct	*-28.39*	
		For Polished Finish, Add	*82.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	432.77	27.12
		For Installation With Adhesive, Deduct	*-32.49*	
		For Polished Finish, Add	*97.29*	
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	506.46	30.51
		For Installation With Adhesive, Deduct	*-37.53*	
		For Polished Finish, Add	*115.33*	
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	568.91	32.20
		For Installation With Adhesive, Deduct	*-41.33*	
		For Polished Finish, Add	*132.03*	
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	651.42	33.90
		For Installation With Adhesive, Deduct	*-46.13*	
		For Polished Finish, Add	*154.75*	
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	895.52	40.68
		For Installation With Adhesive, Deduct	*-61.05*	
		For Polished Finish, Add	*219.84*	

10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	94.30	8.48
		For Installation With Adhesive, Deduct	*-8.11*	
		For Polished Finish, Add	*18.12*	
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	126.90	9.83
		For Installation With Adhesive, Deduct	*-10.28*	
		For Polished Finish, Add	*26.27*	
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	163.28	11.86
		For Installation With Adhesive, Deduct	*-12.91*	
		For Polished Finish, Add	*34.75*	
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	213.70	13.56
		For Installation With Adhesive, Deduct	*-16.11*	
		For Polished Finish, Add	*47.84*	
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	264.77	15.25
		For Installation With Adhesive, Deduct	*-19.34*	
		For Polished Finish, Add	*61.13*	
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	327.42	17.62
		For Installation With Adhesive, Deduct	*-23.42*	
		For Polished Finish, Add	*77.07*	
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	394.37	20.34
		For Installation With Adhesive, Deduct	*-27.85*	
		For Polished Finish, Add	*93.90*	
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	472.65	24.41
		For Installation With Adhesive, Deduct	*-33.40*	
		For Polished Finish, Add	*112.51*	
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	561.97	27.12
		For Installation With Adhesive, Deduct	*-38.95*	
		For Polished Finish, Add	*136.05*	
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	659.62	30.51
		For Installation With Adhesive, Deduct	*-45.19*	
		For Polished Finish, Add	*161.27*	
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	738.45	32.20
		For Installation With Adhesive, Deduct	*-49.80*	
		For Polished Finish, Add	*182.89*	
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	850.14	33.90
		For Installation With Adhesive, Deduct	*-56.07*	
		For Polished Finish, Add	*214.36*	
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	1,177.82	40.68
		For Installation With Adhesive, Deduct	*-75.16*	
		For Polished Finish, Add	*304.53*	

10 14 23 Panel Signage *(10 14)*

10 14 23 11 Panel Signage *(10 14 23)*

10 14 23 11-0001 Indoor/Outdoor Signs *(10 14 23 11)*

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	41.10	11.55
		For >25 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-4.50*	
		For >100, Deduct	*-5.40*	
		For Clear Glass Mount, Add	*14.40*	
		For Glow-In-Dark, Add	*36.00*	
		For Reflective Finish, Add	*40.50*	
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	53.96	11.55
		For >25 To 50, Deduct	*-3.09*	
		For >50 To 100, Deduct	*-7.72*	
		For >100, Deduct	*-9.26*	
		For Clear Glass Mount, Add	*24.69*	
		For Glow-In-Dark, Add	*61.72*	
		For Reflective Finish, Add	*69.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	74.52	11.55
		For >25 To 50, Deduct	*-5.14*	
		For >50 To 100, Deduct	*-12.86*	
		For >100, Deduct	*-15.43*	
		For Clear Glass Mount, Add	*41.14*	
		For Glow-In-Dark, Add	*102.84*	
		For Reflective Finish, Add	*115.70*	
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	100.24	11.55
		For >25 To 50, Deduct	*-7.71*	
		For >50 To 100, Deduct	*-19.29*	
		For >100, Deduct	*-23.14*	
		For Clear Glass Mount, Add	*61.71*	
		For Glow-In-Dark, Add	*154.28*	
		For Reflective Finish, Add	*173.57*	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	146.52	11.55
		For >25 To 50, Deduct	*-12.34*	
		For >50 To 100, Deduct	*-30.86*	
		For >100, Deduct	*-37.03*	
		For Clear Glass Mount, Add	*98.74*	
		For Glow-In-Dark, Add	*246.84*	
		For Reflective Finish, Add	*277.70*	
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	228.80	11.55
		For >25 To 50, Deduct	*-20.57*	
		For >50 To 100, Deduct	*-51.43*	
		For >100, Deduct	*-61.71*	
		For Clear Glass Mount, Add	*164.56*	
		For Glow-In-Dark, Add	*411.40*	
		For Reflective Finish, Add	*462.83*	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	331.65	11.55
		For >25 To 50, Deduct	*-30.86*	
		For >50 To 100, Deduct	*-77.14*	
		For >100, Deduct	*-92.57*	
		For Clear Glass Mount, Add	*246.84*	
		For Glow-In-Dark, Add	*617.10*	
		For Reflective Finish, Add	*694.24*	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.36	0.01
		For Clear Glass Mount, Add	*0.27*	
		For Glow-In-Dark, Add	*0.68*	
		For Reflective Finish, Add	*0.77*	

10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	46.24	11.55
		For >25 To 50, Deduct	*-2.31*	
		For >50 To 100, Deduct	*-5.79*	
		For >100, Deduct	*-6.94*	
		For Glow-In-Dark, Add	*46.28*	
		For Reflective Finish, Add	*49.75*	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	59.10	11.55
		For >25 To 50, Deduct	*-3.60*	
		For >50 To 100, Deduct	*-9.00*	
		For >100, Deduct	*-10.80*	
		For Glow-In-Dark, Add	*72.00*	
		For Reflective Finish, Add	*77.40*	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	84.81	11.55
		For >25 To 50, Deduct	*-6.17*	
		For >50 To 100, Deduct	*-15.43*	
		For >100, Deduct	*-18.51*	
		For Glow-In-Dark, Add	*123.42*	
		For Reflective Finish, Add	*132.68*	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	110.52	11.55
		For >25 To 50, Deduct	*-8.74*	
		For >50 To 100, Deduct	*-21.86*	
		For >100, Deduct	*-26.23*	
		For Glow-In-Dark, Add	*174.84*	
		For Reflective Finish, Add	*187.95*	
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	149.09	11.55
		For >25 To 50, Deduct	*-12.60*	
		For >50 To 100, Deduct	*-31.50*	
		For >100, Deduct	*-37.80*	
		For Glow-In-Dark, Add	*251.98*	
		For Reflective Finish, Add	*270.88*	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	187.66	11.55
		For >25 To 50, Deduct	*-16.46*	
		For >50 To 100, Deduct	*-41.14*	
		For >100, Deduct	*-49.37*	
		For Glow-In-Dark, Add	*329.12*	
		For Reflective Finish, Add	*353.80*	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	228.80	11.55
		For >25 To 50, Deduct	*-20.57*	
		For >50 To 100, Deduct	*-51.43*	
		For >100, Deduct	*-61.71*	
		For Glow-In-Dark, Add	*411.40*	
		For Reflective Finish, Add	*442.26*	
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.25	0.01
		For Glow-In-Dark, Add	*0.46*	
		For Reflective Finish, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	84.81	11.55
		For >25 To 50, Deduct	*-6.17*	
		For >50 To 100, Deduct	*-15.43*	
		For >100, Deduct	*-18.51*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	100.24	11.55
		For >25 To 50, Deduct	*-7.71*	
		For >50 To 100, Deduct	*-19.29*	
		For >100, Deduct	*-23.14*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	125.95	11.55
		For >25 To 50, Deduct	*-10.29*	
		For >50 To 100, Deduct	*-25.71*	
		For >100, Deduct	*-30.86*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	150.12	11.55
		For >25 To 50, Deduct	*-12.70*	
		For >50 To 100, Deduct	*-31.76*	
		For >100, Deduct	*-38.11*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	1.67	0.12
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	

10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	58.87	11.55
		For >25 To 50, Deduct	*-3.58*	
		For >50 To 100, Deduct	*-8.94*	
		For >100, Deduct	*-10.73*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	70.16	11.55
		For >25 To 50, Deduct	*-4.71*	
		For >50 To 100, Deduct	*-11.77*	
		For >100, Deduct	*-14.12*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	85.22	11.55
		For >25 To 50, Deduct	*-6.21*	
		For >50 To 100, Deduct	*-15.53*	
		For >100, Deduct	*-18.64*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	115.34	11.55
		For >25 To 50, Deduct	*-9.22*	
		For >50 To 100, Deduct	*-23.06*	
		For >100, Deduct	*-27.67*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	1.15	0.12
		For Molded Plastic Frame, Add	*0.20*	

10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	30.63	11.55
		For >25 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.88*	
		For >100, Deduct	*-2.26*	
		For Glow-In-Dark, Add	*4.52*	
		For Reflective Finish, Add	*5.65*	
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	36.28	11.55
		For >25 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-3.30*	
		For >100, Deduct	*-3.95*	
		For Glow-In-Dark, Add	*7.91*	
		For Reflective Finish, Add	*9.89*	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	47.57	11.55
		For >25 To 50, Deduct	*-2.45*	
		For >50 To 100, Deduct	*-6.12*	
		For >100, Deduct	*-7.34*	
		For Glow-In-Dark, Add	*14.68*	
		For Reflective Finish, Add	*18.35*	
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	60.75	11.55
		For >25 To 50, Deduct	*-3.77*	
		For >50 To 100, Deduct	*-9.41*	
		For >100, Deduct	*-11.30*	
		For Glow-In-Dark, Add	*22.59*	
		For Reflective Finish, Add	*28.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	100.28	11.55
		For >25 To 50, Deduct	*-7.72*	
		For >50 To 100, Deduct	*-19.30*	
		For >100, Deduct	*-23.15*	
		For Glow-In-Dark, Add	*46.31*	
		For Reflective Finish, Add	*57.89*	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	117.22	11.55
		For >25 To 50, Deduct	*-9.41*	
		For >50 To 100, Deduct	*-23.53*	
		For >100, Deduct	*-28.24*	
		For Glow-In-Dark, Add	*56.47*	
		For Reflective Finish, Add	*70.59*	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	139.82	11.55
		For >25 To 50, Deduct	*-11.67*	
		For >50 To 100, Deduct	*-29.18*	
		For >100, Deduct	*-35.02*	
		For Glow-In-Dark, Add	*70.03*	
		For Reflective Finish, Add	*87.54*	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.15	0.01
		For Glow-In-Dark, Add	*0.08*	
		For Reflective Finish, Add	*0.10*	

10 14 23 11-0042 California Title 24, Surface Mount, Signs *(10 14 23 11-0002)*

10 14 23 11-0043 California Title 24, Surface Mount, Geometric Restroom Signs *(10 14 23 11-0042)*

Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.

10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	92.28	11.55
		For >25 To 50, Deduct	*-6.92*	
		For >50 To 100, Deduct	*-10.38*	
		For >100, Deduct	*-11.76*	
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	92.28	11.55
		For >25 To 50, Deduct	*-6.92*	
		For >50 To 100, Deduct	*-10.38*	
		For >100, Deduct	*-11.76*	
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.	119.95	11.55
		For >25 To 50, Deduct	*-9.69*	
		For >50 To 100, Deduct	*-14.53*	
		For >100, Deduct	*-16.46*	

10 14 23 11-0047 California Title 24, Surface Mount, Stairwell Signs *(10 14 23 11-0042)*

Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.

10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	179.25	11.55
		For >25 To 50, Deduct	*-15.62*	
		For >50 To 100, Deduct	*-23.42*	
		For >100, Deduct	*-26.55*	

10 14 23 11-0049 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0050 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0049)*

10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	42.68	16.16
		For >25 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-3.11*	
		For Glow-In-Dark, Add	*6.21*	
		For Reflective Finish, Add	*7.76*	
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	51.15	16.16
		For >25 To 50, Deduct	*-1.88*	
		For >50 To 100, Deduct	*-4.71*	
		For >100, Deduct	*-5.65*	
		For Glow-In-Dark, Add	*11.29*	
		For Reflective Finish, Add	*14.12*	
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	62.45	16.16
		For >25 To 50, Deduct	*-3.01*	
		For >50 To 100, Deduct	*-7.53*	
		For >100, Deduct	*-9.04*	
		For Glow-In-Dark, Add	*18.07*	
		For Reflective Finish, Add	*22.59*	
10 14 23 11-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	79.39	16.16
		For >25 To 50, Deduct	*-4.71*	
		For >50 To 100, Deduct	*-11.77*	
		For >100, Deduct	*-14.12*	
		For Glow-In-Dark, Add	*28.24*	
		For Reflective Finish, Add	*35.30*	

10 14 23 11-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0055)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	43.63	16.16
		For >25 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.83*	
		For >100, Deduct	*-3.39*	
		For Glow-In-Dark, Add	*6.78*	
		For Reflective Finish, Add	*8.48*	
10 14 23 11-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	53.04	16.16
		For >25 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-5.18*	
		For >100, Deduct	*-6.21*	
		For Glow-In-Dark, Add	*12.43*	
		For Reflective Finish, Add	*15.53*	
10 14 23 11-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	73.75	16.16
		For >25 To 50, Deduct	*-4.14*	
		For >50 To 100, Deduct	*-10.36*	
		For >100, Deduct	*-12.43*	
		For Glow-In-Dark, Add	*24.85*	
		For Reflective Finish, Add	*31.07*	
10 14 23 11-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	81.27	16.16
		For >25 To 50, Deduct	*-4.89*	
		For >50 To 100, Deduct	*-12.24*	
		For >100, Deduct	*-14.68*	
		For Glow-In-Dark, Add	*29.36*	
		For Reflective Finish, Add	*36.71*	

10 14 23 11-0061 Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0061)*

10 14 23 11-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	46.45	16.16
		For >25 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-3.53*	
		For >100, Deduct	*-4.24*	
		For Glow-In-Dark, Add	*8.47*	
		For Reflective Finish, Add	*10.59*	
10 14 23 11-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	60.57	16.16
		For >25 To 50, Deduct	*-2.82*	
		For >50 To 100, Deduct	*-7.06*	
		For >100, Deduct	*-8.47*	
		For Glow-In-Dark, Add	*16.94*	
		For Reflective Finish, Add	*21.18*	
10 14 23 11-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	66.21	16.16
		For >25 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-8.47*	
		For >100, Deduct	*-10.16*	
		For Glow-In-Dark, Add	*20.33*	
		For Reflective Finish, Add	*25.41*	
10 14 23 11-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	73.75	16.16
		For >25 To 50, Deduct	*-4.14*	
		For >50 To 100, Deduct	*-10.36*	
		For >100, Deduct	*-12.43*	
		For Glow-In-Dark, Add	*24.85*	
		For Reflective Finish, Add	*31.07*	

10 14 23 11-0067 Adhesive Backed Vinyl Characters *(10 14 23 11)*

Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.

10 14 23 11-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.17	0.92
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.55*	
10 14 23 11-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.29	1.06
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.58*	
10 14 23 11-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.41	1.20
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.61*	
10 14 23 11-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.52	1.38
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.77*	
10 14 23 11-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.69	1.62
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.81*	
10 14 23 11-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.67	1.85
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.19*	
10 14 23 11-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.17	2.08
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.31*	
10 14 23 11-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	9.66	2.31
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.81*	
10 14 23 11-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	11.70	2.54
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.32*	
10 14 23 11-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	15.02	2.77
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*3.03*	

10 14 23 11-0078 Standoffs For Wall Signage *(10 14 23 11)*

Note: Excludes signage

10 14 23 11-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	18.22	6.78
10 14 23 11-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	18.82	6.78
10 14 23 11-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	18.97	6.78
10 14 23 11-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	19.95	6.78
10 14 23 11-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	20.55	6.78
10 14 23 11-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	21.75	6.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	21.53	8.13
10 14 23 11-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	23.19	8.13
10 14 23 11-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	24.54	8.13
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	25.90	8.13
10 14 23 11-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	27.85	8.13
10 14 23 11-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	30.26	8.13
10 14 23 11-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	20.40	6.78
10 14 23 11-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	20.85	6.78
10 14 23 11-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	22.89	8.13
10 14 23 11-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	23.34	8.13
10 14 23 11-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	25.30	8.13
10 14 23 11-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	25.60	8.13

10 14 23 11-0097 Removal And Reinstallation Of Building Signage *(10 14 23 11)*
Note: Includes storage, cleaning and supply materials.

10 14 23 11-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	237.39	
10 14 23 11-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	272.64	
10 14 23 11-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	306.55	
10 14 23 11-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	69.28	

10 14 23 11-0102 Building Sign *(10 14 23 11)*
Note: Includes 4" numbers painted on sign. Installed on building.

10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers	186.79	27.71
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	50.65	9.49
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	38.60	8.82
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	36.84	7.46
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	42.69	8.14
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	46.85	8.82
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	55.52	9.49

10 14 23 11-0110 Custom Acrylic Signage (Takeform; Fusion) *(10 14 23 11)*

10 14 23 11-0111	EA	Type B: F04C-W1 Directional, 11" x 21.45" Acrylic, Surface Mount Signage Note: Accommodates inserts.	523.80	23.10
10 14 23 11-0112	EA	Type B: F53C-W1 Directional, 11" x 21.45" Acrylic, Surface Mount Signage Note: Accommodates inserts.	733.84	23.10
10 14 23 11-0113	EA	Inserts for Type B: Directional Signage	54.36	
10 14 23 11-0114	EA	Type D: F04B-R1 Evacuation, 8.5" x 18.2" Acrylic, Surface Mount Signage Note: Accommodates inserts.	414.53	18.47
10 14 23 11-0115	EA	Type D: F53B-R1 Evacuation, 8.5" x 18.2" Acrylic, Surface Mount Signage Note: Accommodates inserts.	564.57	18.47
10 14 23 11-0116	EA	Inserts for Type D: Evacuation Map Signage	30.44	
10 14 23 11-0117	EA	Type E: F04B-BB-K2 Stairs ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage	344.09	12.01
10 14 23 11-0118	EA	Type E: F53BB3-BC2 Stairs ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage	321.59	12.01
10 14 23 11-0119	EA	Type E.2: F04B-BB-K2 Restroom ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage	344.09	12.01
10 14 23 11-0120	EA	Type E.2: F53BB3-BC2 Restroom ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage	321.59	12.01
10 14 23 11-0121	EA	Type H: F04B-D1 Office ID, 8.5" x 6.4" Acrylic, Surface Mount Signage Note: Accommodates inserts.	275.66	11.55
10 14 23 11-0122	EA	Type H: F53B-D1 Office ID, 8.5" x 6.4" Acrylic, Surface Mount Signage Note: Accommodates inserts.	325.67	11.55
10 14 23 11-0123	EA	Inserts for Type H Signage	16.70	
10 14 23 11-0124	EA	Type I: F04B-G1 Large Office ID, 8.5" x 9.68" Acrylic, Surface Mount Signage Note: Accommodates inserts.	313.16	11.55
10 14 23 11-0125	EA	Type I: F53B-G1 Large Office ID, 8.5" x 9.68" Acrylic, Surface Mount Signage Note: Accommodates inserts.	388.18	11.55
10 14 23 11-0126	EA	Inserts for Type I Signage	26.09	
10 14 23 11-0127	EA	Type L: Workstation ID, 8.5" x 3.0" Acrylic, Surface Mount Signage Note: Accommodates inserts.	92.68	11.55
10 14 23 11-0128	EA	Inserts for Type L Signage	20.87	

10 14 43 Photoluminescent Signage *(10 14)*

10 14 43 00-0001 Photoluminescent Illuminated Signage *(10 14 43)*

10 14 43 00-0002	EA	4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	62.24	11.55
		For >25 To 50, Deduct	*-3.91*	
		For >50 To 100, Deduct	*-9.79*	
		For >100, Deduct	*-11.74*	
10 14 43 00-0003	EA	4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	68.61	11.55
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.38*	
		For >100, Deduct	*-13.65*	
10 14 43 00-0004	EA	8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	77.35	11.55
		For >25 To 50, Deduct	*-5.43*	
		For >50 To 100, Deduct	*-13.56*	
		For >100, Deduct	*-16.28*	

10 14 53 Traffic Signage *(10 14)*

10 14 53 11 Traffic Signage *(10 14 53)*

10 14 53 11-0001 Traffic Signs *(10 14 53 11)*

10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0001)*
Note: Excludes posts.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0003		**Aluminum Engineer Grade Stop Signs** *(10 14 53 11-0002)*		
10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	83.91	20.79
		For Hi-Intensity Grade, Add	*12.70*	
		For Diamond Grade, Add	*24.13*	
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	99.25	21.98
		For Hi-Intensity Grade, Add	*16.61*	
		For Diamond Grade, Add	*31.56*	
10 14 53 11-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	108.08	23.10
		For Hi-Intensity Grade, Add	*25.37*	
		For Diamond Grade, Add	*40.22*	
10 14 53 11-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	127.76	24.29
		For Hi-Intensity Grade, Add	*9.51*	
		For Diamond Grade, Add	*51.51*	
10 14 53 11-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	177.82	25.41
		For Hi-Intensity Grade, Add	*27.94*	
		For Diamond Grade, Add	*87.64*	
10 14 53 11-0009		**Steel Engineer Grade Stop Signs** *(10 14 53 11-0002)*		
10 14 53 11-0010	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade	131.36	20.79
10 14 53 11-0011	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade	166.20	21.98
10 14 53 11-0012	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade	176.45	23.10
10 14 53 11-0013	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade	255.72	24.29
10 14 53 11-0014	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade	327.12	25.41
10 14 53 11-0015		**Polyethylene Engineer Grade Stop Signs** *(10 14 53 11-0002)*		
10 14 53 11-0016	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	134.69	20.79
10 14 53 11-0017	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	174.72	21.98
10 14 53 11-0018	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	193.23	23.10
10 14 53 11-0019	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	256.49	24.29
10 14 53 11-0020		**Other Reflectorized Traffic Signs** *(10 14 53 11-0002)*		
		Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0021		**Aluminum Engineer Grade Traffic Signs** *(10 14 53 11-0020)*		
10 14 53 11-0022	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	47.45	18.47
		For Hi-Intensity Grade, Add	*3.15*	
		For Diamond Grade, Add	*5.98*	
10 14 53 11-0023	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	52.69	18.47
		For Hi-Intensity Grade, Add	*4.72*	
		For Diamond Grade, Add	*8.97*	
10 14 53 11-0024	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	52.69	18.47
		For Hi-Intensity Grade, Add	*4.72*	
		For Diamond Grade, Add	*8.97*	
10 14 53 11-0025	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	56.62	18.47
		For Hi-Intensity Grade, Add	*5.90*	
		For Diamond Grade, Add	*11.21*	
10 14 53 11-0026	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	60.56	18.47
		For Hi-Intensity Grade, Add	*7.08*	
		For Diamond Grade, Add	*13.45*	
10 14 53 11-0027	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	70.72	19.63
		For Hi-Intensity Grade, Add	*9.44*	
		For Diamond Grade, Add	*17.93*	
10 14 53 11-0028	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	102.19	19.63
		For Hi-Intensity Grade, Add	*18.88*	
		For Diamond Grade, Add	*35.87*	
10 14 53 11-0029	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	57.94	18.47
		For Hi-Intensity Grade, Add	*6.29*	
		For Diamond Grade, Add	*11.96*	
10 14 53 11-0030	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	70.72	19.63
		For Hi-Intensity Grade, Add	*9.44*	
		For Diamond Grade, Add	*17.93*	
10 14 53 11-0031	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	81.21	19.63
		For Hi-Intensity Grade, Add	*12.59*	
		For Diamond Grade, Add	*23.91*	
10 14 53 11-0032	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	91.70	19.63
		For Hi-Intensity Grade, Add	*15.73*	
		For Diamond Grade, Add	*29.89*	
10 14 53 11-0033	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	102.19	19.63
		For Hi-Intensity Grade, Add	*18.88*	
		For Diamond Grade, Add	*35.87*	
10 14 53 11-0034	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	86.46	19.63
		For Hi-Intensity Grade, Add	*14.16*	
		For Diamond Grade, Add	*26.90*	
10 14 53 11-0035	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	102.19	19.63
		For Hi-Intensity Grade, Add	*18.88*	
		For Diamond Grade, Add	*35.87*	
10 14 53 11-0036	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	120.23	20.79
		For Hi-Intensity Grade, Add	*23.60*	
		For Diamond Grade, Add	*44.84*	
10 14 53 11-0037	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	135.96	20.79
		For Hi-Intensity Grade, Add	*28.32*	
		For Diamond Grade, Add	*53.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0038	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	176.67	25.41
		For Hi-Intensity Grade, Add	*37.76*	
		For Diamond Grade, Add	*71.74*	
10 14 53 11-0039	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	192.40	25.41
		For Hi-Intensity Grade, Add	*42.48*	
		For Diamond Grade, Add	*80.71*	
10 14 53 11-0040	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	125.47	20.79
		For Hi-Intensity Grade, Add	*25.17*	
		For Diamond Grade, Add	*47.82*	
10 14 53 11-0041	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	146.45	20.79
		For Hi-Intensity Grade, Add	*31.46*	
		For Diamond Grade, Add	*59.78*	
10 14 53 11-0042	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	167.43	20.79
		For Hi-Intensity Grade, Add	*37.76*	
		For Diamond Grade, Add	*71.74*	
10 14 53 11-0043	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	197.64	25.41
		For Hi-Intensity Grade, Add	*44.05*	
		For Diamond Grade, Add	*83.69*	
10 14 53 11-0044	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	218.62	25.41
		For Hi-Intensity Grade, Add	*50.34*	
		For Diamond Grade, Add	*95.65*	
10 14 53 11-0045	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	239.59	25.41
		For Hi-Intensity Grade, Add	*56.63*	
		For Diamond Grade, Add	*107.60*	
10 14 53 11-0046	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	260.57	25.41
		For Hi-Intensity Grade, Add	*62.93*	
		For Diamond Grade, Add	*119.56*	
10 14 53 11-0047	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	172.67	20.79
		For Hi-Intensity Grade, Add	*39.33*	
		For Diamond Grade, Add	*74.73*	
10 14 53 11-0048	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	208.13	25.41
		For Hi-Intensity Grade, Add	*47.20*	
		For Diamond Grade, Add	*89.67*	
10 14 53 11-0049	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	234.35	25.41
		For Hi-Intensity Grade, Add	*55.06*	
		For Diamond Grade, Add	*104.62*	
10 14 53 11-0050	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	269.81	30.02
		For Hi-Intensity Grade, Add	*62.93*	
		For Diamond Grade, Add	*119.56*	
10 14 53 11-0051	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	331.49	34.65
		For Hi-Intensity Grade, Add	*78.66*	
		For Diamond Grade, Add	*149.45*	
10 14 53 11-0052	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	239.59	25.41
		For Hi-Intensity Grade, Add	*56.63*	
		For Diamond Grade, Add	*107.60*	
10 14 53 11-0053	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	280.30	30.02
		For Hi-Intensity Grade, Add	*66.08*	
		For Diamond Grade, Add	*125.54*	
10 14 53 11-0054	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	321.00	34.65
		For Hi-Intensity Grade, Add	*75.51*	
		For Diamond Grade, Add	*143.47*	
10 14 53 11-0055	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	352.47	34.65
		For Hi-Intensity Grade, Add	*84.95*	
		For Diamond Grade, Add	*161.41*	
10 14 53 11-0056	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	393.17	39.26
		For Hi-Intensity Grade, Add	*94.39*	
		For Diamond Grade, Add	*179.34*	
10 14 53 11-0057	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	470.58	43.88
		For Hi-Intensity Grade, Add	*114.84*	
		For Diamond Grade, Add	*218.20*	
10 14 53 11-0058	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	496.80	43.88
		For Hi-Intensity Grade, Add	*122.71*	
		For Diamond Grade, Add	*233.15*	
10 14 53 11-0059	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	667.98	50.81
		For Hi-Intensity Grade, Add	*169.91*	
		For Diamond Grade, Add	*322.82*	
10 14 53 11-0060	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	326.25	34.65
		For Hi-Intensity Grade, Add	*77.09*	
		For Diamond Grade, Add	*146.47*	
10 14 53 11-0061	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	414.15	39.26
		For Hi-Intensity Grade, Add	*100.69*	
		For Diamond Grade, Add	*191.30*	
10 14 53 11-0062	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	465.34	43.88
		For Hi-Intensity Grade, Add	*113.27*	
		For Diamond Grade, Add	*215.21*	
10 14 53 11-0063	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	507.29	43.88
		For Hi-Intensity Grade, Add	*125.86*	
		For Diamond Grade, Add	*239.13*	
10 14 53 11-0064	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	563.10	50.81
		For Hi-Intensity Grade, Add	*138.44*	
		For Diamond Grade, Add	*263.04*	
10 14 53 11-0065	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	605.05	50.81
		For Hi-Intensity Grade, Add	*151.03*	
		For Diamond Grade, Add	*286.95*	
10 14 53 11-0066	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	698.19	55.43
		For Hi-Intensity Grade, Add	*176.20*	
		For Diamond Grade, Add	*334.78*	
10 14 53 11-0067	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	782.09	55.43
		For Hi-Intensity Grade, Add	*201.37*	
		For Diamond Grade, Add	*382.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0068	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	824.04	55.43
		For Hi-Intensity Grade, Add	*213.95*	
		For Diamond Grade, Add	*406.51*	
10 14 53 11-0069	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	870.61	57.74
		For Hi-Intensity Grade, Add	*226.54*	
		For Diamond Grade, Add	*430.42*	
10 14 53 11-0070	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	740.14	55.43
		For Hi-Intensity Grade, Add	*188.78*	
		For Diamond Grade, Add	*358.69*	
10 14 53 11-0071	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	1,658.08	73.91
		For Hi-Intensity Grade, Add	*453.08*	
		For Diamond Grade, Add	*860.85*	
10 14 53 11-0072	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	1,206.23	57.74
		For Hi-Intensity Grade, Add	*327.23*	
		For Diamond Grade, Add	*621.73*	

10 14 53 11-0073 Polyethylene Engineer Grade Traffic Signs *(10 14 53 11-0020)*

10 14 53 11-0074	EA	6" x 12" Reflective Polyethylene Traffic Sign	92.86	17.37
10 14 53 11-0075	EA	12" x 12" Reflective Polyethylene Traffic Sign	106.42	18.47
10 14 53 11-0076	EA	12" x 18" Reflective Polyethylene Traffic Sign	114.03	19.68
10 14 53 11-0077	EA	18" x 18" Reflective Polyethylene Traffic Sign	139.63	20.79
10 14 53 11-0078	EA	18" x 24" Reflective Polyethylene Traffic Sign	174.72	21.98
10 14 53 11-0079	EA	24" x 24" Reflective Polyethylene Traffic Sign	197.53	21.98

10 14 53 11-0080 Non-Reflectorized Traffic Signs *(10 14 53 11-0001)*

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 11-0081 Steel Non-Reflectorized Traffic Signs *(10 14 53 11-0080)*

10 14 53 11-0082	EA	6" x 12" Steel Non-Reflectorized Traffic Sign	45.42	18.47
10 14 53 11-0083	EA	6" x 18" Steel Non-Reflectorized Traffic Sign	49.65	18.47
10 14 53 11-0084	EA	9" x 12" Steel Non-Reflectorized Traffic Sign	49.65	18.47
10 14 53 11-0085	EA	9" x 15" Steel Non-Reflectorized Traffic Sign	52.82	18.47
10 14 53 11-0086	EA	9" x 18" Steel Non-Reflectorized Traffic Sign	55.99	18.47
10 14 53 11-0087	EA	9" x 24" Steel Non-Reflectorized Traffic Sign	64.63	19.63
10 14 53 11-0088	EA	9" x 48" Steel Non-Reflectorized Traffic Sign	90.01	19.63
10 14 53 11-0089	EA	12" x 12" Steel Non-Reflectorized Traffic Sign	53.88	18.47
10 14 53 11-0090	EA	12" x 18" Steel Non-Reflectorized Traffic Sign	64.63	19.63
10 14 53 11-0091	EA	12" x 24" Steel Non-Reflectorized Traffic Sign	73.09	19.63
10 14 53 11-0092	EA	12" x 30" Steel Non-Reflectorized Traffic Sign	81.55	19.63
10 14 53 11-0093	EA	12" x 36" Steel Non-Reflectorized Traffic Sign	90.01	19.63
10 14 53 11-0094	EA	18" x 18" Steel Non-Reflectorized Traffic Sign	77.32	19.63
10 14 53 11-0095	EA	18" x 24" Steel Non-Reflectorized Traffic Sign	90.01	19.63
10 14 53 11-0096	EA	18" x 30" Steel Non-Reflectorized Traffic Sign	105.00	20.79
10 14 53 11-0097	EA	18" x 36" Steel Non-Reflectorized Traffic Sign	117.69	20.79
10 14 53 11-0098	EA	18" x 48" Steel Non-Reflectorized Traffic Sign	152.30	25.41
10 14 53 11-0099	EA	18" x 54" Steel Non-Reflectorized Traffic Sign	164.99	25.41
10 14 53 11-0100	EA	24" x 24" Steel Non-Reflectorized Traffic Sign	109.23	20.79
10 14 53 11-0101	EA	24" x 30" Steel Non-Reflectorized Traffic Sign	126.15	20.79
10 14 53 11-0102	EA	24" x 36" Steel Non-Reflectorized Traffic Sign	143.06	20.79
10 14 53 11-0103	EA	24" x 42" Steel Non-Reflectorized Traffic Sign	169.22	25.41
10 14 53 11-0104	EA	24" x 48" Steel Non-Reflectorized Traffic Sign	186.13	25.41
10 14 53 11-0105	EA	24" x 54" Steel Non-Reflectorized Traffic Sign	203.05	25.41
10 14 53 11-0106	EA	24" x 60" Steel Non-Reflectorized Traffic Sign	219.96	25.41
10 14 53 11-0107	EA	30" x 30" Steel Non-Reflectorized Traffic Sign	147.29	20.79
10 14 53 11-0108	EA	30" x 36" Steel Non-Reflectorized Traffic Sign	177.68	25.41
10 14 53 11-0109	EA	30" x 42" Steel Non-Reflectorized Traffic Sign	198.82	25.41
10 14 53 11-0110	EA	30" x 48" Steel Non-Reflectorized Traffic Sign	229.20	30.02
10 14 53 11-0111	EA	30" x 60" Steel Non-Reflectorized Traffic Sign	280.73	34.65
10 14 53 11-0112	EA	36" x 36" Steel Non-Reflectorized Traffic Sign	203.05	25.41
10 14 53 11-0113	EA	36" x 42" Steel Non-Reflectorized Traffic Sign	237.66	30.02
10 14 53 11-0114	EA	36" x 48" Steel Non-Reflectorized Traffic Sign	272.28	34.65
10 14 53 11-0115	EA	36" x 54" Steel Non-Reflectorized Traffic Sign	297.65	34.65
10 14 53 11-0116	EA	36" x 60" Steel Non-Reflectorized Traffic Sign	332.26	39.26
10 14 53 11-0117	EA	36" x 73" Steel Non-Reflectorized Traffic Sign	396.48	43.88
10 14 53 11-0118	EA	36" x 78" Steel Non-Reflectorized Traffic Sign	417.62	43.88
10 14 53 11-0119	EA	36" x 108" Steel Non-Reflectorized Traffic Sign	558.35	50.81
10 14 53 11-0120	EA	42" x 42" Steel Non-Reflectorized Traffic Sign	276.50	34.65
10 14 53 11-0121	EA	48" x 48" Steel Non-Reflectorized Traffic Sign	349.18	39.26
10 14 53 11-0122	EA	48" x 54" Steel Non-Reflectorized Traffic Sign	392.25	43.88
10 14 53 11-0123	EA	48" x 60" Steel Non-Reflectorized Traffic Sign	426.08	43.88
10 14 53 11-0124	EA	48" x 66" Steel Non-Reflectorized Traffic Sign	473.77	50.81
10 14 53 11-0125	EA	48" x 72" Steel Non-Reflectorized Traffic Sign	507.60	50.81
10 14 53 11-0126	EA	48" x 84" Steel Non-Reflectorized Traffic Sign	584.49	55.43
10 14 53 11-0127	EA	48" x 96" Steel Non-Reflectorized Traffic Sign	652.16	55.43
10 14 53 11-0128	EA	48" x 102" Steel Non-Reflectorized Traffic Sign	685.99	55.43
10 14 53 11-0129	EA	48" x 108" Steel Non-Reflectorized Traffic Sign	724.44	57.74
10 14 53 11-0130	EA	60" x 72" Steel Non-Reflectorized Traffic Sign	618.32	55.43
10 14 53 11-0131	EA	72" x 144" Steel Non-Reflectorized Traffic Sign	1,365.72	73.91
10 14 53 11-0132	EA	78" x 96" Steel Non-Reflectorized Traffic Sign	995.08	57.74

10 14 53 11-0133 Aluminum Non-Reflectorized Traffic Signs *(10 14 53 11-0080)*

10 14 53 11-0134	EA	6" x 12" Aluminum Non-Reflectorized Traffic Sign	45.76	18.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0135	EA	6" x 18" Aluminum Non-Reflectorized Traffic Sign	50.16	18.47
10 14 53 11-0136	EA	9" x 12" Aluminum Non-Reflectorized Traffic Sign	50.16	18.47
10 14 53 11-0137	EA	9" x 15" Aluminum Non-Reflectorized Traffic Sign	53.46	18.47
10 14 53 11-0138	EA	9" x 18" Aluminum Non-Reflectorized Traffic Sign	56.77	18.47
10 14 53 11-0139	EA	9" x 24" Aluminum Non-Reflectorized Traffic Sign	65.67	19.63
10 14 53 11-0140	EA	9" x 48" Aluminum Non-Reflectorized Traffic Sign	92.07	19.63
10 14 53 11-0141	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	54.56	18.47
10 14 53 11-0142	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	65.67	19.63
10 14 53 11-0143	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	74.47	19.63
10 14 53 11-0144	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	83.27	19.63
10 14 53 11-0145	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	92.07	19.63
10 14 53 11-0146	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	78.87	19.63
10 14 53 11-0147	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	92.07	19.63
10 14 53 11-0148	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	107.59	20.79
10 14 53 11-0149	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	120.79	20.79
10 14 53 11-0150	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	156.44	25.41
10 14 53 11-0151	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	169.64	25.41
10 14 53 11-0152	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	111.99	20.79
10 14 53 11-0153	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	129.59	20.79
10 14 53 11-0154	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	147.20	20.79
10 14 53 11-0155	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	174.04	25.41
10 14 53 11-0156	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	191.65	25.41
10 14 53 11-0157	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	209.25	25.41
10 14 53 11-0158	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	226.86	25.41
10 14 53 11-0159	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	151.60	20.79
10 14 53 11-0160	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	182.85	25.41
10 14 53 11-0161	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	204.85	25.41
10 14 53 11-0162	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	236.10	30.02
10 14 53 11-0163	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	289.35	34.65
10 14 53 11-0164	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	209.25	25.41
10 14 53 11-0165	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	244.90	30.02
10 14 53 11-0166	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	280.55	34.65
10 14 53 11-0167	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	306.95	34.65
10 14 53 11-0168	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	342.60	39.26
10 14 53 11-0169	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	409.06	43.88
10 14 53 11-0170	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	431.06	43.88
10 14 53 11-0171	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	576.96	50.81
10 14 53 11-0172	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	284.95	34.65
10 14 53 11-0173	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	360.21	39.26
10 14 53 11-0174	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	404.66	43.88
10 14 53 11-0175	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	439.87	43.88
10 14 53 11-0176	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	488.94	50.81
10 14 53 11-0177	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	524.15	50.81
10 14 53 11-0178	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	603.79	55.43
10 14 53 11-0179	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	674.21	55.43
10 14 53 11-0180	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	709.42	55.43
10 14 53 11-0181	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	749.25	57.74
10 14 53 11-0182	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	639.00	55.43
10 14 53 11-0183	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,415.36	73.91
10 14 53 11-0184	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	1,030.93	57.74

10 14 53 11-0185 Polyethylene Non-Reflectorized Traffic Signs *(10 14 53 11-0080)*

10 14 53 11-0186	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	76.44	17.37
10 14 53 11-0187	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	83.92	18.47
10 14 53 11-0188	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	90.56	19.68
10 14 53 11-0189	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	122.85	20.79
10 14 53 11-0190	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	131.89	21.98
10 14 53 11-0191	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	154.74	23.10

10 14 53 11-0192 Signs For Overhead Sign Structures *(10 14 53 11-0001)*

Note: Including horizontal Z-bars.

10 14 53 11-0193	SF	From 30 To 360 SF Signs For Overhead Sign Structures	25.00	
		For Over 10' High, Add	*13.00*	
10 14 53 11-0194	VLF	Vertical Sign Hangers For Overhead Sign Structures, Per Hanger	32.50	
		Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.		

10 14 53 11-0195 Flashing Beacon *(10 14 53 11-0001)*

10 14 53 11-0196	EA	Flashing Beacon Assembly	1,392.05	207.77

10 14 53 11-0197 Aluminum Street Signs *(10 14 53 11-0001)*

Note: Excludes posts.

10 14 53 11-0198 Aluminum Engineer Grade Street Signs *(10 14 53 11-0197)*

10 14 53 11-0199	EA	6" High, Aluminum Engineer Grade Street Sign	105.21	9.24
		For Diamond Grade, Add	*49.44*	
10 14 53 11-0200	EA	8" High, Aluminum Engineer Grade Street Sign	120.52	9.24
		For Diamond Grade, Add	*58.17*	
10 14 53 11-0201	EA	9" High, Aluminum Engineer Grade Street Sign	131.91	9.24
		For Diamond Grade, Add	*64.66*	

10 14 53 11-0202 Street Sign Accessories *(10 14 53 11-0197)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0203	EA	Single Bracket And Post Cap For Street Sign	30.10	4.62
10 14 53 11-0204	EA	Double Bracket And Post Cap For Street Sign	30.10	4.62
10 14 53 11-0205		**Sign Posts** *(10 14 53 11-0001)* Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 11-0206		**U-Channel Sign Posts** *(10 14 53 11-0205)* Note: Excludes digging and concrete.		
10 14 53 11-0207		**Baked Enamel U-Channel Sign Posts** *(10 14 53 11-0206)*		
10 14 53 11-0208	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	73.96	18.88
10 14 53 11-0209	EA	6' Baked Enamel U-Channel Sign Post	98.11	23.60
10 14 53 11-0210	EA	7' Baked Enamel U-Channel Sign Post	117.02	28.32
10 14 53 11-0211	EA	8' Baked Enamel U-Channel Sign Post	137.12	33.04
10 14 53 11-0212	EA	10' Baked Enamel U-Channel Sign Post	165.23	40.12
10 14 53 11-0213	EA	12' Baked Enamel U-Channel Sign Post	171.03	40.12
10 14 53 11-0214		**Galvanized Steel U-Channel Sign Posts** *(10 14 53 11-0206)*		
10 14 53 11-0215	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	81.42	18.88
10 14 53 11-0216	EA	6' Galvanized Steel U-Channel Sign Post	109.96	23.60
10 14 53 11-0217	EA	7' Galvanized Steel U-Channel Sign Post	143.80	28.32
10 14 53 11-0218	EA	8' Galvanized Steel U-Channel Sign Post	166.72	33.04
10 14 53 11-0219	EA	10' Galvanized Steel U-Channel Sign Post	186.79	40.12
10 14 53 11-0220	EA	12' Galvanized Steel U-Channel Sign Post	189.79	40.12
10 14 53 11-0221		**Fiberglass Or Composite Plastic U-Channel Sign Posts** *(10 14 53 11-0206)*		
10 14 53 11-0222	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	72.20	18.88
10 14 53 11-0223	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	94.29	23.60
10 14 53 11-0224	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	112.40	28.32
10 14 53 11-0225	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	131.61	33.04
10 14 53 11-0226	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	155.24	40.12
10 14 53 11-0227	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	165.11	40.12
10 14 53 11-0228		**Tubular Sign Posts** *(10 14 53 11-0205)* Note: Excludes digging and concrete.		
10 14 53 11-0229		**2-3/8" Diameter, Galvanized Steel Tubular Sign Post** *(10 14 53 11-0228)*		
10 14 53 11-0230	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	111.18	23.60
10 14 53 11-0231	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	131.64	28.32
10 14 53 11-0232	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	155.87	33.04
10 14 53 11-0233	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	202.99	40.12
10 14 53 11-0234	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	223.32	40.12
10 14 53 11-0235		**Square Sign Posts** *(10 14 53 11-0205)* Note: Excludes digging and concrete.		
10 14 53 11-0236		**Galvanized Steel Square Sign Posts** *(10 14 53 11-0235)*		
10 14 53 11-0237	EA	3' To 4' Galvanized Steel Square Sign Post Base	83.08	18.88
10 14 53 11-0238	EA	6' Galvanized Steel Square Sign Post	138.00	23.60
10 14 53 11-0239	EA	7' Galvanized Steel Square Sign Post	161.25	28.32
10 14 53 11-0240	EA	8' Galvanized Steel Square Sign Post	188.08	33.04
10 14 53 11-0241	EA	10' Galvanized Steel Square Sign Post	229.87	40.12
10 14 53 11-0242	EA	12' Galvanized Steel Square Sign Post	244.07	40.12
10 14 53 11-0243		**Other Sign Posts And Bases** *(10 14 53 11-0001)* Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0244		**2.5 Lb./FT Breakaway Sign Posts And Base Posts** *(10 14 53 11-0243)*		
10 14 53 11-0245		**Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts** *(10 14 53 11-0244)*		
10 14 53 11-0246	EA	Base Post for 2.5 Lb./LF Breakaway Sign Post	97.18	23.10
10 14 53 11-0247	EA	Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post	60.22	18.47
10 14 53 11-0248		**Breakaway Sign Posts, 2.5 Lb./LF** *(10 14 53 11-0244)*		
10 14 53 11-0249	LF	2.5 Lb./LF Breakaway Sign Post	12.61	2.31
10 14 53 11-0250		**4 Lb./FT Breakaway Sign Posts And Base Posts** *(10 14 53 11-0243)*		
10 14 53 11-0251		**Base Posts, 4 Lb./LF, For Breakaway Sign Posts** *(10 14 53 11-0250)*		
10 14 53 11-0252	EA	Base Post For 4 Lb./LF Breakaway Sign Post	101.82	27.71
10 14 53 11-0253	EA	Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post	60.22	18.47
10 14 53 11-0254		**Breakaway Sign Posts, 4 Lb./LF** *(10 14 53 11-0250)*		
10 14 53 11-0255	LF	4 Lb./LF Breakaway Sign Post	15.49	2.31
10 14 53 11-0256		**Driven Sign Posts** *(10 14 53 11-0243)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0257		**Driven Posts, 2.5 Lb./LF** *(10 14 53 11-0256)*		
10 14 53 11-0258	LF	2.5 Lb./LF Driven Post	13.53	3.23
10 14 53 11-0259		**Driven Posts, 4 Lb./LF** *(10 14 53 11-0256)*		
10 14 53 11-0260	LF	4 Lb./LF Driven Post	16.87	3.69
10 14 53 11-0261		**Omni-Directional Breakaway System For Sign Posts And Light Poles** *(10 14 53 11-0243)*		
10 14 53 11-0262		**Omni-Directional Breakaway Systems For Signs** *(10 14 53 11-0261)*		
		Note: Break-Safe as manufactured by Tramspo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 11-0263	EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,469.43	
10 14 53 11-0264	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,565.66	
10 14 53 11-0265	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	1,073.38	
10 14 53 11-0266	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	940.14	
10 14 53 11-0267	EA	Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	1,065.98	
10 14 53 11-0268	EA	Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	1,014.16	
10 14 53 11-0269	EA	Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	1,099.29	
10 14 53 11-0270		**Omni-Directional Breakaway Systems For Poles** *(10 14 53 11-0261)*		
		Note: Pole-Safe as Manufactured by Tramspo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
10 14 53 11-0271	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings	495.13	
10 14 53 11-0272	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings	519.09	
10 14 53 11-0273	EA	Omni-Directional Breakaway System For Poles With 1" Couplings	539.05	
10 14 53 11-0274	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	818.55	
10 14 53 11-0275	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	71.87	
10 14 53 11-0276	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	95.83	
10 14 53 11-0277		**Sign Post Accessories** *(10 14 53 11-0001)*		
10 14 53 11-0278		**Sign Post Brackets** *(10 14 53 11-0277)*		
10 14 53 11-0279	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set Note: Includes 2 single side signpost brackets	61.33	6.93
10 14 53 11-0280	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set Note: Includes 2 double side signpost brackets	80.14	11.55
10 14 53 11-0281	EA	4" To 12" Diameter, Buckle Bracket Set Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	73.44	9.24
10 14 53 11-0282		**Sign Post Caps** *(10 14 53 11-0277)*		
10 14 53 11-0283	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2)	26.94	4.62
10 14 53 11-0284		**Sign Post Replacement Bolts** *(10 14 53 11-0277)*		
10 14 53 11-0285	EA	Signage Fasteners Replacement Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	17.73	
10 14 53 11-0286		**Removal Of Signs** *(10 14 53 11)*		
		Note: Includes structural supports.		
10 14 53 11-0287	EA	>4 To 10 SF Sign Area, Sign Removal	184.77	
10 14 53 11-0288	EA	>10 To 20 SF Sign Area, Sign Removal	443.45	
10 14 53 11-0289	EA	>20 To 40 SF Sign Area, Sign Removal	665.17	
10 14 53 11-0290	EA	>40 To 100 SF Sign Area, Sign Removal	1,108.81	
10 14 53 11-0291		**Removal And Reinstallation Of Signs** *(10 14 53 11)*		
		Note: Includes structural supports.		
10 14 53 11-0292	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	283.66	
10 14 53 11-0293	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	669.81	
10 14 53 11-0294	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	1,001.71	
10 14 53 11-0295	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,666.87	
10 14 53 11-0296	EA	Removal And Reinstallation Of Street Sign On Post	106.24	
10 14 53 11-0297	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	392.54	
10 14 56		**Bridge Signage** *(10 14)*		
10 14 56 00-0001		**Bridge And Truss Mounted Signs** *(10 14 56)*		
10 14 56 00-0002		**Removal Of Bridge And Truss Mounted Signs** *(10 14 56 00-0001)*		
10 14 56 00-0003	CF	Removal Of Foundation Note: Including Excavation	17.80	
10 14 56 00-0004	LF	Removal Of Truss And Supports	239.21	
10 14 56 00-0005	SF	Removal Of Sign Face	10.93	
10 14 56 00-0006	SF	Removal Of Legend	18.23	
10 14 56 00-0007	EA	Removal Of Changeable Message Panel	210.28	
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post	109.34	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 56 00-0009		Fabricate And Install New Reflective Messages On Sign Face *(10 14 56 00-0001)*		
10 14 56 00-0010		One Color/3 Dimensional Demountable Letters *(10 14 56 00-0009)*		
10 14 56 00-0011	EA	6" Capital Height Letter	31.00	
10 14 56 00-0012	EA	8" Capital Height Letter	36.63	
10 14 56 00-0013	EA	10" Capital Height Letter	42.25	
10 14 56 00-0014	EA	12" Capital Height Letter	47.31	
10 14 56 00-0015	EA	14" Capital Height Letter	50.32	
10 14 56 00-0016		Two Color Legend Shields-Die Cut Vinyl Engineer Grade *(10 14 56 00-0009)*		
10 14 56 00-0017	EA	6" Legend/Shields	32.01	
10 14 56 00-0018	EA	8" Legend/Shields	37.98	
10 14 56 00-0019	EA	10" Legend/Shields	43.93	
10 14 56 00-0020	EA	12" Legend/Shields	49.33	
10 14 56 00-0021	EA	14" Legend/Shields	52.69	

10 20 Interior Specialties *(10)*

10 21 Compartments and Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0001		Enamel Coated Steel Toilet Partitions And Urinal Screens *(10 21 13 13)* Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002		Enamel Coated Steel Toilet Partitions *(10 21 13 13-0001)* Note: All colors.		
10 21 13 13-0003		Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*		
10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,118.33	152.60
		For >10, Deduct	*-81.31*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,348.26	166.17
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,438.92	172.95
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0007		Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)* Note: Includes head rail.		
10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,170.70	186.52
		For >10, Deduct	*-79.77*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,356.20	200.08
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,432.55	206.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0011		Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)* Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,381.82	220.43
		For >10, Deduct	*-94.10*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,605.73	234.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,685.41	240.77
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0015		Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)* Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,344.97	254.34
		For >10, Deduct	*-83.63*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,605.81	267.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,694.23	274.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 13-0019 Enamel Coated Steel Urinal Screens *(10 21 13 13-0001)*

Note: All colors.

10 21 13 13-0020 Floor Anchored, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	595.42	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	659.22	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	724.91	108.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0024 Wall Hung, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	344.27	81.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	371.36	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	392.63	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0028 Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	440.80	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0030 Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	491.10	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	523.97	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	556.85	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	552.93	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	593.54	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	655.40	108.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 13-0001)*

Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors *(10 21 13 13-0038)*

10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	347.83	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	355.56	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	377.01	29.17
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	411.78	29.17
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	419.50	29.17
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	

10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels *(10 21 13 13-0038)*

10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	255.22	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	281.31	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	307.41	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	333.51	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	359.60	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	385.70	57.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	409.86	61.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	435.95	64.44
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	454.33	67.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	464.77	69.18
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	478.49	71.21
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	521.98	74.60
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	559.65	78.00
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	191.34	20.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	211.65	23.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	233.88	27.13
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	271.57	30.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	307.31	33.91
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	343.06	37.30
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	440.63	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	505.35	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	543.04	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	154.64	20.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	169.16	23.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	185.60	27.13
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	209.77	30.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	231.99	33.91
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	256.15	37.30
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	315.09	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	354.70	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	378.88	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	214.57	27.13
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	234.88	30.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	257.10	33.91
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	294.78	37.30
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	330.54	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	366.29	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	463.86	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	528.58	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	566.26	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,471.41	152.60
		For >10, Deduct	*-216.62*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*758.17*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,978.96	166.17
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*926.32*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,119.84	172.95
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*970.88*	

10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Includes head rail.

10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,108.81	186.52
		For >10, Deduct	*-173.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*607.52*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,559.25	200.08
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*755.68*	
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,785.64	206.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*830.17*	

10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,910.21	220.43
		For >10, Deduct	*-246.94*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*864.27*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,120.61	234.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*928.42*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,265.56	240.77
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*974.40*	

10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,922.83	254.34
		For >10, Deduct	*-241.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*844.96*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,545.76	267.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*1,053.48*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,726.45	274.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*1,111.98*	

10 21 13 14-0019 Stainless Steel Urinal Screens *(10 21 13 14-0001)*

10 21 13 14-0020 Floor Anchored, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	828.45	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*223.52*	
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	936.13	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*256.45*	
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	957.38	108.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*259.15*	

10 21 13 14-0024 Wall Hung, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	615.78	81.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*158.57*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	666.35	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*171.52*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	727.08	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*188.04*	

10 21 13 14-0028 Wall Hung And Post Supported, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	987.09	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*283.78*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,035.31	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*295.91*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,083.31	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*307.97*	

10 21 13 14-0032 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	828.45	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*223.52*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	936.12	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*256.45*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	1,048.22	108.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*290.94*	

10 21 13 14-0036 Stainless Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 14-0001)*

See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 14-0037 Stainless Steel, Toilet Partition Doors *(10 21 13 14-0036)*

10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	537.35	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*169.08*	
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	613.65	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*195.79*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	631.01	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*199.49*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	653.03	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*207.20*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	659.16	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*209.34*	

10 21 13 14-0043 Stainless Steel, Toilet Partition Panels *(10 21 13 14-0036)*

10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	469.03	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*135.67*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	520.58	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*151.34*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	542.85	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*156.76*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	568.04	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*163.21*	
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	609.60	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*175.38*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	657.78	57.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*189.87*	
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	767.81	61.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*226.01*	
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	840.02	64.44
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*248.91*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	862.31	67.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*254.33*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	904.62	69.18
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*268.19*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	960.35	71.21
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*286.27*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,006.25	74.60
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*299.96*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,103.06	78.00
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*331.47*	

10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	323.09	20.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*98.84*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	352.26	23.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*106.67*	
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	383.15	27.13
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*115.11*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	436.43	30.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*131.38*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	489.70	33.91
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*147.66*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	542.97	37.30
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*163.93*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	687.51	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*212.14*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	787.28	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*244.69*	
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	840.56	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*260.96*	

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	248.25	20.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*72.65*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	269.25	23.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*77.62*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	290.96	27.13
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*82.85*	
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	376.53	30.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*110.42*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	424.81	33.91
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*124.95*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	440.20	37.30
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*127.96*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	498.39	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*145.95*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	561.70	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*165.74*	
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	596.53	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*175.55*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	355.60	27.13
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*105.47*	
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	389.94	30.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*115.11*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	422.54	33.91
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*124.15*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	484.42	37.30
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*143.44*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	544.59	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*162.12*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	604.75	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*180.80*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	775.13	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*238.06*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	888.67	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*275.43*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	950.55	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*294.71*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition		1,400.26	152.60
		For >10, Deduct		*-109.51*	
		For Cast Stainless Steel Hardware, Add		*180.41*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*224.59*	
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,707.77	166.17
		For Cast Stainless Steel Hardware, Add		*180.43*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*224.59*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,836.48	172.95
		For Cast Stainless Steel Hardware, Add		*180.44*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*224.59*	

10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Includes head rail.

10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition		1,521.54	186.52
		For >10, Deduct		*-114.85*	
		For Cast Stainless Steel Hardware, Add		*180.45*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*224.59*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,842.40	200.08
		For Cast Stainless Steel Hardware, Add		*180.47*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*224.59*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,981.14	206.86
		For Cast Stainless Steel Hardware, Add		*180.47*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*224.59*	

10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Excludes above ceiling steel.

10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition		2,035.71	254.34
		For >10, Deduct		*-152.71*	
		For Cast Stainless Steel Hardware, Add		*180.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*224.59*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		2,366.86	267.91
		For Cast Stainless Steel Hardware, Add		*180.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*224.59*	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		2,495.57	274.69
		For Cast Stainless Steel Hardware, Add		*180.55*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*224.59*	

10 21 13 16-0015 Laminated Plastic Urinal Screens *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen		598.24	94.92
		For Heavy Gauge Full-Height SS Brackets, Add		*62.23*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen		651.87	101.70
		For Heavy Gauge Full-Height SS Brackets, Add		*62.23*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen		673.28	108.48
		For Heavy Gauge Full-Height SS Brackets, Add		*62.23*	

10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen		466.70	81.36
		For Heavy Gauge Full-Height SS Brackets, Add		*62.23*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen		491.72	88.14
		For Heavy Gauge Full-Height SS Brackets, Add		*62.23*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen		515.67	94.92
		For Heavy Gauge Full-Height SS Brackets, Add		*62.23*	

10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen		614.17	88.14
		For Heavy Gauge Full-Height SS Brackets, Add		*62.23*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen		673.40	94.92
		For Heavy Gauge Full-Height SS Brackets, Add		*62.23*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen		737.44	101.70
		For Heavy Gauge Full-Height SS Brackets, Add		*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0028		**Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	568.69	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	623.45	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	644.22	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0032		**Laminated Plastic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 16-0001)*		
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033		**Laminated Plastic, Toilet Partition Doors** *(10 21 13 16-0032)*		
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	459.09	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	498.43	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	515.94	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	528.10	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	539.54	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0039		**Laminated Plastic, Toilet Partition Panels** *(10 21 13 16-0032)*		
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	240.83	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	266.15	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	291.48	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	317.75	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	342.12	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	368.50	57.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	377.45	61.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	387.78	64.44
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	408.19	67.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	424.80	69.18
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	443.55	71.21
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	503.98	74.60
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	572.27	78.00
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0053		**69" Long, Laminated Plastic, Toilet Partition Pilasters** *(10 21 13 16-0032)*		
10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	193.04	20.35
		For 1-1/4" Pilaster, Add	*12.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*152.35*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	222.72	23.73
		For 1-1/4" Pilaster, Add	*14.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*175.24*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	229.50	27.13
		For 1-1/4" Pilaster, Add	*14.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*175.24*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	253.45	30.52
		For 1-1/4" Pilaster, Add	*15.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*192.40*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	265.23	33.91
		For 1-1/4" Pilaster, Add	*16.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*197.41*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	288.46	37.30
		For 1-1/4" Pilaster, Add	*17.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*213.86*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	365.34	40.69
		For 1-1/4" Pilaster, Add	*23.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*283.95*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	440.79	44.09
		For 1-1/4" Pilaster, Add	*29.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*352.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	494.07	47.48
		For 1-1/4" Pilaster, Add	*32.93*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*399.11*	

10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	373.28	20.35
		For 1-1/4" Pilaster, Add	*27.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*332.59*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	412.97	23.73
		For 1-1/4" Pilaster, Add	*30.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*365.49*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	419.75	27.13
		For 1-1/4" Pilaster, Add	*30.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*365.49*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	454.43	30.52
		For 1-1/4" Pilaster, Add	*32.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*393.39*	
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	496.25	33.91
		For 1-1/4" Pilaster, Add	*35.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*428.43*	
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	530.21	37.30
		For 1-1/4" Pilaster, Add	*37.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*455.61*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	658.25	40.69
		For 1-1/4" Pilaster, Add	*47.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*576.86*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	749.06	44.09
		For 1-1/4" Pilaster, Add	*54.52*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*660.89*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	769.44	47.48
		For 1-1/4" Pilaster, Add	*55.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*674.48*	

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes head rail.

10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,018.28	186.52
		For >10, Deduct	*-164.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,020.06*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,478.73	200.08
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,288.71*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,743.79	206.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,444.64*	

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,023.80	220.43
		For >10, Deduct	*-158.29*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*981.42*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,524.47	234.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,275.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,789.54	240.77
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,430.95*	

10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,127.50	254.34
		For >10, Deduct	*-161.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,003.67*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,517.42	267.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,228.60*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,782.48	274.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,384.53*	

10 21 13 19-0015 Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0016 Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	477.91	81.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*195.42*	
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	503.89	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*203.11*	

10 21 13 19-0019 Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	604.70	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*265.62*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	761.04	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*354.14*	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	844.93	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*397.75*	

10 21 13 19-0023 Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	618.26	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*265.62*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	774.60	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*354.14*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	916.81	108.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*433.90*	

10 21 13 19-0027 Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 19-0028 Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0027)*

10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	477.74	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*262.56*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	516.28	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*286.45*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	561.32	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*310.17*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	639.31	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*358.52*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	657.77	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*369.97*	

10 21 13 19-0034 Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0027)*

10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	175.25	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*58.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	275.90	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*116.39*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	376.53	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*174.57*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	438.68	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*208.90*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	529.70	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*261.13*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	565.94	57.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*279.40*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	634.62	61.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*317.77*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	714.61	64.44
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*363.17*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	780.02	67.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*399.51*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	796.94	69.18
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*408.32*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	823.71	71.21
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*422.39*	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	929.88	74.60
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*484.01*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	1,001.73	78.00
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*524.36*	
10 21 13 19-0048		**82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)*		
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	221.50	20.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*112.10*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	246.42	23.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*123.34*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	268.16	27.13
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*132.62*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	288.30	30.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*140.90*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	323.63	33.91
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*158.60*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	358.94	37.30
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*176.29*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	490.97	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*253.94*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	554.70	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*289.25*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	603.90	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*315.54*	
10 21 13 19-0058		**96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)*		
10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	270.82	27.13
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*134.27*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	298.22	30.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*147.05*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	328.52	33.91
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*161.63*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	372.04	37.30
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*184.41*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	415.99	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*207.45*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	459.52	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*230.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	587.44	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*305.34*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	656.91	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*344.21*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	714.15	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*375.49*	

10 21 13 19-0068 Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0069 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0070 Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Includes head rail.

10 21 13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,594.12	186.52
		For >10, Deduct	*-222.11*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,377.08*	
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,206.24	200.08
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,739.77*	
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,559.33	206.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,950.28*	

10 21 13 19-0074 Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,577.83	220.43
		For >10, Deduct	*-213.70*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,324.92*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,244.23	234.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,721.28*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,597.33	240.77
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,931.78*	

10 21 13 19-0078 Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,694.11	254.34
		For >10, Deduct	*-218.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,354.97*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,210.98	267.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,658.61*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,564.06	274.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,869.11*	

10 21 13 19-0082 Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0083 Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	588.21	81.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*263.80*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	614.50	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*271.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0086		Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*		
10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	947.40	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*478.09*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,076.94	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*550.00*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,148.19	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*585.77*	
10 21 13 19-0090		Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*		
10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	768.19	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*358.58*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	974.52	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*478.09*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,161.76	108.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*585.77*	
10 21 13 19-0094		Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0068)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095		Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0094)*		
10 21 13 19-0096	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	625.95	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*354.45*	
10 21 13 19-0097	EA	26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	678.00	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*386.72*	
10 21 13 19-0098	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	736.41	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*418.72*	
10 21 13 19-0099	EA	34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	841.71	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*484.01*	
10 21 13 19-0100	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	866.62	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*499.45*	
10 21 13 19-0101		Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0094)*		
10 21 13 19-0102	EA	6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	208.10	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*78.56*	
10 21 13 19-0103	EA	12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	341.60	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*157.13*	
10 21 13 19-0104	EA	18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	475.10	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*235.69*	
10 21 13 19-0105	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	556.59	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*282.01*	
10 21 13 19-0106	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	677.10	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*352.52*	
10 21 13 19-0107	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	723.66	57.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*377.18*	
10 21 13 19-0108	EA	42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	814.01	61.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*429.00*	
10 21 13 19-0109	EA	48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	919.64	64.44
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*490.28*	
10 21 13 19-0110	EA	55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,005.56	67.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*539.34*	
10 21 13 19-0111	EA	58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,027.44	69.18
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*551.23*	
10 21 13 19-0112	EA	60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,062.15	71.21
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*570.23*	
10 21 13 19-0113	EA	70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,203.13	74.60
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*653.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0114	EA	78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,297.73	78.00
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*707.88*	

10 21 13 19-0115 82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0116	EA	Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	284.78	20.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*151.34*	
10 21 13 19-0117	EA	5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	316.05	23.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*166.51*	
10 21 13 19-0118	EA	6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	343.02	27.13
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*179.03*	
10 21 13 19-0119	EA	8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	395.74	30.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*207.51*	
10 21 13 19-0120	EA	10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	444.58	33.91
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*233.59*	
10 21 13 19-0121	EA	12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	493.36	37.30
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*259.63*	
10 21 13 19-0122	EA	18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	634.32	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*342.82*	
10 21 13 19-0123	EA	22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	718.00	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*390.49*	
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	782.02	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*425.98*	

10 21 13 19-0125 96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	346.62	27.13
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*181.26*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	381.24	30.52
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*198.52*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	419.78	33.91
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*218.22*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	476.16	37.30
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*248.97*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	533.11	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*280.07*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	589.48	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*310.81*	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	759.82	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*412.21*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	851.21	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*464.67*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	926.12	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*506.91*	

10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.

10 21 13 19-0136 Solid Phenolic Toilet Partitions *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,106.92	152.60
		For >10, Deduct	*-180.17*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*393.62*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,583.22	166.17
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*489.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,881.46	172.95
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*549.76*	

10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Includes head rail.

10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,343.17	186.52
		For >10, Deduct	*-197.01*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*432.38*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,838.28	200.08
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*532.01*	
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,150.84	206.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*595.48*	

10 21 13 19-0145 Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Excludes above ceiling steel.

10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,426.39	220.43
		For >10, Deduct	*-198.55*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*439.00*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,918.00	234.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*537.90*	
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,216.24	240.77
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*598.36*	

10 21 13 19-0149 Ceiling Hung, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Excludes above ceiling steel.

10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,402.31	254.34
		For >10, Deduct	*-189.36*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*423.10*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,878.28	267.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*518.71*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,176.51	274.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*579.17*	

10 21 13 19-0153 Solid Phenolic Urinal Screens *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0154 Floor Anchored, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	777.06	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*132.81*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	877.17	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*151.66*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	1,048.81	108.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*185.53*	

10 21 13 19-0158 Wall Hung, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	501.75	81.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*79.33*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	579.68	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*93.53*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	694.18	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*115.40*	

10 21 13 19-0162 Wall Hung And Post Supported, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	510.90	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*79.08*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	635.98	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*103.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	741.27	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*123.12*	

10 21 13 19-0166 Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	797.35	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*139.24*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	898.05	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*158.22*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	1,072.92	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*192.77*	

10 21 13 19-0170 Solid Phenolic Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 19-0171 Solid Phenolic, Toilet Partition Doors *(10 21 13 19-0170)*

10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	567.81	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*110.56*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	587.12	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*114.61*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	643.46	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*125.36*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	693.82	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*135.93*	
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	745.54	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*146.80*	

10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels *(10 21 13 19-0170)*

10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	188.42	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*26.55*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	248.67	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*38.11*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	335.68	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*55.30*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	423.60	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*72.68*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	471.75	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*81.70*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	522.28	57.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*91.23*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	607.91	61.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*108.13*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	696.05	64.44
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*125.55*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	742.18	67.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*134.15*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	762.77	69.18
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*138.04*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	777.57	71.21
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*140.50*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	893.08	74.60
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*163.67*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	1,075.80	78.00
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*200.96*	

10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	271.72	20.35
		For 1" Pilaster, Add	*28.88*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*50.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	312.84	23.73
		For 1" Pilaster, Add	*33.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*58.10*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	319.62	27.13
		For 1" Pilaster, Add	*33.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*58.44*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	370.04	30.52
		For 1" Pilaster, Add	*38.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*67.94*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	416.15	33.91
		For 1" Pilaster, Add	*43.54*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*76.54*	
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	462.27	37.30
		For 1" Pilaster, Add	*48.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*85.14*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	589.93	40.69
		For 1" Pilaster, Add	*63.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*110.86*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	723.31	44.09
		For 1" Pilaster, Add	*79.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*137.79*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	760.14	47.48
		For 1" Pilaster, Add	*83.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*144.44*	

10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	297.46	20.35
		For 1" Pilaster, Add	*32.10*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*55.96*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	348.60	23.73
		For 1" Pilaster, Add	*37.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*65.61*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	355.38	27.13
		For 1" Pilaster, Add	*37.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*65.95*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	411.52	30.52
		For 1" Pilaster, Add	*43.81*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*76.65*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	464.78	33.91
		For 1" Pilaster, Add	*49.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*86.75*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	518.43	37.30
		For 1" Pilaster, Add	*55.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*96.93*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	673.62	40.69
		For 1" Pilaster, Add	*74.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*128.44*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	801.65	44.09
		For 1" Pilaster, Add	*89.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*154.24*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	843.48	47.48
		For 1" Pilaster, Add	*93.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*161.94*	

10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	336.78	27.13
		For 1" Pilaster, Add	*35.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*62.04*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	397.93	30.52
		For 1" Pilaster, Add	*42.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*73.80*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	404.70	33.91
		For 1" Pilaster, Add	*42.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*74.14*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	466.56	37.30
		For 1" Pilaster, Add	*49.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*86.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	526.99	40.69
		For 1" Pilaster, Add	*55.70*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*97.65*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	588.13	44.09
		For 1" Pilaster, Add	*62.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*109.40*	
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	770.87	47.48
		For 1" Pilaster, Add	*84.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*146.69*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	893.52	50.87
		For 1" Pilaster, Add	*98.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*171.36*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	940.36	54.26
		For 1" Pilaster, Add	*103.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*180.11*	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,323.13	152.60
		For >10, Deduct	*-201.79*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,853.33	166.17
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,185.73	172.95
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Includes head rail.

10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,579.59	186.52
		For >10, Deduct	*-220.66*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,130.85	200.08
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,479.29	206.86
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,664.66	220.43
		For >10, Deduct	*-222.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,212.00	234.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,544.40	240.77
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,629.55	254.34
		For >10, Deduct	*-212.09*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,159.38	267.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,491.77	274.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 19-0239 Solid Color Reinforced Composite Urinal Screens *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0240 Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*

10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	847.53	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	958.02	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,148.63	108.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0244 Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*

10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	542.43	81.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	628.09	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	754.70	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0248 Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*

10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	551.06	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	689.52	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	805.81	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0252 Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*

10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	871.87	88.14
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	983.04	94.92
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,177.26	101.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0256 Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.

10 21 13 19-0257 Solid Color Reinforced Composite, Toilet Partition Doors *(10 21 13 19-0256)*

10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	629.44	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	651.06	27.13
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	713.35	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	769.75	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	827.68	30.52
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	

10 21 13 19-0263 Solid Color Reinforced Composite, Toilet Partition Panels *(10 21 13 19-0256)*

10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	201.26	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	267.93	44.09
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	364.57	47.48
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	462.23	50.87
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	515.34	54.26
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	571.11	57.65
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	666.21	61.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	764.12	64.44
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	814.97	67.82
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	837.70	69.18
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	853.79	71.21
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	982.34	74.60
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,186.18	78.00
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	299.44	20.35
		For 1" Pilaster, Add	*32.34*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	344.68	23.73
		For 1" Pilaster, Add	*37.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	351.46	27.13
		For 1" Pilaster, Add	*37.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	407.12	30.52
		For 1" Pilaster, Add	*43.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	457.95	33.91
		For 1" Pilaster, Add	*48.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	508.79	37.30
		For 1" Pilaster, Add	*54.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	650.96	40.69
		For 1" Pilaster, Add	*71.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	799.53	44.09
		For 1" Pilaster, Add	*88.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	839.96	47.48
		For 1" Pilaster, Add	*93.13*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0287 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	328.28	20.35
		For 1" Pilaster, Add	*35.95*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	384.73	23.73
		For 1" Pilaster, Add	*42.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	391.51	27.13
		For 1" Pilaster, Add	*42.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	453.58	30.52
		For 1" Pilaster, Add	*49.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	512.42	33.91
		For 1" Pilaster, Add	*55.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	571.69	37.30
		For 1" Pilaster, Add	*62.14*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	744.68	40.69
		For 1" Pilaster, Add	*82.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	887.26	44.09
		For 1" Pilaster, Add	*99.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	933.31	47.48
		For 1" Pilaster, Add	*104.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	370.69	27.13
		For 1" Pilaster, Add	*39.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	438.36	30.52
		For 1" Pilaster, Add	*47.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	445.13	33.91
		For 1" Pilaster, Add	*47.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	513.59	37.30
		For 1" Pilaster, Add	*54.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	580.46	40.69
		For 1" Pilaster, Add	*62.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	648.12	44.09
		For 1" Pilaster, Add	*69.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	851.98	47.48
		For 1" Pilaster, Add	*94.63*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	988.54	50.87
		For 1" Pilaster, Add	*110.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,040.18	54.26
		For 1" Pilaster, Add	*116.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0307)*

Note: Small particulate finish.

10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0310	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,172.49	152.60
		For >10, Deduct	*-486.73*	
		For Solid Color Material (No Particulate), Deduct	*-1,119.47*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,246.26	166.17
		For Solid Color Material (No Particulate), Deduct	*-1,360.20*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,926.70	172.95
		For Solid Color Material (No Particulate), Deduct	*-1,513.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,372.88	186.52
		For >10, Deduct	*-499.99*	
		For Solid Color Material (No Particulate), Deduct	*-1,149.97*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,058.09	200.08
		For Solid Color Material (No Particulate), Deduct	*-1,531.33*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,813.20	206.86
		For Solid Color Material (No Particulate), Deduct	*-1,701.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

10 21 13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,019.02	220.43
		For >10, Deduct	*-557.82*	
		For Solid Color Material (No Particulate), Deduct	*-1,282.98*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,082.76	234.00
		For Solid Color Material (No Particulate), Deduct	*-1,751.40*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,837.29	240.77
		For Solid Color Material (No Particulate), Deduct	*-1,921.82*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

10 21 13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,079.67	254.34
		For >10, Deduct	*-557.10*	
		For Solid Color Material (No Particulate), Deduct	*-1,281.33*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,765.50	267.91
		For Solid Color Material (No Particulate), Deduct	*-1,662.83*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,520.01	274.69
		For Solid Color Material (No Particulate), Deduct	*-1,833.25*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens *(10 21 13 19-0307)*

10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,427.89	94.92
		For Solid Color Material (No Particulate), Deduct	*-284.75*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,886.04	101.70
		For Solid Color Material (No Particulate), Deduct	*-387.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	2,344.20	108.48
		For Solid Color Material (No Particulate), Deduct	*-489.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	731.36	81.36
		For Solid Color Material (No Particulate), Deduct	*-130.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	934.45	88.14
		For Solid Color Material (No Particulate), Deduct	*-174.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	1,137.57	94.92
		For Solid Color Material (No Particulate), Deduct	*-217.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0334 Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	956.28	88.14
		For Solid Color Material (No Particulate), Deduct	*-179.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,192.15	94.92
		For Solid Color Material (No Particulate), Deduct	*-230.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,427.99	101.70
		For Solid Color Material (No Particulate), Deduct	*-281.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,462.78	88.14
		For Solid Color Material (No Particulate), Deduct	*-295.90*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,920.93	94.92
		For Solid Color Material (No Particulate), Deduct	*-398.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,379.08	101.70
		For Solid Color Material (No Particulate), Deduct	*-500.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0307)*

See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors *(10 21 13 19-0342)*

10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,128.66	27.13
		For Solid Color Material (No Particulate), Deduct	*-247.11*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,205.45	27.13
		For Solid Color Material (No Particulate), Deduct	*-264.77*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,374.65	30.52
		For Solid Color Material (No Particulate), Deduct	*-302.13*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,533.11	30.52
		For Solid Color Material (No Particulate), Deduct	*-338.57*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,602.06	30.52
		For Solid Color Material (No Particulate), Deduct	*-354.43*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	

10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels *(10 21 13 19-0342)*

10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	303.67	40.69
		For Solid Color Material (No Particulate), Deduct	*-51.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	532.76	44.09
		For Solid Color Material (No Particulate), Deduct	*-102.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	761.83	47.48
		For Solid Color Material (No Particulate), Deduct	*-153.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	990.92	50.87
		For Solid Color Material (No Particulate), Deduct	*-204.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,219.98	54.26
		For Solid Color Material (No Particulate), Deduct	*-255.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,449.04	57.65
		For Solid Color Material (No Particulate), Deduct	*-306.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,678.13	61.05
		For Solid Color Material (No Particulate), Deduct	*-357.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,907.19	64.44
		For Solid Color Material (No Particulate), Deduct	*-409.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,173.32	67.82
		For Solid Color Material (No Particulate), Deduct	*-468.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,287.20	69.18
		For Solid Color Material (No Particulate), Deduct	*-494.23*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,365.35	71.21
		For Solid Color Material (No Particulate), Deduct	*-511.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,742.62	74.60
		For Solid Color Material (No Particulate), Deduct	*-596.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	3,045.78	78.00
		For Solid Color Material (No Particulate), Deduct	*-664.65*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0363		**72" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	389.56	20.35
		For Solid Color Material (No Particulate), Deduct	*-80.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	483.57	23.73
		For Solid Color Material (No Particulate), Deduct	*-100.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	577.57	27.13
		For Solid Color Material (No Particulate), Deduct	*-120.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	758.82	30.52
		For Solid Color Material (No Particulate), Deduct	*-160.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	940.03	33.91
		For Solid Color Material (No Particulate), Deduct	*-200.61*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,121.25	37.30
		For Solid Color Material (No Particulate), Deduct	*-240.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,651.35	40.69
		For Solid Color Material (No Particulate), Deduct	*-361.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,007.03	44.09
		For Solid Color Material (No Particulate), Deduct	*-441.34*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,188.25	47.48
		For Solid Color Material (No Particulate), Deduct	*-481.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0373		**82" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	438.01	20.35
		For Solid Color Material (No Particulate), Deduct	*-91.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	544.16	23.73
		For Solid Color Material (No Particulate), Deduct	*-114.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	638.91	27.13
		For Solid Color Material (No Particulate), Deduct	*-134.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	870.88	30.52
		For Solid Color Material (No Particulate), Deduct	*-186.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,061.16	33.91
		For Solid Color Material (No Particulate), Deduct	*-228.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,266.60	37.30
		For Solid Color Material (No Particulate), Deduct	*-274.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,869.41	40.69
		For Solid Color Material (No Particulate), Deduct	*-411.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,273.54	44.09
		For Solid Color Material (No Particulate), Deduct	*-502.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,478.99	47.48
		For Solid Color Material (No Particulate), Deduct	*-548.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0383 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*

10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	577.57	27.13
		For Solid Color Material (No Particulate), Deduct	*-120.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	715.20	30.52
		For Solid Color Material (No Particulate), Deduct	*-150.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	852.81	33.91
		For Solid Color Material (No Particulate), Deduct	*-180.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,121.25	37.30
		For Solid Color Material (No Particulate), Deduct	*-240.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,389.69	40.69
		For Solid Color Material (No Particulate), Deduct	*-300.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,658.13	44.09
		For Solid Color Material (No Particulate), Deduct	*-361.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,449.91	47.48
		For Solid Color Material (No Particulate), Deduct	*-541.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,980.03	50.87
		For Solid Color Material (No Particulate), Deduct	*-662.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,248.46	54.26
		For Solid Color Material (No Particulate), Deduct	*-722.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 43 Compartments and Cubicles Common Accessories *(10 21 13)*

10 21 13 43-0001 Accessories *(10 21 13 43)*

10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	15.09	2.72
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	25.89	2.72
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	120.86	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket	79.20	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket	131.63	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket	93.32	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket	222.13	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	202.23	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge	155.46	

10 21 16 Shower and Dressing Compartments *(10 21)*

10 21 16 17 Phenolic-Core Shower and Dressing Compartments *(10 21 16)*

10 21 16 17-0001 Shower Dividers *(10 21 16 17)*

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)*

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,214.96	169.56
		For 66" High Panels, Add	*131.38*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,534.04	183.13
		For 66" High Panels, Add	*175.17*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,991.81	203.47
		For 66" High Panels, Add	*237.73*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,351.55	237.39
		For 66" High Panels, Add	*281.52*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,711.33	271.30
		For 66" High Panels, Add	*325.31*	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)*

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,959.34	298.02
		For 66" High Panels, Add	*414.10*	
		For 6" Wide Head Rail, Add	*76.86*	
		For 8" Wide Head Rail, Add	*106.45*	
		For 10" Wide Head Rail, Add	*130.09*	
		For 12" Wide Head Rail, Add	*156.70*	
		For 18" Wide, 1/2" Thick Bench, Add	*144.60*	
		For 24" Wide, 1/2" Thick Bench, Add	*184.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,663.01	325.41
		For 66" High Panels, Add	*516.91*	
		For 6" Wide Head Rail, Add	*96.87*	
		For 8" Wide Head Rail, Add	*133.50*	
		For 10" Wide Head Rail, Add	*163.62*	
		For 12" Wide Head Rail, Add	*197.00*	
		For 18" Wide, 1/2" Thick Bench, Add	*150.09*	
		For 24" Wide, 1/2" Thick Bench, Add	*190.09*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,631.00	346.04
		For 66" High Panels, Add	*660.05*	
		For 6" Wide Head Rail, Add	*125.09*	
		For 8" Wide Head Rail, Add	*171.40*	
		For 10" Wide Head Rail, Add	*210.79*	
		For 12" Wide Head Rail, Add	*253.64*	
		For 18" Wide, 1/2" Thick Bench, Add	*154.21*	
		For 24" Wide, 1/2" Thick Bench, Add	*194.21*	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,944.89	387.13
		For 66" High Panels, Add	*703.02*	
		For 6" Wide Head Rail, Add	*132.86*	
		For 8" Wide Head Rail, Add	*182.31*	
		For 10" Wide Head Rail, Add	*224.02*	
		For 12" Wide Head Rail, Add	*269.60*	
		For 18" Wide, 1/2" Thick Bench, Add	*162.42*	
		For 24" Wide, 1/2" Thick Bench, Add	*202.42*	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,660.87	420.77
		For 66" High Panels, Add	*807.06*	
		For 6" Wide Head Rail, Add	*153.00*	
		For 8" Wide Head Rail, Add	*209.61*	
		For 10" Wide Head Rail, Add	*257.80*	
		For 12" Wide Head Rail, Add	*310.20*	
		For 18" Wide, 1/2" Thick Bench, Add	*169.15*	
		For 24" Wide, 1/2" Thick Bench, Add	*209.15*	

10 21 23 Cubicle Curtains and Track *(10 21)*

10 21 23 13 Cubicle Curtains *(10 21 23)*

10 21 23 13-0001 Hospital Curtains With Nylon Mesh Tops *(10 21 23 13)*

10 21 23 13-0002	LF	84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	21.29	1.16
10 21 23 13-0003	LF	90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	22.56	1.16
10 21 23 13-0004	LF	96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	24.16	1.16
10 21 23 13-0005	LF	102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	25.44	1.16
10 21 23 13-0006	LF	108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	26.72	1.16
10 21 23 13-0007	LF	120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	29.18	1.16

10 21 23 16 Cubicle Track and Hardware *(10 21 23)*

10 21 23 16-0001 Hospital Bendable Curtain Track *(10 21 23 16)*

10 21 23 16-0002	EA	105', Bendable Curtain Track (InPro 115237)	1,389.72	88.32
10 21 23 16-0003	EA	16', Bendable Curtain Track (InPro 115236)	268.51	50.44
10 21 23 16-0004	EA	8', Bendable Curtain Track (InPro 115235)	153.35	33.62

10 21 23 16-0005 Hospital Cubicle Curtain Channel Track *(10 21 23 16)*

Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings. (Medline)

10 21 23 16-0006	LF	Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	24.83	6.17
10 21 23 16-0007	LF	Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	38.88	6.78

10 21 23 16-0008 Hospital IV Tracks *(10 21 23 16)*

10 21 23 16-0009	LF	Oval Hospital Partition IV Track	24.40	3.87
10 21 23 16-0010	EA	Hospital Partition IV Trolley	131.27	16.14
10 21 23 16-0011	EA	5 Hook Tree, Hospital Partition IV Pendant	513.53	16.14

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

10 22 13 00-0001 Wall Panels *(10 22 13)*

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.64	1.70
		For 5' Wide Panels, Add	*0.56*	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.27	2.03
		For 5' Wide Panels, Add	*0.61*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	24.49	2.37
		For 5' Wide Panels, Add	*0.99*	

10 22 13 00-0005 Ceiling Panels *(10 22 13)*

Note: Includes steel frame.

10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.25	2.03
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.88	2.37
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	18.73	2.72

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0009			**Sliding Doors** *(10 22 13)* Note: Includes padlocks lugs and/or provisions for cylinder lock.		
	10 22 13 00-0010	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,450.89	356.08
			For 8 Gauge, Add	*146.42*	
			For 6 Gauge, Add	*292.84*	
	10 22 13 00-0011	EA	4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,535.51	393.38
			For 8 Gauge, Add	*151.65*	
			For 6 Gauge, Add	*303.30*	
	10 22 13 00-0012	EA	5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,670.32	406.95
			For 8 Gauge, Add	*169.16*	
			For 6 Gauge, Add	*338.32*	
	10 22 13 00-0013	EA	5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,820.78	440.86
			For 8 Gauge, Add	*184.95*	
			For 6 Gauge, Add	*369.89*	
	10 22 13 00-0014	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,887.55	467.98
			For 8 Gauge, Add	*189.54*	
			For 6 Gauge, Add	*379.07*	
	10 22 13 00-0015	EA	6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,069.53	495.12
			For 8 Gauge, Add	*211.41*	
			For 6 Gauge, Add	*422.82*	
	10 22 13 00-0016	EA	8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,224.28	532.42
			For 8 Gauge, Add	*227.16*	
			For 6 Gauge, Add	*454.32*	
	10 22 13 00-0017	EA	8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,411.98	556.15
			For 8 Gauge, Add	*250.57*	
			For 6 Gauge, Add	*501.13*	
	10 22 13 00-0018	EA	10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,436.61	569.72
			For 8 Gauge, Add	*251.55*	
			For 6 Gauge, Add	*503.10*	
	10 22 13 00-0019	EA	10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,679.73	603.63
			For 8 Gauge, Add	*281.23*	
			For 6 Gauge, Add	*562.47*	
10 22 13 00-0020			**Swing Doors** *(10 22 13)*		
10 22 13 00-0021			**Single Swing Door** *(10 22 13 00-0020)*		
	10 22 13 00-0022	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	985.55	210.25
			For 8 Gauge, Add	*102.62*	
			For 6 Gauge, Add	*205.23*	
	10 22 13 00-0023	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,058.24	237.39
			For 8 Gauge, Add	*111.26*	
			For 6 Gauge, Add	*222.52*	
	10 22 13 00-0024	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,132.95	250.95
			For 8 Gauge, Add	*119.75*	
			For 6 Gauge, Add	*239.51*	
	10 22 13 00-0025	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,126.07	271.30
			For 8 Gauge, Add	*114.65*	
			For 6 Gauge, Add	*229.30*	
	10 22 13 00-0026	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,203.28	284.85
			For 8 Gauge, Add	*123.52*	
			For 6 Gauge, Add	*247.04*	
	10 22 13 00-0027	EA	4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,257.58	298.42
			For 8 Gauge, Add	*128.95*	
			For 6 Gauge, Add	*257.90*	
10 22 13 00-0028			**Double Swing Doors** *(10 22 13 00-0020)*		
	10 22 13 00-0029	EA	6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,552.19	339.12
			For 8 Gauge, Add	*165.01*	
			For 6 Gauge, Add	*330.01*	
	10 22 13 00-0030	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,677.12	359.47
			For 8 Gauge, Add	*179.68*	
			For 6 Gauge, Add	*359.35*	
	10 22 13 00-0031	EA	6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,802.03	379.81
			For 8 Gauge, Add	*194.34*	
			For 6 Gauge, Add	*388.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0032	EA	8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,934.02	406.95
		For 8 Gauge, Add	*208.72*	
		For 6 Gauge, Add	*417.43*	
10 22 13 00-0033	EA	8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,110.54	427.29
		For 8 Gauge, Add	*231.12*	
		For 6 Gauge, Add	*462.25*	
10 22 13 00-0034	EA	8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,285.10	447.64
		For 8 Gauge, Add	*253.24*	
		For 6 Gauge, Add	*506.48*	

10 22 13 00-0035 Dutch Doors *(10 22 13)*

Note: Includes padlocks lugs and/or provisions for cylinder lock.

10 22 13 00-0036	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,306.60	210.25
		For 8 Gauge, Add	*150.77*	
		For 6 Gauge, Add	*301.55*	
10 22 13 00-0037	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,385.01	237.39
		For 8 Gauge, Add	*160.28*	
		For 6 Gauge, Add	*320.55*	
10 22 13 00-0038	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,427.98	250.95
		For 8 Gauge, Add	*164.01*	
		For 6 Gauge, Add	*328.02*	
10 22 13 00-0039	EA	3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,511.62	284.85
		For 8 Gauge, Add	*169.77*	
		For 6 Gauge, Add	*339.54*	
10 22 13 00-0040	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,451.76	271.30
		For 8 Gauge, Add	*163.51*	
		For 6 Gauge, Add	*327.01*	
10 22 13 00-0041	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,539.18	284.85
		For 8 Gauge, Add	*173.91*	
		For 6 Gauge, Add	*347.81*	

10 22 19 Demountable Partitions *(10 22)*

10 22 19 13 Demountable Metal Partitions *(10 22 19)*

10 22 19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	183.47	21.56
		For >9, Add 22.93		
10 22 19 13-0002	LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	160.83	17.17
		For >9, Add 20.10		
10 22 19 13-0003	LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	138.20	12.91
		For >9, Add 17.28		
10 22 19 13-0004	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel	269.11	17.17
		For >9, Add 33.64		
10 22 19 13-0005	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric	396.49	18.46
		For >9, Add 49.56		

10 22 19 43 Demountable Composite Partitions *(10 22 19)*

10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	281.67	21.56
		For >9, Add 35.21		
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	352.30	23.50
		For >9, Add 44.04		
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	58.98	3.23
		For Acoustical Partitions, Add	*5.26*	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	74.00	5.42
		For Acoustical Partitions, Add	*6.31*	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	62.90	3.36
		For Acoustical Partitions, Add	*5.61*	
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	89.93	4.65
		For Acoustical Partitions, Add	*8.08*	

10 22 19 53 Demountable Gypsum Partitions *(10 22 19)*

10 22 19 53-0001 Demountable Gypsum Partitions *(10 22 19 53)*

10 22 19 53-0002	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	151.43	21.56
		For >9, Add 18.93		
10 22 19 53-0003	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	266.54	23.50
		For >9, Add 33.32		
10 22 19 53-0004	LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	286.40	25.83
		For >9, Add 35.80		
10 22 19 53-0005	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad	229.02	21.56
		For >9, Add 28.63		
10 22 19 53-0006	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	380.37	23.50
		For >9, Add 47.55		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 22 23 Portable Partitions, Screens, and Panels *(10 22)*

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 13 Wall Screens *(10 22 23)*

10 22 23 13-0001 Privacy Screens, Free Standing *(10 22 23 13)*

10 22 23 13-0002	EA	62-1/2" Wide x 70" High, Single Panel, PVC Frame, Stationary, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (DQE MC4022)	218.46	23.10
10 22 23 13-0003	EA	62-1/2" Wide x 66" High, Single Panel, PVC Frame, Stationary, Privacy Screen With Blue Vinyl PVC Fabric (DQE MC5032)	477.12	23.10
10 22 23 13-0004	EA	62" Wide x 74" High, Four Panel, PVC Frame, Stationary, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (DQE MCK5022)	840.46	32.33
10 22 23 13-0005	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Vinyl Fabric (R&B Wire Products PSS-3C)	444.68	27.71
10 22 23 13-0006	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3CUS)	417.54	27.71
10 22 23 13-0007	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (R&B Wire Products PSS-3C/AM/BF)	727.11	27.71
10 22 23 13-0008	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/PB)	493.47	27.71
10 22 23 13-0009	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/WHT)	493.47	27.71
10 22 23 13-0010	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Beige Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/C)	493.47	27.71
10 22 23 13-0011	EA	81" Wide x 67" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue, Beige, Green Or Mauve Flame Retardant Anti-microbial Fabric (R&B Wire Products PSS-3C/AM/BF-M-BGF or GG)	727.11	27.71
10 22 23 13-0012	EA	81" Wide x 67" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Vinyl Fabric (R&B Wire Products PSS-3US)	406.63	27.71

10 22 23 23 Movable Panel Systems *(10 22 23)*

10 22 23 23-0001 Portable Partitions *(10 22 23 23)*

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	354.11	10.33
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	377.47	11.49
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	448.75	13.82
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	261.02	5.94
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	277.02	6.84
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	311.37	8.26
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	265.47	6.33
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	472.24	11.49
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	518.95	13.82
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	275.39	7.88
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	313.29	9.17
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	252.45	6.84
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	283.29	8.26
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	419.59	11.49
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	473.32	13.82
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	426.61	11.49
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	518.95	13.82
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	329.67	6.84
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	371.04	8.26
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	347.96	6.33
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	415.11	7.49
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	201.68	7.88
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	237.83	9.17
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	214.85	8.26
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	156.66	6.33
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	255.21	8.26
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	290.99	8.66
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	234.42	8.39

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) *(10 22 23 23)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	726.24	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	689.93	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	544.67	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	629.40	
10 22 23 23-0035	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,228.60	
10 22 23 23-0036	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	251.07	
10 22 23 23-0037	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	332.85	
10 22 23 23-0038	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	357.06	
10 22 23 23-0039	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	208.71	
10 22 23 23-0040	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,470.70	
10 22 23 23-0041	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	208.71	
10 22 23 23-0042	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,107.55	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	15.64	
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	339.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0045		Adjustable Barrier Panel System (Starc Systems, Inc.) *(10 22 23 23)*		
10 22 23 23-0046	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc S3-WM-12) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	834.15	
10 22 23 23-0047	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-WM-18) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	941.09	
10 22 23 23-0048	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc S3-WM-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,035.93	
10 22 23 23-0049	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 32" Wide (Starc S3-WM-32) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,099.19	
10 22 23 23-0050	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 42" Wide (Starc S3-WM-42) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,257.27	
10 22 23 23-0051	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-AIR-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,352.13	
10 22 23 23-0052	EA	Containment Wall/Dust Barrier, 42" Hinged Door (Starc S3-HD-42) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset it not included.	1,984.50	
10 22 23 23-0053	EA	Containment Wall/Dust Barrier, 42" Hinged Door With Handleset And Closer (Starc S3-HD-42H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,680.10	
10 22 23 23-0054	EA	Containment Wall/Dust Barrier, 54" Hinged Door With Handleset And Closer (Starc S3-HD-54H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,933.05	
10 22 23 23-0055	EA	Containment Wall/Dust Barrier, 42" Sliding Door With ICU Latch (Starc S3-SD-42) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	3,059.52	
10 22 23 23-0056	EA	Containment Wall/Dust Barrier, 54" Sliding Door With ICU Latch (Starc S3-SD-54) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	3,249.24	
10 22 23 23-0057	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc S1-RWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	485.77	
10 22 23 23-0058	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc S1-LWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	485.77	
10 22 23 23-0059	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Filler Panel Kit (Starc S1-FP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	245.48	
10 22 23 23-0060	EA	Containment Wall/Dust Barrier, Wall Mounted Differential Pressure Monitor (Starc S1-RPM-RT1) Note: Includes installation of wall mounted differential pressure monitor for containment wall.	1,460.41	
10 22 23 23-0061	EA	Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, 9/16" To 15/16" (Starc S1-FGC) Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid	16.08	
10 22 23 23-0062	EA	Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, Ultraline Grid (Starc S1-FGC-U) Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid	15.45	
10 22 23 23-0063	EA	Containment Wall/Dust Barrier, Accessories, Flexible Corner, 15 To 90 Degrees (Starc S1-FC) Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.	403.58	
10 22 23 23-0064	EA	Containment Wall/Dust Barrier, Accessories, Right Hand T-Intersection (Starc S1-OT-R) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.	593.29	
10 22 23 23-0065	EA	Containment Wall/Dust Barrier, Accessories, Left Hand T-Intersection (Starc S1-OT-L) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.	593.29	
10 22 23 23-0066	EA	Containment Wall/Dust Barrier, Accessories, T-Intersection Bracket (Starc S1-IT) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection bracket.	245.48	
10 22 23 23-0067	EA	Containment Wall/Dust Barrier, Accessories, Quad Screw Joiner Plate (Starc S1-JP) Note: Includes installation of quad screw joiner plate for containment barrier.	14.81	
10 22 23 23-0068	EA	Containment Wall/Dust Barrier, Accessories, Floor Panel Brace (Starc S3-FPB) Note: Includes installation of containment barrier floor panel brace.	258.13	
10 22 23 23-0069	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc LB-WM-12) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	517.97	
10 22 23 23-0070	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc LB-WM-18) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	593.29	
10 22 23 23-0071	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc LB-WM-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	656.52	
10 22 23 23-0072	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 36" Wide (Starc LB-WM-36) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	782.99	
10 22 23 23-0073	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 48" Wide (Starc LB-WM-48) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	877.85	
10 22 23 23-0074	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, 24" Wide (Starc LB-AIR-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	972.70	
10 22 23 23-0075	EA	Lightweight Containment Wall/Dust Barrier, 42" Hinged Door (Starc LB-HD-42H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset and closer are included	1,788.47	
10 22 23 23-0076	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc LB-RWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	340.33	
10 22 23 23-0077	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc LB-LWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	340.33	
10 22 23 23-0078	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Filler Panel (Starc LB-RFP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	289.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0079	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Filler Panel (Starc LB-LFP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	289.74	
10 22 23 23-0080	EA	Lightweight Containment Wall/Dust Barrier, Accessories, Flexible Corner (Starc LB-FC) Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.	371.95	

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	96.12	6.39
		For <135, Add	*19.22*	
10 22 33 00-0003	SF	20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	97.63	6.61
		For <135, Add	*19.53*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	102.23	6.81
		For <135, Add	*20.45*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	108.42	7.04
		For <135, Add	*21.68*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	110.33	7.25
		For <135, Add	*22.07*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	111.70	7.46
		For <135, Add	*22.34*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	113.03	7.67
		For <135, Add	*22.61*	
10 22 33 00-0009	SF	44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	114.76	8.09
		For <135, Add	*22.95*	
10 22 33 00-0010	SF	47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	121.52	8.09
		For <135, Add	*24.30*	
10 22 33 00-0011	SF	50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	128.29	8.09
		For <135, Add	*25.66*	

10 22 43 Sliding Partitions *(10 22)*

10 22 43 00-0001 Operable Wall *(10 22 43)*

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	257.30	25.28
		For 43 STC, Deduct	*-11.72*	
		For 49 STC, Add	*14.88*	
		For 52 STC, Add	*22.54*	
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	237.99	20.36
		For 43 STC, Deduct	*-11.47*	
		For 49 STC, Add	*14.56*	
		For 52 STC, Add	*22.06*	
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	223.86	16.90
		For 43 STC, Deduct	*-11.23*	
		For 49 STC, Add	*14.25*	
		For 52 STC, Add	*21.59*	
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	218.07	17.76
		For 43 STC, Deduct	*-10.67*	
		For 49 STC, Add	*13.55*	
		For 52 STC, Add	*20.53*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	203.48	14.44
		For 43 STC, Deduct	*-10.37*	
		For 49 STC, Add	*13.16*	
		For 52 STC, Add	*19.95*	
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	194.99	13.00
		For 43 STC, Deduct	*-10.12*	
		For 49 STC, Add	*12.85*	
		For 52 STC, Add	*19.46*	
10 22 43 00-0008	SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	193.09	14.01
		For 43 STC, Deduct	*-9.80*	
		For 49 STC, Add	*12.44*	
		For 52 STC, Add	*18.85*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	182.13	11.99
		For 43 STC, Deduct	*-9.49*	
		For 49 STC, Add	*12.05*	
		For 52 STC, Add	*18.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0010	SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	174.63	10.68
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.25*	
		For 49 STC, Add	*11.74*	
		For 52 STC, Add	*17.79*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	201.07	16.90
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.73*	
		For 49 STC, Add	*12.35*	
		For 52 STC, Add	*18.71*	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	184.67	12.85
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.47*	
		For 49 STC, Add	*12.02*	
		For 52 STC, Add	*18.21*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	175.24	10.83
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.25*	
		For 49 STC, Add	*11.74*	
		For 52 STC, Add	*17.79*	

10 26 Wall and Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	8.87	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.16*	
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	9.38	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.18*	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	12.19	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.32*	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	15.71	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.50*	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	15.08	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.47*	

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*
Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	15.91	6.10
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 200, Deduct	*-3.56*	
		For >200, Deduct	*-4.86*	
		For Recycled Vinyl Retainer, Deduct	*-1.15*	
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	17.47	6.10
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 200, Deduct	*-3.56*	
		For >200, Deduct	*-4.94*	
		For Recycled Vinyl Retainer, Deduct	*-1.46*	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	19.04	6.10
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 200, Deduct	*-3.56*	
		For >200, Deduct	*-5.02*	
		For Recycled Vinyl Retainer, Deduct	*-1.77*	

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	21.97	6.10
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 200, Deduct	*-3.56*	
		For >200, Deduct	*-5.17*	
		For Recycled Vinyl Retainer, Deduct	*-2.36*	

10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	30.98	8.13
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 200, Deduct	*-4.75*	
		For >200, Deduct	*-6.97*	
		For Recycled Vinyl Retainer, Deduct	*-3.48*	

10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	20.41	6.10
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 200, Deduct	*-3.56*	
		For >200, Deduct	*-5.09*	
		For Up To 2 HR Fire Rated, Add	*7.17*	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	24.13	6.10
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 200, Deduct	*-3.56*	
		For >200, Deduct	*-5.27*	
		For Up To 2 HR Fire Rated, Add	*9.77*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	22.53	6.10
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 200, Deduct	*-3.56*	
		For >200, Deduct	*-5.19*	
		For Up To 2 HR Fire Rated, Add	*8.65*	

10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	25.71	6.10
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 200, Deduct	*-3.56*	
		For >200, Deduct	*-5.35*	
		For Up To 2 HR Fire Rated, Add	*10.88*	

10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	52.08	8.13
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 200, Deduct	*-4.75*	
		For >200, Deduct	*-8.03*	
		For Up To 2 HR Fire Rated, Add	*26.96*	

10 26 13 00-0030 Flexible Vinyl Corner Guards *(10 26 13 00-0001)*

Note: Includes adhesive for installation.

10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*

10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)*

10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	11.61	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.29*	
		For Bolting To Concrete Or Masonry, Add	*2.76*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	14.40	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.43*	
		For Bolting To Concrete Or Masonry, Add	*3.18*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	16.67	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.55*	
		For Bolting To Concrete Or Masonry, Add	*3.52*	

10 26 13 00-0036 Polycarbonate Corner Guards *(10 26 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)*		
10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	8.24	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.12*	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	9.61	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.19*	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	11.20	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.27*	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	12.17	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.32*	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	11.81	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.30*	
10 26 13 00-0044		135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	12.17	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.32*	
10 26 13 00-0046		Aluminum Corner Guards *(10 26 13)*		
10 26 13 00-0047		Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)*		
10 26 13 00-0048		90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	11.01	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.26*	
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	12.86	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.36*	
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	14.00	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.41*	
10 26 13 00-0052		135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	11.01	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.26*	
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	12.86	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.36*	
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	14.00	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.41*	
10 26 13 00-0056		Steel Corner Guards *(10 26 13)*		
10 26 13 00-0057		Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*		
10 26 13 00-0058		Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*		
10 26 13 00-0059		90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*		
10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.11	4.89
		For Galvanizing, Add	*2.09*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 200, Deduct	*-2.85*	
		For >200, Deduct	*-3.96*	
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.55	5.29
		For Galvanizing, Add	*3.06*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-4.41*	
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	18.60	5.49
		For Galvanizing, Add	*3.31*	
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 200, Deduct	*-3.20*	
		For >200, Deduct	*-4.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	19.06	5.69
		For Galvanizing, Add	*3.35*	
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 200, Deduct	*-3.32*	
		For >200, Deduct	*-4.75*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	23.21	5.90
		For Galvanizing, Add	*4.68*	
		For >50 To 100, Deduct	*-2.46*	
		For >100 To 200, Deduct	*-3.44*	
		For >200, Deduct	*-5.09*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	27.38	6.10
		For Galvanizing, Add	*6.02*	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 200, Deduct	*-3.56*	
		For >200, Deduct	*-5.44*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	45.66	8.13
		For Galvanizing, Add	*11.24*	
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 200, Deduct	*-4.75*	
		For >200, Deduct	*-7.71*	

10 26 13 00-0067 Stainless Steel Corner Guards *(10 26 13)*

10 26 13 00-0068 Stainless Steel Corner Guards *(10 26 13 00-0067)*

Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.

10 26 13 00-0069 Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*

10 26 13 00-0070 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*

10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	12.06	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.32*	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	13.69	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.40*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	17.92	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.61*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	17.92	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.61*	
10 26 13 00-0075	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Acrovyn CO8 Series A230)	60.22	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-5.72*	
10 26 13 00-0076	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, PVC-free, Stainless Steel Corner Guard (Acrovyn SM Series)	48.64	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-5.14*	

10 26 13 00-0077 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*

10 26 13 00-0078	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	17.92	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.61*	
10 26 13 00-0079	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	17.92	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.61*	

10 26 13 00-0080 Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*

10 26 13 00-0081 Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0080)*

10 26 13 00-0082 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0081)*

10 26 13 00-0083	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	21.95	4.89
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 200, Deduct	*-2.85*	
		For >200, Deduct	*-4.35*	
10 26 13 00-0084	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	35.03	5.29
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-5.28*	
10 26 13 00-0085	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	47.96	5.49
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 200, Deduct	*-3.20*	
		For >200, Deduct	*-6.06*	
10 26 13 00-0086	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	45.07	5.69
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 200, Deduct	*-3.32*	
		For >200, Deduct	*-6.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0087	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	63.25	5.90
		For >50 To 100, Deduct	*-2.46*	
		For >100 To 200, Deduct	*-3.44*	
		For >200, Deduct	*-7.09*	
10 26 13 00-0088	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	58.77	6.10
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 200, Deduct	*-3.56*	
		For >200, Deduct	*-7.01*	

10 26 13 00-0089 Rubber Corner Guards *(10 26 13)*
Note: Includes adhesive for installation.

10 26 13 00-0090 Natural Rubber Corner Guards *(10 26 13 00-0089)*

10 26 13 00-0091 Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0090)*

10 26 13 00-0092 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0091)*

10 26 13 00-0093	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	48.63	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-5.14*	
		For Bolting To Concrete Or Masonry, Add	*8.31*	

10 26 13 00-0094 Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0089)*

10 26 13 00-0095 Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0094)*

10 26 13 00-0096 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0095)*

10 26 13 00-0097	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	22.86	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.86*	
		For Bolting To Concrete Or Masonry, Add	*4.45*	

10 26 13 00-0098 Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0089)*

10 26 13 00-0099 Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0098)*

10 26 13 00-0100 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0099)*

10 26 13 00-0101	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	20.27	4.07
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 200, Deduct	*-2.37*	
		For >200, Deduct	*-3.73*	
		For Bolting To Concrete Or Masonry, Add	*4.06*	

10 26 16 Bumper Guards *(10 26)*

10 26 16 13 Bumper Rails *(10 26 16)*

10 26 16 13-0001 Crash Rails *(10 26 16 13)*
Note: Includes end caps.

10 26 16 13-0002 Polycarbonate Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	14.26	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-5.05*	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	15.47	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-5.11*	

10 26 16 13-0005 Aluminum Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	36.53	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-6.17*	

10 26 16 13-0007 Stainless Steel Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	62.22	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-7.45*	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	49.37	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-6.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 26 16 13-0010 Wall Guards *(10 26 16 13)*

10 26 16 13-0011 Rigid Vinyl Wall Guards With Aluminum Retainers *(10 26 16 13-0010)*

Note: Includes end caps.

10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	14.31	4.75
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 200, Deduct	*-3.32*	
		For >200, Deduct	*-4.51*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	17.25	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-5.20*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	18.45	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-5.26*	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	19.10	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-5.30*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	22.44	5.76
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 200, Deduct	*-4.03*	
		For >200, Deduct	*-5.73*	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	22.54	5.76
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 200, Deduct	*-4.03*	
		For >200, Deduct	*-5.74*	
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	23.12	5.76
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 200, Deduct	*-4.03*	
		For >200, Deduct	*-5.76*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	27.41	6.10
		For >50 To 100, Deduct	*-3.05*	
		For >100 To 200, Deduct	*-4.27*	
		For >200, Deduct	*-6.25*	

10 26 16 13-0020 Rubber Wall Guards *(10 26 16 13-0010)*

10 26 16 13-0021 D-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	18.41	4.75
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 200, Deduct	*-3.32*	
		For >200, Deduct	*-4.72*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	26.26	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-5.65*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	37.37	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-6.21*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	51.36	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-6.91*	

10 26 16 13-0026 Rectangular, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	39.96	5.76
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 200, Deduct	*-4.03*	
		For >200, Deduct	*-6.61*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	49.83	6.10
		For >50 To 100, Deduct	*-3.05*	
		For >100 To 200, Deduct	*-4.27*	
		For >200, Deduct	*-7.37*	

10 26 16 13-0029 Wing Type, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	63.50	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-7.52*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	67.35	5.43
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.80*	
		For >200, Deduct	*-7.71*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	31.94	4.75
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 200, Deduct	*-3.32*	
		For >200, Deduct	*-5.39*	

10 26 16 13-0033 U-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	54.22	5.76
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 200, Deduct	*-4.03*	
		For >200, Deduct	*-7.32*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	60.32	5.76
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 200, Deduct	*-4.03*	
		For >200, Deduct	*-7.62*	

10 26 16 13-0036 Accent Rails *(10 26 16 13)*

Note: Includes end caps.

10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*

10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	16.41	4.75
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 200, Deduct	*-3.32*	
		For >200, Deduct	*-4.62*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	16.43	4.75
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 200, Deduct	*-3.32*	
		For >200, Deduct	*-4.62*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	22.35	4.75
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 200, Deduct	*-3.32*	
		For >200, Deduct	*-4.91*	

10 26 16 16 Protective Corridor Handrails *(10 26 16)*

10 26 16 16-0001 Protective Corridor Handrails *(10 26 16 16)*

10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*

10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	36.41	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-9.96*	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	31.82	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-9.73*	
		For >25 To 50, Deduct	*-5.09*	
		For >50 To 100, Deduct	*-7.12*	
		For >100, Deduct	*-9.73*	
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	50.18	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-10.65*	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	41.00	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-10.19*	
		For >25 To 50, Deduct	*-5.09*	
		For >50 To 100, Deduct	*-7.12*	
		For >100, Deduct	*-10.19*	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	52.47	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-10.76*	
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	57.06	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-10.99*	
		For >25 To 50, Deduct	*-5.09*	
		For >50 To 100, Deduct	*-7.12*	
		For >100, Deduct	*-10.99*	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	68.54	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-11.56*	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	75.42	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-11.91*	
		For >25 To 50, Deduct	*-5.09*	
		For >50 To 100, Deduct	*-7.12*	
		For >100, Deduct	*-11.91*	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*

10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	91.49	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-12.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	93.78	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-12.83*	
		For >25 To 50, Deduct	*-5.09*	
		For >50 To 100, Deduct	*-7.12*	
		For >100, Deduct	*-12.83*	
10 26 16 16-0014		Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*		
		Note: Includes end caps.		
10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	33.38	8.29
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 200, Deduct	*-5.80*	
		For >200, Deduct	*-8.30*	
		For Maple, Add	*0.50*	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	39.27	8.84
		For >50 To 100, Deduct	*-4.42*	
		For >100 To 200, Deduct	*-6.18*	
		For >200, Deduct	*-9.03*	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	29.79	8.29
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 200, Deduct	*-5.80*	
		For >200, Deduct	*-8.12*	
		For Maple, Add	*5.68*	
		For Oak, Add	*6.35*	
10 26 16 16-0018		Wood/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*		
10 26 16 16-0019	LF	6-1/4" High, Wood/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRBW-10CN)	76.57	10.17
		For >50 To 100, Deduct	*-5.09*	
		For >100 To 200, Deduct	*-7.12*	
		For >200, Deduct	*-11.96*	
10 26 23		**Protective Wall Covering** *(10 26)*		
10 26 23 13		**Impact Resistant Wall Protection** *(10 26 23)*		
10 26 23 13-0001		Impact Resistant Wall Protection *(10 26 23 13)*		
		Note: Includes standard trim.		
10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	9.34	3.39
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	9.65	3.39
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	11.45	3.39
10 26 23 13-0005	SF	0.10" Thickness, 4' Width, Semi-rigid Wall Cladding (Altro Whiterock Standard White 3/4)	11.18	2.66
10 26 23 13-0006	SF	0.040" Thickness, 4' Width, Semi-rigid Wall Covering (C-S Group Acrovyn 4000-949)	9.97	2.66
10 26 23 13-0007	SF	0.060" Thickness, 4' Width, Semi-rigid Wall Covering (C-S Group Acrovyn 4000-949)	12.40	2.66
10 26 23 13-0008		Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*		
		Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0009		"L" Design *(10 26 23 13-0008)*		
10 26 23 13-0010		L-Shield *(10 26 23 13-0009)*		
10 26 23 13-0011	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	18.09	3.39
10 26 23 13-0012	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	21.08	4.75
10 26 23 13-0013	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	27.66	6.10
10 26 23 13-0014	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	37.82	7.46
10 26 23 13-0015		"Combo" Hanger *(10 26 23 13-0009)*		
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe	20.47	6.78
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe	23.73	8.14
10 26 23 13-0018	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	27.41	9.49
10 26 23 13-0019	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	30.53	10.85
10 26 23 13-0020	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe	34.22	12.21
10 26 23 13-0021		Snap-2 Pipe Hanger *(10 26 23 13-0009)*		
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	17.16	6.78
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe	20.83	8.14
10 26 23 13-0024	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	24.23	9.49
10 26 23 13-0025	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	28.18	10.85
10 26 23 13-0026	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe	32.28	12.21
10 26 23 13-0027		Coupling *(10 26 23 13-0009)*		
10 26 23 13-0028	EA	Coupling, L-Shield, 1" Shield Size	11.06	3.39
10 26 23 13-0029	EA	Coupling, L-Shield, 1-1/4" Shield Size	15.97	4.75
10 26 23 13-0030	EA	Coupling, L-Shield, 2" Shield Size	22.83	6.10
10 26 23 13-0031	EA	Coupling, L-Shield, 2-1/2" Shield Size	28.58	7.46
10 26 23 13-0032		Coupling, Reducer *(10 26 23 13-0009)*		
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	30.21	4.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0034	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	37.08	4.75
10 26 23 13-0035	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	43.96	5.43
10 26 23 13-0036	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	169.19	6.78
10 26 23 13-0037		**Shield Clips** *(10 26 23 13-0009)*		
10 26 23 13-0038	EA	Shield Clips, L-Support, 1" Shield Size	6.69	2.03
10 26 23 13-0039	EA	Shield Clips, L-Support, 1-1/4" Shield Size	10.09	3.39
10 26 23 13-0040	EA	Shield Clips, L-Support, 2" Shield Size	13.35	4.75
10 26 23 13-0041	EA	Shield Clips, L-Support, 2-1/2" Shield Size	15.25	6.10
10 26 23 13-0042		**Wall Flange** *(10 26 23 13-0009)*		
10 26 23 13-0043	EA	Wall Flange, L-Shield, 1" Shield Size	10.78	3.39
10 26 23 13-0044	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	15.42	4.75
10 26 23 13-0045	EA	Wall Flange, L-Shield, 2" Shield Size	22.28	6.10
10 26 23 13-0046	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	88.95	7.46
10 26 23 13-0047		**End Cap** *(10 26 23 13-0009)*		
10 26 23 13-0048	EA	End Cap, L-Shield, 1" Shield Size	10.83	2.03
10 26 23 13-0049	EA	End Cap, L-Shield, 1-1/4" Shield Size	14.51	3.39
10 26 23 13-0050	EA	End Cap, L-Shield, 2" Shield Size	20.11	4.75
10 26 23 13-0051	EA	End Cap, L-Shield, 2-1/2" Shield Size	90.30	6.10
10 26 23 13-0052		**Inside/Outside Corner** *(10 26 23 13-0009)*		
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	66.41	6.78
10 26 23 13-0054	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	71.74	8.14
10 26 23 13-0055	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	86.71	10.18
10 26 23 13-0056	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	150.65	12.21
10 26 23 13-0057		**Joiner** *(10 26 23 13-0009)*		
10 26 23 13-0058	LF	Joiner, L-Shield	13.87	2.03
10 26 23 13-0059		**"U" Design** *(10 26 23 13-0008)*		
10 26 23 13-0060		**U-Shield** *(10 26 23 13-0059)*		
10 26 23 13-0061	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	21.68	3.39
10 26 23 13-0062	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	27.15	4.75
10 26 23 13-0063	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	34.70	4.75
10 26 23 13-0064		**"Combo" Hanger** *(10 26 23 13-0059)*		
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 3/4" Pipe	17.85	6.78
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 1" Pipe	21.25	8.14
10 26 23 13-0067	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	24.51	9.49
10 26 23 13-0068	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	30.12	10.85
10 26 23 13-0069	EA	Combination "Combo" Hanger, U-Support For 2" Pipe	34.08	12.21
10 26 23 13-0070		**Snap-2 Pipe Hanger** *(10 26 23 13-0059)*		
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	16.88	6.78
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 1" Pipe	20.56	8.14
10 26 23 13-0073	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	24.92	9.49
10 26 23 13-0074	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	27.91	10.85
10 26 23 13-0075	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe	32.15	12.21
10 26 23 13-0076		**Coupling** *(10 26 23 13-0059)*		
10 26 23 13-0077	EA	Coupling, U-Shield, 1" Shield Size	12.99	3.39
10 26 23 13-0078	EA	Coupling, U-Shield, 1-1/4" Shield Size	16.39	4.75
10 26 23 13-0079	EA	Coupling, U-Shield, 2" Shield Size	20.07	6.10
10 26 23 13-0080		**Coupling, Reducer** *(10 26 23 13-0059)*		
10 26 23 13-0081	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	35.73	4.07
10 26 23 13-0082	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	42.60	4.75
10 26 23 13-0083	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	45.34	5.43
10 26 23 13-0084		**Shield Clips** *(10 26 23 13-0059)*		
10 26 23 13-0085	EA	Shield Clips, U-Support, 1" Shield Size	6.14	2.03
10 26 23 13-0086	EA	Shield Clips, U-Support, 1-1/4" Shield Size	9.13	3.39
10 26 23 13-0087	EA	Shield Clips, U-Support, 2" Shield Size	12.11	4.75
10 26 23 13-0088		**Wall Flange** *(10 26 23 13-0059)*		
10 26 23 13-0089	EA	Wall Flange, U-Shield, 1" Shield Size	12.57	3.39
10 26 23 13-0090	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	16.25	4.75
10 26 23 13-0091	EA	Wall Flange, U-Shield, 2" Shield Size	19.94	6.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0092		**End Cap** *(10 26 23 13-0059)*		
10 26 23 13-0093	EA	End Cap, U-Shield, 1" Shield Size	11.52	2.03
10 26 23 13-0094	EA	End Cap, U-Shield, 1-1/4" Shield Size	15.61	3.39
10 26 23 13-0095	EA	End Cap, U-Shield, 2" Shield Size	19.56	4.75
10 26 23 13-0096		**Inside/Outside Corner** *(10 26 23 13-0059)*		
10 26 23 13-0097	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	83.10	6.78
10 26 23 13-0098	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	92.57	8.14
10 26 23 13-0099	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	109.61	10.18
10 26 23 13-0100		**Elbow** *(10 26 23 13-0059)*		
10 26 23 13-0101	EA	Elbow, U-Shield, 1" Shield Size	81.58	6.78
10 26 23 13-0102	EA	Elbow, U-Shield, 1-1/4" Shield Size	89.81	8.14
10 26 23 13-0103	EA	Elbow, U-Shield, 2" Shield Size	106.99	10.18
10 26 23 13-0104		**Tee** *(10 26 23 13-0059)*		
10 26 23 13-0105	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	103.54	10.18
10 26 23 13-0106	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	115.34	12.21
10 26 23 13-0107	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	134.83	14.92
10 26 23 13-0108	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	136.19	11.53
10 26 23 13-0109	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	147.26	14.24
10 26 23 13-0110		**Cross** *(10 26 23 13-0059)*		
10 26 23 13-0111	EA	Cross, U-Shield, 1" Shield Size	186.47	13.57
10 26 23 13-0112	EA	Cross, U-Shield, 1-1/4" Shield Size	209.14	16.28
10 26 23 13-0113	EA	Cross, U-Shield, 2" Shield Size	254.25	20.35
10 26 23 13-0114	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	254.99	14.92
10 26 23 13-0115	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	280.82	18.31
10 26 23 13-0116		**Transition Fittings (L to U Or U to L)** *(10 26 23 13-0008)*		
10 26 23 13-0117		**Coupling Transition** *(10 26 23 13-0116)*		
10 26 23 13-0118	EA	Transition Coupling, 1" x 1", LxU or UxL	31.89	3.39
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	36.25	4.75
10 26 23 13-0120	EA	Transition Coupling, 2" x 2", LxU or UxL	45.18	6.10
10 26 23 13-0121	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	36.15	4.07
10 26 23 13-0122	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	45.06	5.43
10 26 23 13-0123	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	177.05	6.78
10 26 23 13-0124		**Elbow Transition** *(10 26 23 13-0116)*		
10 26 23 13-0125	EA	Transition Elbow, 1" x 1" (UxL)	109.31	6.78
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	118.65	8.14
10 26 23 13-0127	EA	Transition Elbow, 2" x 2" (UxL)	139.27	10.18
10 26 23 13-0128	EA	Transition Elbow, 1" x 1-1/4" (UxL)	169.44	7.46
10 26 23 13-0129	EA	Transition Elbow, 1-1/4" x 1" (UxL)	120.32	7.46
10 26 23 13-0130	EA	Transition Elbow, 1-1/4" x 2" (UxL)	179.30	9.49
10 26 23 13-0131	EA	Transition Elbow, 2" x 1-1/4" (UxL)	139.43	9.49
10 26 23 13-0132	EA	Transition Elbow, 2" x 2-1/2" (UxL)	215.40	10.85
10 26 23 13-0133		**Tee Transition** *(10 26 23 13-0116)*		
10 26 23 13-0134	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	125.75	10.18
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	145.55	12.21
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	169.46	14.92
10 26 23 13-0137	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	133.01	11.53
10 26 23 13-0138	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	207.89	12.88
10 26 23 13-0139	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	148.51	14.24
10 26 23 13-0140	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	202.22	16.96
10 26 23 13-0141		**Fittings (L Or U)** *(10 26 23 13-0008)*		
10 26 23 13-0142		**Hugger Hangers For Steel Pipe** *(10 26 23 13-0141)*		
10 26 23 13-0143	EA	Hugger Hanger, For 1/2" Steel Pipe	13.75	5.43
10 26 23 13-0144	EA	Hugger Hanger, For 3/4" Steel Pipe	17.16	6.78
10 26 23 13-0145	EA	Hugger Hanger, For 1" Steel Pipe	20.14	8.14
10 26 23 13-0146	EA	Hugger Hanger, For 1-1/4" Steel Pipe	23.27	9.49
10 26 23 13-0147	EA	Hugger Hanger, For 1-1/2" Steel Pipe	26.25	10.85
10 26 23 13-0148	EA	Hugger Hanger, For 2" Steel Pipe	29.52	10.85
10 26 23 13-0149	EA	Hugger Hanger, For 2-1/2" Steel Pipe	32.51	13.57
10 26 23 13-0150	EA	Hugger Hanger, For 3" Steel Pipe	40.32	14.92
10 26 23 13-0151		**Hugger Hangers For Copper Pipe** *(10 26 23 13-0141)*		
10 26 23 13-0152	EA	1/2" Copper Pipe, Hugger Hanger	13.89	5.43
10 26 23 13-0153	EA	3/4" Copper Pipe, Hugger Hanger	17.29	6.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0154	EA	1" Copper Pipe, Hugger Hanger	20.28	8.14
10 26 23 13-0155	EA	1-1/4" Copper Pipe, Hugger Hanger	23.40	9.49
10 26 23 13-0156	EA	1-1/2" Copper Pipe, Hugger Hanger	26.39	10.85
10 26 23 13-0157	EA	2" Copper Pipe, Hugger Hanger	29.80	12.21
10 26 23 13-0158	EA	2-1/2" Copper Pipe, Hugger Hanger	32.79	13.57
10 26 23 13-0159	EA	3" Copper Pipe, Hugger Hanger	40.74	14.92

10 26 23 13-0160 Shield Extension (L Or U) *(10 26 23 13-0141)*

10 26 23 13-0161	LF	Shield Extension	16.76	2.03

10 26 23 13-0162 Interior Steel Soffit System *(10 26 23 13)*

Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.

10 26 23 13-0163	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	32.26	6.10
		For 22 Gauge Steel, Add	*2.01*	
		For 20 Gauge Steel, Add	*4.29*	
		For 18 Gauge Steel, Add	*8.42*	
		For 16 Gauge Steel, Add	*12.93*	
		For Stainless Steel, Add	*5.01*	
10 26 23 13-0164	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	52.18	16.96
		For Stainless Steel, Add	*4.57*	
10 26 23 13-0165	EA	U-Shield Corner (JG Innovations Soffi-Steel)	127.30	20.35
		For Stainless Steel, Add	*21.31*	
10 26 23 13-0166	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	39.84	10.18
		For Stainless Steel, Add	*4.87*	
10 26 23 13-0167	EA	U-Shield Clip (JG Innovations Soffi-Steel)	8.92	4.07
		For Stainless Steel, Add	*0.20*	
10 26 23 13-0168	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	36.52	6.10
		For 22 Gauge Steel, Add	*1.82*	
		For 20 Gauge Steel, Add	*3.89*	
		For 18 Gauge Steel, Add	*7.54*	
		For 16 Gauge Steel, Add	*12.64*	
		For Stainless Steel, Add	*6.08*	
10 26 23 13-0169	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	52.18	16.96
		For Stainless Steel, Add	*4.57*	
10 26 23 13-0170	EA	L-Shield Corner (JG Innovations Soffi-Steel)	127.30	20.35
		For Stainless Steel, Add	*21.31*	
10 26 23 13-0171	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	34.41	7.46
		For Stainless Steel, Add	*4.87*	
10 26 23 13-0172	EA	L-Shield Clip (JG Innovations Soffi-Steel)	8.92	4.07
		For Stainless Steel, Add	*0.20*	

10 26 41 Bullet Resistant Panels *(10 26)*

10 26 41 00-0001 Laminated Bullet Resistant Fiberglass Panel *(10 26 41)*

Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.

10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF	23.54	1.92
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF	31.99	2.05
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF	36.12	2.18
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF	38.44	2.32
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF	41.61	2.45
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF	44.77	2.59
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF	75.35	3.14
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF	108.17	4.92
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF	128.44	5.87
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF	155.28	6.41
10 26 41 00-0012	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 Lb./SF	176.44	6.82

10 28 Toilet, Bath, and Laundry Accessories *(10 20)*

10 28 13 Toilet Accessories *(10 28)*

10 28 13 13 Commercial Toilet Accessories *(10 28 13)*

10 28 13 13-0001 Toilet Accessories *(10 28 13 13)*

10 28 13 13-0002 Dispensers *(10 28 13 13-0001)*

10 28 13 13-0003 Paper Towel Dispensers *(10 28 13 13-0002)*

10 28 13 13-0004 Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	121.52	30.51
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	129.15	30.51
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	130.28	30.51
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	132.47	30.51
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	192.76	30.51
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	209.43	30.51
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	225.68	30.51
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	227.82	13.56
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	386.12	30.51
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	451.44	30.51
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	487.62	30.51
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	283.92	30.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	163.86	16.95
10 28 13 13-0018	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (American Specialties 6457)	532.12	30.51
10 28 13 13-0019		**Plastic Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	95.51	30.51
10 28 13 13-0021	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	183.15	30.51
10 28 13 13-0022	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	181.97	30.51
10 28 13 13-0023	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	156.77	30.51
10 28 13 13-0024		**Aluminum Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0025	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	103.15	30.51
10 28 13 13-0026		**Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0027		**Plastic Toilet Tissue Dispensers** *(10 28 13 13-0026)*		
10 28 13 13-0028	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	95.23	30.51
10 28 13 13-0029	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	112.46	30.51
10 28 13 13-0030	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	84.15	30.51
10 28 13 13-0031	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	97.16	30.51
10 28 13 13-0032	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 59209)	106.97	30.51
10 28 13 13-0033		**Cast Aluminum Toilet Tissue Dispensers** *(10 28 13 13-0026)*		
10 28 13 13-0034	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	87.32	30.51
10 28 13 13-0035	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	87.88	30.51
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	91.84	30.51
10 28 13 13-0037	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	99.19	30.51
10 28 13 13-0038	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	126.32	30.51
10 28 13 13-0039		**Stainless Steel Toilet Tissue Dispensers** *(10 28 13 13-0026)*		
10 28 13 13-0040	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	76.29	30.51
10 28 13 13-0041	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	193.06	30.51
10 28 13 13-0042	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	117.99	30.51
10 28 13 13-0043	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	113.04	30.51
10 28 13 13-0044	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	121.66	30.51
10 28 13 13-0045	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	155.89	33.90
10 28 13 13-0046	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	121.66	30.51
10 28 13 13-0047	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	155.89	30.51
10 28 13 13-0048	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	166.89	30.51
10 28 13 13-0049	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	253.21	30.51
10 28 13 13-0050	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	253.21	30.51
10 28 13 13-0051	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	113.22	30.51
10 28 13 13-0052	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	130.56	30.51
10 28 13 13-0053	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	86.74	30.51
10 28 13 13-0054	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	139.33	30.51
10 28 13 13-0055	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	193.88	30.51
10 28 13 13-0056	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	199.55	30.51
10 28 13 13-0057	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	252.13	30.51
10 28 13 13-0058	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	231.42	30.51
10 28 13 13-0059	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	356.84	30.51
10 28 13 13-0060	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	158.56	30.51
10 28 13 13-0061	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	147.50	30.51
10 28 13 13-0062	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	121.27	30.51
10 28 13 13-0063	EA	Dual Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 9030)	197.03	30.51
10 28 13 13-0064	EA	Dual Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 0030)	146.00	30.51
10 28 13 13-0065	EA	Twin, Hide-A-Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 20030)	195.61	30.51
10 28 13 13-0066	EA	Twin, 9" Jumbo Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 0040)	211.48	30.51
10 28 13 13-0067		**Soap or Sanitizer Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0068	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	111.63	30.51
		For 34 Fluid Ounce (B-822), Add	*5.30*	
10 28 13 13-0069	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	120.11	30.51
		For 34 Fluid Ounce (B-822), Add	*5.30*	
10 28 13 13-0070	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	79.40	30.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0071	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	85.33	30.51
10 28 13 13-0072	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	103.23	30.51
10 28 13 13-0073	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	105.68	30.51
10 28 13 13-0074	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	113.32	30.51
10 28 13 13-0075	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	140.18	30.51
10 28 13 13-0076	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	233.18	30.51
10 28 13 13-0077	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	363.50	30.51
10 28 13 13-0078	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	230.72	30.51
10 28 13 13-0079		Sanitizer Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0080		Manual Sanitizer Dispensers *(10 28 13 13-0079)*		
10 28 13 13-0081	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purelll 5020-01)	92.47	30.51
10 28 13 13-0082	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purelll 4510-00)	93.68	30.51
10 28 13 13-0083	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV)	93.30	30.51
10 28 13 13-0084		Automatic Sanitizer Dispensers *(10 28 13 13-0079)*		
10 28 13 13-0085	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	87.31	30.51
10 28 13 13-0086	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 6420-01 ES6)	109.92	30.51
10 28 13 13-0087	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6)	104.28	30.51
10 28 13 13-0088	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 7720-01 ES8)	111.19	30.51
10 28 13 13-0089	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	126.16	30.51
10 28 13 13-0090	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 5240-06)	126.87	30.51
10 28 13 13-0091		Automatic Floor Stand Sanitizer Dispensers *(10 28 13 13-0079)*		
10 28 13 13-0092	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS)	576.85	10.17
10 28 13 13-0093	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	620.14	10.17
10 28 13 13-0094	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	644.34	10.17
10 28 13 13-0095		Facial Tissue Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0096	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	126.90	30.51
10 28 13 13-0097	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	95.43	30.51
10 28 13 13-0098		Sanitary Toilet Seat Cover Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0099	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	78.26	30.51
10 28 13 13-0100	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	100.60	30.51
10 28 13 13-0101	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	171.00	30.51
10 28 13 13-0102	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	181.45	30.51
10 28 13 13-0103	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	345.13	30.51
10 28 13 13-0104	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Georgia Pacific GP-57710)	72.49	30.51
10 28 13 13-0105		Sanitary Toilet Seat Cover/Toilet Tissue Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0106	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	540.34	30.51
10 28 13 13-0107	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	335.44	30.51
10 28 13 13-0108		Sanitary Napkin/Tampon Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0109	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	664.61	30.51
10 28 13 13-0110	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	507.98	30.51
10 28 13 13-0111	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	673.23	30.51
10 28 13 13-0112	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	514.47	30.51
10 28 13 13-0113	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	453.90	30.51
10 28 13 13-0114	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45)	591.98	30.51
10 28 13 13-0115		Toilet Compartment Combination Dispenser/Disposals *(10 28 13 13-0002)*		
10 28 13 13-0116	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	485.13	67.80
10 28 13 13-0117	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	539.02	67.80
10 28 13 13-0118	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	450.88	67.80
10 28 13 13-0119	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	625.54	67.80
10 28 13 13-0120	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	642.21	67.80
10 28 13 13-0121	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	735.23	67.80
10 28 13 13-0122	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	690.74	67.80
10 28 13 13-0123		Receptacles *(10 28 13 13-0001)*		
10 28 13 13-0124		Wall Mounted Waste Receptacles *(10 28 13 13-0123)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0125	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	113.28	30.51
10 28 13 13-0126	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	181.16	30.51
10 28 13 13-0127	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	417.75	67.80
10 28 13 13-0128	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	608.86	67.80
10 28 13 13-0129	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	487.01	67.80
10 28 13 13-0130	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (American Specialties 0458)	360.44	67.80
10 28 13 13-0131	EA	12 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (American Specialties 0826)	210.10	30.51

10 28 13 13-0132 Floor-Standing/Counter Waste Receptacles *(10 28 13 13-0123)*

10 28 13 13-0133	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	131.84	30.51
10 28 13 13-0134	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	184.28	30.51
10 28 13 13-0135	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	336.40	13.56
10 28 13 13-0136	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	506.60	13.56
10 28 13 13-0137	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	474.88	13.56
10 28 13 13-0138	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	456.84	13.56
10 28 13 13-0139	EA	35 Gallon, Open Top, Satin Aluminum, Floor Standing Waste Receptacle (Rubbermaid Atrium AOT35)	837.65	13.56
10 28 13 13-0140		32-3/4" Height x 18-1/2" Width x 19-1/2" Depth, Soiled Linen Hamper With Wallaby (Centurion CX302) Note: Preassembled	447.64	

10 28 13 13-0141 Combination Paper Towel Dispenser/ Waste Receptacle *(10 28 13 13-0123)*

10 28 13 13-0142	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	349.90	67.80
10 28 13 13-0143	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	548.64	67.80
10 28 13 13-0144	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	540.73	67.80
10 28 13 13-0145	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	775.52	67.80
10 28 13 13-0146	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,058.99	67.80
10 28 13 13-0147	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	898.64	67.80
10 28 13 13-0148	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	697.94	67.80
10 28 13 13-0149	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,116.32	67.80
10 28 13 13-0150	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,036.31	74.58
10 28 13 13-0151	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	704.97	74.58

10 28 13 13-0152 Sanitary Napkin/Tampon Receptacles *(10 28 13 13-0123)*

10 28 13 13-0153	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	106.53	33.90
10 28 13 13-0154	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	199.78	33.90
10 28 13 13-0155	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	216.22	33.90
10 28 13 13-0156	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	488.19	33.90
10 28 13 13-0157	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	264.84	33.90
10 28 13 13-0158	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	454.55	33.90
10 28 13 13-0159	EA	Surface Mounted, Stainless Steel, Dual Access, Sanitary Napkin Disposal (American Specialties 472)	262.71	33.90

10 28 13 13-0160 Grab Bars *(10 28 13 13-0001)*

10 28 13 13-0161 1-1/4" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0160)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0162	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	102.41	27.12
		For Peened Grip, Add	*4.95*	
10 28 13 13-0163	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	116.46	27.12
		For Peened Grip, Add	*6.21*	
10 28 13 13-0164	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	117.87	27.12
		For Peened Grip, Add	*6.34*	
10 28 13 13-0165	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	118.53	27.12
		For Peened Grip, Add	*6.40*	
10 28 13 13-0166	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	118.71	27.12
		For Peened Grip, Add	*6.41*	
10 28 13 13-0167	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	122.11	27.12
		For Peened Grip, Add	*6.72*	
10 28 13 13-0168	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	127.47	27.12
		For Peened Grip, Add	*7.20*	
10 28 13 13-0169	EA	36" Length, 1-1/4" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641275)	120.36	23.10
10 28 13 13-0170	EA	42" Length, 1-1/4" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641277)	123.20	23.10

10 28 13 13-0171 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars *(10 28 13 13-0160)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0172	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	190.81	27.12
		For Peened Grip, Add	*12.29*	
10 28 13 13-0173	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	194.47	27.12
		For Peened Grip, Add	*12.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0174		**1-1/2" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0160)* Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0175	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	115.28	27.12
		For Peened Grip, Add	*6.10*	
10 28 13 13-0176	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	116.46	27.12
		For Peened Grip, Add	*6.21*	
10 28 13 13-0177	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	118.71	27.12
		For Peened Grip, Add	*6.41*	
10 28 13 13-0178	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	120.98	27.12
		For Peened Grip, Add	*6.62*	
10 28 13 13-0179	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	123.80	27.12
		For Peened Grip, Add	*6.87*	
10 28 13 13-0180	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	126.35	27.12
		For Peened Grip, Add	*7.10*	
10 28 13 13-0181	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	132.57	27.12
		For Peened Grip, Add	*7.66*	
10 28 13 13-0182	EA	36" Length, 1-1/2" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641279)	123.91	23.10
10 28 13 13-0183		**1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0160)* Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0184	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	175.53	27.12
		For Peened Grip, Add	*10.92*	
10 28 13 13-0185	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	187.70	27.12
		For Peened Grip, Add	*12.01*	
10 28 13 13-0186	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	164.79	27.12
		For Peened Grip, Add	*9.95*	
10 28 13 13-0187		**1-1/4" Diameter, Stainless Steel Swing Up Grab Bars** *(10 28 13 13-0160)* Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0188	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	489.63	27.12
		For Peened Grip, Add	*39.80*	
10 28 13 13-0189		**Shelves** *(10 28 13 13-0001)*		
10 28 13 13-0190	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	133.67	30.51
10 28 13 13-0191	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	137.07	30.51
10 28 13 13-0192	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	152.62	30.51
10 28 13 13-0193	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	156.53	30.51
10 28 13 13-0194	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	150.37	30.51
10 28 13 13-0195	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	152.21	30.51
10 28 13 13-0196	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	161.38	30.51
10 28 13 13-0197	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	174.66	30.51
10 28 13 13-0198	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	202.74	30.51
10 28 13 13-0199	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	161.66	30.51
10 28 13 13-0200	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	164.49	30.51
10 28 13 13-0201	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	189.38	30.51
10 28 13 13-0202	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	200.60	30.51
10 28 13 13-0203	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	217.91	30.51
10 28 13 13-0204	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	265.00	30.51
10 28 13 13-0205	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	350.80	30.51
10 28 13 13-0206	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	172.48	30.51
10 28 13 13-0207		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0208	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	480.24	40.68
10 28 13 13-0209	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	507.54	40.68
10 28 13 13-0210	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	423.01	40.68
10 28 13 13-0211	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,972.91	40.68
10 28 13 13-0212	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,288.24	40.68
10 28 13 13-0213	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,972.91	40.68
10 28 13 13-0214	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,288.24	40.68
10 28 13 13-0215	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (American Specialties 9012)	454.82	40.68
10 28 13 13-0216	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bradley 962)	1,822.28	40.68
10 28 13 13-0217		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0218	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	608.53	54.24
10 28 13 13-0219	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	786.64	54.24
10 28 13 13-0220	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	2,382.43	54.24
10 28 13 13-0221	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,883.21	
10 28 13 13-0222		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0223	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	73.26	30.51
10 28 13 13-0224	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	75.23	30.51
10 28 13 13-0225	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	126.88	30.51
10 28 13 13-0226	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	136.78	30.51
10 28 13 13-0227		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0228	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	3.59	1.36
10 28 13 13-0229	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	55.68	13.56
10 28 13 13-0230	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	58.09	13.56
10 28 13 13-0231	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	100.88	30.51
10 28 13 13-0232	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	107.11	30.51
10 28 13 13-0233	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	114.74	30.51
10 28 13 13-0234	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	124.07	30.51
10 28 13 13-0235	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	90.14	30.51
10 28 13 13-0236	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	97.49	30.51
10 28 13 13-0237	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	101.73	30.51
10 28 13 13-0238	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	107.11	30.51
10 28 13 13-0239	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	93.25	30.51
10 28 13 13-0240	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	99.47	30.51
10 28 13 13-0241	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	106.81	30.51
10 28 13 13-0242	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	111.91	30.51

10 28 13 13-0243 Hand Dryers *(10 28 13 13-0001)*

10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	545.95	32.47
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	587.49	32.47
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	650.26	32.47
10 28 13 13-0247	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	918.21	32.47
10 28 13 13-0248	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	567.16	32.47
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	625.35	32.47
10 28 13 13-0250	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,632.86	32.47
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	2,742.17	32.47
10 28 13 13-0252	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	2,858.78	32.47
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	702.56	32.47
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,806.41	32.47
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	3,040.95	32.47
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,335.96	32.47
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,410.65	32.47
10 28 13 13-0258	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,453.33	32.47
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,496.01	32.47
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,581.36	32.47
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	1,079.90	32.47
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	1,154.58	32.47
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	1,197.26	32.47
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	1,239.94	32.47
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) Note: Electronically adjustable sound and speed.	1,325.30	32.47
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7) Note: Electronically adjustable sound and speed.	1,079.90	32.47
10 28 13 13-0267	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M) Note: Electronically adjustable sound and speed.	1,154.58	32.47
10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG) Note: Electronically adjustable sound and speed.	1,197.26	32.47
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C) Note: Electronically adjustable sound and speed.	1,239.94	32.47
10 28 13 13-0270	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS) Note: Electronically adjustable sound and speed.	1,325.30	32.47
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	781.15	32.47
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	855.84	32.47
10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	898.52	32.47
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	941.19	32.47
10 28 13 13-0275	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	1,026.55	32.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	781.15	32.47
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	855.84	32.47
10 28 13 13-0278	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	898.52	32.47
10 28 13 13-0279	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	941.19	32.47
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	1,026.55	32.47
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	567.76	32.47
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	642.45	32.47
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	727.80	32.47

10 28 13 13-0284 Hand Dryers (Excel XLERATOR®) *(10 28 13 13-0001)*

Note: With or without noise reduction nozzle options.

10 28 13 13-0285	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,109.78	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0286	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH)	1,562.53	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0287	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,302.03	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0288	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	1,627.66	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0289	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	1,399.72	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0290	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,725.35	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0291	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	1,399.72	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0292	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	1,725.35	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0293	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	1,302.03	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0294	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,627.66	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0295	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	1,171.78	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0296	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH)	1,497.41	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0297	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	1,109.78	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0298	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO)	1,562.53	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0299	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	1,302.03	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0300	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO)	1,627.66	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0301	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	1,399.72	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0302	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO)	1,725.35	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0303	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	1,399.72	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0304	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO)	1,725.35	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0305	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	1,302.03	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0306	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO)	1,627.66	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0307	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	1,171.78	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	
10 28 13 13-0308	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO)	1,497.41	32.47
		For ADA-Compliant Recess Kit, Add	*174.70*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0309		Additional Accessories *(10 28 13 13-0001)*		
10 28 13 13-0310		Hooks *(10 28 13 13-0309)*		
10 28 13 13-0311	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	36.45	13.56
10 28 13 13-0312	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	42.67	13.56
10 28 13 13-0313	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	37.01	13.56
10 28 13 13-0314	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	39.79	13.56
10 28 13 13-0315	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	63.02	13.56
10 28 13 13-0316	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	57.36	13.56
10 28 13 13-0317	EA	Five Hook Aluminum Coat Rack (Peter Pepper Products 214XLAL)	217.54	13.56
10 28 13 13-0318	EA	Stainless Steel Coat Hook Pair (Mockett HK2A-SS)	83.37	13.56
10 28 13 13-0319	EA	Polished, Single Stainless Steel Coat Hook (Mockett CH23A-PSS)	57.68	13.56
10 28 13 13-0320	EA	Single Stainless Steel Double Robe Hook, Bright Finish (American Specialties 7345-B)	41.72	13.56
10 28 13 13-0321		Clotheslines *(10 28 13 13-0309)*		
10 28 13 13-0322	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	63.72	27.12
10 28 13 13-0323		Towel Bars *(10 28 13 13-0309)*		
10 28 13 13-0324	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	78.96	30.51
10 28 13 13-0325	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	79.18	30.51
10 28 13 13-0326	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	87.47	30.51
10 28 13 13-0327	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	88.26	30.51
10 28 13 13-0328	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	124.63	30.51
10 28 13 13-0329	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	129.43	30.51
10 28 13 13-0330	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	128.31	30.51
10 28 13 13-0331	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747))	132.26	30.51
10 28 13 13-0332	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	139.34	30.51
10 28 13 13-0333	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	143.54	30.51
10 28 13 13-0334	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	108.52	30.51
10 28 13 13-0335	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	112.19	30.51
10 28 13 13-0336		Towel Bar With Shelf *(10 28 13 13-0309)*		
10 28 13 13-0337	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	232.06	30.51
10 28 13 13-0338		Towel Pins *(10 28 13 13-0309)*		
10 28 13 13-0339	EA	Stainless Steel Towel Pin (Bobrick B-677)	61.05	13.56
10 28 13 13-0340		Mirrors *(10 28 13 13)*		
10 28 13 13-0341		Stainless Steel Channel Frame Glass Mirrors *(10 28 13 13-0340)*		
10 28 13 13-0342	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	138.28	33.90
10 28 13 13-0343	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	156.12	33.90
10 28 13 13-0344	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	162.30	33.90
		For Tempered Glass (B-1658), Add	*51.91*	
10 28 13 13-0345	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	174.98	33.90
		For Tempered Glass (B-1658), Add	*60.79*	
10 28 13 13-0346	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	191.24	33.90
10 28 13 13-0347	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	198.08	33.90
		For Tempered Glass (B-1658), Add	*76.96*	
10 28 13 13-0348	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	242.96	33.90
10 28 13 13-0349	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	279.72	33.90
10 28 13 13-0350	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	335.89	33.90
10 28 13 13-0351	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	421.20	33.90
10 28 13 13-0352	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	473.03	33.90
10 28 13 13-0353		Stainless Steel Channel Frame Glass Mirror/Shelf Combination *(10 28 13 13-0340)*		
10 28 13 13-0354	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	251.41	33.90
10 28 13 13-0355	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	270.60	33.90
10 28 13 13-0356	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	283.29	33.90
10 28 13 13-0357	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	319.07	33.90
10 28 13 13-0358		Stainless Steel Angle Frame Glass Mirrors *(10 28 13 13-0340)*		
10 28 13 13-0359	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	224.38	33.90
10 28 13 13-0360	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	245.56	33.90
		For Tempered Glass (B-2908), Add	*103.90*	
10 28 13 13-0361	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	252.71	33.90
		For Tempered Glass (B-2908), Add	*108.62*	
10 28 13 13-0362	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	295.00	33.90
10 28 13 13-0363	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	296.62	33.90
		For Tempered Glass (B-2908), Add	*137.60*	
10 28 13 13-0364	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	394.52	33.90
10 28 13 13-0365	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	462.82	33.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0366	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	526.58	33.90
10 28 13 13-0367	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	352.96	33.90
10 28 13 13-0368	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	428.96	33.90
10 28 13 13-0369	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	653.78	33.90
10 28 13 13-0370		**Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0340)*		
10 28 13 13-0371	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	231.79	33.90
10 28 13 13-0372	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	451.44	33.90
10 28 13 13-0373	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	472.92	33.90
10 28 13 13-0374	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	526.58	33.90
10 28 13 13-0375		**Frameless Stainless Steel Mirrors** *(10 28 13 13-0340)*		
10 28 13 13-0376	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	250.76	33.90
10 28 13 13-0377	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	322.63	33.90
10 28 13 13-0378		**Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0340)*		
10 28 13 13-0379	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	338.90	33.90
10 28 13 13-0380	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	352.90	33.90
10 28 13 13-0381	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	426.08	33.90
10 28 13 13-0382	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	522.67	33.90
10 28 13 13-0383		**Medicine Cabinets** *(10 28 13 13)*		
10 28 13 13-0384		**Metal Medicine Cabinets** *(10 28 13 13-0383)*		
10 28 13 13-0385	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	273.11	67.80
10 28 13 13-0386	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	278.52	67.80
10 28 13 13-0387	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	286.57	67.80
10 28 13 13-0388	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	593.31	67.80
10 28 13 13-0389	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	803.93	67.80
10 28 13 13-0390		**Janitorial Material** *(10 28 13 13)*		
10 28 13 13-0391	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	57.36	13.56
10 28 13 13-0392	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	147.53	30.51
10 28 13 13-0393	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	142.45	30.51
10 28 13 13-0394	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	160.35	30.51
10 28 13 13-0395	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	178.06	30.51
10 28 13 13-0396	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	122.57	30.51
10 28 13 13-0397	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	321.11	30.51
10 28 13 13-0398	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	457.67	30.51
10 28 13 13-0399		**Removal And Reinstallation Of Bathroom Accessories** *(10 28 13 13)* Note: Includes storage, cleaning and supply materials.		
10 28 13 13-0400	EA	Removal And Reinstallation Of Bathroom Accessory	42.38	
10 28 13 19		**Healthcare Toilet Accessories** *(10 28 13)*		
10 28 13 19-0001		**Healthcare Toilet Accessories** *(10 28 13 19)*		
10 28 13 19-0002	EA	Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	208.15	42.45
10 28 13 19-0003	EA	Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	732.03	42.45
10 28 13 19-0004	EA	Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	274.19	112.95
10 28 13 63		**Detention Toilet Accessories** *(10 28 13)*		
10 28 13 63-0001		**Ligature Resistant, Toilet Accessories** *(10 28 13 63)*		
10 28 13 63-0002	EA	Recessed Mounted, White, Enviro-Glaze, Ligature Resistant, Toilet Paper Holder (Whitehall MFG WH1847)	778.71	105.59
10 28 13 63-0003		**Ligature Resistant, Mirrors** *(10 28 13 63)*		
10 28 13 63-0004	EA	16" Width x 26" Height, Framed, Ligature Resistant, Solid Surface Infused Mirror (Whitehall WH1815-OCC11)	559.54	23.10
10 28 13 63-0005		**Ligature Resistant, Stainless Steel Grab Bar** *(10 28 13 63)*		
10 28 13 63-0006	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	212.88	27.12
10 28 13 63-0007	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	222.20	27.12
10 28 13 63-0008	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	228.40	27.12
10 28 13 63-0009	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	252.20	27.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 63-0010	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	504.90	27.12
10 28 13 63-0011	EA	36" Length, 1-1/2" Diameter, Ligature Resistant, Satin Finish, Stainless Steel Grab Bar with Closure Plate (Whitehall WH1109-4)	425.12	23.10

10 28 16 Bath Accessories *(10 28)*

10 28 16 13 Residential Bath Accessories *(10 28 16)*

10 28 16 13-0001 Residential Toilet Accessories *(10 28 16 13)*

10 28 16 13-0002 Residential, Recessed, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*

10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	148.57	30.51
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	220.26	30.51
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	234.84	30.51
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	154.74	30.51

10 28 16 13-0007 Residential, Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*

10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	98.91	20.34
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	115.16	20.34
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	115.16	20.34
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	241.86	20.34
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	200.97	20.34
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	127.04	27.12
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	128.87	27.12
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	94.90	20.34
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	85.35	13.56
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	98.91	20.34
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	207.86	20.34
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	120.77	20.34
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	128.13	13.56
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	402.96	20.34
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	192.99	20.34
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	95.79	20.34
10 28 16 13-0024	EA	Surface Mounted, Chrome, Double Standard Toilet Tissue Holder (Frost 150)	113.99	23.10
10 28 16 13-0025	EA	Surface Mounted, Chrome, Standard Toilet Tissue Holder (Frost 146)	107.96	23.10

10 28 16 13-0026 Residential Toilet Accessories *(10 28 16 13-0001)*

10 28 16 13-0027	EA	Surface Mounted Plastic Paper Towel Dispenser	126.46	30.51
10 28 16 13-0028	EA	Surface Mounted Plastic Napkin Disposal	112.01	30.51
10 28 16 13-0029	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	117.11	
10 28 16 13-0030	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	132.41	30.51
10 28 16 13-0031	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	126.51	30.51
10 28 16 13-0032	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	154.99	37.29
10 28 16 13-0033	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	86.58	27.12
10 28 16 13-0034	EA	13 Gallon Plastic Waste Door For Countertops	297.21	50.85

10 28 16 13-0035 Residential, Ceramic Toilet Accessories *(10 28 16 13-0001)*

10 28 16 13-0036	EA	4-1/8" x 4-1/8" x 2-7/8" Deep Ceramic Recessed Soap Dish	139.87	28.07
10 28 16 13-0037	EA	6" x 4-1/4" x 3-1/8" Deep Ceramic Recessed Soap Dish	163.67	28.07
10 28 16 13-0038	EA	8-1/8" x 15-3/8" x 2-7/8" Deep Ceramic Recessed Soap And Suds	279.50	35.26
10 28 16 13-0039	EA	6" x 6" x 3-1/4" Deep Ceramic Recessed Toilet Paper Holder	154.15	28.07
10 28 16 13-0040	EA	6" x 6" x 4-7/8" Deep Ceramic Recessed Soap And Cloth Holder With Lip Drain	192.24	28.07
10 28 16 13-0041	EA	6-3/8" x 4-3/4" x 1-3/8" Deep Ceramic Semi-Recessed Soap Dish	127.97	28.07
10 28 16 13-0042	EA	6-3/8" x 6-3/8" x 1-3/4" Deep Ceramic Semi-Recessed Soap Dish	136.54	28.07
10 28 16 13-0043	EA	6-5/8" x 5" x 2-3/8" Deep Ceramic Semi-Recessed Toilet Paper Holder	123.21	28.07
10 28 16 13-0044	EA	6-5/8" x 4-7/8" x 2-3/8" Deep Ceramic Semi-Recessed Soap And Cloth Holder	130.35	28.07
10 28 16 13-0045	EA	7-1/4" x 3" Ceramic Surface Mounted Corner Shelf	121.79	18.31
10 28 16 13-0046	EA	4-1/2" x 2-1/4" Ceramic Surface Mounted Corner Shelf	109.79	18.31
10 28 16 13-0047	EA	4" x 6" Ceramic Surface Mounted Toilet Paper Holder	86.09	18.31
10 28 16 13-0048	EA	4" x 6" Ceramic Surface Mounted Tub Soap Dish	86.71	18.31
10 28 16 13-0049	EA	4-1/4" x 4-1/4" Ceramic Surface Mounted Soap Dish	81.28	18.31
10 28 16 13-0050	EA	2-1/8" x 4-1/4" Ceramic Surface Mounted Low Profile Soap Dish	74.04	18.31
10 28 16 13-0051	EA	4" x 6" Ceramic Surface Mounted Tub Soap Dish And Cloth Holder	92.20	18.31
10 28 16 13-0052	EA	4-1/4" x 4-1/4" Ceramic Surface Mounted Toothbrush/Tumbler Holder	81.28	18.31
10 28 16 13-0053	EA	2-1/8" x 4-1/4" Ceramic Surface Mounted Toothbrush/Tumbler Holder	74.04	18.31
10 28 16 13-0054	EA	1-1/2" x 4-1/4" Ceramic Surface Mounted Towel Ring	85.16	18.31

10 28 16 13-0055 Residential Medicine Cabinets, Solid Oak *(10 28 16 13-0001)*

Note: Surface or recessed mounted, premium quality.

10 28 16 13-0056	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	347.33	67.80
10 28 16 13-0057	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	448.15	67.80
10 28 16 13-0058	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	363.86	67.80
10 28 16 13-0059	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	470.70	67.80
10 28 16 13-0060	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	374.28	67.80
10 28 16 13-0061	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	490.50	67.80
10 28 16 13-0062	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	388.60	67.80
10 28 16 13-0063	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	514.71	67.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 28 19 Tub and Shower Enclosures *(10 28)*

10 28 19 16 Shower Doors *(10 28 19)*

10 28 19 16-0001 Swinging Shower Doors *(10 28 19 16)*

10 28 19 16-0002 Framed, Swinging Shower Doors *(10 28 19 16-0001)*

10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	580.78	64.86
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	610.33	32.43
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	732.91	32.43
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	607.19	32.43
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	649.05	32.43

10 28 19 16-0008 Frameless, Swinging Shower Doors *(10 28 19 16-0001)*

10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	896.06	32.43
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	937.03	32.43
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	975.58	32.43
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	1,016.55	32.43
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,056.32	32.43

10 28 19 16-0014 Sliding Shower Doors *(10 28 19 16)*

10 28 19 16-0015 Framed, Sliding Shower Doors *(10 28 19 16-0014)*

10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	977.37	32.43
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	894.46	32.43
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	916.79	32.43
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	940.54	32.43
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	953.79	32.43
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	973.40	32.43

10 28 19 16-0022 Frameless, Sliding Shower Doors *(10 28 19 16-0014)*

10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	1,013.67	32.43
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	1,239.21	32.43
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	1,315.12	32.43
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,186.35	32.43
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,202.97	32.43
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,357.45	32.43

10 28 19 19 Tub Doors *(10 28 19)*

10 28 19 19-0001 Sliding Bathtub Doors *(10 28 19 19)*

10 28 19 19-0002 Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*

10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	869.53	32.43
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	879.09	32.43
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	900.69	32.43

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,769.60	44.07
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*60.06*	
		For Swing Key Hook Panel, Add	*159.06*	
		For Non-Locking Weather Housing, Add	*400.17*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,876.01	44.07
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*60.06*	
		For Swing Key Hook Panel, Add	*159.06*	
		For Second Swing Key Hook Panel, Add	*126.06*	
		For Non-Locking Weather Housing, Add	*400.17*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	886.44	44.07
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	780.03	44.07
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*65.29*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	1,040.73	44.07
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*65.29*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	1,107.23	44.07
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*65.29*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	446.91	55.60
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	454.70	55.60
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	456.25	55.60
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	504.54	55.60
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	630.71	55.60
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	647.84	55.60

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	427.99	55.60
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	434.09	55.60
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	444.26	55.60
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	461.55	55.60
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	514.92	55.60
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	531.19	55.60

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	583.97	55.60
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	597.74	55.60
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	604.63	55.60
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	651.68	55.60
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	746.40	55.60
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	775.09	55.60

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,774.89	55.60
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,788.06	55.60
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	2,056.55	55.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0028		Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	548.15	55.60
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	607.34	55.60
10 44 13 00-0031		Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0032		Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	488.96	55.60
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	504.54	55.60
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	506.10	55.60
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	559.06	55.60
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	664.98	55.60
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	682.11	55.60
10 44 13 00-0039		Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	473.23	55.60
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	488.48	55.60
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	497.63	55.60
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	514.92	55.60
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	574.92	55.60
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	589.15	55.60
10 44 13 00-0046		Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	644.27	55.60
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	660.34	55.60
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	667.22	55.60
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	702.80	55.60
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	791.16	55.60
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	810.67	55.60
10 44 13 00-0053		Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,243.81	55.60
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,254.86	55.60
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,588.35	55.60
10 44 13 00-0057		Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	604.23	55.60
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	660.30	55.60
10 44 13 00-0060		Surface Mounted Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0061		Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	476.50	55.60
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	485.85	55.60
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	560.61	55.60
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	652.51	55.60
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	677.44	55.60
10 44 13 00-0067		Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	569.83	55.60
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	583.05	55.60
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	612.54	55.60
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	670.50	55.60
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	694.91	55.60
10 44 13 00-0073		Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	744.11	55.60
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	765.91	55.60
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	819.85	55.60
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	924.28	55.60
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	956.41	55.60

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0079		**Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)* Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,577.94	55.60
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,908.88	55.60
10 44 13 00-0082		**Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)* Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	569.96	55.60
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	638.50	55.60
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	878.37	55.60
10 44 13 00-0086		**Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	45.86	16.95
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	41.68	16.95
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle	39.13	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	121.61	33.90
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	238.02	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	261.82	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	357.03	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	487.94	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	571.25	
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	138.05	
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	142.81	
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	190.42	
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	345.13	
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	349.89	
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	130.71	
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	137.25	
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	185.17	
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	326.78	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	331.13	
10 44 13 00-0106		**Fire Hose Cabinets** *(10 44 13)* Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107		**Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0108		**Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)* Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	663.55	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	675.84	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	686.08	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	696.33	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	708.61	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	741.36	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	751.61	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0116		**Aluminum Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)* Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	720.30	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	740.10	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	742.67	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	750.90	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	761.70	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	792.29	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	822.89	149.57
		For Solid Aluminum Door, Add	*6.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0124		**Stainless Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)* Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	955.20	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,057.64	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,067.50	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,099.02	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,108.87	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,160.09	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,211.32	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0132		**Semi-Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0133		**Steel Door And Trim, Semi-Recessed Fire Hose Cabinets** *(10 44 13 00-0132)* Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	696.33	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	708.61	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	718.83	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	731.12	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	741.36	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	774.11	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	786.39	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0141		**Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets** *(10 44 13 00-0132)* Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	740.10	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	761.70	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	764.78	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	770.70	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	781.49	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	812.09	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	842.69	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0149		**Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets** *(10 44 13 00-0132)* Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,016.27	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,128.57	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,138.42	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,169.94	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,179.79	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,231.02	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,282.24	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0157		**Surface Mount Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0158		**Steel Door And Trim, Surface Mount Fire Hose Cabinets** *(10 44 13 00-0157)* Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	708.61	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	718.83	149.57
		For Solid Steel Door, Deduct	*-8.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	731.12	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	741.36	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	751.61	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	786.39	149.57
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	796.64	149.57
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	792.29	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	812.09	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	817.23	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	822.89	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	831.89	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	864.29	149.57
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	884.09	149.57
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,099.02	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,426.07	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,508.81	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,528.51	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,548.22	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,630.96	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,733.41	149.57
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 16 Fire Extinguishers *(10 44)*

10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0002	EA	2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	185.57	17.62
		For >5 To 10, Deduct	*-4.76*	
		For >10, Deduct	*-9.52*	
		For Placement In Cabinet, Deduct	*-45.20*	
10 44 16 13-0003	EA	5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	261.60	20.34
		For >5 To 10, Deduct	*-7.86*	
		For >10, Deduct	*-15.73*	
		For Placement In Cabinet, Deduct	*-52.16*	
10 44 16 13-0004	EA	10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	340.24	25.77
		For >5 To 10, Deduct	*-10.23*	
		For >10, Deduct	*-20.46*	
		For Placement In Cabinet, Deduct	*-67.80*	
10 44 16 13-0005	EA	15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	419.79	32.54
		For >5 To 10, Deduct	*-12.51*	
		For >10, Deduct	*-25.03*	
		For Placement In Cabinet, Deduct	*-84.75*	
10 44 16 13-0006	EA	20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	460.68	32.54
		For >5 To 10, Deduct	*-14.56*	
		For >10, Deduct	*-29.12*	
		For Placement In Cabinet, Deduct	*-84.75*	
10 44 16 13-0007	EA	50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,386.46	51.52
		For >5 To 10, Deduct	*-55.76*	
		For >10, Deduct	*-111.53*	
10 44 16 13-0008	EA	100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	2,629.52	51.52
		For >5 To 10, Deduct	*-117.92*	
		For >10, Deduct	*-235.83*	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0010	EA	2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	126.69	17.62
		For >5 To 10, Deduct	*-1.81*	
		For >10, Deduct	*-3.63*	
		For Placement In Cabinet, Deduct	*-45.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0011	EA	5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	155.77	20.34
		For >5 To 10, Deduct	*-2.57*	
		For >10, Deduct	*-5.15*	
		For Placement In Cabinet, Deduct	*-52.16*	
10 44 16 13-0012	EA	10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	217.53	25.77
		For >5 To 10, Deduct	*-4.10*	
		For >10, Deduct	*-8.19*	
		For Placement In Cabinet, Deduct	*-67.80*	
10 44 16 13-0013	EA	20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	298.45	32.54
		For >5 To 10, Deduct	*-6.45*	
		For >10, Deduct	*-12.90*	
		For Placement In Cabinet, Deduct	*-84.75*	
10 44 16 13-0014	EA	50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,643.59	51.52
		For >5 To 10, Deduct	*-68.62*	
		For >10, Deduct	*-137.24*	
10 44 16 13-0015	EA	125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,395.21	51.52
		For >5 To 10, Deduct	*-106.20*	
		For >10, Deduct	*-212.40*	

10 44 16 13-0016 Other Portable Fire Extinguishers *(10 44 16 13)*

10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	209.86	20.34
		For >5 To 10, Deduct	*-5.28*	
		For >10, Deduct	*-10.56*	
		For Placement In Cabinet, Deduct	*-52.16*	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	321.84	32.54
		For >5 To 10, Deduct	*-7.62*	
		For >10, Deduct	*-15.23*	
		For Placement In Cabinet, Deduct	*-84.75*	
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	338.43	32.54
		For >5 To 10, Deduct	*-8.45*	
		For >10, Deduct	*-16.89*	
		For Placement In Cabinet, Deduct	*-84.75*	
10 44 16 13-0020	EA	30 Lb. Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	453.08	32.54
		For >5 To 10, Deduct	*-14.18*	
		For >10, Deduct	*-28.36*	

10 44 16 13-0021 Fire Extinguisher Backboards *(10 44 16 13)*

10 44 16 13-0022 Fire Extinguisher Backboards *(10 44 16 13-0021)*

Note: Mounted to any wall. Includes anchors.

10 44 16 13-0023	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	142.55	23.20
10 44 16 13-0024	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	204.69	

10 44 16 13-0025 Inspections And Testing *(10 44 16 13)*

10 44 16 13-0026	EA	On Site Fire Extinguisher Annual Inspection (Tag)	7.61	
10 44 16 13-0027	EA	On Site Fire Extinguisher Hydrotest	11.19	

10 44 19 Fire Blankets *(10 44)*

10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	561.65	55.60
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	413.68	55.60

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional Lockers *(10 51 13)*

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Locker *(10 51 13 00-0001)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	289.04	42.03
		For >25 To 50, Deduct	*-10.25*	
		For >50 To 100, Deduct	*-21.76*	
		For >100, Deduct	*-33.27*	
		For 14 Gauge Doors, Add	*16.40*	
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	299.90	42.03
		For >25 To 50, Deduct	*-10.79*	
		For >50 To 100, Deduct	*-22.84*	
		For >100, Deduct	*-34.90*	
		For 14 Gauge Doors, Add	*17.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	314.75	42.03
		For >25 To 50, Deduct	*-11.53*	
		For >50 To 100, Deduct	*-24.33*	
		For >100, Deduct	*-37.12*	
		For 14 Gauge Doors, Add	*18.45*	
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	314.28	43.39
		For >25 To 50, Deduct	*-11.38*	
		For >50 To 100, Deduct	*-24.05*	
		For >100, Deduct	*-36.73*	
		For 14 Gauge Doors, Add	*18.20*	
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	323.28	43.39
		For >25 To 50, Deduct	*-11.83*	
		For >50 To 100, Deduct	*-24.95*	
		For >100, Deduct	*-38.08*	
		For 14 Gauge Doors, Add	*18.92*	
10 51 13 00-0008	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	332.06	43.39
		For >25 To 50, Deduct	*-12.26*	
		For >50 To 100, Deduct	*-25.83*	
		For >100, Deduct	*-39.40*	
		For 14 Gauge Doors, Add	*19.62*	
10 51 13 00-0009	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	347.21	43.39
		For >25 To 50, Deduct	*-13.02*	
		For >50 To 100, Deduct	*-27.34*	
		For >100, Deduct	*-41.67*	
		For 14 Gauge Doors, Add	*20.83*	
10 51 13 00-0010	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	362.20	43.39
		For >25 To 50, Deduct	*-13.77*	
		For >50 To 100, Deduct	*-28.84*	
		For >100, Deduct	*-43.92*	
		For 14 Gauge Doors, Add	*22.03*	
10 51 13 00-0011	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	378.09	43.39
		For >25 To 50, Deduct	*-14.57*	
		For >50 To 100, Deduct	*-30.43*	
		For >100, Deduct	*-46.30*	
		For 14 Gauge Doors, Add	*23.30*	
10 51 13 00-0012	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	392.75	43.39
		For >25 To 50, Deduct	*-15.30*	
		For >50 To 100, Deduct	*-31.90*	
		For >100, Deduct	*-48.50*	
		For 14 Gauge Doors, Add	*24.48*	
10 51 13 00-0013	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	526.74	43.39
		For >25 To 50, Deduct	*-22.00*	
		For >50 To 100, Deduct	*-45.30*	
		For >100, Deduct	*-68.60*	
		For 14 Gauge Doors, Add	*35.20*	

10 51 13 00-0014 Two Tier Institutional Locker *(10 51 13 00-0001)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0015	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	339.62	43.39
		For >25 To 50, Deduct	*-12.64*	
		For >50 To 100, Deduct	*-26.59*	
		For >100, Deduct	*-40.53*	
		For 14 Gauge Doors, Add	*27.81*	
10 51 13 00-0016	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	346.46	43.39
		For >25 To 50, Deduct	*-12.98*	
		For >50 To 100, Deduct	*-27.27*	
		For >100, Deduct	*-41.56*	
		For 14 Gauge Doors, Add	*28.56*	
10 51 13 00-0017	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	353.36	43.39
		For >25 To 50, Deduct	*-13.33*	
		For >50 To 100, Deduct	*-27.96*	
		For >100, Deduct	*-42.59*	
		For 14 Gauge Doors, Add	*29.32*	
10 51 13 00-0018	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	354.90	44.75
		For >25 To 50, Deduct	*-13.27*	
		For >50 To 100, Deduct	*-27.88*	
		For >100, Deduct	*-42.50*	
		For 14 Gauge Doors, Add	*29.19*	
10 51 13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	369.86	44.75
		For >25 To 50, Deduct	*-14.02*	
		For >50 To 100, Deduct	*-29.38*	
		For >100, Deduct	*-44.74*	
		For 14 Gauge Doors, Add	*30.84*	
10 51 13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	378.89	44.75
		For >25 To 50, Deduct	*-14.47*	
		For >50 To 100, Deduct	*-30.28*	
		For >100, Deduct	*-46.09*	
		For 14 Gauge Doors, Add	*31.83*	
10 51 13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	391.83	44.75
		For >25 To 50, Deduct	*-15.12*	
		For >50 To 100, Deduct	*-31.58*	
		For >100, Deduct	*-48.03*	
		For 14 Gauge Doors, Add	*33.26*	
10 51 13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	404.82	44.75
		For >25 To 50, Deduct	*-15.77*	
		For >50 To 100, Deduct	*-32.87*	
		For >100, Deduct	*-49.98*	
		For 14 Gauge Doors, Add	*34.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	463.64	44.75
		For >25 To 50, Deduct	*-18.71*	
		For >50 To 100, Deduct	*-38.76*	
		For >100, Deduct	*-58.81*	
		For 14 Gauge Doors, Add	*41.16*	
10 51 13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	474.32	44.75
		For >25 To 50, Deduct	*-19.24*	
		For >50 To 100, Deduct	*-39.82*	
		For >100, Deduct	*-60.41*	
		For 14 Gauge Doors, Add	*42.33*	

10 51 13 00-0025 Three Tier Institutional Locker *(10 51 13 00-0001)*

Note: Includes one double hook per tier.

10 51 13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	397.32	46.11
		For >25 To 50, Deduct	*-15.26*	
		For >50 To 100, Deduct	*-31.89*	
		For >100, Deduct	*-48.53*	
		For 14 Gauge Doors, Add	*45.77*	
10 51 13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	404.35	46.11
		For >25 To 50, Deduct	*-15.61*	
		For >50 To 100, Deduct	*-32.60*	
		For >100, Deduct	*-49.59*	
		For 14 Gauge Doors, Add	*46.82*	
10 51 13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	429.31	46.11
		For >25 To 50, Deduct	*-16.86*	
		For >50 To 100, Deduct	*-35.09*	
		For >100, Deduct	*-53.33*	
		For 14 Gauge Doors, Add	*50.57*	
10 51 13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	453.22	46.11
		For >25 To 50, Deduct	*-18.05*	
		For >50 To 100, Deduct	*-37.48*	
		For >100, Deduct	*-56.92*	
		For 14 Gauge Doors, Add	*54.15*	
10 51 13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	472.26	46.11
		For >25 To 50, Deduct	*-19.00*	
		For >50 To 100, Deduct	*-39.39*	
		For >100, Deduct	*-59.77*	
		For 14 Gauge Doors, Add	*57.01*	

10 51 13 00-0031 Four Tier Institutional Locker *(10 51 13 00-0001)*

10 51 13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	390.65	47.46
		For >25 To 50, Deduct	*-14.79*	
		For >50 To 100, Deduct	*-31.00*	
		For >100, Deduct	*-47.21*	
10 51 13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	402.91	47.46
		For >25 To 50, Deduct	*-15.40*	
		For >50 To 100, Deduct	*-32.22*	
		For >100, Deduct	*-49.04*	
10 51 13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	422.63	47.46
		For >25 To 50, Deduct	*-16.39*	
		For >50 To 100, Deduct	*-34.19*	
		For >100, Deduct	*-52.00*	
10 51 13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	438.41	47.46
		For >25 To 50, Deduct	*-17.17*	
		For >50 To 100, Deduct	*-35.77*	
		For >100, Deduct	*-54.37*	
10 51 13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	461.13	47.46
		For >25 To 50, Deduct	*-18.31*	
		For >50 To 100, Deduct	*-38.04*	
		For >100, Deduct	*-57.78*	

10 51 13 00-0037 Six Tier Institutional Locker *(10 51 13 00-0001)*

10 51 13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	424.19	48.82
		For >25 To 50, Deduct	*-16.33*	
		For >50 To 100, Deduct	*-34.12*	
		For >100, Deduct	*-51.91*	
10 51 13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	433.64	48.82
		For >25 To 50, Deduct	*-16.80*	
		For >50 To 100, Deduct	*-35.07*	
		For >100, Deduct	*-53.33*	
10 51 13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	451.49	48.82
		For >25 To 50, Deduct	*-17.69*	
		For >50 To 100, Deduct	*-36.85*	
		For >100, Deduct	*-56.01*	

10 51 13 00-0041 Locker And Coat Rack Combination *(10 51 13 00-0001)*

10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	767.89	32.54
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,232.42	67.80

10 51 13 00-0044 All-Welded Steel Lockers *(10 51 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0045		**All-Welded Steel Lockers** *(10 51 13 00-0044)* Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0046		**Single Tier, All-Welded Steel Lockers** *(10 51 13 00-0045)* Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	194.76	23.73
		For >25 To 50, Deduct	*-8.04*	
		For >50 To 100, Deduct	*-16.59*	
		For >100, Deduct	*-25.15*	
10 51 13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	204.25	23.73
		For >25 To 50, Deduct	*-8.52*	
		For >50 To 100, Deduct	*-17.54*	
		For >100, Deduct	*-26.57*	
10 51 13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	213.40	23.73
		For >25 To 50, Deduct	*-8.98*	
		For >50 To 100, Deduct	*-18.46*	
		For >100, Deduct	*-27.94*	
10 51 13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	202.60	23.73
		For >25 To 50, Deduct	*-8.44*	
		For >50 To 100, Deduct	*-17.38*	
		For >100, Deduct	*-26.32*	
10 51 13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	211.74	23.73
		For >25 To 50, Deduct	*-8.89*	
		For >50 To 100, Deduct	*-18.29*	
		For >100, Deduct	*-27.69*	
10 51 13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	220.88	23.73
		For >25 To 50, Deduct	*-9.35*	
		For >50 To 100, Deduct	*-19.21*	
		For >100, Deduct	*-29.06*	
10 51 13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	214.44	26.10
		For >25 To 50, Deduct	*-8.86*	
		For >50 To 100, Deduct	*-18.27*	
		For >100, Deduct	*-27.69*	
10 51 13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	222.90	26.10
		For >25 To 50, Deduct	*-9.28*	
		For >50 To 100, Deduct	*-19.12*	
		For >100, Deduct	*-28.96*	
10 51 13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	232.04	26.10
		For >25 To 50, Deduct	*-9.74*	
		For >50 To 100, Deduct	*-20.03*	
		For >100, Deduct	*-30.33*	
10 51 13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	240.59	26.10
		For >25 To 50, Deduct	*-10.17*	
		For >50 To 100, Deduct	*-20.89*	
		For >100, Deduct	*-31.61*	
10 51 13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	247.64	26.10
		For >25 To 50, Deduct	*-10.52*	
		For >50 To 100, Deduct	*-21.59*	
		For >100, Deduct	*-32.67*	
10 51 13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	257.35	26.10
		For >25 To 50, Deduct	*-11.00*	
		For >50 To 100, Deduct	*-22.57*	
		For >100, Deduct	*-34.13*	
10 51 13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	268.28	26.10
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-23.66*	
		For >100, Deduct	*-35.77*	
10 51 13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	432.90	26.10
		For >25 To 50, Deduct	*-19.78*	
		For >50 To 100, Deduct	*-40.12*	
		For >100, Deduct	*-60.46*	
10 51 13 00-0061		**Two Tier, All-Welded Steel Lockers** *(10 51 13 00-0045)* Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	232.23	23.73
		For >25 To 50, Deduct	*-9.92*	
		For >50 To 100, Deduct	*-20.34*	
		For >100, Deduct	*-30.77*	
10 51 13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	236.43	23.73
		For >25 To 50, Deduct	*-10.13*	
		For >50 To 100, Deduct	*-20.76*	
		For >100, Deduct	*-31.40*	
10 51 13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	247.69	23.73
		For >25 To 50, Deduct	*-10.69*	
		For >50 To 100, Deduct	*-21.89*	
		For >100, Deduct	*-33.09*	
10 51 13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	242.62	26.10
		For >25 To 50, Deduct	*-10.27*	
		For >50 To 100, Deduct	*-21.09*	
		For >100, Deduct	*-31.92*	
10 51 13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	258.14	26.10
		For >25 To 50, Deduct	*-11.04*	
		For >50 To 100, Deduct	*-22.64*	
		For >100, Deduct	*-34.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	266.60	26.10
		For >25 To 50, Deduct	*-11.47*	
		For >50 To 100, Deduct	*-23.49*	
		For >100, Deduct	*-35.52*	
10 51 13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	278.66	26.10
		For >25 To 50, Deduct	*-12.07*	
		For >50 To 100, Deduct	*-24.70*	
		For >100, Deduct	*-37.32*	
10 51 13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	284.34	26.10
		For >25 To 50, Deduct	*-12.35*	
		For >50 To 100, Deduct	*-25.26*	
		For >100, Deduct	*-38.18*	
10 51 13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	300.70	26.10
		For >25 To 50, Deduct	*-13.17*	
		For >50 To 100, Deduct	*-26.90*	
		For >100, Deduct	*-40.63*	
10 51 13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	313.37	26.10
		For >25 To 50, Deduct	*-13.80*	
		For >50 To 100, Deduct	*-28.17*	
		For >100, Deduct	*-42.53*	

10 51 13 00-0072 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	286.34	26.10
		For >25 To 50, Deduct	*-12.45*	
		For >50 To 100, Deduct	*-25.46*	
		For >100, Deduct	*-38.48*	
10 51 13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	292.70	26.10
		For >25 To 50, Deduct	*-12.77*	
		For >50 To 100, Deduct	*-26.10*	
		For >100, Deduct	*-39.43*	
10 51 13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	299.02	26.10
		For >25 To 50, Deduct	*-13.09*	
		For >50 To 100, Deduct	*-26.73*	
		For >100, Deduct	*-40.38*	
10 51 13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	313.97	26.10
		For >25 To 50, Deduct	*-13.83*	
		For >50 To 100, Deduct	*-28.23*	
		For >100, Deduct	*-42.62*	
10 51 13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	316.73	26.10
		For >25 To 50, Deduct	*-13.97*	
		For >50 To 100, Deduct	*-28.50*	
		For >100, Deduct	*-43.03*	

10 51 13 00-0078 Four Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

10 51 13 00-0079	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	271.26	26.10
		For >25 To 50, Deduct	*-11.70*	
		For >50 To 100, Deduct	*-23.96*	
		For >100, Deduct	*-36.21*	
10 51 13 00-0080	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	277.27	26.10
		For >25 To 50, Deduct	*-12.00*	
		For >50 To 100, Deduct	*-24.56*	
		For >100, Deduct	*-37.12*	
10 51 13 00-0081	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	283.23	26.10
		For >25 To 50, Deduct	*-12.30*	
		For >50 To 100, Deduct	*-25.15*	
		For >100, Deduct	*-38.01*	
10 51 13 00-0082	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	297.30	26.10
		For >25 To 50, Deduct	*-13.00*	
		For >50 To 100, Deduct	*-26.56*	
		For >100, Deduct	*-40.12*	
10 51 13 00-0083	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	299.86	26.10
		For >25 To 50, Deduct	*-13.13*	
		For >50 To 100, Deduct	*-26.82*	
		For >100, Deduct	*-40.50*	

10 51 13 00-0084 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

10 51 13 00-0085	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	280.60	26.10
		For >25 To 50, Deduct	*-12.17*	
		For >50 To 100, Deduct	*-24.89*	
		For >100, Deduct	*-37.62*	
10 51 13 00-0086	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	289.37	26.10
		For >25 To 50, Deduct	*-12.60*	
		For >50 To 100, Deduct	*-25.77*	
		For >100, Deduct	*-38.93*	
10 51 13 00-0087	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	295.82	26.10
		For >25 To 50, Deduct	*-12.93*	
		For >50 To 100, Deduct	*-26.41*	
		For >100, Deduct	*-39.90*	

10 51 13 00-0088 All Welded Locker Accessories *(10 51 13 00-0044)*

10 51 13 00-0089	EA	ADA Requirements For All Welded Lockers	131.84	
10 51 13 00-0090	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	214.27	5.43
10 51 13 00-0091	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	248.17	5.43
10 51 13 00-0092	EA	Recessed Trim For All Welded Lockers	151.48	5.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0093	EA	Built In Combination Lock For All Welded Lockers	47.23	5.43
10 51 13 00-0094	EA	Pad Lock For All Welded Lockers	42.24	5.43

10 51 13 00-0095 Athletic Lockers *(10 51 13)*

Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0096 Single Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0097	EA	12" x 15" x 60" Single Tier Athletic Locker	427.87	43.39
		For >25 To 50, Deduct	*-17.05*	
		For >50 To 100, Deduct	*-35.41*	
		For >100, Deduct	*-53.77*	
10 51 13 00-0098	EA	12" x 18" x 60" Single Tier Athletic Locker	442.28	43.39
		For >25 To 50, Deduct	*-17.78*	
		For >50 To 100, Deduct	*-36.85*	
		For >100, Deduct	*-55.93*	
10 51 13 00-0099	EA	15" x 15" x 60" Single Tier Athletic Locker	451.54	43.39
		For >25 To 50, Deduct	*-18.24*	
		For >50 To 100, Deduct	*-37.78*	
		For >100, Deduct	*-57.32*	
10 51 13 00-0100	EA	15" x 18" x 60" Single Tier Athletic Locker	466.92	43.39
		For >25 To 50, Deduct	*-19.01*	
		For >50 To 100, Deduct	*-39.32*	
		For >100, Deduct	*-59.62*	
10 51 13 00-0101	EA	18" x 18" x 60" Single Tier Athletic Locker	533.25	43.39
		For >25 To 50, Deduct	*-22.32*	
		For >50 To 100, Deduct	*-45.95*	
		For >100, Deduct	*-69.57*	
10 51 13 00-0102	EA	18" x 21" x 60" Single Tier Athletic Locker	586.00	43.39
		For >25 To 50, Deduct	*-24.96*	
		For >50 To 100, Deduct	*-51.22*	
		For >100, Deduct	*-77.49*	
10 51 13 00-0103	EA	18" x 24" x 60" Single Tier Athletic Locker	622.07	43.39
		For >25 To 50, Deduct	*-26.76*	
		For >50 To 100, Deduct	*-54.83*	
		For >100, Deduct	*-82.90*	
10 51 13 00-0104	EA	12" x 15" x 72" Single Tier Athletic Locker	443.86	43.39
		For >25 To 50, Deduct	*-17.85*	
		For >50 To 100, Deduct	*-37.01*	
		For >100, Deduct	*-56.17*	
10 51 13 00-0105	EA	12" x 18" x 72" Single Tier Athletic Locker	469.81	43.39
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-39.60*	
		For >100, Deduct	*-60.06*	
10 51 13 00-0106	EA	15" x 15" x 72" Single Tier Athletic Locker	478.93	43.39
		For >25 To 50, Deduct	*-19.61*	
		For >50 To 100, Deduct	*-40.52*	
		For >100, Deduct	*-61.43*	
10 51 13 00-0107	EA	15" x 18" x 72" Single Tier Athletic Locker	495.58	43.39
		For >25 To 50, Deduct	*-20.44*	
		For >50 To 100, Deduct	*-42.18*	
		For >100, Deduct	*-63.92*	
10 51 13 00-0108	EA	18" x 18" x 72" Single Tier Athletic Locker	536.65	43.39
		For >25 To 50, Deduct	*-22.49*	
		For >50 To 100, Deduct	*-46.29*	
		For >100, Deduct	*-70.08*	
10 51 13 00-0109	EA	18" x 21" x 72" Single Tier Athletic Locker	579.70	43.39
		For >25 To 50, Deduct	*-24.65*	
		For >50 To 100, Deduct	*-50.59*	
		For >100, Deduct	*-76.54*	

10 51 13 00-0110 Two Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0111	EA	12" x 12" x 60" Two Tier Athletic Locker	478.70	44.75
		For >25 To 50, Deduct	*-19.46*	
		For >50 To 100, Deduct	*-40.26*	
		For >100, Deduct	*-61.07*	
10 51 13 00-0112	EA	12" x 15" x 60" Two Tier Athletic Locker	494.03	44.75
		For >25 To 50, Deduct	*-20.23*	
		For >50 To 100, Deduct	*-41.80*	
		For >100, Deduct	*-63.36*	
10 51 13 00-0113	EA	12" x 18" x 60" Two Tier Athletic Locker	511.29	44.75
		For >25 To 50, Deduct	*-21.09*	
		For >50 To 100, Deduct	*-43.52*	
		For >100, Deduct	*-65.95*	
10 51 13 00-0114	EA	15" x 15" x 60" Two Tier Athletic Locker	512.97	44.75
		For >25 To 50, Deduct	*-21.17*	
		For >50 To 100, Deduct	*-43.69*	
		For >100, Deduct	*-66.21*	
10 51 13 00-0115	EA	15" x 18" x 60" Two Tier Athletic Locker	516.56	44.75
		For >25 To 50, Deduct	*-21.35*	
		For >50 To 100, Deduct	*-44.05*	
		For >100, Deduct	*-66.74*	
10 51 13 00-0116	EA	18" x 18" x 60" Two Tier Athletic Locker	546.89	44.75
		For >25 To 50, Deduct	*-22.87*	
		For >50 To 100, Deduct	*-47.08*	
		For >100, Deduct	*-71.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0117	EA	18" x 21" x 60" Two Tier Athletic Locker	569.10	44.75
		For >25 To 50, Deduct	*-23.98*	
		For >50 To 100, Deduct	*-49.30*	
		For >100, Deduct	*-74.63*	
10 51 13 00-0118	EA	18" x 24" x 60" Two Tier Athletic Locker	668.30	44.75
		For >25 To 50, Deduct	*-28.94*	
		For >50 To 100, Deduct	*-59.22*	
		For >100, Deduct	*-89.51*	
10 51 13 00-0119	EA	12" x 12" x 72" Two Tier Athletic Locker	495.30	44.75
		For >25 To 50, Deduct	*-20.29*	
		For >50 To 100, Deduct	*-41.92*	
		For >100, Deduct	*-63.56*	
10 51 13 00-0120	EA	12" x 15" x 72" Two Tier Athletic Locker	511.00	44.75
		For >25 To 50, Deduct	*-21.08*	
		For >50 To 100, Deduct	*-43.49*	
		For >100, Deduct	*-65.91*	
10 51 13 00-0121	EA	12" x 18" x 72" Two Tier Athletic Locker	532.41	44.75
		For >25 To 50, Deduct	*-22.15*	
		For >50 To 100, Deduct	*-45.63*	
		For >100, Deduct	*-69.12*	
10 51 13 00-0122	EA	15" x 15" x 72" Two Tier Athletic Locker	535.65	44.75
		For >25 To 50, Deduct	*-22.31*	
		For >50 To 100, Deduct	*-45.96*	
		For >100, Deduct	*-69.61*	
10 51 13 00-0123	EA	15" x 18" x 72" Two Tier Athletic Locker	553.25	44.75
		For >25 To 50, Deduct	*-23.19*	
		For >50 To 100, Deduct	*-47.72*	
		For >100, Deduct	*-72.25*	
10 51 13 00-0124	EA	18" x 18" x 72" Two Tier Athletic Locker	574.86	44.75
		For >25 To 50, Deduct	*-24.27*	
		For >50 To 100, Deduct	*-49.88*	
		For >100, Deduct	*-75.49*	
10 51 13 00-0125	EA	18" x 21" x 72" Two Tier Athletic Locker	623.37	44.75
		For >25 To 50, Deduct	*-26.69*	
		For >50 To 100, Deduct	*-54.73*	
		For >100, Deduct	*-82.77*	

10 51 13 00-0126 Three Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes one double hook per tier.

10 51 13 00-0127	EA	12" x 12" x 60" Three Tier Athletic Locker	518.34	46.11
		For >25 To 50, Deduct	*-21.31*	
		For >50 To 100, Deduct	*-44.00*	
		For >100, Deduct	*-66.69*	
10 51 13 00-0128	EA	12" x 15" x 60" Three Tier Athletic Locker	543.19	46.11
		For >25 To 50, Deduct	*-22.55*	
		For >50 To 100, Deduct	*-46.48*	
		For >100, Deduct	*-70.41*	
10 51 13 00-0129	EA	12" x 18" x 60" Three Tier Athletic Locker	565.16	46.11
		For >25 To 50, Deduct	*-23.65*	
		For >50 To 100, Deduct	*-48.68*	
		For >100, Deduct	*-73.71*	
10 51 13 00-0130	EA	15" x 15" x 60" Three Tier Athletic Locker	580.08	46.11
		For >25 To 50, Deduct	*-24.39*	
		For >50 To 100, Deduct	*-50.17*	
		For >100, Deduct	*-75.95*	
10 51 13 00-0131	EA	15" x 18" x 60" Three Tier Athletic Locker	604.92	46.11
		For >25 To 50, Deduct	*-25.64*	
		For >50 To 100, Deduct	*-52.65*	
		For >100, Deduct	*-79.67*	
10 51 13 00-0132	EA	12" x 12" x 72" Three Tier Athletic Locker	546.64	46.11
		For >25 To 50, Deduct	*-22.72*	
		For >50 To 100, Deduct	*-46.83*	
		For >100, Deduct	*-70.93*	
10 51 13 00-0133	EA	12" x 15" x 72" Three Tier Athletic Locker	569.09	46.11
		For >25 To 50, Deduct	*-23.84*	
		For >50 To 100, Deduct	*-49.07*	
		For >100, Deduct	*-74.30*	
10 51 13 00-0134	EA	12" x 18" x 72" Three Tier Athletic Locker	600.05	46.11
		For >25 To 50, Deduct	*-25.39*	
		For >50 To 100, Deduct	*-52.17*	
		For >100, Deduct	*-78.94*	
10 51 13 00-0135	EA	15" x 15" x 72" Three Tier Athletic Locker	615.90	46.11
		For >25 To 50, Deduct	*-26.18*	
		For >50 To 100, Deduct	*-53.75*	
		For >100, Deduct	*-81.32*	
10 51 13 00-0136	EA	15" x 18" x 72" Three Tier Athletic Locker	639.68	46.11
		For >25 To 50, Deduct	*-27.37*	
		For >50 To 100, Deduct	*-56.13*	
		For >100, Deduct	*-84.89*	

10 51 13 00-0137 Four Tier Athletic Locker *(10 51 13 00-0095)*

10 51 13 00-0138	EA	12" x 12" x 60" Four Tier Athletic Locker	478.67	47.46
		For >25 To 50, Deduct	*-19.19*	
		For >50 To 100, Deduct	*-39.80*	
		For >100, Deduct	*-60.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0139	EA	12" x 15" x 60" Four Tier Athletic Locker	509.10	47.46
		For >25 To 50, Deduct	*-20.71*	
		For >50 To 100, Deduct	*-42.84*	
		For >100, Deduct	*-64.97*	
10 51 13 00-0140	EA	12" x 18" x 60" Four Tier Athletic Locker	539.54	47.46
		For >25 To 50, Deduct	*-22.23*	
		For >50 To 100, Deduct	*-45.88*	
		For >100, Deduct	*-69.54*	
10 51 13 00-0141	EA	15" x 15" x 60" Four Tier Athletic Locker	551.97	47.46
		For >25 To 50, Deduct	*-22.85*	
		For >50 To 100, Deduct	*-47.13*	
		For >100, Deduct	*-71.40*	
10 51 13 00-0142	EA	15" x 18" x 60" Four Tier Athletic Locker	601.97	47.46
		For >25 To 50, Deduct	*-25.35*	
		For >50 To 100, Deduct	*-52.13*	
		For >100, Deduct	*-78.90*	
10 51 13 00-0143	EA	12" x 12" x 72" Four Tier Athletic Locker	509.63	47.46
		For >25 To 50, Deduct	*-20.74*	
		For >50 To 100, Deduct	*-42.89*	
		For >100, Deduct	*-65.05*	
10 51 13 00-0144	EA	12" x 15" x 72" Four Tier Athletic Locker	540.51	47.46
		For >25 To 50, Deduct	*-22.28*	
		For >50 To 100, Deduct	*-45.98*	
		For >100, Deduct	*-69.68*	
10 51 13 00-0145	EA	12" x 18" x 72" Four Tier Athletic Locker	571.37	47.46
		For >25 To 50, Deduct	*-23.82*	
		For >50 To 100, Deduct	*-49.07*	
		For >100, Deduct	*-74.31*	
10 51 13 00-0146	EA	15" x 15" x 72" Four Tier Athletic Locker	587.18	47.46
		For >25 To 50, Deduct	*-24.61*	
		For >50 To 100, Deduct	*-50.65*	
		For >100, Deduct	*-76.69*	
10 51 13 00-0147	EA	15" x 18" x 72" Four Tier Athletic Locker	599.04	47.46
		For >25 To 50, Deduct	*-25.21*	
		For >50 To 100, Deduct	*-51.83*	
		For >100, Deduct	*-78.46*	

10 51 13 00-0148 Six Tier Athletic Locker *(10 51 13 00-0095)*

10 51 13 00-0149	EA	12" x 12" x 72" Six Tier Athletic Locker	564.26	48.82
		For >25 To 50, Deduct	*-23.33*	
		For >50 To 100, Deduct	*-48.13*	
		For >100, Deduct	*-72.92*	
10 51 13 00-0150	EA	12" x 15" x 72" Six Tier Athletic Locker	587.97	48.82
		For >25 To 50, Deduct	*-24.52*	
		For >50 To 100, Deduct	*-50.50*	
		For >100, Deduct	*-76.48*	
10 51 13 00-0151	EA	12" x 18" x 72" Six Tier Athletic Locker	611.64	48.82
		For >25 To 50, Deduct	*-25.70*	
		For >50 To 100, Deduct	*-52.87*	
		For >100, Deduct	*-80.03*	
10 51 13 00-0152	EA	12" x 21" x 72" Six Tier Athletic Locker	698.04	48.82
		For >25 To 50, Deduct	*-30.02*	
		For >50 To 100, Deduct	*-61.51*	
		For >100, Deduct	*-92.99*	

10 51 13 00-0153 Metal Locker Accessories *(10 51 13)*

10 51 13 00-0154 Locker Slope Tops *(10 51 13 00-0153)*

10 51 13 00-0155 16 Gauge Continuous Sloping Hood *(10 51 13 00-0154)*

10 51 13 00-0156	LF	12" Deep, 16 Gauge Continuous Slope Top	36.13	5.43
10 51 13 00-0157	LF	15" Deep, 16 Gauge Continuous Slope Top	30.74	5.43
10 51 13 00-0158	LF	18" Deep, 16 Gauge Continuous Slope Top	41.66	5.43
10 51 13 00-0159	LF	21" Deep, 16 Gauge Continuous Slope Top	45.86	5.43
10 51 13 00-0160	LF	24" Deep, 16 Gauge Continuous Slope Top	47.83	5.43

10 51 13 00-0161 16 Gauge Slope Top Corner Fillers *(10 51 13 00-0154)*

10 51 13 00-0162	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	144.57	5.43
10 51 13 00-0163	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	147.63	5.43
10 51 13 00-0164	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	150.68	5.43
10 51 13 00-0165	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	154.37	5.43
10 51 13 00-0166	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	158.03	5.43

10 51 13 00-0167 20 Gauge Individual Slope Top *(10 51 13 00-0154)*

10 51 13 00-0168	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	31.27	5.43
10 51 13 00-0169	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	31.07	5.43
10 51 13 00-0170	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	34.40	5.43
10 51 13 00-0171	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	34.40	5.43
10 51 13 00-0172	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	35.19	5.43
10 51 13 00-0173	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	38.33	5.43
10 51 13 00-0174	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	38.33	5.43
10 51 13 00-0175	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	42.46	5.43
10 51 13 00-0176	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	47.38	5.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0177		**Continuous Slope Top End Closures** *(10 51 13 00-0154)*		
10 51 13 00-0178	PR	12" Deep, Continuous Slope Top End Closures	33.23	5.43
10 51 13 00-0179	PR	15" Deep, Continuous Slope Top End Closures	28.48	5.43
10 51 13 00-0180	PR	18" Deep, Continuous Slope Top End Closures	37.14	5.43
10 51 13 00-0181	PR	21" Deep, Continuous Slope Top End Closures	39.12	5.43
10 51 13 00-0182	PR	24" Deep, Continuous Slope Top End Closures	40.46	5.43
10 51 13 00-0183		**Individual Slope Top End Closures** *(10 51 13 00-0154)*		
10 51 13 00-0184	EA	12" Deep, Individual Slope Top End Closures	22.04	5.43
10 51 13 00-0185	EA	15" Deep, Individual Slope Top End Closures	22.65	5.43
10 51 13 00-0186	EA	18" Deep, Individual Slope Top End Closures	24.02	5.43
10 51 13 00-0187	EA	21" Deep, Individual Slope Top End Closures	24.97	5.43
10 51 13 00-0188	EA	24" Deep, Individual Slope Top End Closures	34.65	5.43
10 51 13 00-0189		**Locker Base** *(10 51 13 00-0153)*		
10 51 13 00-0190		**Closed Front Base** *(10 51 13 00-0189)*		
10 51 13 00-0191	EA	12" Wide, 6" High Closed Front Base	23.09	5.43
10 51 13 00-0192	EA	15" Wide, 6" High Closed Front Base	24.12	5.43
10 51 13 00-0193	EA	18" Wide, 6" High Closed Front Base	26.25	5.43
10 51 13 00-0194	EA	24" Wide, 6" High Closed Front Base	27.28	5.43
10 51 13 00-0195		**Closed End Base** *(10 51 13 00-0189)*		
10 51 13 00-0196	EA	12" Deep, 6" High Closed End Base	25.93	5.43
10 51 13 00-0197	EA	15" Deep, 6" High Closed End Base	26.11	5.43
10 51 13 00-0198	EA	18" Deep, 6" High Closed End Base	27.50	5.43
10 51 13 00-0199	EA	21" Deep, 6" High Closed End Base	28.86	5.43
10 51 13 00-0200	EA	24" Deep, 6" High Closed End Base	30.72	5.43
10 51 13 00-0201		**Recessed Continuous Front "Z" Base** *(10 51 13 00-0189)*		
10 51 13 00-0202	LF	4" High Recessed Continuous Front "Z" Base	26.75	4.07
10 51 13 00-0203		**"Z" Base Ends Or Splice** *(10 51 13 00-0189)*		
10 51 13 00-0204	EA	12" Wide, 4" High Z-Base Ends Or Splice	27.04	5.43
10 51 13 00-0205	EA	15" Wide, 4" High Z-Base Ends Or Splice	31.07	5.43
10 51 13 00-0206	EA	18" Wide, 4" High Z-Base Ends Or Splice	35.19	5.43
10 51 13 00-0207	EA	21" Wide, 4" High Z-Base Ends Or Splice	39.52	5.43
10 51 13 00-0208	EA	24" Wide, 4" High Z-Base Ends Or Splice	43.83	5.43
10 51 13 00-0209		**Locker Front Fillers And End Panels** *(10 51 13 00-0153)*		
10 51 13 00-0210		**Locker Front Fillers** *(10 51 13 00-0209)*		
10 51 13 00-0211	EA	6" Wide x 48" High, 16 Gauge Front Filler	35.15	6.78
10 51 13 00-0212	EA	12" Wide x 48" High, 16 Gauge Front Filler	55.75	6.78
10 51 13 00-0213	EA	6" Wide x 60" High, 16 Gauge Front Filler	43.61	6.78
10 51 13 00-0214	EA	12" Wide x 60" High, 16 Gauge Front Filler	66.30	6.78
10 51 13 00-0215	EA	6" Wide x 66" High, 16 Gauge Front Filler	47.31	6.78
10 51 13 00-0216	EA	12" Wide x 66" High, 16 Gauge Front Filler	52.92	6.78
10 51 13 00-0217	EA	6" Wide x 72" High, 16 Gauge Front Filler	51.60	6.78
10 51 13 00-0218	EA	12" Wide x 72" High, 16 Gauge Front Filler	72.43	6.78
10 51 13 00-0219	EA	6" Wide x 78" High, 16 Gauge Front Filler	52.78	6.78
10 51 13 00-0220	EA	12" Wide x 78" High, 16 Gauge Front Filler	61.20	6.78
10 51 13 00-0221		**Locker End Panels** *(10 51 13 00-0209)*		
10 51 13 00-0222	EA	12" Deep x 48" High, 16 Gauge End Panel	56.28	5.43
10 51 13 00-0223	EA	15" Deep x 48" High, 16 Gauge End Panel	68.40	5.43
10 51 13 00-0224	EA	18" Deep x 48" High, 16 Gauge End Panel	80.06	5.43
10 51 13 00-0225	EA	12" Deep x 60" High, 16 Gauge End Panel	66.20	5.43
10 51 13 00-0226	EA	15" Deep x 60" High, 16 Gauge End Panel	74.90	5.43
10 51 13 00-0227	EA	18" Deep x 60" High, 16 Gauge End Panel	88.58	5.43
10 51 13 00-0228	EA	12" Deep x 72" High, 16 Gauge End Panel	77.77	5.43
10 51 13 00-0229	EA	15" Deep x 72" High, 16 Gauge End Panel	88.35	5.43
10 51 13 00-0230	EA	18" Deep x 72" High, 16 Gauge End Panel	102.42	5.43
10 51 13 00-0231	EA	21" Deep x 72" High, 16 Gauge End Panel	117.70	5.43
10 51 13 00-0232		**Locker Recessed Trim** *(10 51 13 00-0153)*		
10 51 13 00-0233	LF	3" Height, Top Trim For Recessed Lockers	12.01	2.71
10 51 13 00-0234	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	32.60	5.43
10 51 13 00-0235	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	48.91	5.43
10 51 13 00-0236	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	50.63	5.43
10 51 13 00-0237	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	52.35	5.43
10 51 13 00-0238	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	53.85	5.43
10 51 13 00-0239		**Locker Interior Accessories** *(10 51 13 00-0153)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0240		**Locker Coat Rods** *(10 51 13 00-0239)*		
10 51 13 00-0241	EA	12" Wide Coat Rod	18.25	5.43
10 51 13 00-0242	EA	15" Wide Coat Rod	19.85	5.43
10 51 13 00-0243	EA	18" Wide Coat Rod	21.27	5.43
10 51 13 00-0244	EA	24" Wide Coat Rod	22.53	5.43
10 51 13 00-0245		**Locker Hat Shelf** *(10 51 13 00-0239)*		
10 51 13 00-0246	EA	12" Wide Hat Shelf	21.62	5.43
10 51 13 00-0247	EA	15" Wide Hat Shelf	25.08	5.43
10 51 13 00-0248	EA	18" Wide Hat Shelf	26.55	5.43
10 51 13 00-0249	EA	24" Wide Hat Shelf	32.32	5.43
10 51 13 00-0250		**Locker ADA Compliant Shelf** *(10 51 13 00-0239)*		
10 51 13 00-0251	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	41.59	6.78
10 51 13 00-0252		**Other Interior Locker Accessories** *(10 51 13 00-0239)*		
10 51 13 00-0253	EA	3" x 10" Bent Plate Shoe Rack	53.98	5.43
10 51 13 00-0254	EA	8" x 10" Mirror	43.20	5.43
10 51 13 00-0255	EA	Additional Hook	13.55	5.43
10 51 13 00-0256		**Locker Locks** *(10 51 13 00-0153)*		
10 51 13 00-0257	EA	Built In Combination Lock	47.23	5.43

10 51 26 Plastic Lockers *(10 51)*

10 51 26 00-0001 Solid Plastic Lockers *(10 51 26)*
Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.

10 51 26 00-0002 Single Tier Solid Plastic Lockers *(10 51 26 00-0001)*
Note: Includes one double hook per tier.

10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	661.66	42.03
		For >50 To 100, Deduct	*-57.76*	
		For >100, Deduct	*-89.16*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	673.25	42.03
		For >50 To 100, Deduct	*-58.92*	
		For >100, Deduct	*-90.90*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	684.84	42.03
		For >50 To 100, Deduct	*-60.08*	
		For >100, Deduct	*-92.64*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	702.22	42.03
		For >50 To 100, Deduct	*-61.82*	
		For >100, Deduct	*-95.24*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	683.84	42.03
		For >50 To 100, Deduct	*-59.98*	
		For >100, Deduct	*-92.49*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	688.72	42.03
		For >50 To 100, Deduct	*-60.47*	
		For >100, Deduct	*-93.22*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	680.14	42.03
		For >50 To 100, Deduct	*-59.61*	
		For >100, Deduct	*-91.93*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	727.99	42.03
		For >50 To 100, Deduct	*-64.39*	
		For >100, Deduct	*-99.11*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	716.95	42.03
		For >50 To 100, Deduct	*-63.29*	
		For >100, Deduct	*-97.45*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	729.83	42.03
		For >50 To 100, Deduct	*-64.58*	
		For >100, Deduct	*-99.39*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	742.70	42.03
		For >50 To 100, Deduct	*-65.86*	
		For >100, Deduct	*-101.32*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	772.14	42.03
		For >50 To 100, Deduct	*-68.81*	
		For >100, Deduct	*-105.73*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	812.62	42.03
		For >50 To 100, Deduct	*-72.86*	
		For >100, Deduct	*-111.80*	
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	775.81	42.03
		For >50 To 100, Deduct	*-69.17*	
		For >100, Deduct	*-106.28*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	842.04	42.03
		For >50 To 100, Deduct	*-75.80*	
		For >100, Deduct	*-116.22*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	722.08	42.03
		For >50 To 100, Deduct	*-63.80*	
		For >100, Deduct	*-98.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	759.82	42.03
		For >50 To 100, Deduct	*-67.58*	
		For >100, Deduct	*-103.88*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	797.59	42.03
		For >50 To 100, Deduct	*-71.35*	
		For >100, Deduct	*-109.55*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	769.93	42.03
		For >50 To 100, Deduct	*-68.59*	
		For >100, Deduct	*-105.40*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	809.93	42.03
		For >50 To 100, Deduct	*-72.59*	
		For >100, Deduct	*-111.40*	
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	849.96	42.03
		For >50 To 100, Deduct	*-76.59*	
		For >100, Deduct	*-117.41*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	817.78	42.03
		For >50 To 100, Deduct	*-73.37*	
		For >100, Deduct	*-112.58*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	860.07	42.03
		For >50 To 100, Deduct	*-77.60*	
		For >100, Deduct	*-118.92*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	825.04	43.39
		For >50 To 100, Deduct	*-73.83*	
		For >100, Deduct	*-113.34*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	867.35	43.39
		For >50 To 100, Deduct	*-78.06*	
		For >100, Deduct	*-119.69*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	909.62	43.39
		For >50 To 100, Deduct	*-82.28*	
		For >100, Deduct	*-126.03*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	879.95	43.39
		For >50 To 100, Deduct	*-79.32*	
		For >100, Deduct	*-121.58*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	924.58	43.39
		For >50 To 100, Deduct	*-83.78*	
		For >100, Deduct	*-128.27*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	969.16	43.39
		For >50 To 100, Deduct	*-88.24*	
		For >100, Deduct	*-134.96*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	923.72	43.39
		For >50 To 100, Deduct	*-83.69*	
		For >100, Deduct	*-128.14*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	981.76	43.39
		For >50 To 100, Deduct	*-89.50*	
		For >100, Deduct	*-136.85*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	1,028.62	43.39
		For >50 To 100, Deduct	*-94.18*	
		For >100, Deduct	*-143.88*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	741.74	43.39
		For >50 To 100, Deduct	*-65.50*	
		For >100, Deduct	*-100.85*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	752.78	43.39
		For >50 To 100, Deduct	*-66.60*	
		For >100, Deduct	*-102.50*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	769.32	43.39
		For >50 To 100, Deduct	*-68.25*	
		For >100, Deduct	*-104.98*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	763.81	43.39
		For >50 To 100, Deduct	*-67.70*	
		For >100, Deduct	*-104.16*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	793.26	43.39
		For >50 To 100, Deduct	*-70.65*	
		For >100, Deduct	*-108.58*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	863.15	43.39
		For >50 To 100, Deduct	*-77.64*	
		For >100, Deduct	*-119.06*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	771.18	43.39
		For >50 To 100, Deduct	*-68.44*	
		For >100, Deduct	*-105.26*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	806.78	43.39
		For >50 To 100, Deduct	*-72.00*	
		For >100, Deduct	*-110.60*	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	870.52	43.39
		For >50 To 100, Deduct	*-78.37*	
		For >100, Deduct	*-120.16*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	767.06	43.39
		For >50 To 100, Deduct	*-68.03*	
		For >100, Deduct	*-104.65*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	824.69	43.39
		For >50 To 100, Deduct	*-73.79*	
		For >100, Deduct	*-113.29*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	841.15	43.39
		For >50 To 100, Deduct	*-75.44*	
		For >100, Deduct	*-115.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	834.32	43.39
		For >50 To 100, Deduct	*-74.75*	
		For >100, Deduct	*-114.73*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	872.51	43.39
		For >50 To 100, Deduct	*-78.57*	
		For >100, Deduct	*-120.46*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	879.98	43.39
		For >50 To 100, Deduct	*-79.32*	
		For >100, Deduct	*-121.58*	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	920.36	43.39
		For >50 To 100, Deduct	*-83.36*	
		For >100, Deduct	*-127.64*	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	960.74	43.39
		For >50 To 100, Deduct	*-87.40*	
		For >100, Deduct	*-133.70*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	887.05	44.75
		For >50 To 100, Deduct	*-79.76*	
		For >100, Deduct	*-122.32*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	927.43	44.75
		For >50 To 100, Deduct	*-83.79*	
		For >100, Deduct	*-128.37*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	948.47	44.75
		For >50 To 100, Deduct	*-85.90*	
		For >100, Deduct	*-131.53*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	939.47	44.75
		For >50 To 100, Deduct	*-85.00*	
		For >100, Deduct	*-130.18*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	982.06	44.75
		For >50 To 100, Deduct	*-89.26*	
		For >100, Deduct	*-136.57*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,024.63	44.75
		For >50 To 100, Deduct	*-93.51*	
		For >100, Deduct	*-142.95*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	947.09	44.75
		For >50 To 100, Deduct	*-85.76*	
		For >100, Deduct	*-131.32*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,036.65	44.75
		For >50 To 100, Deduct	*-94.72*	
		For >100, Deduct	*-144.76*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,081.38	44.75
		For >50 To 100, Deduct	*-99.19*	
		For >100, Deduct	*-151.47*	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	730.65	44.75
		For >50 To 100, Deduct	*-64.12*	
		For >100, Deduct	*-98.86*	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	760.95	44.75
		For >50 To 100, Deduct	*-67.15*	
		For >100, Deduct	*-103.40*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	788.74	44.75
		For >50 To 100, Deduct	*-69.92*	
		For >100, Deduct	*-107.57*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	794.12	44.75
		For >50 To 100, Deduct	*-70.46*	
		For >100, Deduct	*-108.38*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	858.86	44.75
		For >50 To 100, Deduct	*-76.94*	
		For >100, Deduct	*-118.09*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	859.16	44.75
		For >50 To 100, Deduct	*-76.97*	
		For >100, Deduct	*-118.13*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	894.49	44.75
		For >50 To 100, Deduct	*-80.50*	
		For >100, Deduct	*-123.43*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	929.97	44.75
		For >50 To 100, Deduct	*-84.05*	
		For >100, Deduct	*-128.76*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	965.42	44.75
		For >50 To 100, Deduct	*-87.59*	
		For >100, Deduct	*-134.07*	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	936.90	44.75
		For >50 To 100, Deduct	*-84.74*	
		For >100, Deduct	*-129.80*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	974.39	44.75
		For >50 To 100, Deduct	*-88.49*	
		For >100, Deduct	*-135.42*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,011.88	44.75
		For >50 To 100, Deduct	*-92.24*	
		For >100, Deduct	*-141.04*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	943.64	46.11
		For >50 To 100, Deduct	*-85.14*	
		For >100, Deduct	*-130.48*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	981.15	46.11
		For >50 To 100, Deduct	*-88.89*	
		For >100, Deduct	*-136.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,007.48	46.11
		For >50 To 100, Deduct	*-91.53*	
		For >100, Deduct	*-140.06*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	992.31	46.11
		For >50 To 100, Deduct	*-90.01*	
		For >100, Deduct	*-137.78*	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,004.21	46.11
		For >50 To 100, Deduct	*-91.20*	
		For >100, Deduct	*-139.57*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,047.05	46.11
		For >50 To 100, Deduct	*-95.48*	
		For >100, Deduct	*-145.99*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	975.29	46.11
		For >50 To 100, Deduct	*-88.31*	
		For >100, Deduct	*-135.23*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,062.41	46.11
		For >50 To 100, Deduct	*-97.02*	
		For >100, Deduct	*-148.30*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,124.09	46.11
		For >50 To 100, Deduct	*-103.19*	
		For >100, Deduct	*-157.55*	

10 51 26 00-0084 Four Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	848.34	46.11
		For >50 To 100, Deduct	*-75.61*	
		For >100, Deduct	*-116.19*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	872.93	46.11
		For >50 To 100, Deduct	*-78.07*	
		For >100, Deduct	*-119.87*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	918.27	46.11
		For >50 To 100, Deduct	*-82.61*	
		For >100, Deduct	*-126.68*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	912.74	46.11
		For >50 To 100, Deduct	*-82.05*	
		For >100, Deduct	*-125.85*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	971.47	46.11
		For >50 To 100, Deduct	*-87.93*	
		For >100, Deduct	*-134.66*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	990.00	46.11
		For >50 To 100, Deduct	*-89.78*	
		For >100, Deduct	*-137.43*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	980.80	46.11
		For >50 To 100, Deduct	*-88.86*	
		For >100, Deduct	*-136.05*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,012.08	46.11
		For >50 To 100, Deduct	*-91.99*	
		For >100, Deduct	*-140.75*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,102.24	46.11
		For >50 To 100, Deduct	*-101.00*	
		For >100, Deduct	*-154.27*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	976.07	47.46
		For >50 To 100, Deduct	*-88.12*	
		For >100, Deduct	*-135.02*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,019.67	47.46
		For >50 To 100, Deduct	*-92.48*	
		For >100, Deduct	*-141.56*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,025.35	47.46
		For >50 To 100, Deduct	*-93.04*	
		For >100, Deduct	*-142.41*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,080.29	47.46
		For >50 To 100, Deduct	*-98.54*	
		For >100, Deduct	*-150.65*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,029.45	47.46
		For >50 To 100, Deduct	*-93.45*	
		For >100, Deduct	*-143.03*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,075.51	47.46
		For >50 To 100, Deduct	*-98.06*	
		For >100, Deduct	*-149.94*	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,027.69	47.46
		For >50 To 100, Deduct	*-93.28*	
		For >100, Deduct	*-142.76*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,082.88	47.46
		For >50 To 100, Deduct	*-98.80*	
		For >100, Deduct	*-151.04*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,165.57	47.46
		For >50 To 100, Deduct	*-107.07*	
		For >100, Deduct	*-163.45*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	922.27	46.78
		For >50 To 100, Deduct	*-82.87*	
		For >100, Deduct	*-127.11*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	952.72	46.78
		For >50 To 100, Deduct	*-85.92*	
		For >100, Deduct	*-131.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	983.17	46.78
		For >50 To 100, Deduct	*-88.96*	
		For >100, Deduct	*-136.25*	
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	963.78	46.78
		For >50 To 100, Deduct	*-87.02*	
		For >100, Deduct	*-133.34*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,018.32	46.78
		For >50 To 100, Deduct	*-92.48*	
		For >100, Deduct	*-141.52*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,044.72	46.78
		For >50 To 100, Deduct	*-95.12*	
		For >100, Deduct	*-145.48*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,035.51	46.78
		For >50 To 100, Deduct	*-94.19*	
		For >100, Deduct	*-144.10*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,064.96	46.78
		For >50 To 100, Deduct	*-97.14*	
		For >100, Deduct	*-148.52*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,160.63	46.78
		For >50 To 100, Deduct	*-106.71*	
		For >100, Deduct	*-162.87*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,005.83	48.14
		For >50 To 100, Deduct	*-90.96*	
		For >100, Deduct	*-139.32*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,039.97	48.14
		For >50 To 100, Deduct	*-94.37*	
		For >100, Deduct	*-144.44*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,074.09	48.14
		For >50 To 100, Deduct	*-97.78*	
		For >100, Deduct	*-149.56*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,062.15	48.14
		For >50 To 100, Deduct	*-96.59*	
		For >100, Deduct	*-147.77*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,086.16	48.14
		For >50 To 100, Deduct	*-98.99*	
		For >100, Deduct	*-151.37*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,122.12	48.14
		For >50 To 100, Deduct	*-102.59*	
		For >100, Deduct	*-156.77*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,094.48	48.14
		For >50 To 100, Deduct	*-99.82*	
		For >100, Deduct	*-152.62*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,135.72	48.14
		For >50 To 100, Deduct	*-103.95*	
		For >100, Deduct	*-158.81*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,183.57	48.14
		For >50 To 100, Deduct	*-108.73*	
		For >100, Deduct	*-165.98*	

10 51 26 00-0122 Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,062.76	47.46
		For >50 To 100, Deduct	*-96.78*	
		For >100, Deduct	*-148.02*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,043.22	48.82
		For >50 To 100, Deduct	*-94.56*	
		For >100, Deduct	*-144.77*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,077.31	48.82
		For >50 To 100, Deduct	*-97.97*	
		For >100, Deduct	*-149.88*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,100.07	48.82
		For >50 To 100, Deduct	*-100.24*	
		For >100, Deduct	*-153.29*	
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,145.53	48.82
		For >50 To 100, Deduct	*-104.79*	
		For >100, Deduct	*-160.11*	
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,158.80	48.82
		For >50 To 100, Deduct	*-106.12*	
		For >100, Deduct	*-162.10*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,168.28	48.82
		For >50 To 100, Deduct	*-107.07*	
		For >100, Deduct	*-163.53*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,172.05	48.82
		For >50 To 100, Deduct	*-107.44*	
		For >100, Deduct	*-164.09*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,213.74	48.82
		For >50 To 100, Deduct	*-111.61*	
		For >100, Deduct	*-170.35*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,268.70	48.82
		For >50 To 100, Deduct	*-117.11*	
		For >100, Deduct	*-178.59*	

10 51 26 00-0133 Solid Plastic Locker Accessories *(10 51 26 00-0001)*

10 51 26 00-0134 Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	50.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0136		Recessed Bases For Solid Plastic Lockers *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	55.13	
10 51 26 00-0138		End Panels For Solid Plastic Lockers *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	126.48	
10 51 26 00-0140		Venting Options For Solid Plastic Locker Doors *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	49.21	
10 51 26 00-0142		Filler Panels For Solid Plastic Lockers *(10 51 26 00-0133)*		
10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)	132.31	
		Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0144		Locker Accessories For Solid Plastic Lockers *(10 51 26 00-0133)*		
10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers	12.30	
		Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	36.91	
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	49.21	
10 51 53		**Locker Room Benches** *(10 51)*		
10 51 53 00-0001	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals	118.62	6.78
10 51 53 00-0002	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals	94.81	6.78
10 51 53 00-0003	LF	9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals	144.49	6.78
10 51 53 00-0004	LF	9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	138.11	6.78
10 51 53 00-0005	LF	9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	107.44	6.78
10 56		**Storage Assemblies** *(10 50)*		
10 56 13		**Metal Storage Shelving** *(10 56)*		
10 56 13 16		**Post-And-Shelf Metal Storage Shelving** *(10 56 13)*		
10 56 13 16-0001		Baked Enamel Steel Shelving *(10 56 13 16)*		
10 56 13 16-0002		7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)*		
10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	155.13	22.91
		For >75" To 87" High, Add	*13.49*	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	155.46	24.05
		For >75" To 87" High, Add	*13.40*	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	149.45	26.35
		For >75" To 87" High, Add	*12.62*	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	189.88	28.63
		For >75" To 87" High, Add	*16.51*	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	212.85	29.78
		For >75" To 87" High, Add	*18.63*	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	205.19	32.08
		For >75" To 87" High, Add	*17.71*	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	227.96	34.36
		For >75" To 87" High, Add	*19.81*	
10 56 13 16-0010		3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)*		
		Note: Adjustable shelves.		
10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	111.62	11.68
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	110.43	12.49
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	124.04	13.28
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	129.00	14.09
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	148.62	15.01
10 56 13 16-0016		4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)*		
10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	130.12	22.91
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	105.83	24.05
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	121.39	26.35
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	127.92	28.63
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	146.16	29.78
10 56 16		**Fabricated Wood Storage Shelving** *(10 56)*		
10 56 16 00-0001		Shelving *(10 56 16)*		
10 56 16 00-0002		Built-In Wood Shelving *(10 56 16 00-0001)*		
		Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	25.84	3.41
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	27.84	4.10
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	28.18	6.83
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	

10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving	21.61	8.19
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving	23.71	8.74
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving	26.06	9.43
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade	33.72	

10 56 16 00-0011 Plywood Shelf With Edge Band *(10 56 16 00-0001)*

10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band	26.09	8.19
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band	40.23	10.25

10 56 16 00-0014 Adjustable Shelf And Rod *(10 56 16 00-0001)*

10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long Note: Including Rod	223.97	30.74
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long Note: Including Rod	265.05	40.98

10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports *(10 56 16 00-0001)*

10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports	22.80	8.19
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports	24.79	8.74
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards	79.17	13.66

10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade	25.58	12.84

10 56 17 Wall-Mounted Standards and Shelving *(10 56)*

10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	95.33	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	98.62	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	106.25	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	116.11	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	118.56	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	139.68	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	

10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	155.23	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	170.18	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	185.21	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	219.75	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	240.19	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	269.72	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	

10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	64.23	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	66.45	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	69.15	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	73.06	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	77.79	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	90.52	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	

10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	93.24	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	104.75	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	

10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving	218.34	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving	227.16	13.56
		For Installation On Concrete Walls, Add	*3.09*	
		For Installation On Concrete Block Walls, Add	*4.06*	

10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	67.23	13.56
		For Installation On Concrete Walls, Add	*4.59*	
		For Installation On Concrete Block Walls, Add	*5.56*	
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	68.77	13.56
		For Installation On Concrete Walls, Add	*4.63*	
		For Installation On Concrete Block Walls, Add	*5.60*	
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	69.78	13.56
		For Installation On Concrete Walls, Add	*4.66*	
		For Installation On Concrete Block Walls, Add	*5.63*	
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	73.37	13.56
		For Installation On Concrete Walls, Add	*4.74*	
		For Installation On Concrete Block Walls, Add	*5.71*	
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	75.20	13.56
		For Installation On Concrete Walls, Add	*4.77*	
		For Installation On Concrete Block Walls, Add	*5.74*	
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	80.71	13.56
		For Installation On Concrete Walls, Add	*4.88*	
		For Installation On Concrete Block Walls, Add	*5.85*	

10 56 17 00-0035 Wall Mounted Shelving Accessories *(10 56 17)*

10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit	37.51	

10 56 29 Storage Racks *(10 56)*

10 56 29 13 Flow Storage Racks *(10 56 29)*

10 56 29 13-0001 Steel Record Storage Rack *(10 56 29 13)*

Note: Includes 5/8" particleboard decking.

10 56 29 13-0002	SF	16" Depth Record Storage Racks Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.	16.25	1.60
10 56 29 13-0003	SF	24" Depth Record Storage Racks Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.	12.25	1.20
10 56 29 13-0004	SF	34" Depth Record Storage Racks Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.	10.48	0.98

10 56 29 16 Pallet Storage Racks *(10 56 29)*

10 56 29 16-0001 Dry Storage Pallet Racks *(10 56 29 16)*

Note: Excludes decking.

10 56 29 16-0002 18,000 Lb. Frame Pallet Racks *(10 56 29 16-0001)*

10 56 29 16-0003	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	15.57	2.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 29 16-0004	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.09	2.41
10 56 29 16-0005	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.76	2.75
10 56 29 16-0006	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	13.64	1.89
10 56 29 16-0007	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.95	2.18
10 56 29 16-0008	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.47	2.52
10 56 29 16-0009	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	12.10	1.72
10 56 29 16-0010	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	13.29	2.00
10 56 29 16-0011	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.64	2.29
10 56 29 16-0012		**24,000 Lb. Frame Pallet Racks** *(10 56 29 16-0001)*		
10 56 29 16-0013	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.43	2.37
10 56 29 16-0014	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.22	2.51
10 56 29 16-0015	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	20.02	3.16
10 56 29 16-0016	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.46	2.18
10 56 29 16-0017	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.00	2.51
10 56 29 16-0018	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.68	2.90
10 56 29 16-0019	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 24000# frames with adjustable height shelving levels. Per SF of shelving area.	12.86	1.98
10 56 29 16-0020	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 24000# frames with adjustable height shelving levels. Per SF of shelving area.	14.33	2.31
10 56 29 16-0021	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 24000# frames with adjustable height shelving levels. Per SF of shelving area.	15.79	2.64
10 56 29 16-0022		**32,000 Lb. Frame Pallet Racks** *(10 56 29 16-0001)*		
10 56 29 16-0023	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	17.36	2.73
10 56 29 16-0024	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	19.39	3.18
10 56 29 16-0025	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	21.43	3.64
10 56 29 16-0026	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	15.25	2.50
10 56 29 16-0027	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	16.97	2.87
10 56 29 16-0028	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	18.85	3.33
10 56 29 16-0029	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	13.53	2.27
10 56 29 16-0030	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	15.15	2.65
10 56 29 16-0031	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	16.75	3.03
10 56 29 16-0032		**45,000 Lb. Frame Pallet Racks** *(10 56 29 16-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 29 16-0033	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	18.60	3.14
10 56 29 16-0034	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	20.97	3.66
10 56 29 16-0035	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	23.35	4.18
10 56 29 16-0036	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	16.35	2.87
10 56 29 16-0037	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	18.36	3.31
10 56 29 16-0038	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	20.55	3.84
10 56 29 16-0039	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	14.53	2.61
10 56 29 16-0040	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	16.39	3.05
10 56 29 16-0041	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	18.26	3.48
10 56 29 16-0042		Pallet Rack Accessories *(10 56 29 16-0001)*		
10 56 29 16-0043	EA	36" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	23.64	
10 56 29 16-0044	EA	42" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	26.08	
10 56 29 16-0045	EA	48" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	28.52	
10 56 29 16-0046	EA	3" Deep, 36" To 48" Long Pallet Support For 32,000 Lb. Pallet Racks	86.26	
10 56 29 16-0047	EA	4" Deep, 36" To 48" Long Pallet Support For 45,000 Lb. Pallet Racks	92.65	
10 56 29 16-0048	LF	36" Deep, Pallet Racks Wire Decking	27.61	
10 56 29 16-0049	LF	42" Deep, Pallet Racks Wire Decking	28.56	
10 56 29 16-0050	LF	48" Deep, Pallet Racks Wire Decking	31.51	
10 56 29 63		**Box Shelving** *(10 56 29)*		
10 56 29 63-0001		Box Shelving *(10 56 29 63)*		
10 56 29 63-0002	EA	48" Wide 60" High X 48" Deep, 9,000 Lb. Capacity, Single Tier Box Shelving	528.57	74.22

10 57 Wardrobe And Closet Specialties *(10 50)*

10 57 13 Hat And Coat Racks *(10 57)*

10 57 13 00-0001		Hat And Coat Rack *(10 57 13)*		
10 57 13 00-0002		Single Tier *(10 57 13 00-0001)*		
10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel	75.85	6.78
		For Custom Made Units, Add	*34.73*	
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	55.38	6.78
		For Custom Made Units, Add	*22.44*	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	148.39	6.78
		For Custom Made Units, Add	*78.25*	
10 57 13 00-0006		Double Tier *(10 57 13 00-0001)*		
10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	101.47	6.78
		For Custom Made Units, Add	*47.55*	
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	62.66	6.78
		For Custom Made Units, Add	*24.26*	
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum	252.54	6.78
		For Custom Made Units, Add	*138.19*	

10 57 43 Wardrobe Units *(10 57)*

10 57 43 00-0001		Dormitory Wardrobe Units *(10 57 43)*		
10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	2,251.01	251.13
		For Custom Made Units, Add	*1,174.83*	
10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	1,737.33	251.13
		For Custom Made Units, Add	*866.62*	
10 57 43 00-0004		Hospital Wardrobe Units 24" x 24" x 76" With Door *(10 57 43)*		
10 57 43 00-0005	EA	Baked Enamel Steel Hospital Wardrobe 24" x 24" x 76" Unit With Door	1,278.11	251.13
		For Custom Made Units, Add	*591.09*	
10 57 43 00-0006	EA	Hardwood Hospital Wardrobe 24" x 24" x 76" Unit With Door	1,271.39	251.13
		For Custom Made Units, Add	*587.05*	
10 57 43 00-0007	EA	Stainless Steel Hospital Wardrobe 24" x 24" x 76" Unit With Door	1,789.79	251.13
		For Custom Made Units, Add	*898.09*	
10 57 43 00-0008	EA	Plastic Laminate Hospital Wardrobe 24" x 24" x 76" Unit With Door	3,565.72	251.13
		For Custom Made Units, Add	*1,963.65*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 70 Exterior Specialties (10)

10 71 Exterior Protection (10 70)

10 71 13 Exterior Sun Control Devices (10 71)

10 71 13 13 Exterior Shutters (10 71 13)

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished (10 71 13 13)

10 71 13 13-0002 Louvered Decorative Shutters (10 71 13 13-0001)

10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic	123.93	40.94
		For Colored Finish, Add	*12.48*	
10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic	134.15	42.99
		For Colored Finish, Add	*13.83*	
10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic	144.39	45.04
		For Colored Finish, Add	*15.18*	
10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic	153.75	47.08
		For Colored Finish, Add	*16.38*	
10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic	164.32	49.13
		For Colored Finish, Add	*17.79*	
10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic	175.31	51.18
		For Colored Finish, Add	*19.27*	
10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic	182.91	53.23
		For Colored Finish, Add	*20.15*	
10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic	191.31	55.27
		For Colored Finish, Add	*21.17*	
10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic	202.46	57.32
		For Colored Finish, Add	*22.69*	
10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic	217.26	59.37
		For Colored Finish, Add	*24.86*	
10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic	224.47	61.41
		For Colored Finish, Add	*25.67*	
10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic	242.96	63.46
		For Colored Finish, Add	*28.50*	
10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic	250.10	65.51
		For Colored Finish, Add	*29.30*	
10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic	263.08	67.55
		For Colored Finish, Add	*31.14*	

10 71 13 13-0017 Raised Panel Decorative Shutters (10 71 13 13-0001)

10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	172.32	45.04
		For Colored Finish, Add	*20.21*	
10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	184.50	47.08
		For Colored Finish, Add	*21.91*	
10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	192.62	49.13
		For Colored Finish, Add	*22.88*	
10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	205.15	51.18
		For Colored Finish, Add	*24.65*	
10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	215.95	53.23
		For Colored Finish, Add	*26.10*	
10 71 13 13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	226.16	55.27
		For Colored Finish, Add	*27.44*	
10 71 13 13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	239.88	57.32
		For Colored Finish, Add	*29.42*	
10 71 13 13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	257.88	59.37
		For Colored Finish, Add	*32.17*	
10 71 13 13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	270.59	61.41
		For Colored Finish, Add	*33.97*	
10 71 13 13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	284.87	63.46
		For Colored Finish, Add	*36.05*	
10 71 13 13-0028	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	289.82	65.51
		For Colored Finish, Add	*36.45*	
10 71 13 13-0029	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	300.19	67.55
		For Colored Finish, Add	*37.82*	

10 71 13 13-0030 Exterior Spanish Cedar Shutters (10 71 13 13)

10 71 13 13-0031 12" Width (10 71 13 13-0030)

10 71 13 13-0032	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	522.10	40.94
		For Arched Tops, Add	*150.00*	
10 71 13 13-0033	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	564.23	45.04
		For Arched Tops, Add	*150.00*	
10 71 13 13-0034	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	603.63	47.08
		For Arched Tops, Add	*150.00*	
10 71 13 13-0035	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	645.76	51.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0036	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	685.16	53.23
		For Arched Tops, Add	*150.00*	
10 71 13 13-0037	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	730.33	57.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0038	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	769.75	59.37
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	809.14	61.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	851.26	65.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0041		**14" Width** *(10 71 13 13-0030)*		
10 71 13 13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	552.66	40.94
		For Arched Tops, Add	*150.00*	
10 71 13 13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	600.90	45.04
		For Arched Tops, Add	*150.00*	
10 71 13 13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	646.42	47.08
		For Arched Tops, Add	*150.00*	
10 71 13 13-0045	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	694.65	51.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0046	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	740.16	53.23
		For Arched Tops, Add	*150.00*	
10 71 13 13-0047	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	788.39	57.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0048	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	833.92	59.37
		For Arched Tops, Add	*150.00*	
10 71 13 13-0049	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	876.36	61.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0050	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	924.60	65.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0051		**16" Width** *(10 71 13 13-0030)*		
10 71 13 13-0052	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	586.27	40.94
		For Arched Tops, Add	*150.00*	
10 71 13 13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	637.57	45.04
		For Arched Tops, Add	*150.00*	
10 71 13 13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	689.20	47.08
		For Arched Tops, Add	*150.00*	
10 71 13 13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	740.48	51.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	792.11	53.23
		For Arched Tops, Add	*150.00*	
10 71 13 13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	846.45	57.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	895.03	59.37
		For Arched Tops, Add	*150.00*	
10 71 13 13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	946.64	61.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,000.99	65.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0061		**18" Width** *(10 71 13 13-0030)*		
10 71 13 13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	616.83	40.94
		For Arched Tops, Add	*150.00*	
10 71 13 13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	674.25	45.04
		For Arched Tops, Add	*150.00*	
10 71 13 13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	731.98	47.08
		For Arched Tops, Add	*150.00*	
10 71 13 13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	789.38	51.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	844.05	53.23
		For Arched Tops, Add	*150.00*	
10 71 13 13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	904.50	57.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	959.19	59.37
		For Arched Tops, Add	*150.00*	
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,016.92	61.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,074.33	65.51
		For Arched Tops, Add	*150.00*	
10 71 13 13-0071		**20" Width** *(10 71 13 13-0030)*		
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	647.39	40.94
		For Arched Tops, Add	*150.00*	
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	710.90	45.04
		For Arched Tops, Add	*150.00*	
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	771.70	47.08
		For Arched Tops, Add	*150.00*	
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	838.27	51.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	899.05	53.23
		For Arched Tops, Add	*150.00*	
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	962.56	57.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	1,023.37	59.37
		For Arched Tops, Add	*150.00*	
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,084.15	61.41
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0080	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,147.67	65.51
		For Arched Tops, Add	*150.00*	

10 73 Protective Covers *(10 70)*

10 73 13 Awnings *(10 73)*

10 73 13 13 Metal Awnings *(10 73 13)*

10 73 13 13-0001 Metal Awnings *(10 73 13 13)*
Note: Includes metal cover, frame supports and anchoring.

10 73 13 13-0002	SF	Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	79.03	9.41
10 73 13 13-0003	SF	Baked Enamel Finish, Ribbed Aluminum Window Awning	69.90	8.43
10 73 13 13-0004	SF	Flat Roofed Steel Awning Note: Per SF of covered area	236.84	9.78
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	244.41	10.99

10 73 13 23 Fabric Awnings *(10 73 13)*

10 73 13 23-0001 Canvas Awnings *(10 73 13 23)*
Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	78.66	8.95
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	44.74	2.89
10 73 13 23-0004	SF	Removal And Replacement Of Canvas For Awnings Note: Includes removal of existing canvas cover.	30.44	
		For 18 Oz. Vinyl Laminated Polyester Cover, Add	*0.98*	

10 73 16 Canopies *(10 73)*

10 73 16 13 Metal Canopies *(10 73 16)*

10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16 13)*
Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	7,313.54	555.93
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	13,551.39	889.70
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	9,004.33	695.58
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	16,471.92	930.14

10 73 26 Walkway Coverings *(10 73)*

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings *(10 73 26)*

10 73 26 13-0001 Steel Walkway/Parking Covers *(10 73 26 13)*
Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	117.40	7.86
		For Snow Load (30 PSF), Add	*40.67*	
		For Wind Load (140 MPH), Add	*50.84*	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	124.97	8.47
		For Snow Load (30 PSF), Add	*43.22*	
		For Wind Load (140 MPH), Add	*54.02*	

10 73 26 13-0004 Aluminum Walkway/Parking Covers *(10 73 26 13)*

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	70.14	7.86
		For Snow Load (30 PSF), Add	*21.77*	
		For Wind Load (140 MPH), Add	*27.21*	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	76.29	8.47
		For Snow Load (30 PSF), Add	*23.74*	
		For Wind Load (140 MPH), Add	*29.68*	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*
Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	4,177.67	1,001.83
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	4,467.32	1,092.88
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	5,613.21	1,275.02
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	6,511.22	1,457.46
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	11,977.41	1,639.56
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	14,244.70	1,821.46
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	24,420.72	2,004.22
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	31,598.51	2,185.76
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles *(10 75 16)*

Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	3,126.92	910.96
		For Internal Halyard, Winch System, Add	*570.00*	
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,685.09	1,001.83
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,081.76	1,092.88
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Clear Anodized Finish, Add	*240.00*	
		For Bronze Anodized Finish, Add	*290.00*	
		For Black Anodized Finish, Add	*400.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,133.51	1,275.02
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,292.93	1,457.46
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,937.23	1,548.48
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	8,582.85	1,639.56
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	14,275.10	1,821.46
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	15,628.31	2,004.22
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	19,404.06	2,185.76
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0021 Flagpole Bases *(10 75 16)*

10 75 16 00-0022 Flagpole Concrete Base *(10 75 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,873.88	
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,937.57	
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	2,225.02	
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	2,354.33	
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	2,825.48	
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	3,423.34	
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	4,051.85	
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	4,710.65	
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	5,491.49	

10 75 16 00-0032 Direct Embedded Flagpole Base *(10 75 16 00-0021)*

Note: Augured in place, no concrete required.

10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	794.68	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	1,140.08	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	1,274.13	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	1,432.85	

10 75 16 00-0037 Flagpole Accessories *(10 75 16)*

10 75 16 00-0038 Flagpole Tops *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	145.45	57.65
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	157.61	61.05
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	174.08	64.44
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	217.48	67.82
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	275.94	71.21
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	305.34	74.60
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	282.73	74.60
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	327.83	84.78

10 75 16 00-0047 Flagpole Accessories *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.46	0.10
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.73	0.10
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.56	0.10
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.96	0.10
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	469.43	169.50
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	336.99	101.70
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	27.23	6.78
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.82	0.11

10 75 23 Wall-Mounted Flagpoles *(10 75)*

10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,211.74	799.01
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,403.85	878.91
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,606.71	958.82
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	3,023.22	1,118.62
		For Rope Lock Box, Add	*96.00*	

10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.

10 75 23 00-0007	EA	10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,773.30	719.12
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,997.71	799.01
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	3,360.38	958.82
		For Rope Lock Box, Add	*96.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001 Stainless Steel Spiked Bird Barrier *(10 81 13)*

Note: Stainless steel spikes with flexible polycarbonate base.

10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	11.03	1.09
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	13.33	1.09
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	19.63	1.09

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier *(10 81 13)*

Note: Polycarbonate spikes and base.

10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	10.19	1.09
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	12.36	1.09
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	14.74	1.09

10 81 16 Insect Control Devices *(10 81)*

10 81 16 00-0001 Insect Screening *(10 81 16)*

10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines	143.49	

10 86 Security Mirrors And Domes *(10 80)*

10 86 00 00-0001 Dome Mirrors *(10 86)*

Note: Includes all mounting hardware. Indoor or outdoor applications.

10 86 00 00-0002 Steel Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror	327.98	27.13
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror	385.44	28.48
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror	445.60	31.20
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror	593.84	33.91
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror	234.91	20.35
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror	270.96	21.70
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror	316.44	23.73
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror	439.51	25.78

10 86 00 00-0011 Plexiglas Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	256.38	31.20
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	360.58	33.91
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	476.17	39.33
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	575.76	47.48
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	840.19	67.82
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	157.68	23.73
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	211.73	25.78
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	278.43	29.84
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	343.24	35.94
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	544.46	50.87
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	102.58	20.35
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	131.16	22.39
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	171.82	25.09
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	213.93	29.84
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	353.74	42.39

10 86 00 00-0027 Coated Plexiglas Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	305.17	31.20
10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	470.07	33.91
10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	794.74	47.48
10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	1,223.40	67.82
10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	198.62	23.73
10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	294.32	25.78
10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	464.63	35.94
10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	768.20	50.87
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	144.70	20.35
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	202.09	22.39
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	261.31	25.09
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	335.79	29.84
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	525.12	42.39

10 86 00 00-0041 Circular Convex Security Mirrors *(10 86)*

Note: Includes all mounting hardware.

10 86 00 00-0042 Plexiglas Circular Convex Mirrors *(10 86 00 00-0041)*

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	110.06	21.70
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	142.45	23.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	214.35	25.78
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	267.48	29.84
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	355.14	35.94
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	625.38	50.87
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	182.68	23.73
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	261.95	25.78
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	374.19	35.94
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	682.51	50.87

10 86 00 00-0053 Coated Plexiglas Circular Convex Mirrors *(10 86 00 00-0041)*

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0054	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	219.81	23.73
10 86 00 00-0055	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	344.30	25.78
10 86 00 00-0056	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	461.94	29.84
10 86 00 00-0057	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	576.50	35.94
10 86 00 00-0058	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	837.22	50.87
10 86 00 00-0059	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	263.36	23.73
10 86 00 00-0060	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	406.19	25.78
10 86 00 00-0061	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	564.29	29.84
10 86 00 00-0062	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	638.39	35.94
10 86 00 00-0063	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	1,010.98	50.87

END OF SECTION 10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation and Maintenance of Equipment *(11)*

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment *(11 01)*

11 01 10 13 Operation and Maintenance of Parking Equipment *(11 01 10)*

11 01 10 13-0001 Replacement Parking Equipment *(11 01 10 13)*

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	633.52	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	662.20	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	695.09	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	925.14	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	955.94	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,354.83	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,374.70	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,412.71	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,624.64	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,651.48	

11 10 Vehicle and Pedestrian Equipment *(11)*

11 12 Parking Control Equipment *(11 10)*

11 12 16 Parking Ticket Dispensers *(11 12)*

11 12 16 00-0001 Parking Ticket Dispensers *(11 12 16)*

11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp	12,003.63	233.74
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	16,157.17	233.74

11 12 23 Parking Meters *(11 12)*

11 12 23 00-0001 Parking Meters *(11 12 23)*

11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	222.94	

11 12 26 Parking Fee Collection Equipment *(11 12)*

11 12 26 13 Parking Fee Coin Collection Equipment *(11 12 26)*

11 12 26 13-0001 Parking Fee Collection Equipment *(11 12 26 13)*

11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection	2,852.45	79.21

11 12 33 Parking Gates *(11 12)*

11 12 33 13 Lift Arm Parking Gates *(11 12 33)*

11 12 33 13-0001 Barrier Parking Gate Operators *(11 12 33 13)*

11 12 33 13-0002 Barrier Parking Gate Operators *(11 12 33 13-0001)*

Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.

11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,712.67	648.28
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,691.04	648.28
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,965.10	648.28
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	9,718.23	648.28
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,895.39	648.28
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	10,328.13	648.28

11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes *(11 12 33 13-0001)*

Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.

11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	19,704.31	1,296.57
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,992.79	1,296.57
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	19,866.59	1,296.57
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	23,155.06	1,296.57

11 12 33 13-0014 Barrier Parking Gate Operator Accessories *(11 12 33 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	226.51	23.10
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	204.87	23.10
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	478.94	23.10
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	722.35	23.10
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	659.25	23.10
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	659.25	23.10
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	803.49	23.10
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	682.84	138.58
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	682.84	138.58
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	683.06	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,751.37	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD) Note: Includes mounting plate and hardware. Excludes concrete foundation.	1,276.63	46.20

11 12 36 Tire Shredders *(11 12)*

11 12 36 00-0001 Tire Shredding Traffic Control Spikes *(11 12 36)*

11 12 36 00-0002 Flush Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*

11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	2,803.69	369.54

11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*

11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	5,053.07	184.77
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	3,610.61	184.77

11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*

11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615) Note: Includes light and mounting post.	2,248.18	69.29
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603) Note: Includes mounting post and hardware.	1,825.57	92.38

11 13 Loading Dock Equipment *(11 10)*

Note: Includes all anchor bolts, drilling and fasteners.

11 13 13 Loading Dock Bumpers *(11 13)*

11 13 13 00-0001 Laminated Rubber Dock Bumpers *(11 13 13)*

11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*

11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	142.22	27.12
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.25	27.12
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	221.85	27.12
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	156.29	27.12
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	167.97	27.12
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	188.83	27.12
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	221.85	27.12
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	296.41	27.12
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	174.93	27.12
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	188.83	27.12
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	228.48	27.12
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	256.60	27.12
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	347.91	27.12
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	212.06	27.12
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	244.76	27.12
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	314.42	27.12

11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*

11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	195.74	27.12
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	207.27	27.12
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	235.07	27.12
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	277.41	27.12
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	371.09	27.12
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	221.33	27.12
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	230.81	27.12
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	268.41	27.12
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	324.49	27.12
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	481.51	27.12
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	277.57	27.12
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	315.17	27.12
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	320.17	27.12

11 13 13 00-0033 Extruded Rubber Dock Bumpers *(11 13 13)*

11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*

11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	81.51	27.12
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	86.15	27.12
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	92.34	27.12
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	98.54	27.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0039		**4" Projection, Extruded Rubber Dock Bumpers** *(11 13 13 00-0033)*		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	105.79	27.12
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	125.31	27.12
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	130.94	27.12
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	143.75	27.12
11 13 13 00-0044		**6" Projection, Extruded Rubber Dock Bumpers** *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	126.40	27.12
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	152.71	27.12
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	174.39	27.12
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	215.74	27.12
11 13 13 00-0049		**Molded Rubber Dock Bumpers** *(11 13 13)*		
11 13 13 00-0050		**Rectangular Molded Rubber Dock Bumpers** *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	110.95	27.12
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	99.00	27.12
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	126.28	27.12
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	153.80	27.12
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	160.29	27.12
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	123.15	27.12
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	154.89	27.12
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	220.22	27.12
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	132.64	27.12
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	190.68	27.12
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	190.11	27.12
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	281.57	27.12
11 13 13 00-0063		**T And L Shaped Rubber Dock Bumpers** *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	181.17	27.12
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	168.98	27.12
11 13 13 00-0066		**Vertical Dock Bumpers** *(11 13 13)*		
		Note: Made with truck tire material.		
11 13 13 00-0067	EA	11" x 4" x 20", Vertical, Truck Docking Bumpers (U-Line H-2054)	201.78	24.68
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	*98.66*	
11 13 13 00-0068	EA	11" x 6" x 20", Vertical, Truck Docking Bumpers (U-Line H-6629)	257.37	24.68
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	*98.66*	
11 13 13 00-0069		**Horizontal Dock Bumpers** *(11 13 13)*		
		Note: Made with truck tire material.		
11 13 13 00-0070	EA	12" x 4" x 10", Horizontal, Truck Docking Bumpers (U-Line H-1504)	129.63	20.88
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	*98.66*	
11 13 13 00-0071	EA	12" x 6" x 10", Horizontal, Truck Docking Bumpers (U-Line H-5502)	167.29	20.88
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	*98.66*	
11 13 13 00-0072	EA	24" x 4" x 10", Horizontal, Truck Docking Bumpers (U-Line H-1505)	191.02	24.68
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	*98.66*	

11 13 16 Loading Dock Seals and Shelters *(11 13)*

11 13 16 13 Loading Dock Seals *(11 13 16)*

11 13 16 13-0001		**Vinyl Loading Dock Seals** *(11 13 16 13)*		
11 13 16 13-0002		**Standard Vinyl Loading Dock Seals** *(11 13 16 13-0001)*		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	101.99	27.12
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	103.17	27.12
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	104.36	27.12
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	106.73	27.12
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	109.10	27.12
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	111.50	27.12
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	113.90	27.12
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	116.37	27.12
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	118.84	27.12
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	121.21	27.12
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	123.58	27.12
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	128.38	27.12
11 13 16 13-0015		**8" Exposure Wear Pleats, Vinyl Loading Dock Seals** *(11 13 16 13-0001)*		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	116.07	27.12
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.26	27.12
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	118.44	27.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.84	27.12
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	123.25	27.12
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	125.62	27.12
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.99	27.12
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.39	27.12
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.79	27.12
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.16	27.12
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.60	27.12
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	142.34	27.12
11 13 16 13-0028		4" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	123.58	27.12
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.79	27.12
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	126.01	27.12
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.38	27.12
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.75	27.12
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	133.15	27.12
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.56	27.12
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.93	27.12
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	140.29	27.12
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	142.70	27.12
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	145.10	27.12
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	149.97	27.12
11 13 16 13-0041		Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13)*		
11 13 16 13-0042		Standard, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	95.70	27.12
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	97.57	27.12
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	101.69	27.12
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	105.75	27.12
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	109.92	27.12
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	113.98	27.12
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	118.10	27.12
11 13 16 13-0050		8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	109.03	27.12
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	110.95	27.12
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	115.07	27.12
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	119.18	27.12
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	123.25	27.12
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	127.37	27.12
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	131.43	27.12
11 13 16 13-0058		4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	116.25	27.12
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.11	27.12
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	122.29	27.12
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	126.35	27.12
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	130.47	27.12
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	134.53	27.12
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	138.71	27.12
11 13 16 13-0066		Nylon Reinforced Vinyl Dock Air Sealing Systems *(11 13 16 13)*		
11 13 16 13-0067	EA	8' Height x 8' Width x 10" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-10) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,069.86	406.95
11 13 16 13-0068	EA	8' Height x 8' Width x 12" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-12) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,065.70	406.95
11 13 16 13-0069	EA	8' Height x 8' Width x 20" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-20) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,571.01	406.95
11 13 16 13-0070	EA	9' Height x 8' Width x 10" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-10) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,290.28	406.95
11 13 16 13-0071	EA	9' Height x 8' Width x 12" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-12) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,356.82	406.95
11 13 16 13-0072	EA	9' Height x 8' Width x 20" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-20) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,625.07	406.95
11 13 16 23		**Loading Dock Shelters** *(11 13 16)*		
11 13 16 23-0001		Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*		
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	156.42	33.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 23-0003		Rigid Loading Dock Shelters *(11 13 16 23)*		
11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	120.48	32.54
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	124.86	32.54
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	129.72	33.90
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	132.74	33.90
11 13 19		**Stationary Loading Dock Equipment** *(11 13)*		
11 13 19 13		**Loading Dock Levelers** *(11 13 19)*		
11 13 19 13-0001		Hydraulic Dock Levelers *(11 13 19 13)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0002		20,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0003	EA	6' x 6', 20,000 Lb. Hydraulic Dock Leveler	7,749.85	1,096.62
11 13 19 13-0004	EA	6' x 8', 20,000 Lb. Hydraulic Dock Leveler	8,302.77	1,218.46
11 13 19 13-0005	EA	6' x 10', 20,000 Lb. Hydraulic Dock Leveler	10,115.35	1,462.15
11 13 19 13-0006	EA	7' x 6', 20,000 Lb. Hydraulic Dock Leveler	8,245.23	1,218.46
11 13 19 13-0007	EA	7' x 8', 20,000 Lb. Hydraulic Dock Leveler	8,945.73	1,340.31
11 13 19 13-0008	EA	7' x 10', 20,000 Lb. Hydraulic Dock Leveler	10,719.39	1,584.00
11 13 19 13-0009		25,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0010	EA	6' x 6', 25,000 Lb. Hydraulic Dock Leveler	7,896.70	1,096.62
11 13 19 13-0011	EA	6' x 8', 25,000 Lb. Hydraulic Dock Leveler	8,452.56	1,218.46
11 13 19 13-0012	EA	6' x 10', 25,000 Lb. Hydraulic Dock Leveler	10,255.66	1,462.15
11 13 19 13-0013	EA	7' x 6', 25,000 Lb. Hydraulic Dock Leveler	8,386.77	1,218.46
11 13 19 13-0014	EA	7' x 8', 25,000 Lb. Hydraulic Dock Leveler	9,075.54	1,340.31
11 13 19 13-0015	EA	7' x 10', 25,000 Lb. Hydraulic Dock Leveler	10,995.01	1,584.00
11 13 19 13-0016		30,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0017	EA	6' x 6', 30,000 Lb. Hydraulic Dock Leveler	8,290.63	1,279.39
11 13 19 13-0018	EA	6' x 8', 30,000 Lb. Hydraulic Dock Leveler	8,825.79	1,462.15
11 13 19 13-0019	EA	6' x 10', 30,000 Lb. Hydraulic Dock Leveler	10,722.70	1,705.84
11 13 19 13-0020	EA	7' x 6', 30,000 Lb. Hydraulic Dock Leveler	8,825.79	1,462.15
11 13 19 13-0021	EA	7' x 8', 30,000 Lb. Hydraulic Dock Leveler	9,476.20	1,644.92
11 13 19 13-0022	EA	7' x 10', 30,000 Lb. Hydraulic Dock Leveler	11,373.12	1,766.77
11 13 19 13-0023		35,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0024	EA	6' x 6', 35,000 Lb. Hydraulic Dock Leveler	8,576.25	1,340.31
11 13 19 13-0025	EA	6' x 8', 35,000 Lb. Hydraulic Dock Leveler	9,113.21	1,523.08
11 13 19 13-0026	EA	6' x 10', 35,000 Lb. Hydraulic Dock Leveler	10,309.56	1,766.77
11 13 19 13-0027	EA	7' x 6', 35,000 Lb. Hydraulic Dock Leveler	9,113.21	1,523.08
11 13 19 13-0028	EA	7' x 8', 35,000 Lb. Hydraulic Dock Leveler	9,903.16	1,705.84
11 13 19 13-0029	EA	7' x 10', 35,000 Lb. Hydraulic Dock Leveler	11,853.69	1,827.69
11 13 19 13-0030		40,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0031	EA	6' x 6', 40,000 Lb. Hydraulic Dock Leveler	9,034.45	1,340.31
11 13 19 13-0032	EA	6' x 8', 40,000 Lb. Hydraulic Dock Leveler	9,570.54	1,523.08
11 13 19 13-0033	EA	6' x 10', 40,000 Lb. Hydraulic Dock Leveler	11,504.96	1,766.77
11 13 19 13-0034	EA	7' x 6', 40,000 Lb. Hydraulic Dock Leveler	9,570.54	1,523.08
11 13 19 13-0035	EA	7' x 8', 40,000 Lb. Hydraulic Dock Leveler	10,361.57	1,705.84
11 13 19 13-0036	EA	7' x 10', 40,000 Lb. Hydraulic Dock Leveler	12,311.70	1,827.69
11 13 19 13-0037		45,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0038	EA	6' x 6', 45,000 Lb. Hydraulic Dock Leveler	9,451.20	1,401.23
11 13 19 13-0039	EA	6' x 8', 45,000 Lb. Hydraulic Dock Leveler	9,998.52	1,584.00
11 13 19 13-0040	EA	6' x 10', 45,000 Lb. Hydraulic Dock Leveler	11,919.82	1,827.69
11 13 19 13-0041	EA	7' x 6', 45,000 Lb. Hydraulic Dock Leveler	10,000.36	1,584.00
11 13 19 13-0042	EA	7' x 8', 45,000 Lb. Hydraulic Dock Leveler	10,782.97	1,766.77
11 13 19 13-0043	EA	7' x 10', 45,000 Lb. Hydraulic Dock Leveler	12,716.45	1,888.61
11 13 19 13-0044		Manual Dock Levelers *(11 13 19 13)*		
11 13 19 13-0045		20,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0046	EA	6' x 6', 20,000 Lb. Manual Dock Leveler	6,259.63	1,096.62
11 13 19 13-0047	EA	6' x 8', 20,000 Lb. Manual Dock Leveler	6,821.96	1,218.46
11 13 19 13-0048	EA	6' x 10', 20,000 Lb. Manual Dock Leveler	8,625.13	1,462.15
11 13 19 13-0049	EA	7' x 6', 20,000 Lb. Manual Dock Leveler	6,756.35	1,218.46
11 13 19 13-0050	EA	7' x 8', 20,000 Lb. Manual Dock Leveler	7,455.50	1,340.31
11 13 19 13-0051	EA	7' x 10', 20,000 Lb. Manual Dock Leveler	9,381.15	1,462.15
11 13 19 13-0052		40,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0053	EA	6' x 6', 40,000 Lb. Manual Dock Leveler	7,676.03	1,218.46
11 13 19 13-0054	EA	6' x 8', 40,000 Lb. Manual Dock Leveler	8,212.12	1,340.31
11 13 19 13-0055	EA	6' x 10', 40,000 Lb. Manual Dock Leveler	8,992.56	1,584.00
11 13 19 13-0056	EA	7' x 6', 40,000 Lb. Manual Dock Leveler	8,212.12	1,340.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0057	EA	7' x 8', 40,000 Lb. Manual Dock Leveler	9,311.14	1,462.15
11 13 19 13-0058	EA	7' x 10', 40,000 Lb. Manual Dock Leveler	10,953.29	1,705.84
11 13 19 13-0059		Edge Of Dock Levelers *(11 13 19 13)*		
		Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		Hydraulic Edge Of Dock Levelers *(11 13 19 13-0059)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2066)	4,381.28	365.54
11 13 19 13-0062	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2072)	4,695.97	365.54
11 13 19 13-0063	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,650.43	365.54
11 13 19 13-0064	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	5,082.45	365.54
11 13 19 13-0065	EA	66" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	5,524.16	365.54
11 13 19 13-0066	EA	72" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	5,832.59	365.54
11 13 19 13-0067		Manual Edge Of Dock Levelers *(11 13 19 13-0059)*		
11 13 19 13-0068	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,376.63	365.54
11 13 19 13-0069	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,566.21	365.54
11 13 19 13-0070	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,624.18	365.54
11 13 19 13-0071	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,766.36	365.54
11 13 19 13-0072	EA	66" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	3,056.69	365.54
11 13 19 13-0073	EA	72" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72)	3,463.75	365.54
11 13 19 13-0074	EA	78" Usable Width, 25,000 Lb. Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78)	3,763.22	365.54
11 13 19 13-0075	EA	72" Usable Width, 30,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72)	3,806.25	365.54
11 13 19 13-0076	EA	66" Usable Width, 20,000 Lb. Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	3,397.40	365.54
11 13 19 13-0077	EA	78" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R)	4,640.10	365.54
11 13 19 13-0078	EA	72" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R)	4,372.91	365.54
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 Lb. Top Of Ground, Fixed Platform Lift	18,103.41	272.93
11 13 19 23-0003		Pit Mounted, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 Lb. Fixed Platform Lift, Pit Mounted	11,593.65	272.93
11 13 19 23-0005	EA	6' x 8', 8,000 Lb. Fixed Platform Lift, Pit Mounted	20,710.83	409.40
11 13 19 23-0006	EA	7' x 12', 15,000 Lb. Fixed Platform Lift, Pit Mounted	36,244.42	818.79
11 13 19 23-0007	EA	8' x 20', 15,000 Lb. Fixed Platform Lift, Pit Mounted	38,064.27	1,091.72
11 13 19 23-0008		Electric Powered Truck Scissor Dock Lift *(11 13 19 23)*		
11 13 19 23-0009	EA	5,000 Lb., 96" Length x 72" Width, Hydraulic, Truck Scissor Dock Lift (Global Industrial WL-100-5-68)	14,728.26	739.08
11 13 19 23-0010	EA	6,000 Lb., 96" Length x 96" Width, Hydraulic, Truck Scissor Dock Lift (Global Industrial WL-100-6-88)	17,920.19	739.08
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		Hydraulic Truck Lifts *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 Lb. Platform Truck Lift	33,609.98	1,848.00
11 13 19 26-0003	EA	10' x 20', 60,000 Lb. Platform Truck Lift	38,456.42	2,217.60
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		Truck Restraint System *(11 13 19 33)*		
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL-60) Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 Lb. restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.	11,204.17	456.92
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, minimum 32,000 Lb. restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	11,703.58	456.92
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 Lb. holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	8,257.65	456.92
11 13 23		**Portable Dock Equipment** *(11 13)*		
11 13 23 23		**Portable Dock Platforms** *(11 13 23)*		
11 13 23 23-0001	EA	6' x 6', 5,000 Lb. Capacity Portable Platform Lift	12,983.73	115.48
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	409.35	97.39
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	511.07	97.39
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	222.86	77.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	434.08	129.86
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	474.99	129.86
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	425.67	129.86
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	550.09	129.86
11 13 26 00-0012		Metal Halide Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	645.46	129.86
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	703.91	129.86
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	750.65	129.86
11 13 26 00-0016		Quartz Halogen Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	419.10	129.86
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	456.08	129.86
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	487.65	129.86
11 14		**Pedestrian Control Equipment** *(11 10)*		
11 14 13		**Pedestrian Gates** *(11 14)*		
11 14 13 16		**Rotary Gates** *(11 14 13)*		
11 14 13 16-0001		Access Control Indoor Or Outdoor Impenetrability *(11 14 13 16)*		
11 14 13 16-0002		Mechanical *(11 14 13 16-0001)*		
11 14 13 16-0003		Galvanized Steel *(11 14 13 16-0002)*		
11 14 13 16-0004	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	13,387.25	1,814.71
11 14 13 16-0005	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	15,073.48	1,814.71
11 14 13 16-0006	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	29,865.71	2,707.47
11 14 13 16-0007	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel	28,935.80	2,707.47
11 14 13 16-0008		Powder Coated Steel *(11 14 13 16-0002)*		
11 14 13 16-0009	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	15,095.18	1,814.71
11 14 13 16-0010	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	16,716.32	1,814.71
11 14 13 16-0011	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	35,169.30	2,707.47
11 14 13 16-0012	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	31,737.93	2,707.47
11 14 13 16-0013		Anodized Aluminum *(11 14 13 16-0002)*		
11 14 13 16-0014	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,836.01	1,814.71
11 14 13 16-0015	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	27,184.01	1,814.71
11 14 13 16-0016	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	31,601.55	2,707.47
11 14 13 16-0017	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	52,977.08	2,707.47
11 14 13 16-0018		Stainless Steel *(11 14 13 16-0002)*		
11 14 13 16-0019	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	24,809.64	1,814.71
11 14 13 16-0020	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	27,803.95	1,814.71
11 14 13 16-0021	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	39,784.75	2,707.47
11 14 13 16-0022	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	49,517.81	2,707.47
11 14 13 16-0023		Transparent *(11 14 13 16-0002)*		
11 14 13 16-0024	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	48,881.91	1,814.99
11 14 13 16-0025		Mechanical Options *(11 14 13 16-0001)*		
11 14 13 16-0026	EA	Out-of-Use Lock Option, Add	263.47	
11 14 13 16-0027	EA	Heel Protector (Each Heel Protector), Add	185.98	
11 14 13 16-0028		Electrical, One-Way *(11 14 13 16-0001)*		
11 14 13 16-0029		Galvanized Steel *(11 14 13 16-0028)*		
11 14 13 16-0030	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	14,134.27	1,814.71
11 14 13 16-0031	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,823.61	1,814.71
11 14 13 16-0032	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	32,655.44	2,707.47
11 14 13 16-0033	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	30,141.59	2,707.47
11 14 13 16-0034	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	32,655.44	2,707.47
11 14 13 16-0035		Powder Coated Steel *(11 14 13 16-0028)*		
11 14 13 16-0036	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	15,839.11	1,814.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	17,726.83	1,814.71
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	43,532.29	2,707.47
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	32,959.21	2,707.47
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	35,479.27	2,707.47
11 14 13 16-0041		**Anodized Aluminum** *(11 14 13 16-0028)*		
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,149.08	1,814.71
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,109.99	1,814.71
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	28,113.92	1,814.71
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	33,309.48	2,707.47
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	36,995.02	2,707.47
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	54,585.82	2,707.47
11 14 13 16-0048		**Stainless Steel** *(11 14 13 16-0028)*		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	26,374.99	1,814.71
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	28,203.81	1,814.71
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	45,599.79	2,707.47
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	51,907.68	2,707.47
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	57,174.07	2,707.47
11 14 13 16-0054		**Transparent** *(11 14 13 16-0028)*		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	44,613.62	1,814.99
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	47,204.97	1,814.99
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	48,336.36	1,814.99
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	79,460.91	2,707.47
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	84,451.43	2,707.47
11 14 13 16-0060		**Electrical, Two-Way** *(11 14 13 16-0001)*		
11 14 13 16-0061		**Galvanized Steel** *(11 14 13 16-0060)*		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,212.97	1,814.71
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	16,951.90	1,814.71
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	38,582.07	2,707.47
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	32,066.50	2,707.47
11 14 13 16-0066		**Powder Coated Steel** *(11 14 13 16-0060)*		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	16,784.52	1,814.71
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	18,780.72	1,814.71
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	44,468.40	2,707.47
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	34,899.63	2,707.47
11 14 13 16-0071		**Anodized Aluminum** *(11 14 13 16-0060)*		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,212.28	1,814.71
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	18,129.79	1,814.71
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	29,350.70	1,814.71
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	35,476.17	2,707.47
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	56,597.53	2,707.47
11 14 13 16-0077		**Stainless Steel** *(11 14 13 16-0060)*		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	27,422.69	1,814.71
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	29,282.51	1,814.71
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	46,368.52	2,707.47
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	53,457.53	2,707.47
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	59,312.86	2,707.47
11 14 13 16-0083		**Transparent** *(11 14 13 16-0060)*		
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	45,512.54	1,814.99
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	47,948.90	1,814.99
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	49,346.87	1,814.99
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	81,351.73	2,707.47
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	86,001.28	2,707.47
11 14 13 16-0089		**Electrical Options** *(11 14 13 16-0001)*		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	1,032.20	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	725.33	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction	238.68	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	238.68	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction	189.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add	185.98	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader	170.48	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add	4,330.28	
11 14 13 16-0098		Relocate Rotary Gate *(11 14 13 16-0001)*		
11 14 13 16-0099	EA	Relocate Rotary Gate	5,330.67	

11 14 13 19 Turnstiles *(11 14 13)*

11 14 13 19-0001		Turnstiles *(11 14 13 19)*		
11 14 13 19-0002	EA	24" Diameter Manual Turnstile, Three Arm, Two Way	2,926.18	511.74
11 14 13 19-0003	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	3,798.98	511.74

11 14 16 Pedestrian Control Devices *(11 14)*

11 14 16 00-0001		Retractable Barrier *(11 14 16)*		
11 14 16 00-0002	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK)	99.37	20.79
11 14 16 00-0003	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	181.55	20.79
11 14 16 00-0004	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	222.63	20.79
11 14 16 00-0005	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	366.44	20.79

11 20 Commercial Equipment *(11)*

11 21 Retail and Service Equipment *(11 20)*

11 21 63 Refrigerated Display Equipment *(11 21)*

11 21 63 00-0001		Dairy Products *(11 21 63)*		
11 21 63 00-0002		Refrigerated Dairy Case *(11 21 63 00-0001)*		
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck	2,072.01	389.30
		For Rear Sliding Doors, Add	*19.95*	
11 21 63 00-0004		Refrigerated Milk Unit *(11 21 63 00-0001)*		
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	9,974.62	282.73
11 21 63 00-0006		Refrigerated Ice Cream And Milk Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	11,059.10	310.49
11 21 63 00-0008		Ice Cream Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	9,236.80	261.43
11 21 63 00-0010		Drop-In Ice Cream Freezer *(11 21 63 00-0001)*		
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,303.47	65.06
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	3,010.09	85.08
11 21 63 00-0013		Ice Cream Cabinets *(11 21 63 00-0001)*		
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	7,214.60	203.33
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	10,277.45	293.45
11 21 63 00-0016		Delicatessen Case, Service Deli *(11 21 63)*		
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	2,056.18	324.42
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	2,300.71	389.30
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	2,673.95	95.60
11 21 63 00-0020		Meat Case *(11 21 63)*		
11 21 63 00-0021	LF	Meat Case, Single - Deck	1,519.89	389.30
11 21 63 00-0022	LF	Meat Case, Multi - Deck	1,646.70	389.30
11 21 63 00-0023		Produce Case *(11 21 63)*		
11 21 63 00-0024	LF	Single Deck Produce Case	1,583.31	389.30
11 21 63 00-0025	LF	Multi-Deck Produce Case	1,747.88	389.30
11 21 63 00-0026		Bottle Coolers *(11 21 63)*		
11 21 63 00-0027	EA	Bottle Cooler, 6' Long	5,882.05	1,297.66
11 21 63 00-0028	EA	Bottle Cooler, 10' Long	8,878.26	1,946.48
11 21 63 00-0029		Cold Pan Units *(11 21 63)*		
11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	3,692.44	103.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	5,130.05	144.85
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	6,065.63	171.32
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	6,235.65	177.00
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	6,786.84	191.07
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	8,064.19	225.80
11 21 63 00-0036		Cold Cabinets (Insulated) *(11 21 63)*		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	3,352.76	89.60

11 28 Office Equipment *(11 20)*

11 28 13 Computers *(11 28)*

11 28 13 00-0001		Accessories *(11 28 13)*		
11 28 13 00-0002	EA	32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020)	1,202.55	64.82
11 28 13 00-0003	EA	32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020)	1,477.09	71.31
11 28 13 00-0004	EA	32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020)	1,925.29	77.79
11 28 13 00-0005	EA	32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020)	2,082.05	84.27
11 28 13 00-0006	EA	32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020)	1,536.26	71.31
11 28 13 00-0007	EA	32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020)	1,603.18	71.31
11 28 13 00-0008	EA	32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020)	2,271.97	90.76
11 28 13 00-0009	EA	32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020)	2,415.76	90.76
11 28 13 00-0010	EA	25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026)	1,276.66	71.31
11 28 13 00-0011	EA	37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2)	356.30	71.31
11 28 13 00-0012	EA	32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P)	256.31	71.31

11 30 Residential Equipment *(11)*

11 32 Unit Kitchens *(11 30)*

11 32 13 Metal Unit Kitchens *(11 32)*

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001		30" Compact Kitchen *(11 32 13)*		
11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,829.79	648.59
		For Gas Unit, Add	*294.75*	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	2,389.70	454.01
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	2,181.99	389.16
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	718.74	406.81
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,424.90	271.20
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	85.55	18.47
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	76.91	18.47
11 32 13 00-0009		42" Compact Kitchen *(11 32 13)*		
11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	3,288.07	713.46
		For Gas Unit, Add	*350.52*	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	2,955.86	583.73
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	902.95	230.52
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,649.96	305.10
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	102.88	18.47
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	85.87	18.47
11 32 13 00-0016		54" Compact Kitchen *(11 32 13)*		
11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,441.45	908.04
		For Gas Unit, Add	*484.61*	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	1,114.27	135.60
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,834.73	339.01
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	119.75	18.47
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	89.37	18.47
11 32 13 00-0022		60" Compact Kitchen *(11 32 13)*		
11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,675.15	972.89
		For Gas Unit, Add	*506.69*	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,327.85	339.01
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	127.04	18.47
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	89.37	18.47
11 32 13 00-0027		72" Compact Kitchen *(11 32 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	5,012.81	1,037.75
		For Gas Unit, Add	*544.37*	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,619.41	406.81
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	148.25	23.10
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	93.57	23.10

11 40 Foodservice Equipment *(11)*

11 41 Foodservice Storage Equipment *(11 40)*

11 41 13 Refrigerated Food Storage Cases *(11 41)*

11 41 13 00-0001 Frozen Food Cases *(11 41 13)*

11 41 13 00-0002	LF	Chest Type Frozen Food Case	1,572.10	389.30
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door)	3,007.57	389.30
11 41 13 00-0004	LF	Island Type Frozen Food Case	1,823.64	389.30
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	2,885.84	389.30

11 41 13 00-0006 Reach-In Refrigeration *(11 41 13)*

11 41 13 00-0007 Reach-In Refrigerators *(11 41 13 00-0006)*

11 41 13 00-0008	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	7,127.35	183.00
11 41 13 00-0009	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	8,776.14	230.81
11 41 13 00-0010	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	11,755.50	254.99
11 41 13 00-0011	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	6,129.12	183.00
11 41 13 00-0012	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	7,975.77	230.81
11 41 13 00-0013	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	10,620.41	254.99
11 41 13 00-0014	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	8,582.44	183.00
11 41 13 00-0015	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	11,619.05	230.81
11 41 13 00-0016	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	8,336.28	183.00
11 41 13 00-0017	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	12,019.65	230.81
11 41 13 00-0018	EA	One Section, 12.6 CF, Self-Closing, Double Pane Tempered Glass Door, Merchandiser Refrigerator (Summit SCR1400WLH)	1,585.32	52.75
11 41 13 00-0019	EA	One Section, 20.6 CF, Stainless Steel, Glass Door, Upright Refrigerator (Avantco SS-1R-G-HC 29)	2,283.07	52.75

11 41 13 00-0020 Reach-In Freezers *(11 41 13 00-0006)*

11 41 13 00-0021	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	8,029.55	183.22
11 41 13 00-0022	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	10,654.27	230.48

11 41 23 Walk-In-Coolers *(11 41)*

11 41 23 00-0001 Walk-In Refrigerated Boxes *(11 41 23)*

Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,801.35	1,637.59
		For Refrigerated Boxes Without Floor, Deduct	*-4,404.38*	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,748.03	1,842.28
		For Refrigerated Boxes Without Floor, Deduct	*-5,322.92*	
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,077.96	2,046.97
		For Refrigerated Boxes Without Floor, Deduct	*-5,587.16*	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,255.05	2,456.37
		For Refrigerated Boxes Without Floor, Deduct	*-6,245.41*	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,569.70	2,865.77
		For Refrigerated Boxes Without Floor, Deduct	*-7,187.68*	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,922.24	3,275.16
		For Refrigerated Boxes Without Floor, Deduct	*-7,888.65*	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,211.06	3,684.56
		For Refrigerated Boxes Without Floor, Deduct	*-8,574.58*	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,157.10	2,046.97
		For Refrigerated Boxes Without Floor, Deduct	*-5,856.95*	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,619.15	2,251.68
		For Refrigerated Boxes Without Floor, Deduct	*-6,404.43*	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,154.81	2,661.07
		For Refrigerated Boxes Without Floor, Deduct	*-7,151.29*	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,917.55	3,070.47
		For Refrigerated Boxes Without Floor, Deduct	*-8,205.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,518.80	3,479.86
		For Refrigerated Boxes Without Floor, Deduct	*-8,970.16*	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,244.53	3,889.25
		For Refrigerated Boxes Without Floor, Deduct	*-9,764.48*	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,843.44	4,298.65
		For Refrigerated Boxes Without Floor, Deduct	*-10,528.74*	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,555.50	4,708.05
		For Refrigerated Boxes Without Floor, Deduct	*-11,319.11*	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	55,172.54	5,117.44
		For Refrigerated Boxes Without Floor, Deduct	*-12,087.32*	

11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,514.65	2,456.37
		For Refrigerated Boxes Without Floor, Deduct	*-7,310.31*	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,408.40	2,865.77
		For Refrigerated Boxes Without Floor, Deduct	*-8,147.35*	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,485.64	3,275.16
		For Refrigerated Boxes Without Floor, Deduct	*-9,029.50*	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,318.79	3,684.56
		For Refrigerated Boxes Without Floor, Deduct	*-9,851.51*	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,464.31	4,093.96
		For Refrigerated Boxes Without Floor, Deduct	*-10,752.64*	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,291.53	4,503.35
		For Refrigerated Boxes Without Floor, Deduct	*-11,570.70*	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,453.13	4,912.75
		For Refrigerated Boxes Without Floor, Deduct	*-12,476.57*	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,266.50	5,322.13
		For Refrigerated Boxes Without Floor, Deduct	*-13,293.84*	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,417.85	5,731.53
		For Refrigerated Boxes Without Floor, Deduct	*-14,194.97*	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,255.85	6,140.93
		For Refrigerated Boxes Without Floor, Deduct	*-15,016.99*	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,679.91	6,755.03
		For Refrigerated Boxes Without Floor, Deduct	*-15,918.91*	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,754.48	7,369.12
		For Refrigerated Boxes Without Floor, Deduct	*-16,736.17*	
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,287.89	3,070.47
		For Refrigerated Boxes Without Floor, Deduct	*-9,048.48*	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,838.53	3,479.86
		For Refrigerated Boxes Without Floor, Deduct	*-10,050.09*	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,991.48	3,889.25
		For Refrigerated Boxes Without Floor, Deduct	*-10,951.22*	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,520.80	4,298.65
		For Refrigerated Boxes Without Floor, Deduct	*-11,948.08*	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,694.89	4,708.05
		For Refrigerated Boxes Without Floor, Deduct	*-12,853.96*	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	62,223.35	5,117.44
		For Refrigerated Boxes Without Floor, Deduct	*-13,850.03*	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,367.85	5,526.84
		For Refrigerated Boxes Without Floor, Deduct	*-14,751.16*	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,924.62	5,936.23
		For Refrigerated Boxes Without Floor, Deduct	*-15,752.76*	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,216.31	6,447.98
		For Refrigerated Boxes Without Floor, Deduct	*-16,653.89*	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,021.61	7,062.07
		For Refrigerated Boxes Without Floor, Deduct	*-17,650.75*	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,461.39	7,676.17
		For Refrigerated Boxes Without Floor, Deduct	*-18,556.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	89,255.63	8,290.26
		For Refrigerated Boxes Without Floor, Deduct	*-19,552.70*	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,670.39	8,904.35
		For Refrigerated Boxes Without Floor, Deduct	*-20,453.83*	

11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,407.62	3,684.56
		For Refrigerated Boxes Without Floor, Deduct	*-12,123.72*	
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	58,521.52	4,093.96
		For Refrigerated Boxes Without Floor, Deduct	*-13,266.94*	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,076.63	4,503.35
		For Refrigerated Boxes Without Floor, Deduct	*-14,516.97*	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	69,190.79	4,912.75
		For Refrigerated Boxes Without Floor, Deduct	*-15,660.99*	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,716.23	5,322.13
		For Refrigerated Boxes Without Floor, Deduct	*-16,906.27*	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,858.11	5,731.53
		For Refrigerated Boxes Without Floor, Deduct	*-18,055.04*	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	85,389.18	6,140.93
		For Refrigerated Boxes Without Floor, Deduct	*-19,300.32*	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,781.62	6,755.03
		For Refrigerated Boxes Without Floor, Deduct	*-20,444.33*	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,587.25	7,369.12
		For Refrigerated Boxes Without Floor, Deduct	*-21,694.37*	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	102,011.69	7,983.21
		For Refrigerated Boxes Without Floor, Deduct	*-22,837.59*	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	107,791.61	8,597.30
		For Refrigerated Boxes Without Floor, Deduct	*-24,083.66*	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	113,208.40	9,109.05
		For Refrigerated Boxes Without Floor, Deduct	*-25,231.64*	

11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,157.14	4,298.65
		For Refrigerated Boxes Without Floor, Deduct	*-14,607.17*	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,116.09	4,708.05
		For Refrigerated Boxes Without Floor, Deduct	*-15,959.26*	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,872.42	5,117.44
		For Refrigerated Boxes Without Floor, Deduct	*-17,262.29*	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,839.75	5,526.84
		For Refrigerated Boxes Without Floor, Deduct	*-18,619.13*	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,602.24	5,936.23
		For Refrigerated Boxes Without Floor, Deduct	*-19,922.17*	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,697.78	6,447.98
		For Refrigerated Boxes Without Floor, Deduct	*-21,274.26*	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,746.78	7,062.07
		For Refrigerated Boxes Without Floor, Deduct	*-22,582.05*	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	105,971.42	7,676.17
		For Refrigerated Boxes Without Floor, Deduct	*-23,934.14*	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	111,993.53	8,290.26
		For Refrigerated Boxes Without Floor, Deduct	*-25,237.17*	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	118,231.12	8,904.35
		For Refrigerated Boxes Without Floor, Deduct	*-26,594.01*	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,184.61	4,912.75
		For Refrigerated Boxes Without Floor, Deduct	*-17,159.44*	
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,311.32	5,322.13
		For Refrigerated Boxes Without Floor, Deduct	*-18,555.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,779.19	5,731.53
		For Refrigerated Boxes Without Floor, Deduct	*-20,035.31*	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,895.72	6,140.93
		For Refrigerated Boxes Without Floor, Deduct	*-21,426.95*	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,648.95	6,755.03
		For Refrigerated Boxes Without Floor, Deduct	*-22,911.17*	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	107,021.05	7,369.12
		For Refrigerated Boxes Without Floor, Deduct	*-24,302.82*	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	113,793.63	7,983.21
		For Refrigerated Boxes Without Floor, Deduct	*-25,783.07*	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	120,171.67	8,597.30
		For Refrigerated Boxes Without Floor, Deduct	*-27,178.68*	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	126,917.60	9,211.40
		For Refrigerated Boxes Without Floor, Deduct	*-28,658.94*	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	133,552.18	9,961.96
		For Refrigerated Boxes Without Floor, Deduct	*-30,050.58*	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,946.95	1,637.59
		For Refrigerated Boxes Without Floor, Deduct	*-4,690.78*	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,191.08	1,842.28
		For Refrigerated Boxes Without Floor, Deduct	*-5,433.68*	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,533.69	2,046.97
		For Refrigerated Boxes Without Floor, Deduct	*-5,951.10*	
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,925.98	2,456.37
		For Refrigerated Boxes Without Floor, Deduct	*-6,663.14*	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,335.57	2,865.77
		For Refrigerated Boxes Without Floor, Deduct	*-7,629.15*	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,903.30	3,275.16
		For Refrigerated Boxes Without Floor, Deduct	*-8,383.91*	
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,287.06	3,684.56
		For Refrigerated Boxes Without Floor, Deduct	*-9,093.58*	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,733.09	2,046.97
		For Refrigerated Boxes Without Floor, Deduct	*-6,250.95*	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,290.08	2,251.68
		For Refrigerated Boxes Without Floor, Deduct	*-6,822.16*	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,040.93	2,661.07
		For Refrigerated Boxes Without Floor, Deduct	*-7,622.82*	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,898.62	3,070.47
		For Refrigerated Boxes Without Floor, Deduct	*-8,701.17*	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,715.06	3,479.86
		For Refrigerated Boxes Without Floor, Deduct	*-9,519.22*	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,535.72	3,889.25
		For Refrigerated Boxes Without Floor, Deduct	*-10,337.28*	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,349.83	4,298.65
		For Refrigerated Boxes Without Floor, Deduct	*-11,155.34*	
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,156.83	4,708.05
		For Refrigerated Boxes Without Floor, Deduct	*-11,969.44*	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,989.07	5,117.44
		For Refrigerated Boxes Without Floor, Deduct	*-12,791.46*	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,280.51	2,456.37
		For Refrigerated Boxes Without Floor, Deduct	*-7,751.77*	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,389.46	2,865.77
		For Refrigerated Boxes Without Floor, Deduct	*-8,642.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,561.64	3,275.16
		For Refrigerated Boxes Without Floor, Deduct	*-9,548.50*	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,609.98	3,684.56
		For Refrigerated Boxes Without Floor, Deduct	*-10,424.31*	
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,850.45	4,093.96
		For Refrigerated Boxes Without Floor, Deduct	*-11,349.17*	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,892.86	4,503.35
		For Refrigerated Boxes Without Floor, Deduct	*-12,221.03*	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,149.40	4,912.75
		For Refrigerated Boxes Without Floor, Deduct	*-13,150.64*	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	63,177.97	5,322.13
		For Refrigerated Boxes Without Floor, Deduct	*-14,021.71*	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	67,424.25	5,731.53
		For Refrigerated Boxes Without Floor, Deduct	*-14,946.57*	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,477.45	6,140.93
		For Refrigerated Boxes Without Floor, Deduct	*-15,822.39*	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,996.45	6,755.03
		For Refrigerated Boxes Without Floor, Deduct	*-16,748.04*	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,286.21	7,266.77
		For Refrigerated Boxes Without Floor, Deduct	*-17,619.11*	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,484.15	3,070.47
		For Refrigerated Boxes Without Floor, Deduct	*-9,597.55*	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,129.72	3,479.86
		For Refrigerated Boxes Without Floor, Deduct	*-10,622.89*	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,497.87	3,889.25
		For Refrigerated Boxes Without Floor, Deduct	*-11,577.82*	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,122.13	4,298.65
		For Refrigerated Boxes Without Floor, Deduct	*-12,598.41*	
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,511.42	4,708.05
		For Refrigerated Boxes Without Floor, Deduct	*-13,558.09*	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	65,134.81	5,117.44
		For Refrigerated Boxes Without Floor, Deduct	*-14,577.89*	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	69,494.51	5,526.84
		For Refrigerated Boxes Without Floor, Deduct	*-15,532.82*	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,146.22	5,936.23
		For Refrigerated Boxes Without Floor, Deduct	*-16,558.16*	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,653.10	6,447.98
		For Refrigerated Boxes Without Floor, Deduct	*-17,513.09*	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,553.34	7,062.07
		For Refrigerated Boxes Without Floor, Deduct	*-18,533.69*	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,208.32	7,676.17
		For Refrigerated Boxes Without Floor, Deduct	*-19,493.36*	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,097.50	8,290.26
		For Refrigerated Boxes Without Floor, Deduct	*-20,513.17*	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,727.45	8,904.35
		For Refrigerated Boxes Without Floor, Deduct	*-21,468.09*	

11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	55,793.75	3,684.56
		For Refrigerated Boxes Without Floor, Deduct	*-12,720.25*	
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	61,122.85	4,093.96
		For Refrigerated Boxes Without Floor, Deduct	*-13,917.27*	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,772.90	4,503.35
		For Refrigerated Boxes Without Floor, Deduct	*-15,191.04*	
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,102.25	4,912.75
		For Refrigerated Boxes Without Floor, Deduct	*-16,388.85*	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,722.63	5,322.13
		For Refrigerated Boxes Without Floor, Deduct	*-17,657.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,079.70	5,731.53
		For Refrigerated Boxes Without Floor, Deduct	*-18,860.43*	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,705.72	6,140.93
		For Refrigerated Boxes Without Floor, Deduct	*-20,129.45*	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	94,313.36	6,755.03
		For Refrigerated Boxes Without Floor, Deduct	*-21,327.27*	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,213.92	7,369.12
		For Refrigerated Boxes Without Floor, Deduct	*-22,601.03*	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	105,853.56	7,983.21
		For Refrigerated Boxes Without Floor, Deduct	*-23,798.06*	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	111,728.42	8,597.30
		For Refrigerated Boxes Without Floor, Deduct	*-25,067.87*	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	117,360.40	9,211.40
		For Refrigerated Boxes Without Floor, Deduct	*-26,269.64*	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,973.66	4,298.65
		For Refrigerated Boxes Without Floor, Deduct	*-15,311.30*	
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	73,027.55	4,708.05
		For Refrigerated Boxes Without Floor, Deduct	*-16,687.12*	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,999.08	5,117.44
		For Refrigerated Boxes Without Floor, Deduct	*-18,043.96*	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	85,061.35	5,526.84
		For Refrigerated Boxes Without Floor, Deduct	*-19,424.53*	
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	91,039.04	5,936.23
		For Refrigerated Boxes Without Floor, Deduct	*-20,781.37*	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,229.51	6,447.98
		For Refrigerated Boxes Without Floor, Deduct	*-22,157.19*	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	103,493.70	7,062.07
		For Refrigerated Boxes Without Floor, Deduct	*-23,518.78*	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	109,813.28	7,676.17
		For Refrigerated Boxes Without Floor, Deduct	*-24,894.60*	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	116,050.59	8,290.26
		For Refrigerated Boxes Without Floor, Deduct	*-26,251.44*	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	122,383.12	8,904.35
		For Refrigerated Boxes Without Floor, Deduct	*-27,632.01*	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,191.01	4,912.75
		For Refrigerated Boxes Without Floor, Deduct	*-17,911.04*	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,532.92	5,322.13
		For Refrigerated Boxes Without Floor, Deduct	*-19,360.45*	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	91,095.72	5,731.53
		For Refrigerated Boxes Without Floor, Deduct	*-20,864.44*	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,427.45	6,140.93
		For Refrigerated Boxes Without Floor, Deduct	*-22,309.89*	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	104,275.63	6,755.03
		For Refrigerated Boxes Without Floor, Deduct	*-23,817.84*	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	110,862.91	7,369.12
		For Refrigerated Boxes Without Floor, Deduct	*-25,263.28*	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	117,730.44	7,983.21
		For Refrigerated Boxes Without Floor, Deduct	*-26,767.28*	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	124,323.67	8,597.30
		For Refrigerated Boxes Without Floor, Deduct	*-28,216.68*	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	131,164.54	9,211.40
		For Refrigerated Boxes Without Floor, Deduct	*-29,720.67*	
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	138,014.32	9,961.96
		For Refrigerated Boxes Without Floor, Deduct	*-31,166.12*	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons *(11 41 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	1.34	
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	2.49	
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	3.50	
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	24.68	
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	32.28	
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	3.98	
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	9.79	
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	12.66	
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	13.29	
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-17.87	
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	7.45	
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	19.32	
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	16.94	
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	54.91	

11 41 23 00-0171 Air-Cooled Condensing Units For Walk-In Coolers And Freezers *(11 41 23)*

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,658.20	179.16
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,967.10	209.03
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,876.39	238.88
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,411.83	268.75
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,163.98	298.60
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,165.50	358.32
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,482.29	418.04
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,377.56	477.76

11 41 23 00-0182 208/230 Volt, 3 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,886.30	238.88
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,411.83	268.75
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,253.19	298.60
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,059.31	358.32
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,482.29	418.04
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,254.37	477.76

11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0190 208/230 Volt, 1 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,859.65	179.16
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,350.16	209.03
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,169.97	238.88
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,428.32	268.75
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,899.93	298.60
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,858.64	358.32
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,506.24	418.04
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,240.57	477.76

11 41 23 00-0199 208/230 Volt, 3 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,128.68	238.88
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,445.06	268.75
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,986.99	298.60
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,776.05	358.32
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,531.91	418.04
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,137.88	477.76

11 41 23 00-0206 Low Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0207 208/230 Volt, 1 Phase *(11 41 23 00-0206)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,438.39	179.16
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,666.57	209.03
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,975.51	238.88
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,442.98	268.75
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,094.60	298.60
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,554.89	358.32

11 41 23 00-0214 208/230 Volt, 3 Phase *(11 41 23 00-0206)*

Note: Pre-Assembled indoor R404a.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,985.42	238.88
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,442.98	268.75
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,186.64	298.60
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,452.94	358.32
11 41 23 00-0219		Low Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220		208/230 Volt, 1 Phase *(11 41 23 00-0219)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,724.64	179.16
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,810.01	209.03
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,124.21	238.88
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,638.15	268.75
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,242.58	298.60
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,152.18	358.32
11 41 23 00-0227		208/230 Volt, 3 Phase *(11 41 23 00-0219)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,326.23	238.88
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,737.49	268.75
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,322.94	298.60
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,070.70	358.32
11 41 23 00-0232		Medium Temperature Semi-Hermetic System, Indoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233		208/230 Volt, 1 Phase *(11 41 23 00-0232)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,305.42	238.88
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,758.83	477.76
11 41 23 00-0236		208/230 Volt, 3 Phase *(11 41 23 00-0232)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,311.09	238.88
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,129.31	298.60
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,652.96	358.32
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,528.03	477.76
11 41 23 00-0241		Medium Temperature Semi-Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242		208/230 Volt, 1 Phase *(11 41 23 00-0241)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,422.22	238.88
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	15,842.33	477.76
11 41 23 00-0245		208/230 Volt, 3 Phase *(11 41 23 00-0241)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,433.38	238.88
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,595.27	298.60
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,929.09	358.32
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	14,314.36	477.76
11 41 23 00-0250		Low Temperature Semi-Hermetic System, Indoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		208/230 Volt, 1 Phase *(11 41 23 00-0250)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,489.23	209.03
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,993.57	238.88
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,385.65	268.75
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,879.76	298.60
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,764.48	358.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0257		**208/230 Volt, 3 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,449.59	209.03
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,987.91	238.88
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,331.84	268.75
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,786.30	298.60
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,267.48	358.32
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	18,590.65	418.04
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	19,561.39	537.48
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	28,267.40	627.07
11 41 23 00-0266		**Low Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		**208/230 Volt, 1 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,597.99	209.03
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,917.77	238.88
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,048.93	268.75
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,247.13	298.60
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,583.13	358.32
11 41 23 00-0273		**208/230 Volt, 3 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,499.77	209.03
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,922.24	238.88
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,032.19	268.75
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,164.54	298.60
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,229.32	358.32
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,366.99	418.04
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	17,280.94	537.48
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	24,310.91	627.07
11 41 23 00-0282		**Walk-In Refrigerated Boxes Accessories** *(11 41 23)* See CSI section 08 71 00 00-0000 for additional door accessories.		
11 41 23 00-0283		**Accessories** *(11 41 23 00-0282)*		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	1,503.28	
11 41 23 00-0285	EA	Super Door Package, For 48" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	2,101.40	
11 41 23 00-0286	EA	Super Door Package, For 60" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	2,101.40	
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated	2,483.23	
11 41 23 00-0288	EA	Heated Air Vent, Kason	821.79	
11 41 23 00-0289	EA	Heated Air Vent, Bally Polyvinyl Chloride (PVC)	2,103.47	
11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors	3,142.87	
11 41 23 00-0291	EA	Interior Ramps For 48" Wide Doors	3,443.51	
11 41 23 00-0292	EA	Interior Ramps For 60" Wide Doors	3,791.62	
11 41 23 00-0293	EA	Exterior Ramps For 36" Or 42" Wide Doors	1,225.10	
11 41 23 00-0294	EA	Exterior Ramps For 48" Wide Doors	2,313.74	
11 41 23 00-0295	EA	Exterior Ramps For 60" Wide Doors	2,313.74	
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights	238.43	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes	1,368.20	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	3,108.75	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	3,270.15	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	1,526.44	
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar	833.38	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar	959.97	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar	959.97	
11 41 23 00-0304	EA	Locking Devices, Mortise Dead Bolt (Cooler)	1,757.45	
11 41 23 00-0305	EA	Locking Devices, Mortise Dead Bolt (Freezer)	2,175.19	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors	3,535.29	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors	3,737.82	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors	3,845.42	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door	174.05	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door	142.41	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door	439.88	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door	237.35	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door	540.45	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door	388.55	
11 41 23 00-0315	EA	4" Screed Door	954.71	
11 41 23 00-0316	EA	Doors Cut For Tile	1,182.56	
11 41 23 00-0317	EA	84" High Doors (36" Wide)	1,182.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	2,856.65	
11 41 23 00-0319	EA	57-1/2" Door Section	711.03	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches	659.33	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	333.07	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	622.04	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	799.26	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle	83.03	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel	109.13	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel	160.56	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel	259.46	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	44.48	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	11.56	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening	55.38	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	22.91	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	85.45	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	111.44	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	39.95	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	17.41	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs	49.62	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	97.75	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	118.77	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall)	678.01	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	605.23	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	2,032.48	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard)	187.49	
11 41 23 00-0343	LF	Extra Capillary Tubing	26.85	

11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,339.18	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*360.14*	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,997.91	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*392.73*	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,226.26	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*403.81*	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,897.66	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*437.04*	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,708.27	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*427.23*	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,363.84	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*459.66*	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,560.54	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*469.16*	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,494.60	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*515.52*	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,077.37	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*494.32*	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,736.10	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*526.91*	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,980.27	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*538.78*	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,642.18	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*571.53*	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	13,427.89	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*660.48*	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,016.41	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*394.00*	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,573.88	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*421.53*	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,843.36	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*434.66*	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,587.55	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*471.53*	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,360.19	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*459.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,101.20	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*496.53*	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,373.85	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*509.82*	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,114.87	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*546.53*	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,887.52	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*534.82*	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,628.53	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*571.53*	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,901.18	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*584.82*	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,642.21	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*621.53*	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,414.83	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*609.83*	
11 41 23 00-0371		**Glass Doors For Walk-In Refrigerated Boxes** *(11 41 23 00-0282)* Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model	3,142.48	
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model	3,433.63	
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model	3,462.11	
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model	3,829.21	
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	4,202.64	
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	4,468.46	
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	4,484.29	
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	5,218.48	
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	4,272.26	
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	5,291.27	
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	5,648.87	
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	5,769.13	
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	6,506.49	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	7,221.70	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	7,354.61	
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	7,845.13	
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	3,373.50	
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	3,553.89	
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,778.60	
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	4,098.20	
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	4,550.75	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	4,762.78	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,778.60	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	5,690.01	
11 41 23 00-0396		**Modular Wire Shelving For Walk-In Refrigerated Boxes** *(11 41 23 00-0282)*		
11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,077.06	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,134.51	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,267.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,338.04	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,452.96	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,248.44	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,277.42	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,413.99	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,477.77	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,690.80	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,362.87	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,376.02	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,575.88	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,582.71	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,827.37	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	912.50	
		For Cantilever Shelving, Add	*402.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	957.29	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,052.73	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,072.21	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,225.10	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,007.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,081.21	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,145.00	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,158.15	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,371.17	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,109.70	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,151.33	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,237.26	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,282.07	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,501.41	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,514.44	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,805.62	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,861.47	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,917.32	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,529.09	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,638.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,802.64	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,103.62	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,228.10	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,947.73	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,851.67	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,113.42	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,414.40	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,538.90	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	4,493.84	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,268.42	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,370.18	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,487.77	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,595.86	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,729.76	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,512.59	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,547.90	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,712.95	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,795.72	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,056.21	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,652.33	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,703.46	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,890.66	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,929.14	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,221.26	
		For Cantilever Shelving, Add	*472.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,069.05	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,123.34	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,240.93	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,263.57	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,451.28	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,215.11	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,301.06	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,491.42	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,472.93	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,651.14	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,339.03	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0468	EA	21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,390.16	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0469	EA	21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,498.24	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0470	EA	21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,549.38	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0471	EA	21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,822.52	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0472	EA	14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,069.30	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,431.56	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,499.67	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,567.78	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,329.08	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,223.20	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,426.13	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,800.65	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,954.55	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,850.67	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,487.42	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,812.91	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,187.43	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,341.33	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	5,531.61	
		For Cantilever Shelving, Add	*472.00*	

11 41 31 Non-Refrigerated Storage Equipment *(11 41)*

11 41 31 00-0001 Wall Cabinets *(11 41 31)*

11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,574.84	105.90
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	3,397.44	139.80
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	3,899.51	160.28
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	2,495.62	102.24

11 41 31 00-0006 Mobile Sheet Pan Truck *(11 41 31)*

11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck	238.78	8.13

11 41 31 00-0008 Pot And Utensil Rack *(11 41 31)*

11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack	696.70	24.79
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack	807.40	28.02
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack	959.90	33.57
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack	522.03	18.33

11 41 31 00-0013 Tray And Silverware Cart *(11 41 31)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart	2,409.56	83.66
11 41 31 00-0015		**Flat Top Utility Units** *(11 41 31)*		
11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,642.86	57.19
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	2,201.53	76.43
11 41 33		**Foodservice Shelving** *(11 41)*		
11 41 33 00-0001		**Shelving/Racks** *(11 41 33)*		
11 41 33 00-0002		**Chrome Shelving Units** *(11 41 33 00-0001)*		
11 41 33 00-0003		**54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	331.87	37.22
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	350.01	37.52
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	372.50	37.83
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	386.41	38.15
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	413.13	38.45
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	435.71	38.76
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	453.85	39.07
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	494.49	39.68
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	362.92	37.52
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	376.81	37.83
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	390.74	38.15
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	430.45	38.45
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	457.26	38.76
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	492.64	39.07
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	506.46	39.37
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	555.84	39.99
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	381.15	37.83
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	412.21	38.15
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	434.79	38.45
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	461.50	38.76
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	479.73	39.07
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	523.79	39.37
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	546.26	39.68
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	604.21	40.29
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	420.96	38.15
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	439.12	38.45
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	452.93	38.76
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	488.39	39.07
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	510.88	39.37
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	554.92	39.68
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	585.97	39.99
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	661.23	40.60
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	559.90	38.45
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	629.72	38.76
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	673.85	39.07
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	774.01	39.37
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	619.60	39.68
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	685.28	39.99
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	768.05	40.29
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	902.06	40.91
11 41 33 00-0044		**63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	336.12	37.22
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	354.26	37.52
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	376.73	37.83
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	390.65	38.15
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	417.37	38.45
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	439.93	38.76
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	458.09	39.07
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	498.71	39.68
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	367.14	37.52
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	381.06	37.83
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	394.99	38.15
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	434.68	38.45
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	461.50	38.76
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	496.86	39.07
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	510.70	39.37
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	518.16	39.99
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	385.39	37.83
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	416.45	38.15
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	439.01	38.45
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	465.73	38.76
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	483.97	39.07
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	528.01	39.37
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	550.50	39.68
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	608.45	40.29
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	425.20	38.15
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	443.34	38.45
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	457.17	38.76
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	492.64	39.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	515.12	39.37
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	559.14	39.68
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	590.19	39.99
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	665.47	40.60
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	564.12	38.45
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	633.96	38.76
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	678.07	39.07
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	778.23	39.37
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	623.82	39.68
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	689.51	39.99
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	772.33	40.29
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	906.29	40.91
11 41 33 00-0085		**66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	338.33	37.22
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	356.47	37.52
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	378.94	37.83
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	392.86	38.15
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	419.58	38.45
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	442.14	38.76
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	460.30	39.07
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	500.92	39.68
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	369.37	37.52
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	383.27	37.83
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	397.20	38.15
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	436.91	38.45
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	463.71	38.76
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	499.07	39.07
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	512.91	39.37
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	562.30	39.99
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	387.60	37.83
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	418.66	38.15
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	441.22	38.45
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	467.94	38.76
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	486.18	39.07
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	530.22	39.37
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	552.71	39.68
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	610.66	40.29
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	427.41	38.15
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	445.55	38.45
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	459.38	38.76
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	494.85	39.07
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	517.33	39.37
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	561.38	39.68
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	592.40	39.99
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	667.68	40.60
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	566.33	38.45
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	636.17	38.76
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	680.30	39.07
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	780.44	39.37
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	626.03	39.68
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	691.72	39.99
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	774.52	40.29
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	908.50	40.91
11 41 33 00-0126		**74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	344.76	37.22
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	362.92	37.52
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	385.39	37.83
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	399.32	38.15
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	426.03	38.45
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	448.59	38.76
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	466.76	39.07
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	507.38	39.68
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	375.81	37.52
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	389.72	37.83
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	403.65	38.15
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	443.34	38.45
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	470.15	38.76
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	505.53	39.07
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	519.37	39.37
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	568.73	39.99
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	394.06	37.83
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	425.11	38.15
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	447.67	38.45
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	474.39	38.76
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	492.64	39.07
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	536.67	39.37
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	559.14	39.68
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	617.12	40.29
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	433.87	38.15
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	452.01	38.45
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	465.84	38.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	501.28	39.07
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	523.79	39.37
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	567.81	39.68
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	598.86	39.99
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	674.14	40.60
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	572.78	38.45
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	642.63	38.76
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	686.74	39.07
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	786.89	39.37
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	632.49	39.68
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	698.17	39.99
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	781.00	40.29
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	914.95	40.91
11 41 33 00-0167		**86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	362.00	37.22
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	380.14	37.52
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	402.61	37.83
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	416.54	38.15
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	443.25	38.45
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	465.84	38.76
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	483.97	39.07
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	524.62	39.68
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	393.05	37.52
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	406.94	37.83
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	420.87	38.15
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	460.58	38.45
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	487.39	38.76
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	522.77	39.07
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	536.59	39.37
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	585.97	39.99
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	411.28	37.83
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	442.33	38.15
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	464.92	38.45
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	491.61	38.76
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	509.86	39.07
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	553.91	39.37
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	576.39	39.68
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	634.34	40.29
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	451.09	38.15
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	469.23	38.45
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	483.05	38.76
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	518.52	39.07
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	541.01	39.37
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	585.05	39.68
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	616.08	39.99
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	691.36	40.60
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	590.00	38.45
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	659.85	38.76
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	703.98	39.07
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	804.11	39.37
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	649.71	39.68
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	715.39	39.99
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	798.24	40.29
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	932.17	40.91
11 41 33 00-0208		**96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	425.63	37.22
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	448.08	37.52
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	475.95	37.83
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	493.12	38.15
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	526.29	38.45
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	554.27	38.76
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	576.72	39.07
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	627.06	39.68
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	464.20	37.52
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	481.36	37.83
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	498.52	38.15
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	547.93	38.45
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	581.21	38.76
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	625.21	39.07
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	642.24	39.37
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	703.51	39.99
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	486.78	37.83
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	525.37	38.15
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	553.35	38.45
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	586.50	38.76
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	609.08	39.07
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	663.91	39.37
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	691.78	39.68
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	763.76	40.29
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	536.31	38.15
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	558.76	38.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	575.80	38.76
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	619.92	39.07
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	647.78	39.37
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	702.59	39.68
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	741.17	39.99
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	834.80	40.60
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	709.73	38.45
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	796.79	38.76
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	851.71	39.07
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	976.68	39.37
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	783.44	39.68
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	865.31	39.99
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	968.62	40.29
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,135.59	40.91
11 41 33 00-0249		Galvanized Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0250		54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	368.20	37.22
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	387.08	37.52
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	410.54	37.83
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	429.42	38.15
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	457.38	38.45
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	480.73	38.76
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	504.19	39.07
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	541.95	39.68
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	400.55	37.52
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	415.03	37.83
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	442.90	38.15
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	475.33	38.45
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	503.27	38.76
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	540.10	39.07
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	568.07	39.37
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	610.47	39.99
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	419.51	37.83
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	456.46	38.15
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	479.81	38.45
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	507.77	38.76
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	526.65	39.07
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	577.05	39.37
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	600.51	39.68
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	669.78	40.29
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	465.44	38.15
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	484.31	38.45
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	498.79	38.76
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	535.62	39.07
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	577.05	39.37
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	622.94	39.68
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	659.88	39.99
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	742.71	40.60
11 41 33 00-0283		63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	377.18	37.22
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	396.05	37.52
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	419.51	37.83
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	438.40	38.15
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	466.36	38.45
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	489.71	38.76
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	513.17	39.07
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	550.93	39.68
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	409.53	37.52
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	424.01	37.83
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	451.87	38.15
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	484.31	38.45
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	512.25	38.76
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	549.08	39.07
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	577.05	39.37
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	619.38	39.99
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	428.49	37.83
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	465.44	38.15
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	488.79	38.45
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	516.75	38.76
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	535.62	39.07
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	586.02	39.37
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	609.48	39.68
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	678.76	40.29
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	474.41	38.15
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	493.29	38.45
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	507.77	38.76
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	544.60	39.07
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	586.02	39.37
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	631.92	39.68
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	668.85	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	751.69	40.60
11 41 33 00-0316		**74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	386.16	37.22
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	405.03	37.52
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	428.49	37.83
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	447.37	38.15
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	475.33	38.45
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	498.69	38.76
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	522.15	39.07
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	559.91	39.68
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	418.51	37.52
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	432.99	37.83
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	460.85	38.15
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	493.29	38.45
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	521.23	38.76
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	558.06	39.07
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	586.02	39.37
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	628.36	39.99
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	437.47	37.83
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	474.41	38.15
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	497.77	38.45
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	525.73	38.76
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	544.60	39.07
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	595.00	39.37
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	618.46	39.68
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	687.74	40.29
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	483.39	38.15
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	502.27	38.45
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	516.75	38.76
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	553.58	39.07
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	595.00	39.37
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	640.89	39.68
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	677.83	39.99
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	760.67	40.60
11 41 33 00-0349		**86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	408.70	37.22
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	427.57	37.52
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	451.03	37.83
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	469.91	38.15
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	497.87	38.45
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	521.23	38.76
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	544.69	39.07
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	582.45	39.68
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	441.05	37.52
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	455.53	37.83
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	483.39	38.15
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	515.83	38.45
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	543.77	38.76
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	580.60	39.07
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	608.56	39.37
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	650.90	39.99
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	460.01	37.83
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	496.95	38.15
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	520.31	38.45
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	548.27	38.76
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	567.14	39.07
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	617.54	39.37
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	641.00	39.68
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	710.28	40.29
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	505.93	38.15
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	524.81	38.45
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	539.29	38.76
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	576.12	39.07
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	617.54	39.37
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	663.43	39.68
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	700.37	39.99
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	783.21	40.60
11 41 33 00-0382		**54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	699.32	38.15
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	768.67	38.76
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	860.49	39.37
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	916.30	39.99
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	764.11	38.76
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	882.94	39.37
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	974.75	39.99
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,111.53	40.60
11 41 33 00-0391		**63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	708.30	38.15
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	777.67	38.76
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	869.46	39.37
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	925.27	39.99
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	773.08	38.76
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	891.92	39.37
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	983.72	39.99
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,120.51	40.60
11 41 33 00-0400		**74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	717.27	38.15
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	786.65	38.76
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	878.46	39.37
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	934.25	39.99
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	782.06	38.76
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	900.89	39.37
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	992.70	39.99
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,129.51	40.60
11 41 33 00-0409		**86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	739.81	38.15
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	809.16	38.76
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	900.98	39.37
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	956.79	39.99
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	804.60	38.76
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	923.43	39.37
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,015.24	39.99
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,152.03	40.60
11 41 33 00-0418		**Stainless Steel Shelving Unit** *(11 41 33 00-0001)*		
11 41 33 00-0419		**63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0420	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	771.23	38.15
11 41 33 00-0421	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	897.04	38.76
11 41 33 00-0422	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,056.00	39.37
11 41 33 00-0423	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,222.47	39.99
11 41 33 00-0424	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	907.57	38.76
11 41 33 00-0425	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,051.86	39.37
11 41 33 00-0426	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,240.95	39.99
11 41 33 00-0427	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,490.67	40.60
11 41 33 00-0428		**74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0429	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	797.61	38.15
11 41 33 00-0430	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	923.42	38.76
11 41 33 00-0431	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,086.13	39.37
11 41 33 00-0432	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,248.84	39.99
11 41 33 00-0433	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	933.95	38.76
11 41 33 00-0434	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,078.23	39.37
11 41 33 00-0435	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,267.31	39.99
11 41 33 00-0436	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,517.05	40.60
11 41 33 00-0437		**86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0438	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	823.98	38.15
11 41 33 00-0439	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	949.79	38.76
11 41 33 00-0440	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,112.50	39.37
11 41 33 00-0441	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,275.21	39.99
11 41 33 00-0442	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	960.31	38.76
11 41 33 00-0443	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,104.61	39.37
11 41 33 00-0444	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,293.69	39.99
11 41 33 00-0445	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,543.42	40.60
11 41 33 00-0446		**63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0447	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,477.58	38.15
11 41 33 00-0448	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,634.45	38.76
11 41 33 00-0449	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,842.78	39.37
11 41 33 00-0450	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,968.51	39.99
11 41 33 00-0451	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,771.75	38.76
11 41 33 00-0452	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,088.49	39.37
11 41 33 00-0453	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,319.44	39.99
11 41 33 00-0454	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,664.92	40.60
11 41 33 00-0455		**74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0456	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,522.55	38.15
11 41 33 00-0457	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,682.15	38.76
11 41 33 00-0458	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,894.17	39.37
11 41 33 00-0459	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,022.03	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0460	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,816.74	38.76
11 41 33 00-0461	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,133.46	39.37
11 41 33 00-0462	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,366.95	39.99
11 41 33 00-0463	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,716.31	40.60
11 41 33 00-0464		**86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0465	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,567.55	38.15
11 41 33 00-0466	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,726.27	38.76
11 41 33 00-0467	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,937.18	39.37
11 41 33 00-0468	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,064.44	39.99
11 41 33 00-0469	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,861.72	38.76
11 41 33 00-0470	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,178.46	39.37
11 41 33 00-0471	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,410.49	39.99
11 41 33 00-0472	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,757.60	40.60
11 41 33 00-0473		**Galvanized Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0474	EA	18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	272.64	27.43
11 41 33 00-0475	EA	18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	287.45	28.19
11 41 33 00-0476	EA	18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	304.35	28.96
11 41 33 00-0477	EA	18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	335.82	29.72
11 41 33 00-0478	EA	18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	363.11	30.48
11 41 33 00-0479	EA	24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	293.47	27.43
11 41 33 00-0480	EA	24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	320.78	28.19
11 41 33 00-0481	EA	24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	337.68	28.96
11 41 33 00-0482	EA	24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	367.06	29.72
11 41 33 00-0483	EA	24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	400.60	30.48
11 41 33 00-0484		**Stainless Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0485	EA	18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	738.43	28.96
11 41 33 00-0486	EA	18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	926.77	29.72
11 41 33 00-0487	EA	18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,569.08	30.48
11 41 33 00-0488	EA	24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	808.08	28.96
11 41 33 00-0489	EA	24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	1,007.42	29.72
11 41 33 00-0490	EA	24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,711.41	30.48
11 41 33 00-0491		**Mobile Racks** *(11 41 33 00-0001)*		
11 41 33 00-0492	EA	Mobile Rack With Pan Slide	2,044.71	46.19
11 41 33 00-0493		**Can Racks** *(11 41 33 00-0001)*		
11 41 33 00-0494	EA	27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack Note: 156 #10 cans capacity	4,169.26	46.19

11 42 Food Preparation Equipment *(11 40)*

11 42 13 Food Preparation Appliances *(11 42)*

11 42 13 00-0001		**Vertical Cutter Mixers** *(11 42 13)*		
11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	12,025.82	247.29
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	13,898.94	274.77
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	17,265.22	395.67
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	19,293.48	494.59
11 42 13 00-0006		**Choppers** *(11 42 13)*		
11 42 13 00-0007	EA	Choppers, 5 Lb.	3,043.94	219.82
11 42 13 00-0008	EA	Choppers, 16 Lb.	4,464.07	285.76
11 42 13 00-0009	EA	Choppers, 35 LB - 40 Lb./Min, 2 HP	7,139.99	312.47
11 42 13 00-0010	EA	Choppers, 35 LB - 40 Lb./Min, 3 HP	8,095.24	312.47
11 42 13 00-0011		**Stand Model Mixer** *(11 42 13)*		
11 42 13 00-0012	EA	10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10)	1,402.42	108.11
11 42 13 00-0013	EA	20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,741.82	108.11
11 42 13 00-0014	EA	10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,579.15	108.11
11 42 13 00-0015	EA	20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1)	9,643.00	104.41
11 42 13 00-0016		**Floor Model Mixer** *(11 42 13)*		
11 42 13 00-0017	EA	30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30)	3,608.48	108.11
11 42 13 00-0018	EA	40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40)	4,990.11	120.15
11 42 13 00-0019	EA	60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60)	8,583.76	135.15
11 42 13 00-0020	EA	30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1)	18,335.90	104.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0021	EA	40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	22,512.81	107.16
11 42 13 00-0022	EA	60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	28,674.27	109.91
11 42 13 00-0023	EA	80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	42,347.07	137.38
11 42 13 00-0024	EA	140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	54,244.14	175.86
11 42 13 00-0025		Slicers *(11 42 13)*		
11 42 13 00-0026	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	722.34	33.79
11 42 13 00-0027	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	1,048.43	33.79
11 42 13 00-0028	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,506.78	33.79
11 42 13 00-0029	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,554.42	33.79
11 42 13 00-0030	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	2,816.33	33.79
11 42 13 00-0031	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	7,046.79	33.79
11 42 13 00-0032		Peelers *(11 42 13)*		
11 42 13 00-0033	EA	22 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-10)	3,803.34	178.60
11 42 13 00-0034	EA	44 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-20)	4,392.89	208.28
11 42 13 00-0035	EA	66 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-30)	6,810.47	238.17
11 42 13 00-0036	EA	20 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6115)	6,075.65	178.60
11 42 13 00-0037	EA	40 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6430-1)	12,310.10	208.28
11 42 13 00-0038	EA	60 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6460-1)	13,111.74	238.17
11 42 13 00-0039		Proof Boxes *(11 42 13)*		
11 42 13 00-0040	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	3,219.97	83.66
11 42 13 00-0041	EA	30-1/2" x 45", Stainless Steel Proof Box	5,388.00	140.21
11 42 13 00-0042	EA	30-1/2" x 45", Galvanized Proof Box	3,364.21	63.65
11 42 13 00-0043		Non-Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0044	EA	Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,298.45	80.17
11 42 13 00-0045	EA	Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,465.62	85.72
11 42 13 00-0046	EA	Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,282.85	79.53
11 42 13 00-0047	EA	Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,419.52	84.31
11 42 13 00-0048		Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0049	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	3,768.27	155.13
11 42 13 00-0050	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	3,937.90	162.17
11 42 13 00-0051		Pass-Thru Hot Food Holding Cabinet *(11 42 13)*		
11 42 13 00-0052	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	7,756.33	230.81
11 42 13 00-0053	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	8,252.72	230.81
11 42 13 00-0054	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	10,540.30	241.79
11 42 13 00-0055	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	11,554.31	241.79
11 42 16		**Food Preparation Surfaces** ***(11 42)***		
11 42 16 00-0001		Tables *(11 42 16)*		
11 42 16 00-0002		Baker's Table *(11 42 16 00-0001)*		
11 42 16 00-0003	EA	4' Open Base Baker's Table	874.93	69.16
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,717.20	135.60
11 42 16 00-0005	EA	10' Under Shelf Baker's Table	2,118.76	167.33
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	2,272.53	179.67
11 42 16 00-0007	EA	10' Bins Baker's Table	3,343.51	264.42
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	5,250.21	415.07
11 42 16 00-0009		Preparation Table, Stainless Steel, With Under Shelf *(11 42 16 00-0001)*		
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Under Shelf	1,187.09	36.47
11 42 16 00-0011	EA	30" x 72' Marine Edge Stainless Steel Preparation Table With Under Shelf	1,280.33	43.80
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Under Shelf	1,933.70	59.53
11 42 16 00-0013		Preparation Table, Stainless Steel, With Open Front *(11 42 16 00-0001)*		
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	1,249.94	38.37
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,606.53	49.36
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	1,380.01	42.45
11 42 16 00-0017	EA	36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front	1,661.08	51.12
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	335.56	10.30
11 42 16 00-0019		Mobile Tables *(11 42 16 00-0001)*		
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	3,225.14	32.68
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,746.79	39.19
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	1,430.40	44.07

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0023		Hot Food Tables, Stainless Steel, Gas Or Electric *(11 42 16 00-0001)*		
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,554.66	78.65
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,072.13	63.73
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	172.00	5.29
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	251.64	7.73
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	5,026.44	131.04
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	9,999.88	261.43
11 42 16 00-0030		Basic Table *(11 42 16 00-0001)*		
11 42 16 00-0031	LF	Table, Basic	290.04	25.68
11 42 16 00-0032		Table With Sink *(11 42 16)*		
11 42 16 00-0033	LF	Table With Sink	373.21	49.81
11 42 23		**Food Preparation Scullery Sinks** *(11 42)*		
11 42 23 00-0001		Stainless Steel Scullery Sinks *(11 42 23)*		
		Note: Excludes faucet. See CSI section 22 42 39 00-0092 for service sink faucets.		
11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drain Board	2,710.94	209.03
		For Additional Drain Board, Add	*247.21*	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drain Board	3,836.88	238.88
		For Additional Drain Board, Add	*353.83*	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drain Board	5,084.30	238.88
		For Additional Drain Board, Add	*472.60*	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drain Board	7,259.12	238.88
		For Additional Drain Board, Add	*678.14*	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drain Board	4,490.90	238.88
11 42 23 00-0007	EA	33-1/2" Wide x 66" Long, Stainless Steel Scullery Sink, Triple Compartment	7,810.54	455.17
		Note: 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0008	EA	33" Wide x 99" Long, Stainless Steel Scullery Sink, Triple Compartment	7,669.82	462.83
		Note: With left and right table drain board extensions and 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0009	EA	33-1/2" Wide x 82-1/2" Long, Stainless Steel Scullery Sink, Triple Compartment	7,344.24	462.83
		Note: With left or right table drain board extensions and 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0010	EA	23-1/2" Wide x 21" Long, Stainless Steel Scullery Sink, Single Compartment	3,860.54	253.92
		Note: 6" backsplash with 45-degree return angle, rolled edges.		
11 42 23 00-0011	EA	23-1/2" Wide x 36-1/2" Long, Stainless Steel Scullery Sink, Single Compartment	4,158.53	253.92
		Note: With left or right 18" table drain board extension and 6" backsplash with 45-degree return angle, rolled edges.		
11 42 23 00-0012	EA	23-1/2" Wide x 42-1/2" Long, Stainless Steel Scullery Sink, Single Compartment	4,337.88	253.92
		Note: With left or right 24" table drain board extension and 6" backsplash with 45-degree return angle, rolled edges.		
11 42 23 00-0013	EA	36" Wide, Double 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink (Advance Tabco 4-2-36-X)	1,465.28	209.03
11 42 23 00-0014	EA	39" Wide, Double 16" Length x 20" Width x 12" Depth, 18 Gauge, Stainless Steel Scullery Sink (Elkay E2C16X20-0X)	1,472.45	209.03
11 42 23 00-0015	EA	54" Wide, Triple 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink (Advance Tabco 4-3-54-X)	1,751.58	238.88
11 44		**Food Cooking Equipment** *(11 40)*		
11 44 13		**Commercial Ranges** *(11 44)*		
11 44 13 00-0001		Range *(11 44 13)*		
11 44 13 00-0002	EA	Heavy-Duty Range, With 34" Open Top Oven	3,141.15	109.91
11 44 13 00-0003	EA	Range With Fry Top	3,141.15	109.91
11 44 13 00-0004	EA	Steel Finish Fry Top	6,727.64	157.37
11 44 13 00-0005	EA	Stainless Top Only Fry Top	6,724.75	155.57
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	7,770.57	181.13
11 44 13 00-0007	EA	6 Burner Gas Range (Vulcan #260L)	7,010.45	161.38
		Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel-plated oven racks.		
11 44 13 00-0008	EA	48" Range With Casters (Vulcan 48C-4B24GN)	15,532.69	92.38
11 44 16		**Commercial Ovens** *(11 44)*		
11 44 16 00-0001		Bake Oven *(11 44 16)*		
11 44 16 00-0002	EA	55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	20,120.38	470.05
11 44 16 00-0003	EA	55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	20,120.38	470.05
11 44 16 00-0004	EA	74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	27,210.84	470.05
11 44 16 00-0005	EA	74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	27,210.84	470.05
11 44 16 00-0006	EA	55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	38,807.63	537.20
11 44 16 00-0007	EA	55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	38,807.63	537.20
11 44 16 00-0008	EA	74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	56,681.58	537.20
11 44 16 00-0009	EA	74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	56,681.58	537.20
11 44 16 00-0010	EA	55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	61,639.50	671.50
11 44 16 00-0011	EA	55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	61,639.50	671.50
11 44 16 00-0012	EA	74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	86,606.31	671.50
11 44 16 00-0013	EA	74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	86,606.31	671.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0014		**Rapid-Cook Countertop Bake Ovens** *(11 44 16)*		
11 44 16 00-0015	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1)	9,386.40	23.10
11 44 16 00-0016	EA	800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	5,569.27	23.10
11 44 16 00-0017	EA	4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	4,386.32	23.10
11 44 16 00-0018	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1)	6,688.82	23.10
11 44 16 00-0019	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5)	6,961.64	23.10
11 44 16 00-0020	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2)	6,961.64	23.10
11 44 16 00-0021	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500)	6,961.64	23.10
11 44 16 00-0022	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500)	6,961.64	23.10
11 44 16 00-0023	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500)	6,961.64	23.10
11 44 16 00-0024	EA	1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1)	12,953.37	23.10
11 44 16 00-0025	EA	6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S)	12,009.27	23.10
11 44 16 00-0026	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V)	6,413.75	23.10
11 44 16 00-0027	EA	3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14)	5,242.12	23.10
11 44 16 00-0028	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19)	5,700.58	23.10
11 44 16 00-0029	EA	6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601)	13,632.57	23.10
11 44 16 00-0030	EA	5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT)	12,170.02	23.10
11 44 16 00-0031	EA	1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC)	8,511.36	23.10
11 44 16 00-0032	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	17,131.62	23.10
11 44 16 00-0033	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	17,131.62	23.10
11 44 16 00-0034	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch)	17,765.54	23.10
11 44 16 00-0035	EA	11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL)	17,765.54	23.10
11 44 16 00-0036	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1)	9,419.23	23.10
11 44 16 00-0037	EA	5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1)	9,386.40	23.10
11 44 16 00-0038	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400)	11,450.06	23.10
11 44 16 00-0039	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104)	9,973.92	23.10
11 44 16 00-0040	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI)	11,144.42	23.10
11 44 16 00-0041	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH)	11,686.65	23.10
11 44 16 00-0042	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH)	10,347.48	23.10
11 44 16 00-0043	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER)	12,579.80	23.10
11 44 16 00-0044	EA	6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH)	13,140.15	23.10
11 44 16 00-0045	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2)	9,928.64	23.10
11 44 16 00-0046	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK)	9,532.43	23.10
11 44 16 00-0047	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED)	9,532.43	23.10
11 44 16 00-0048	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	10,041.84	23.10
11 44 16 00-0049	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED)	10,041.84	23.10
11 44 16 00-0050	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1)	10,912.35	23.10
11 44 16 00-0051	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	14,620.82	23.10
11 44 16 00-0052	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	14,620.82	23.10
11 44 16 00-0053	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	15,232.10	23.10
11 44 16 00-0054	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	15,232.10	23.10
11 44 16 00-0055	EA	10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1)	13,705.02	23.10
11 44 16 00-0056	EA	5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1)	10,302.20	23.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0057		**Combination Ovens** *(11 44 16)*		
		Note: Convection, steam and combination modes.		
11 44 16 00-0058	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	25,101.87	192.33
11 44 16 00-0059	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	41,180.78	219.82
11 44 16 00-0060	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	34,019.82	219.82
11 44 16 00-0061	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	82,104.17	274.77
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	62,332.18	274.77
11 44 16 00-0063		**Broiler, Without Oven** *(11 44 16)*		
11 44 16 00-0064	EA	69" x 26" x 39" Broiler Without Oven	8,746.62	175.86
11 44 16 00-0065	EA	Conveyor Broiler	7,766.86	204.10
11 44 16 00-0066		**Oven Stands** *(11 44 16)*		
11 44 16 00-0067	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	1,992.66	
11 44 16 00-0068		**Countertop Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0069	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	234.51	11.55
11 44 16 00-0070	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	378.18	11.55
11 44 16 00-0071	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	445.09	11.55
11 44 16 00-0072	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	571.95	11.55
11 44 16 00-0073	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,037.07	11.55
11 44 16 00-0074	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,206.21	11.55
11 44 16 00-0075	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	209.14	11.55
11 44 16 00-0076	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	344.45	11.55
11 44 16 00-0077	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	977.07	11.55
11 44 16 00-0078	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	889.20	11.55
11 44 16 00-0079	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,207.73	11.55
11 44 16 00-0080	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	1,956.41	11.55
11 44 16 00-0081		**Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0082	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	4,467.12	46.20
11 44 16 00-0083	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK)	8,860.05	92.38
11 44 16 00-0084	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	8,860.05	92.38
11 44 16 00-0085	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	8,860.05	92.38
11 44 16 00-0086	EA	22 kW, 208 Volt , 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	8,860.05	92.38
11 44 16 00-0087	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	14,627.71	92.38
11 44 16 00-0088	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3)	7,313.85	46.20
11 44 16 00-0089	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	7,313.85	46.20
11 44 16 00-0090	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3)	8,027.43	46.20
11 44 16 00-0091	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	7,313.85	46.20
11 44 16 00-0092	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	7,313.85	46.20
11 44 16 00-0093	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	16,054.87	92.38
11 44 16 00-0094	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	6,828.61	46.20
11 44 16 00-0095	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	13,657.23	92.38
11 44 16 00-0096	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	14,627.71	92.38
11 44 16 00-0097	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	18,507.41	92.38
11 44 16 00-0098		**Natural Gas Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0099	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	5,137.54	46.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0100	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N)	10,189.50	92.38
11 44 16 00-0101	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT)	17,587.15	92.38
11 44 16 00-0102	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD)	16,841.03	92.38
11 44 16 00-0103	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	15,721.83	92.38
11 44 16 00-0104	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K)	8,793.57	46.20
11 44 16 00-0105	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G)	8,885.96	92.38
11 44 16 00-0106	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S)	24,585.42	92.38
11 44 16 00-0107	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	7,860.91	46.20
11 44 16 00-0108	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES)	21,559.20	92.38
11 44 16 00-0109	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20)	32,048.91	92.38
11 44 16 00-0110	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS)	24,585.42	92.38
11 44 16 00-0111	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G)	20,132.77	92.38
11 44 16 00-0112	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES)	17,916.33	92.38
11 44 16 00-0113	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN)	8,420.51	46.20
11 44 16 00-0114	EA	36" Wide x 58" Height x 41" Depth, Natural Gas Convection Oven (Vulcan 36C-BN)	9,674.91	219.82
		For 5" Swivel Plate Casters, Set of 4, Add	*654.69*	

11 44 16 00-0115 Liquid Propane Convection Type Ovens *(11 44 16)*

11 44 16 00-0116	EA	108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L)	10,189.50	92.38
11 44 16 00-0117	EA	100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP)	17,587.15	92.38
11 44 16 00-0118	EA	50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K)	8,793.57	46.20
11 44 16 00-0119	EA	100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP)	33,207.61	92.38
11 44 16 00-0120	EA	100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	15,721.83	92.38
11 44 16 00-0121	EA	100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP)	16,841.03	92.38
11 44 16 00-0122	EA	50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL)	8,420.51	46.20
11 44 16 00-0123	EA	50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	7,860.91	46.20

11 44 16 00-0124 Countertop Pizza Oven *(11 44 16)*

11 44 16 00-0125	EA	3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE)	6,383.18	23.10

11 44 16 00-0126 Rotary Deck Pizza Oven *(11 44 16)*

11 44 16 00-0127	EA	90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare)	39,273.46	92.38

11 44 16 00-0128 Triple Conveyor Oven *(11 44 16)*

11 44 16 00-0129	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	62,377.11	184.77
11 44 16 00-0130	EA	30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	62,377.11	184.77
11 44 16 00-0131	EA	22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,961.23	184.77
11 44 16 00-0132	EA	22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	115,342.15	184.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0133	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	115,342.15	184.77
11 44 16 00-0134	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,961.23	184.77
11 44 16 00-0135	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,961.23	184.77

11 44 19 Commercial Cooking Equipment *(11 44)*

11 44 19 00-0001 Drop-In Electric Griddle *(11 44 19)*

11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle	4,407.51	151.13
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle	6,267.49	151.13
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle	7,173.30	164.86
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle	8,583.05	164.86
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle	11,000.47	178.60

11 44 19 00-0007 Countertop Griddle *(11 44 19)*

11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	594.78	170.96
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	726.78	170.96
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	803.78	170.96
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	1,000.69	170.96
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	1,082.64	170.96
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,376.67	170.96

11 44 19 00-0014 Panini Sandwich Grill *(11 44 19)*

11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S)	647.86	92.38
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78)	496.02	92.38
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	496.02	92.38
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG)	496.02	92.38
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	1,018.14	92.38

11 44 19 00-0020 Electric Countertop Fryer, With Basket *(11 44 19)*

11 44 19 00-0021	EA	30 Lb. Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202))	995.65	92.38
11 44 19 00-0022	EA	30 Lb. Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	2,185.15	92.38
11 44 19 00-0023	EA	30 Lb. Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F)	8,128.98	92.38

11 44 19 00-0024 Electric Floor Fryer, With Basket *(11 44 19)*

11 44 19 00-0025	EA	50 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	6,956.98	219.82
11 44 19 00-0026	EA	50 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	7,302.41	219.82
11 44 19 00-0027	EA	85 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	23,323.92	285.76
11 44 19 00-0028	EA	85 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	23,890.76	285.76

11 44 19 00-0029 Natural Gas Floor Fryer, With Basket *(11 44 19)*

11 44 19 00-0030	EA	40 Lb. Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300)	1,548.50	147.81
11 44 19 00-0031	EA	50 Lb. Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400)	1,772.23	184.77
11 44 19 00-0032	EA	70 To 100 Lb. Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518)	2,553.77	369.54

11 44 19 00-0033 Steam Jacketed Kettles *(11 44 19)*

11 44 19 00-0034	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T)	13,568.70	23.10
11 44 19 00-0035	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7)	12,066.61	23.10
11 44 19 00-0036	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T)	9,593.42	23.10
11 44 19 00-0037	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7)	10,002.59	23.10
11 44 19 00-0038	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL)	35,116.36	23.10
11 44 19 00-0039	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3)	61,883.52	92.38
11 44 19 00-0040	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403)	146,333.77	92.38
11 44 19 00-0041	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3)	32,181.63	92.38
11 44 19 00-0042	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3)	32,181.63	92.38
11 44 19 00-0043	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3)	58,984.80	92.38
11 44 19 00-0044	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T)	21,512.37	92.38
11 44 19 00-0045	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403)	47,466.29	92.38
11 44 19 00-0046	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403)	59,419.42	92.38
11 44 19 00-0047	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403)	42,278.05	92.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0048	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T)	39,004.72	92.38
11 44 19 00-0049	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403)	120,399.85	92.38
11 44 19 00-0050	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403)	124,229.66	92.38
11 44 19 00-0051	EA	100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP)	57,903.88	184.77
11 44 19 00-0052	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP)	40,371.52	184.77
11 44 19 00-0053	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP)	57,614.73	184.77
11 44 19 00-0054	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP)	47,871.10	184.77
11 44 19 00-0055	EA	40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP)	49,605.97	184.77
11 44 19 00-0056	EA	6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP)	20,864.26	184.77
11 44 19 00-0057	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP)	60,144.29	184.77
11 44 19 00-0058	EA	125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP)	59,833.33	184.77
11 44 19 00-0059	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP)	66,307.26	184.77
11 44 19 00-0060	EA	60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP)	44,917.82	184.77
11 44 19 00-0061	EA	12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP)	27,383.65	184.77
11 44 19 00-0062	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP)	145,642.01	184.77
11 44 19 00-0063	EA	80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP)	48,191.16	184.77
11 44 19 00-0064	EA	60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT)	60,144.29	184.77
11 44 19 00-0065	EA	60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT)	139,782.74	184.77
11 44 19 00-0066	EA	25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT)	45,925.28	184.77
11 44 19 00-0067	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT)	139,402.67	184.77
11 44 19 00-0068	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT)	47,498.30	184.77
11 44 19 00-0069	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT)	164,589.17	184.77
11 44 19 00-0070	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT)	24,961.39	184.77
11 44 19 00-0071	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT)	47,871.10	184.77
11 44 19 00-0072	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT)	47,607.42	184.77
11 44 19 00-0073	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT)	140,186.45	184.77
11 44 19 00-0074	EA	6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	20,864.26	184.77
11 44 19 00-0075	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT)	57,903.88	184.77
11 44 19 00-0076	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	19,995.01	184.77
11 44 19 00-0077	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT)	27,096.33	184.77
11 44 19 00-0078	EA	125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	47,401.92	184.77
11 44 19 00-0079	EA	200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	63,244.87	184.77
11 44 19 00-0080	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12)	24,677.70	184.77
11 44 19 00-0081	EA	12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6)	17,150.84	184.77
11 44 19 00-0082	EA	40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	18,229.22	184.77
11 44 19 00-0083	EA	60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH)	28,409.30	184.77
11 44 19 00-0084	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	21,238.88	184.77
11 44 19 00-0085	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	17,212.67	184.77
11 44 19 00-0086	EA	80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	42,866.53	184.77
11 44 19 00-0087	EA	80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	9,293.02	184.77
11 44 19 00-0088	EA	40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	30,189.63	184.77
11 44 19 00-0089	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T)	13,008.25	184.77
11 44 19 00-0090	EA	100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	32,611.90	184.77
11 44 19 00-0091	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	20,420.54	184.77

11 44 19 00-0092 Steamers, Electric *(11 44 19)*

11 44 19 00-0093 Cooking Equipment/ Steamers *(11 44 19 00-0092)*

11 44 19 00-0094	EA	3 Pan, Electric Countertop Convection Steamer	9,551.95	230.81
11 44 19 00-0095	EA	5 Pan, Electric Countertop Convection Steamer	12,582.39	241.79
11 44 19 00-0096	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer	8,837.46	230.81
11 44 19 00-0097	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer	12,890.89	241.79

11 44 19 00-0098 Braising Pans *(11 44 19)*

11 44 19 00-0099	EA	24" x 24", 240 Volt, Tilting Braising Pan	10,391.22	225.03
11 44 19 00-0100	EA	24" x 31", 240 Volt, Tilting Braising Pan	10,965.54	236.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0101	EA	24" x 41", 240 Volt, Tilting Braising Pan	11,679.15	252.01
11 44 19 00-0102	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	13,546.20	293.45
11 44 19 00-0103	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	14,007.63	302.49
11 44 19 00-0104	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	14,552.32	310.49
11 44 19 00-0105		**Toasters** *(11 44 19)*		
11 44 19 00-0106	EA	Bun Toaster 3.2 KW	2,066.98	52.88
11 44 19 00-0107	EA	Bun Toaster 4.3 KW	2,255.80	57.63
11 44 19 00-0108	EA	Pop-Up Toaster, 2 Slot	631.04	119.03
11 44 19 00-0109	EA	Conveyor Toaster	1,084.45	178.60
11 44 19 00-0110		**Microwave Ovens** *(11 44 19)*		
11 44 19 00-0111	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD)	178.79	11.55
11 44 19 00-0112	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB)	196.09	11.55
11 44 19 00-0113	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS)	253.76	11.55
11 44 19 00-0114	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	322.96	11.55
11 44 19 00-0115	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T)	403.69	11.55
11 44 19 00-0116	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	253.76	11.55
11 44 19 00-0117	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS)	295.86	11.55
11 44 19 00-0118	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE)	521.35	11.55
11 44 19 00-0119	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS)	635.53	11.55
11 44 19 00-0120	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy-Duty Commercial Microwave With Push Button Controls (Amana HDC12A2)	1,331.00	11.55
11 44 19 00-0121	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830)	368.87	11.55
11 44 19 00-0122	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819)	501.80	11.55
11 44 19 00-0123	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90)	386.41	11.55
11 44 19 00-0124	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F)	340.27	11.55
11 44 19 00-0125	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F)	656.29	11.55
11 44 19 00-0126	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025)	305.67	11.55
11 44 19 00-0127	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T)	633.22	11.55
11 44 19 00-0128	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy-Duty Stainless Steel Microwave (Solwave MWHD12)	702.42	11.55
11 44 19 00-0129	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523)	1,176.45	11.55
11 44 19 00-0130	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521)	1,092.26	11.55
11 44 19 00-0131	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS)	1,284.86	11.55
11 44 19 00-0132	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521)	1,204.13	11.55
11 44 19 00-0133	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523)	1,351.76	11.55
11 44 19 00-0134	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180)	3,640.58	11.55
11 44 19 00-0135	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-though Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280)	4,823.92	11.55
11 44 19 00-0136	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS)	1,507.46	11.55
11 44 19 00-0137	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy-Duty, 2 Pan Programmable Microwave (Amana AMSO22)	4,694.17	11.55
11 44 19 00-0138	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana AOC24)	2,898.40	11.55
11 44 19 00-0139	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy-Duty Microwave (Solwave MWHD18)	783.16	11.55
11 44 19 00-0140	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T)	829.29	11.55
11 44 19 00-0141	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy-Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21)	886.96	11.55
11 44 19 00-0142	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC17S2)	2,130.27	11.55
11 44 19 00-0143	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T)	713.96	11.55
11 44 19 00-0144	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana HDC182)	1,559.36	11.55
11 44 19 00-0145	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy-Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815)	1,569.74	11.55
11 44 19 00-0146	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120)	1,464.79	11.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0147	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave (Amana HDC212)	1,632.02	11.55
11 44 19 00-0148	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Panasonic NE-21521)	1,476.32	11.55
11 44 19 00-0149	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC22S2)	2,659.66	11.55
11 44 19 00-0150	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC30S2)	3,490.07	11.55
11 44 19 00-0151		**Ceramic Broiler On Storage Base With Doors** *(11 44 19)*		
11 44 19 00-0152	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	8,561.75	184.49
11 44 19 00-0153	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	8,561.75	184.49
11 44 19 00-0154	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	10,641.28	230.32
11 44 19 00-0155		**Gas Countertop Hot Plate** *(11 44 19)*		
11 44 19 00-0156	EA	2 Burners Gas Countertop Hot Plate	1,091.53	23.50
11 44 19 00-0157		**Food Service Additions** *(11 44 19)*		
11 44 19 00-0158	EA	30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge)	8,064.29	23.24
11 44 19 00-0159	EA	Heavy-Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S)	5,295.84	183.55
11 44 19 00-0160	EA	Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10)	52,285.98	
11 44 19 00-0161	EA	1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS)	1,055.67	12.01
11 44 19 00-0162	EA	1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS)	613.72	12.01
11 44 19 00-0163	EA	48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151)	18,369.76	164.86
11 44 19 00-0164	EA	120 Volt, 14.9 Amperes, 20' W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80)	8,690.96	317.63
11 44 19 00-0165	EA	1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE)	5,922.69	317.63
11 44 19 00-0166	EA	Broiler Less, Programmable, Stainless Steel, Convotherm Electric Oven-streamer (Cleveland OES-10.20)	20,540.57	230.81
11 44 19 00-0167	EA	115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1)	37,486.08	251.75
11 44 19 00-0168	EA	50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL)	32,171.30	129.10
11 44 19 00-0169	EA	Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model)	19,453.14	58.19
11 44 19 00-0170	EA	6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255)	5,201.18	293.06
11 44 19 00-0171	EA	3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT)	294.86	23.89
11 44 19 00-0172	EA	1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7)	10,262.39	324.42
11 44 19 00-0173	EA	20', 3/8" Thick, Stainless Steel, Heavy-Duty Mounting, Tempered Glass (English Mfg. M-107)	13,995.00	12.01
11 44 19 00-0174	EA	1,350 Lb., Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60)	20,009.87	161.67
11 44 19 00-0175	EA	Gas Fired Pasta Cooker (Frymaster GPCRB-SC)	25,112.46	156.22
11 44 19 00-0176	EA	Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH)	1,105.86	5.54
11 44 19 00-0177	EA	5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T)	26,541.69	227.01
11 44 19 00-0178	EA	Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart CLe (BDELRAX-STDDOM))	23,263.12	194.58
11 44 19 00-0179	EA	1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510)	3,650.40	158.27
11 44 19 00-0180	EA	20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200)	11,206.13	274.77
11 44 19 00-0181	EA	Electronic Control, Stainless Steel Dishwasher (Hobart LXi/LXiH new model is Lxeh)	17,921.40	227.01
11 44 19 00-0182	EA	27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012)	3,546.31	59.39
11 44 19 00-0183	EA	Remote Air-Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100)	16,947.48	247.29
11 44 19 00-0184	EA	Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3)	18,604.82	247.29
11 44 19 00-0185	EA	2,400 BTU, 1/3 HP, Air-Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c)	7,470.78	219.82
11 44 19 00-0186	EA	24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743)	1,488.55	92.38
11 44 19 00-0187	EA	3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 41272)	2,147.44	92.38
11 44 19 00-0188	EA	30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,494.98	92.38
11 44 19 00-0189	EA	15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302)	994.38	46.20
11 44 19 00-0190	EA	30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	417.82	69.29
11 44 19 00-0191	EA	22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313)	1,709.22	46.20
11 44 19 00-0192	EA	Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	32,498.36	164.86
11 44 19 00-0193	EA	Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5)	11,355.70	92.38
11 44 19 00-0194	EA	3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy-Duty Range (Montague 136-8)	16,523.48	151.13
11 44 19 00-0195	EA	3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy-Duty Range (Montague C36-8T)	16,599.44	151.13
11 44 19 00-0196	EA	36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R)	38,607.09	109.91
11 44 19 00-0197	EA	24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5)	11,493.69	161.38
11 44 19 00-0198	EA	36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	14,105.06	186.84
11 44 19 00-0199	EA	225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5)	14,105.06	186.84
11 44 19 00-0200	EA	36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	14,105.06	186.84
11 44 19 00-0201	EA	63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A)	32,101.00	219.82
11 44 19 00-0202	EA	Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,315.99	269.82
11 44 19 00-0203	EA	Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,207.84	69.29
11 44 19 00-0204	EA	Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419)	14,133.33	257.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0205	EA	92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDRA-PKG)	30,784.44	194.58
11 44 19 00-0206	EA	3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	18,162.44	46.20
11 44 19 00-0207	EA	52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,638.15	230.81
11 44 19 00-0208	EA	120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D)	1,584.59	230.81
11 44 19 00-0209	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM)	3,880.76	230.81
11 44 19 00-0210	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM)	5,444.69	230.81
11 44 19 00-0211	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM)	6,604.83	230.81
11 44 19 00-0212	EA	Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG)	49,785.91	109.91
11 44 19 00-0213		Other Kettles *(11 44 19)*		
11 44 19 00-0214	EA	20 QT Trunion Kettle With Stand (Groen TDC/320)	4,881.46	129.10
11 44 19 00-0215	EA	40 QT Trunion Kettle With Stand (Groen TDA/140)	7,661.08	129.10
11 44 19 00-0216		Charbroilers *(11 44 19)*		
11 44 19 00-0217	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24)	902.31	92.38
11 44 19 00-0218	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15)	748.25	123.15
11 44 19 00-0219	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC)	520.18	92.38
11 44 19 00-0220	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24)	942.29	105.60
11 44 19 00-0221	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL)	1,552.68	105.60
11 44 19 00-0222	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC)	963.93	123.15
11 44 19 00-0223	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36)	1,235.21	123.15
11 44 19 00-0224	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL)	2,925.71	147.81
11 44 19 00-0225	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBLRBNL)	2,939.27	147.81
11 44 19 00-0226	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL)	1,832.03	123.15
11 44 19 00-0227	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL)	4,173.61	147.81
11 44 19 00-0228	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL)	4,160.04	147.81
11 44 19 00-0229	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL)	3,915.89	147.81
11 44 19 00-0230	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48)	1,670.34	184.77
11 44 19 00-0231	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL)	3,352.29	184.77
11 44 19 00-0232	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG(CPG))	2,063.70	184.77
11 44 19 00-0233	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL)	4,166.13	184.77

11 46 Food Dispensing Equipment *(11 40)*

11 46 13 Bar Equipment *(11 46)*

11 46 13 00-0001 Soft Serve Machines *(11 46 13)*

11 46 13 00-0002	EA	Soft Serve Machines, Medium	13,601.60	129.91
11 46 13 00-0003	EA	Soft Serve Machines, Large	22,942.72	158.71

11 46 13 00-0004 Salad Bars *(11 46 13)*

11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	14,071.67	500.27
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	12,905.75	500.27
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	9,077.52	274.86
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	7,178.81	225.80
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	10,906.10	331.28
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	12,015.47	293.45
11 46 13 00-0011	EA	Salad Bar Tray Fixed	1,715.11	49.70
11 46 13 00-0012	EA	Salad Bar Tray Hinged	1,824.80	49.70

11 46 16 Service Line Equipment *(11 46)*

11 46 16 00-0001 Food Warmer Holding Station *(11 46 16)*

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	763.70	19.52

11 46 16 00-0003 Reach-In Food Warmers *(11 46 16)*

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	1,643.44	42.03
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	3,760.93	96.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0006		**Countertop Food Warmer** *(11 46 16)*		
11 46 16 00-0007	EA	12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	212.03	33.79
11 46 16 00-0008	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	185.58	33.79
11 46 16 00-0009	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	573.22	33.79
11 46 16 00-0010	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	395.22	33.79
11 46 16 00-0011		**Hot Cabinets With Top Wells Electric** *(11 46 16)*		
11 46 16 00-0012	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	8,754.97	184.49
11 46 16 00-0013	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	12,508.53	264.40
11 46 16 00-0014		**Portable Hot Food Units** *(11 46 16)*		
11 46 16 00-0015	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,464.56	
11 46 16 00-0016	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,258.84	
11 46 16 00-0017	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,074.94	
11 46 16 00-0018		**Stationary Hot Food Units** *(11 46 16)*		
11 46 16 00-0019	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,656.75	37.57
11 46 16 00-0020	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,222.60	43.25
11 46 16 00-0021	EA	76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,767.15	55.39
11 46 16 00-0022		**Serving Counters** *(11 46 16)*		
11 46 16 00-0023	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	119.49	44.84
11 46 16 00-0024	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	155.01	68.69
11 46 16 00-0025		**Drop-In Equipment** *(11 46 16)*		
11 46 16 00-0026	EA	Hot Food Well, Rectangular	598.13	142.88
11 46 16 00-0027	EA	Hot Food Well, Circular	549.33	142.88
11 46 16 00-0028	EA	Refrigerated Well, 2 Compartment	1,931.38	142.88
11 46 16 00-0029	EA	Refrigerated Well, 3 Compartment	2,193.52	158.71
11 46 16 00-0030	EA	Refrigerated Well, 4 Compartment	2,491.81	178.60
11 46 16 00-0031	EA	Frost Cold Plate	2,294.26	158.71
11 46 16 00-0032		**Beverage Dispensing** *(11 46 16)*		
11 46 16 00-0033	EA	Coffee Urn, Twin 3 Gallon	3,745.66	231.67
11 46 16 00-0034	EA	Coffee Urn, Twin 6 Gallon	5,334.21	324.30
11 46 16 00-0035	EA	Coffee Brewer, 5 Burner	1,561.47	231.67
11 46 16 00-0036	EA	Hot Chocolate Dispenser	1,516.33	190.82
11 46 16 00-0037	EA	Iced Tea Brewer	2,211.85	190.82
11 46 16 00-0038	EA	Juice Dispenser (Concentrate)	1,610.62	317.20
11 46 16 00-0039	EA	Jet Spray Dispenser	2,282.32	317.53
11 46 16 00-0040	EA	Milk Dispenser, Bulk, 2 Flavor	1,914.19	178.60
11 46 16 00-0041	EA	Milk Dispenser, Bulk, 3 Flavor	2,609.71	178.60
11 46 16 00-0042		**Dish Dispensers** *(11 46 16)*		
11 46 16 00-0043	EA	Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	2,026.89	33.79
11 46 16 00-0044	EA	12" Diameter, Drop-in, Dish Dispenser	763.94	32.98
11 46 16 00-0045	EA	Drop-in, Cup And Glass Dispenser	1,298.40	102.54
11 46 16 00-0046	EA	Drop-in, Disposable Cup Dispenser	473.27	23.10
11 46 16 00-0047		**Tray And Silver Dispensers** *(11 46 16)*		
11 46 16 00-0048	EA	Tray And Silver Dispensers Mobile	2,989.35	23.10
11 46 16 00-0049		**Condiment Dispensers** *(11 46 16)*		
11 46 16 00-0050	EA	Butter Pat Dispenser	172.43	28.91
11 46 16 00-0051	EA	Bread Dispenser, Counter Top	492.13	28.91
11 46 16 00-0052		**Sandwich Rack Warmer** *(11 46 16)*		
11 46 16 00-0053	EA	18 Compartment, 2 Tier Sandwich Rack Warmer	3,789.96	155.81
11 46 16 00-0054		**Mobile Bread Counter** *(11 46 16)*		
11 46 16 00-0055	EA	Mobile Bread And Roll Counter	8,697.41	350.26
11 46 16 00-0056		**Open Service Stand** *(11 46 16)*		
11 46 16 00-0057	EA	6' Open Service Stand	3,334.70	115.55
11 46 16 00-0058	LF	Each Additional Foot Over 6 Foot Add	456.19	15.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0059		**Mobile Serving Stand Unit** *(11 46 16)*		
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit	2,913.54	110.51
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit	4,787.19	165.64
11 46 16 00-0062		**Reach-In Heated Cabinets** *(11 46 16)*		
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment	5,857.32	183.22
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment	8,441.10	230.48
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	6,131.87	183.22
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment	8,840.11	230.48
11 46 16 00-0067		**Mobile Heated Cabinets** *(11 46 16)*		
11 46 16 00-0068	EA	Mobile, Heated Cabinet	6,582.60	57.73
11 46 16 00-0069		**Smoothie Machine** *(11 46 16)*		
11 46 16 00-0070	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	374.79	33.79
11 46 16 00-0071	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	330.43	33.79
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	397.55	33.79
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	408.93	33.79
11 46 16 00-0074	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	223.19	33.79
11 46 16 00-0075		**Refrigerated Buffet Display Table** *(11 46 16)*		
11 46 16 00-0076	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	3,527.26	33.79
11 46 16 00-0077	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	4,669.93	33.79
11 46 16 00-0078	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	5,393.80	33.79
11 46 16 00-0079	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	6,315.27	33.79
11 46 16 00-0080		**Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0081	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	1,938.98	23.10
11 46 16 00-0082	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	2,223.03	23.10
11 46 16 00-0083	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	2,229.58	26.42
11 46 16 00-0084	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB)	2,418.94	26.42
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW)	2,418.94	26.42
11 46 16 00-0086	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB)	3,098.93	26.42
11 46 16 00-0087	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	3,098.93	26.42
11 46 16 00-0088	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	3,900.98	30.76
11 46 16 00-0089	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN)	4,957.08	30.76
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	3,900.98	30.76
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW)	4,957.08	30.76
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW)	4,131.83	30.76
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	4,131.83	30.76
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN)	4,131.83	30.76
11 46 16 00-0095	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN)	4,391.00	30.76
11 46 16 00-0096	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW)	5,581.92	30.76
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW)	4,391.00	30.76
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD)	5,257.12	30.76
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN)	5,581.92	30.76
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	5,912.68	30.76
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW)	4,650.78	30.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD)	5,568.50	30.76
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN)	5,912.68	30.76
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN)	4,650.78	30.76
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW)	6,117.57	30.76
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD)	5,761.46	30.76
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN)	6,117.57	30.76
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN)	6,117.57	30.76
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD)	6,103.26	30.76
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB)	1,959.95	33.62
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW)	6,486.39	33.62
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW)	5,101.92	33.62
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW)	5,251.46	30.76
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN)	2,385.04	33.62
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN)	6,699.94	33.62
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN)	6,699.94	33.62
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN)	6,699.94	33.62
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN)	5,454.80	33.62
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN)	8,065.33	33.62
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN)	8,065.33	33.62
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN)	8,065.33	33.62
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN)	6,269.70	33.62
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN)	8,192.08	33.62
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN)	15,464.53	33.62
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN)	15,464.53	33.62
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN)	8,566.27	36.95
11 46 16 00-0127		**Dry Bakery Display Case** *(11 46 16)*		
11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B)	1,695.01	23.10
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W)	1,695.01	23.10
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B)	1,878.31	23.10
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W)	1,878.31	23.10
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B)	2,159.82	26.42
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W)	2,572.25	26.42
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B)	2,517.26	26.42
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W)	2,517.26	26.42
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN)	5,274.27	30.76
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW)	10,486.93	30.76
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN)	6,373.53	36.95
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD)	5,115.35	33.62
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD)	5,115.35	33.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD)	5,115.35	33.62
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD)	5,115.35	33.62
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD)	5,320.19	33.62
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD)	5,320.19	33.62
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD)	5,752.20	36.95
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD)	5,752.20	36.95
11 46 16 00-0147		Dual Dry/Refrigerated Bakery Display Case *(11 46 16)*		
11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON)	16,788.26	33.62
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN)	16,788.26	33.62
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN)	16,788.26	33.62
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN)	16,795.00	36.95
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN)	17,239.25	36.95
11 46 16 00-0153		Refrigerated Deli Case *(11 46 16)*		
11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN)	7,928.18	123.15
11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN)	7,928.18	123.15
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN)	9,077.97	123.15
11 46 16 00-0157	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN)	9,077.97	123.15
11 46 16 00-0158	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB)	1,873.52	73.91
11 46 16 00-0159	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS)	2,036.73	73.91
11 46 16 00-0160	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW)	1,873.52	73.91
11 46 16 00-0161	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB)	2,125.23	92.38
11 46 16 00-0162	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS)	2,305.62	92.38
11 46 16 00-0163	EA	32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW)	2,496.08	123.15
11 46 16 00-0164	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB)	2,496.08	123.15
11 46 16 00-0165	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS)	2,813.91	123.15
11 46 16 00-0166	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW)	2,186.85	123.15
11 46 16 00-0167	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB)	2,719.42	123.15
11 46 16 00-0168	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW)	2,719.42	123.15
11 46 16 00-0169	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS)	2,985.71	123.15
11 46 19		**Soda Fountain Equipment** *(11 46)*		
11 46 19 00-0001		Carbonated Beverage Dispensing *(11 46 19)*		
11 46 19 00-0002	EA	Carbonated Beverage Dispenser	4,087.52	446.56
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 Lb. Ice	6,494.45	510.30
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 Lb. Ice	11,951.92	714.39
11 46 19 00-0005		Beverage Chilling Systems *(11 46 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 19 00-0006	EA	Beverage Chiller, Small	8,337.93	398.10
11 46 19 00-0007	EA	Beverage Chiller, Large	15,591.27	597.20

11 46 83 Ice Machines *(11 46)*

11 46 83 00-0001 Undercounter Ice Machines With Bin *(11 46 83)*

11 46 83 00-0002	EA	53 Lb./Day, Air-Cooled Undercounter Octagonal Cube Ice Machine With 25 Lb. Capacity Bin (Manitowoc SM-50A 115/60/1)	2,420.27	23.10
11 46 83 00-0003	EA	85 Lb./Day, Air-Cooled Undercounter Pearl/Nugget Ice Machine With 22 Lb. Capacity Bin (Ice-O-Matic GEMU090)	3,906.12	192.33
11 46 83 00-0004	EA	137 Lb./Day, Air-Cooled Undercounter Half Dice Cube Ice Machine With 90 Lb. Capacity Bin (Manitowoc UYF0140A)	2,980.77	192.33
11 46 83 00-0005	EA	100 Lb./Day, Undercounter, Air-Cooled Ice Machine With 57 Lb. Capacity Bin (Scotsman CU0920MA)	2,910.00	192.33
11 46 83 00-0006	EA	227 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2024SA)	3,134.50	206.08
11 46 83 00-0007	EA	282 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2724SA)	3,503.59	206.08

11 46 83 00-0008 Ice Cube Maker *(11 46 83)*

11 46 83 00-0009	EA	320 Lb./Day, Modular Ice Maker Without Bin	4,228.00	206.08
11 46 83 00-0010	EA	451 Lb./Day, Modular Ice Maker Without Bin	4,594.91	219.82
11 46 83 00-0011	EA	600 Lb./Day, Modular Ice Maker Without Bin	5,263.97	219.82
11 46 83 00-0012	EA	901 Lb./Day, Modular Ice Maker Without Bin	7,534.54	233.55
11 46 83 00-0013	EA	1301 Lb./Day, Modular Ice Maker Without Bin	8,553.09	233.55
11 46 83 00-0014	EA	1601 Lb./Day, Modular Ice Maker Without Bin	10,314.62	247.29
11 46 83 00-0015	EA	1900 Lb./Day, Modular Ice Maker Without Bin	11,397.05	247.29

11 46 83 00-0016 Ice Flakers *(11 46 83)*

11 46 83 00-0017	EA	300 Lb./Day, Ice Flakers	6,374.83	648.82
11 46 83 00-0018	EA	600 Lb./Day, Ice Flakers	11,535.60	1,038.12
11 46 83 00-0019	EA	1,000 Lb./Day, Ice Flakers	14,274.27	1,427.42
11 46 83 00-0020	EA	2,000 Lb./Day, Ice Flakers	17,421.97	1,557.19

11 46 83 00-0021 Ice Storage Bins *(11 46 83)*

11 46 83 00-0022	EA	260 Lb. Capacity, Stainless Steel Ice Storage Bin	1,676.29	138.58
11 46 83 00-0023	EA	360 Lb. Capacity, Stainless Steel Ice Storage Bin	1,839.83	138.58
11 46 83 00-0024	EA	550 Lb. Capacity, Stainless Steel Ice Storage Bin	2,299.02	150.12
11 46 83 00-0025	EA	660 Lb. Capacity, Stainless Steel Ice Storage Bin	2,480.74	150.12
11 46 83 00-0026	EA	1,150 Lb. Capacity, Stainless Steel Ice Storage Bin	4,775.19	161.67

11 48 Foodservice Cleaning and Disposal Equipment *(11 40)*

11 48 13 Commercial Dishwashers *(11 48)*

11 48 13 00-0001 Sprays And Hoses *(11 48 13)*

11 48 13 00-0002 Sprays, Fillers *(11 48 13 00-0001)*

11 48 13 00-0003	EA	Pre-Rinse Spray	494.40	94.63
11 48 13 00-0004	EA	Kettle Fillers	433.39	94.63

11 48 13 00-0005 Hoses *(11 48 13 00-0001)*

11 48 13 00-0006	EA	Hose Reel	593.28	113.61
11 48 13 00-0007	EA	Wash-Down Hose	471.26	113.61
11 48 13 00-0008	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,496.70	

11 48 13 00-0009 Rack Type Dishwasher *(11 48 13)*

11 48 13 00-0010	EA	Dishwasher, 1 Tank And 190 To 230 Racks/Hour	26,189.87	1,102.61
11 48 13 00-0011	EA	Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	42,536.75	1,362.05
11 48 13 00-0012	EA	Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	50,830.75	1,556.63

11 48 13 00-0013 Undercounter Type Dishwasher *(11 48 13)*

11 48 13 00-0014	EA	High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,550.94	227.01
11 48 13 00-0015	EA	1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Noble WF-UL30-NO-115)	4,889.81	184.77
11 48 13 00-0016	EA	1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Jackson DISHSTAR LT UNDERCOUNTER)	7,369.01	184.77
11 48 13 00-0017	EA	1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, High Temperature Undercounter Dishwasher (Noble WF-UH30-FND-NO)	5,248.43	184.77
11 48 13 00-0018	EA	1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, High Temperature Undercounter Dishwasher (Jackson DISHSTAR HT)	7,682.42	184.77
11 48 13 00-0019	EA	0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230V, 1 Phase, Energy Efficient High Temperature Undercounter Dishwasher (Jackson DISHSTAR HTE)	7,994.27	184.77
11 48 13 00-0020	EA	0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson DSTR HT-SEER)	9,222.96	184.77
11 48 13 00-0021	EA	0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson TEMPSTAR-HH VER)	21,210.48	184.77
11 48 13 00-0022	EA	0.74 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher (Hobart LXEH-2)	11,920.73	184.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0023	EA	0.62 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher With Energy Recovery (Hobart LXER-2)	12,777.92	184.75
11 48 13 00-0024		**Exhaust Hood Dishwasher** *(11 48 13)*		
11 48 13 00-0025	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,650.13	275.97
11 48 13 00-0026	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	4,502.00	331.17
11 48 13 00-0027		**Dish Tables** *(11 48 13)*		
11 48 13 00-0028	LF	Clean/Soiled Dish Table, Basic	307.90	49.81
11 48 13 00-0029	LF	Clean/Soiled Dish Table With Trough	483.61	74.65
11 48 13 00-0030	LF	Clean/Soiled Dish Table, Maximum	586.82	99.49
11 48 13 00-0031		**Commercial Dishwashers** *(11 48 13)*		
11 48 13 00-0032	EA	1.16 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, Single Rack, Low Temperature Glass Washer/Dishwasher (Noble WF-DG-E-NO 115/1)	5,911.14	492.69
11 48 13 00-0033	EA	1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Dishwasher (Noble WF-HT180-D-7-NO)	9,957.37	184.77
11 48 13 00-0034	EA	1.02 Gallons Per Rack, 120 Degrees Fahrenheit, 115 Volt, Single Rack, Low Temperature Door-Type Dish Machine (Noble WF-I-E-NO 115)	5,236.34	568.54
11 48 13 00-0035	EA	2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 115 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG-115-NO)	6,137.21	184.77
11 48 13 00-0036	EA	2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 208 To 230 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG NOBLE LABEL)	6,137.21	184.77
11 48 13 00-0037	EA	1.61 Gallons Per Rack, 140 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble 1-HH-NO)	5,906.82	568.54
11 48 13 00-0038	EA	1.36 Gallons Per Rack, 140 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Functionality, High Temperature Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO)	12,518.04	568.54
11 48 13 00-0039	EA	1.561 Gallons Per Rack, 145 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble WF-I-E-A-LTH-NO)	7,528.44	568.54
11 48 13 00-0040	EA	1.02 Gallons Per Rack, 145 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Benefit, Low Temperature Door Type Dishwasher (Noble WF-IE-LTH-NO)	7,356.92	568.54
11 48 13 00-0041	EA	0.75 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, Door Type Dishwasher High Hood With Electric Booster Heater (Jackson TEMPSTAR-HH)	17,590.28	568.54
11 48 13 00-0042	EA	1.17 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 115 Volt, Double Rack Low Temperature Dishwasher (Noble WF-II-NO)	7,372.51	568.54
11 48 13 00-0043	EA	1.36 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 3 Phase, High Temperature Dual Functionality Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO)	12,518.04	568.54
11 48 13 00-0044	EA	60 Second Wash Cycle Time, 8 Gallon Tank, Single Cycle, Select Single Rack High/Low Temperature, Straight/Corner Dishwasher (Noble HT-180EC1)	8,167.73	568.54
11 48 13 00-0045	EA	4 Cycles, 40 Racks Per Hour, 60 To 360 Second Wash Cycle Time, 14 Gallon, 208-240 Volt, 1 Phase, Ventless High Temperature Dishwasher With Booster Heater (Hobart AM15VL-6)	28,955.49	568.54
11 48 13 00-0046	EA	208-240 Volt, 3 Phase, Ventless, Tall High Temperature Dishwasher With Booster Heater (Hobart AM15VLT-2)	34,235.83	568.54
11 48 13 00-0047	EA	208/230 Volt, 3 Phase, 0.89 Gallons Per Rack, 110 Degrees Fahrenheit, Multi Cycle, High Temperature Dishwasher (Noble WF-HT180-A-7-NO)	10,724.90	568.54
11 48 16		**Foodservice Disposal Equipment** *(11 48)*		
11 48 16 00-0001		**Garbage Disposals** *(11 48 16)*		
		Note: Manual switch.		
11 48 16 00-0002	EA	1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,696.10	175.12
11 48 16 00-0003	EA	3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,135.71	181.61
11 48 16 00-0004	EA	1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,992.54	194.58
11 48 16 00-0005	EA	1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,292.30	188.09
11 48 16 00-0006	EA	2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,261.69	214.04
11 48 16 00-0007	EA	3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	4,590.34	233.50
11 48 16 00-0008	EA	5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	5,480.35	259.43
11 48 16 00-0009	EA	7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	7,623.30	278.89
11 48 16 00-0010	EA	10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	10,034.34	291.86
11 48 16 00-0011		**Pulper/Extractors** *(11 48 16)*		
11 48 16 00-0012	EA	5 HP, Pulper/Extractor, Close-Coupled	6,661.98	270.20

11 50 Educational and Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001		**Screens** *(11 52 13 13)*		
11 52 13 13-0002		**Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)** *(11 52 13 13-0001)*		
11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	427.55	94.96
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	509.47	122.08
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	645.64	169.56
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	747.92	203.47
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	1,158.02	305.21
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	1,363.61	339.12
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	981.68	217.04
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	1,124.64	271.30
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	606.01	115.30
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	838.73	162.77
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	913.86	183.13
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	975.43	196.68
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	1,125.69	237.39
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	921.17	169.56
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	1,044.31	196.68
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0018 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*

11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	991.65	122.08
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	1,162.26	169.56
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	1,353.22	230.60
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	1,571.31	305.21
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	1,722.65	311.99
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	1,845.78	339.12
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	1,880.22	339.12
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	2,024.24	359.47
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	2,168.27	379.81
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	2,325.84	406.95
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	2,601.37	406.95
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	3,010.43	542.59
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0031 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*

Note: With controlled screen return.

11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,851.08	169.56
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,076.48	230.60
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,294.57	305.21
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,411.47	311.99
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,569.04	339.12
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,603.48	339.12
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,747.50	359.47
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,809.08	373.03
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,152.42	406.95
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,462.39	406.95
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,940.34	542.59
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,617.42	152.60
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,678.92	169.56
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,799.18	203.47
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,239.93	305.21
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,319.72	311.99
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,525.72	339.12
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,594.70	339.12
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,774.63	362.86
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,993.41	379.81
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,138.72	406.95
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,262.88	406.95
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,749.40	542.59

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed or recessed installation without doors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,665.41	406.95
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,212.23	542.59
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,932.17	610.41
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,412.23	678.23
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	10,027.93	813.88
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,196.80	881.71
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,262.36	949.53
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,951.18	949.53
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,945.74	1,085.18
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,918.85	881.71
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,670.21	1,085.18
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	14,285.91	1,220.83
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,743.32	949.53
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	17,730.01	1,220.83

11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,156.74	152.60
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,293.97	169.56
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,430.68	203.47
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,875.23	305.21
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,957.68	311.99
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,218.58	339.12
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,425.22	339.12
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,576.02	362.86
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,782.15	379.81
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,974.16	406.95
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,043.05	406.95
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,658.76	542.59
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,277.64	576.50
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,689.87	610.41
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,583.22	678.23
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	11,026.72	813.88

11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,109.73	152.60
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,225.77	186.52
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,290.68	203.47
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,594.02	305.21
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,638.59	311.99
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,823.72	339.12
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,006.25	339.12
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,298.26	362.86
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,380.40	379.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,582.75	406.95
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,580.63	474.76
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	7,198.46	542.59
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,981.45	576.50
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,376.46	610.41
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,149.27	678.23
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,565.21	813.88
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,510.21	881.71
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	12,221.03	949.53
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	12,723.87	949.53
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	14,069.73	1,085.18
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,290.68	203.47
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,526.20	271.30
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,625.02	305.21
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,414.84	379.81
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,866.49	474.76
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,511.99	610.41
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,045.03	746.06
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	15,904.10	1,017.36
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,543.42	271.30
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,676.68	305.21
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,817.26	325.56
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,902.52	352.68
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,249.53	379.81
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,735.62	474.76
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,419.00	610.41
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,730.41	746.06
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,809.85	881.71

11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,114.50	152.60
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,214.63	169.56
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,332.12	203.47
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,706.65	305.21
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,775.41	311.99
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,948.30	339.12
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,133.17	339.12
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,299.29	362.86
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,421.51	379.81
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,616.48	406.95
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,806.86	406.95
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,238.20	542.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0139		Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)*		
		Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	15,759.94	339.12
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	16,859.94	406.95
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	19,608.88	610.41
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	24,699.80	813.88
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	27,381.96	949.53
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	16,724.29	339.12
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	18,272.02	406.95
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	19,337.58	474.76
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)	24,292.86	610.41
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0149		Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)*		
		Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	4,901.74	339.12
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	6,143.42	373.03
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	7,032.94	406.95
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	12,617.86	440.86
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	13,976.92	13,502.15
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	15,521.19	542.59
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	19,882.70	610.41
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	26,826.68	678.23
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	30,014.33	746.06
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	40,127.70	813.88
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	82.34	10.18
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	116.78	10.85
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	137.45	12.21
11 52 13 13-0165		Electric Powered Screen Accessories *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	857.04	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	1,235.89	
11 52 13 13-0168		Relocate Existing Fixed Projection Screen *(11 52 13 13)*		
11 52 13 13-0169	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,994.82	
11 52 13 16		**Portable Projection Screens** *(11 52 13)*		
11 52 13 16-0001		Motion Picture Screen And Case *(11 52 13 16)*		
11 52 13 16-0002	SF	Screen, Riser Projection With Anodized Aluminum Frame	54.98	4.89
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		Projectors *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	1,414.13	67.82
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,637.86	67.82
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	2,165.24	67.82
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,411.75	67.82
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,971.09	67.82
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	5,041.82	67.82
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	8,014.28	67.82
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	10,858.90	67.82
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	16,116.65	67.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		
11 52 16 26-0012		Universal Projector Mounts *(11 52 16 26-0011)*		
		Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	314.88	74.58
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	513.27	74.58
11 52 16 26-0015		Projector Mount Components *(11 52 16 26-0011)*		
		Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		Ceiling Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	114.98	33.90
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	155.70	33.90
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	215.97	33.90
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	268.20	33.90
11 52 16 26-0021		Projector Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	394.24	33.90
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	868.90	33.90
11 52 16 26-0024		Threaded Extension Columns For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	68.05	10.17
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	88.15	10.17
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	95.68	10.17
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	100.70	10.17
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	120.04	13.56
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	145.15	13.56
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	185.33	13.56
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	212.96	13.56
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	249.87	16.95
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	285.03	16.95
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	316.92	20.34
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	331.99	20.34
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	139.37	16.95
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	214.71	16.95
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	219.74	16.95
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	227.27	16.95
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	246.61	20.34
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	259.16	20.34
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	286.79	20.34
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	311.90	20.34
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	346.30	23.73
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	371.42	23.73
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	405.82	27.12
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	423.40	27.12
11 52 19		**Players and Recorders *(11 52)***		
11 52 19 00-0001		Mounts *(11 52 19)*		
11 52 19 00-0002	EA	50 Lb. Load Capacity VCR Mount (Peerless DS25)	137.34	16.95
11 52 19 00-0003	EA	80 Lb. Load Capacity Articulating Wall Arm For 22" To 40" Flat Screen TV (Peerless PA740)	199.39	20.34
11 53		**Laboratory Equipment *(11 50)***		
11 53 43		**Service Fittings and Accessories *(11 53)***		
11 53 43 00-0001		Outlet And Valves *(11 53 43)*		
11 53 43 00-0002	EA	Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	1,103.38	
11 53 43 00-0003		Test And Certify *(11 53 43)*		
11 53 43 00-0004	EA	Test And Certify Medical Gas Port	64.88	
11 53 43 00-0005		Install Owner Furnished Material *(11 53 43)*		
11 53 43 00-0006	LF	Install Owner Furnished Steel Base Cabinet	150.57	
11 53 43 00-0007	LF	Install Owner Furnished Steel Wall Cabinet	180.81	
11 53 43 00-0008	LF	Install Owner Furnished Wood Base Cabinet	127.51	
11 53 43 00-0009	LF	Install Owner Furnished Wood Wall Cabinet	153.28	
11 53 43 00-0010	LF	Install Owner Furnished Plastic Base Cabinet	105.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 43 00-0011	LF	Install Owner Furnished Plastic Wall Cabinet	126.29	

11 70 Healthcare Equipment *(11)*

11 71 Medical Sterilizing Equipment *(11 70)*

11 71 00 00-0001 Steam Sterilizers *(11 71)*

11 71 00 00-0002	EA	6 Full-Size Cassette Capacity, 120 Instruments In 40 Minutes Start-To-Dry, Automated Instrument Washing Sterilizer (SciCan HYDRIM® C61w G4) Note: Water consumption per cycle = Regular Wash + Dry: 26 mins + 10 mins, Heavy-Duty Wash + Dry: 30 mins + 10 mins, Rinse and Hold: 5 mins.	9,840.12	123.15
11 71 00 00-0003	EA	23.6" Length x 16.1" Width x 7.5" Height, Cycle Time 9 Minutes Unwrapped, 17.5 Minutes Wrapped, 3.5" Touchscreen, Fresh Steam Distilled Water, Autoclave Sterilizer (SciCan STATIM® 5000 G4)	10,793.60	21.69
11 71 00 00-0004	EA	19.5" Length x 16.25" Width x 6" Height, Cycle Time 6 Minutes Unwrapped, 14 Minutes Wrapped, Fresh Clean Distilled Water For Each Cycle, Autoclave Sterilizer (SciCan STATIM® 2000 G4)	8,934.03	21.69
11 71 00 00-0005	EA	Ultra-fast 35 Minute Cycle Start To Dry, Autoclave Sterilizer (SciCan Bravo W#AJP00B0000)	11,430.20	21.69
11 71 00 00-0006	EA	Ultra-fast 28 Minute Cycle Start To Dry, Tabletop Autoclave Sterilizer (SciCan Bravo MA320011)	13,851.04	21.69

11 71 00 00-0007 Steam Generator *(11 71)*

11 71 00 00-0008	EA	Steam Generator, Electric 10 KW To 180 KW	149,981.14	1,297.18

11 72 Examination and Treatment Equipment *(11 70)*

11 72 13 Examination Equipment *(11 72)*

11 72 13 00-0001 Wall Mounted Medical Furnishings *(11 72 13)*

11 72 13 00-0002	EA	20" Wide, 15" High, 3" Deep, Aluminum Wall Mounted Folding Medical Desk	514.12	50.85
11 72 13 00-0003	EA	20" Wide, 15" High, 3" Deep, Painted Steel Wall Mounted Folding Medical Desk	536.56	50.85
11 72 13 00-0004	EA	20" Wide, 15" High, 3" Deep, Stainless Steel Wall Mounted Folding Medical Desk	603.78	50.85
11 72 13 00-0005	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Double Glove Box Holder	237.98	50.85
11 72 13 00-0006	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Quad Glove Box Holder	284.61	50.85
11 72 13 00-0007	EA	13-1/2" Wide, 10" High, 3-1/2" Deep, Locking Stainless Steel Wall Mounted Specimen Cup Retrieval Box	675.51	50.85
11 72 13 00-0008	EA	12" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Bedpan Storage Rack	209.28	50.85
11 72 13 00-0009	EA	28" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Double Bedpan Storage Rack	277.02	54.24
11 72 13 00-0010	EA	12" Wide, 24" High, 5-1/4" Deep, Stainless Steel Wall Mounted Vertical Double Bedpan Storage Rack	260.89	54.24
11 72 13 00-0011	EA	12-1/4" Wide, 8" High, 4-3/4" Deep, Acrylic Infection Prevention Station Note: Space for sanitizer, disposable masks, tissues	218.26	50.85
11 72 13 00-0012	EA	11-1/2" Wide, 12" High, 6" Deep, Lockable Two Sides Heavy-Duty Stainless Steel Narcotics Cabinet	960.46	67.80
11 72 13 00-0013	EA	11-1/2" Wide, 12" High, 6" Deep, Heavy-Duty Stainless Steel Narcotics Cabinet	960.46	67.80
11 72 13 00-0014	EA	11-1/2" Wide, 12" High, 6" Deep, Lockable One Side, Heavy-Duty Stainless Steel Pass-Thru Narcotics Cabinet	960.46	67.80
11 72 13 00-0015	EA	15-1/2" Wide, 6" High, 6" Deep, Acrylic Suture Rack - Single Tier - 6 Box Capacity	191.51	33.90
11 72 13 00-0016	EA	15-1/2" Wide, 12-1/4" High, 6" Deep, Acrylic Suture Rack - Single Tier - 12 Box Capacity	235.95	37.29
11 72 13 00-0017	EA	15-1/2" Wide, 18" High, 6" Deep, Acrylic Suture Rack - Single Tier - 18 Box Capacity	332.39	40.68

11 72 13 00-0018 Diagnostic Wall Board *(11 72 13)*

11 72 13 00-0019	EA	Diagnostic Wall Board With Macroview Otoscope, Coaxial Ophthalmoscope And Wall Transformer (Welch Allyn 77792-MNOBP)	1,987.57	67.80
11 72 13 00-0020	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP And Wall Transformer (Welch Allyn 77792-M)	2,231.44	67.80
11 72 13 00-0021	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry And Wall Transformer (Welch Allyn 77791-MX)	2,750.98	67.80
11 72 13 00-0022	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry, Throat Illuminator And Wall Transformer (Welch Allyn 77795-MX)	2,976.78	67.80

11 72 13 00-0023 Sharps Containers *(11 72 13)*

11 72 13 00-0024	EA	3 Quart, Wall Mounted, Disposable Sharps Containers Note: The rotating cylinder top permits convenient, one-handed disposal of sharps. The rotating lid automatically drops needles and syringes in a horizontal position to maximize capacity. Lid remains closed when not in use. A built-in needle key permits the safe removal of needles when necessary.	288.64	
11 72 13 00-0025	EA	2 Gallon, Wall Mounted, Disposable Sharps Containers Note: Provides open access for disposal of a variety of shapes and sizes of sharps, (i.e. needles and syringes, vials, test tubes, and glass slides). The lid features a needle key for the safe removal of needles.	372.82	
11 72 13 00-0026	EA	3 Gallon, Wall Mounted, Disposable Sharps Containers Note: Has a dual-purpose lid, which allows the container to remain open for code situations or in a free-fall position for normal, one-handed operation. Lid features a needle key for safe removal of needles when necessary.	329.80	
11 72 13 00-0027	EA	1 Quart, Wall Mounted, Disposable Phlebotomy Container Note: Has an opening to safely place the blood tube holder with needle while attending a patient Once full, the lids can be locked, & the container is ready for safe disposal One-quart capacity, is puncture resistant, fully disposable, may be autoclaved or incinerated for final disposal.	530.01	
11 72 13 00-0028	EA	5 Quart, Wall Mounted, Locking Sharps Disposal Cabinet	155.56	33.90
11 72 13 00-0029	EA	5 Quart, Wall Mounted, Combination Sharps Disposal And Glove Box Container	143.69	33.90

11 72 13 00-0030 Exam Room Supplies *(11 72 13)*

11 72 13 00-0031	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 12", Wall Mounted (Medline MDS193094)	52.78	
11 72 13 00-0032	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 8", Wall Mounted (Medline MDS192094B)	53.97	
11 72 13 00-0033	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 4", Wall Mounted (Medline MDS191094)	42.62	

11 72 13 00-0034 Medical Warming Cabinets *(11 72 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 72 13 00-0035	EA	9.02 CF, Warming Cabinet With Single Glass Door (Blickman 7922TG)	9,467.62	61.62
11 72 13 00-0036	EA	22.02 CF, Warming Cabinet With Single Stainless Steel Door (Blickman 791TS)	11,519.06	61.62
11 72 13 00-0037		**Surgical Tables** *(11 72 13)*		
11 72 13 00-0038	EA	79" Length x 20" Width, 1,000 Lb. Weight Capacity, Self-leveling, Four Point Brake System, Manually-operated Head Section, General Surgical Table (Skytron 3500HD)	24,454.86	123.15
11 72 13 00-0039	EA	81.6" Length x 20" Width, 1,200 Lb. Weight Capacity, 600 Lb Full Articulation, Reverse Orientation, General Surgical Table (Steris Amsco 5085 5085)	62,112.48	123.15
11 72 13 00-0040	EA	87.165" Length x 27.5" Width, 400 Lb. Anatomic Position Weight Capacity, 300 Lb Reverse Orientation, OrthoVision Surgical Table (Steris Amsco OrthoVision)	22,661.64	123.15
11 72 13 00-0041	EA	79" Length x 19.75" Width, 1,000 Lb. Articulate Capacity, 1,200 Lb Lift Capacity, AC Or Battery Power Operation, General Surgical Table (Skytron 6701)	45,067.92	123.15
11 72 13 00-0042		**Examination Tables** *(11 72 13)*		
11 72 13 00-0043	EA	58" Length x 28-1/2" Width x 31" Height, 400 Lb., Plywood And Laminate Frame, Family Practice Exam Table (Clinton 8870)	1,985.16	92.38
11 72 13 00-0044	EA	72" Length x 24" Width x 30" Height, 300 Lb. Weight Capacity, 3-Section, Drawer And Sliding Doors, Wooden Exam Table With Enclosed Cabinet (FEI 15-1073)	1,931.37	92.38
11 72 13 00-0045	EA	110 Volt, 76" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Table With Adjustable Backrest And Drop Section (Clinton 80330)	4,074.26	92.38
11 72 13 00-0046	EA	72" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Table With Adjustable Backrest (Clinton 80200)	3,724.59	92.38
11 72 13 00-0047	EA	72" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Imaging Table With Drop Window (Clinton 85100)	5,186.06	92.38
11 72 13 00-0048	EA	76" Length x 27" Width x 21-1/2-37-1/2" Height, 550 Lb. Weight Capacity, General Power Ultrasound Table With 3-Section Top (Clinton 80063)	8,094.66	92.38
11 72 13 00-0049		**Specimen Pass Through Cabinet** *(11 72 13)*		
11 72 13 00-0050	EA	11-1/4" x 10-9/16" x 6", 22 Gauge Stainless Steel, Specimen Pass Through Cabinet (Bobrick B-505)	662.32	45.15
11 72 13 00-0051	EA	13-1/2" x 13-1/2" x 7", 304 Stainless Steel, Heavy-Duty Recess Mounted Interlocking Pass Through Cabinet (Bobrick B-50516)	847.38	45.15
11 72 13 00-0052	EA	13-1/2" x 13-1/2" x 11", 304 Stainless Steel, Heavy-Duty Recess Mounted Interlocking Pass Through Cabinet (Bobrick B-50517)	937.86	45.15
11 72 63		**Refrigerated Heathcare Storage Equipment** *(11 72)*		
11 72 63 00-0001		**Healthcare Pharmaceutical Refrigerators** *(11 72 63)*		
11 72 63 00-0002	EA	24" Width x 24.5" Depth x 33.375" Height, 1 Degree Celsius Temperature Range, Counter Height, Pharmaceutical Refrigerator (American Bio Tech Supply PH-ABT-HC-UCBI-0404SS)	1,482.36	23.10
11 72 63 00-0003	EA	17.75" Width x 19.5" Depth x 28 7/8" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (ABS Premier PH-ABT-HC-UCFS-0204G)	1,461.14	23.10
11 72 63 00-0004	EA	17.5" Width x 19.75" Depth x 21.5" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (Accucold ARG1PVDL2B)	1,402.67	23.10
11 72 63 00-0005	EA	17 3/4" Width x 19.5" Depth x 28 7/8" Height, 1 To 10 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (LabRepCo LHP-3-UR Futura)	1,352.90	23.10
11 72 63 00-0006	EA	17 3/4" Width x 22 3/4" Depth x 30 3/4" Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (American Biotech PH-ABT-HC-UCBI-0204)	1,289.15	23.10
11 72 63 00-0007	EA	27" Width x 31 1/4" Depth x 83 1/4' Height, 31 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Upright Pharmaceutical Refrigerator (Arctic Air AGR23)	2,111.07	52.75
11 72 63 00-0008	EA	27" Width x 31 5/8" Depth x 78 1/4' Height, Negative 1 To Plus 10 Degrees Celsius Temperature Range, Glass Door, Laboratory, Pharmaceutical Refrigerator (ABS Premier ABT-HCPP-23G)	8,339.85	52.75
11 72 63 00-0009	EA	29" Width x 32 1/4" Depth x 82 1/2' Height, 33 To 40 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Avantco A-23R-G-HC)	1,996.41	52.75
11 72 63 00-0010	EA	26.8" Width x 32.7" Depth x 82.3' Height, 33 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Empura E-KB27RG)	2,053.36	52.75
11 72 63 00-0011	EA	26-1/2" Width x 35-1/2" Depth x 83" Height, 25 CF, 4 Degrees Celsius, Hinged Glass Door, Laboratory Refrigerator (TemPure Scientific LP-22HG-TP)	6,409.93	105.60
11 72 63 00-0012		**Healthcare Blood Bank Refrigerators** *(11 72 63)*		
11 72 63 00-0013	EA	25 CF, 4 Degree C Hinged Glass Door, Blood Bank Refrigerator (TemPure Scientific)	11,699.38	105.60
11 72 63 00-0014	EA	50 CF, 4 Degree C Hinged Glass Doors, Blood Bank Refrigerator (TemPure Scientific)	16,880.63	147.81
11 72 63 00-0015	EA	78 CF, 4 Degree C Three Hinged Glass Doors, Blood Bank Refrigerator (TemPure Scientific)	22,269.84	147.81
11 72 63 00-0016	EA	4.3 CF, 2 To 8 Degrees Celsius, Blood Bank Undercounter Refrigerator With One Locking Solid Door (TemPure Scientific)	5,200.34	23.10
11 72 63 00-0017	EA	Negative 15 To Negative 25 Degrees Celsius, Blood Bank Undercounter Refrigerator (ABS Premier ABT-HC-UCBI-0420SS)	1,422.04	23.10
11 72 63 00-0018		**Healthcare Medical Freezers** *(11 72 63)*		
11 72 63 00-0019	EA	78" Height x 28.3" Width x 38.5" Depth, Negative 50 To Negative 86 Degrees Celsius Temperature Range, Medical Freezer (Hogentogler RDE40086LA)	18,042.38	26.42
11 72 63 00-0020	EA	26.75" Width x 32.75" Depth x 82.75' Height, Low To Negative 10 Degrees Fahrenheit Temperature Range, Medical Freezer (Artic Air AF23)	1,886.22	26.42
11 72 63 00-0021	EA	Negative 20 To Negative 30 Degrees Celsius, Medical Freezer (Accucold VT65)	1,582.69	23.10
11 72 63 00-0022		**Healthcare Vaccine Freezers** *(11 72 63)*		
11 72 63 00-0023	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PV)	973.82	23.10
11 72 63 00-0024	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PVDL2B)	1,402.67	23.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 72 63 00-0025	EA	23.38" Width x 24.5" Depth x 50' Height, 2 To 8 Degrees Celsius Temperature Range, Upright Vaccine Refrigeration Freezer (Accucold ARG8PV)	1,386.86	26.42
11 72 63 00-0026	EA	21-5/8" Width x 21-5/8" Depth, 33 To 40 Degrees Fahrenheit Temperature Range, Upright Vaccine Refrigeration Freezer (Avantco GDC-10-HC)	1,083.57	26.42
11 72 63 00-0027	EA	23.38" Width x 24.5" Depth x 50' Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Upright Vaccine Refrigeration Freezer (Accucold ARS8PV)	1,312.32	26.42
11 72 63 00-0028	EA	20.1" Width x 20.9" Depth x 25.8' Height, 2 To 8 Degrees Celsius Temperature Range, Stacked, Combination Pharmaceutical-Vaccine Refrigeration Freezer (K2 Scientific K202GDR)	1,019.69	23.10
11 72 63 00-0029	EA	18-1/2" Width x 20" Depth x 34' Height, 2 To 8 Degrees Celsius Temperature Range, Counter Height Pharmaceutical-Vaccine Refrigeration Freezer (Accucold ARS3PV)	962.93	23.10
11 72 63 00-0030	EA	23-3/42" Width x 24" Depth x 20-3/8' Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Vaccine Refrigeration Freezer (CliniCool LHP-1-FA-PH)	2,693.16	23.10
11 72 63 00-0031	EA	23-3/4" Width x 24" Depth x 20-3/4' Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Solid Swing Door, Vaccine Refrigeration Freezer (CliniCool LHP-2-FM-PH)	1,331.57	23.10

11 73 Patient Care Equipment *(11 70)*

11 73 23 Patient Lift *(11 73)*

11 73 23 00-0001 Ceiling Patient Lift *(11 73 23)*

11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.	14,257.03	

11 73 23 00-0003 Ceiling Patient Lift System *(11 73 23)*

Note: Guldmann

11 73 23 00-0004	EA	GH2 HD AC UL Ceiling Mounted Hoist, 550 Lb. Weight Capacity, With Hand Control	13,977.86	1,167.19
11 73 23 00-0005	EA	550 Lb. Weight Capacity, Hanging Bar GH2 Standard Snap Hook	767.20	
11 73 23 00-0006	EA	550 Lb. Weight Capacity, Traverse Traveling Trolley Room Covering System	926.62	162.11
11 73 23 00-0007	EA	GH2 HD Twin Strap Ceiling Mounted Hoist, 1,000 Lb. Weight Capacity, With Hand Control	19,788.58	1,621.10
11 73 23 00-0008	EA	1,000 Lb. Weight Capacity, Hanging Bar	6,799.69	
11 73 23 00-0009	EA	1,000 Lb. Weight Capacity, Traverse Traveling Trolley Room Covering System	2,110.83	356.64
11 73 23 00-0010	LF	Aluminum Midi Rail	387.84	38.91
11 73 23 00-0011	EA	Wire For Charging Liner	146.57	
11 73 23 00-0012	LF	Charging Liner For Midi Rail	162.19	
11 73 23 00-0013	EA	End Stops	72.19	
11 73 23 00-0014	EA	Standard Ceiling Brackets	226.21	38.91
11 73 23 00-0015	EA	Charging Kit For Room-Covering System With Midi Rails	434.12	
11 73 23 00-0016	EA	Lock For Charging Liner	86.30	
11 73 23 00-0017	EA	Cover Plate For Midi Rail	8.45	
11 73 23 00-0018	EA	Rosette White	4.79	
11 73 23 00-0019	EA	Aluminum Pipe 2M Profile	216.61	
11 73 23 00-0020	EA	Repositioning Sling Gold, 3 Slings Per System	353.34	
11 73 23 00-0021	EA	Uni D M/L High Black - 550 Lb. Capacity Sling, 2 Slings Per System	194.06	
11 73 23 00-0022	EA	Uni D L/XL High Black - 550 Lb. Capacity Sling, 2 Slings Per System	194.06	
11 73 23 00-0023	EA	Disposable Limb Lifter, 2 Slings Per System	92.23	
11 73 23 00-0024	EA	Disposable Turner Sling, 1 Sling Per System	227.84	

11 74 Dental Equipment *(11 70)*

11 74 00 00-0001 Dental Furnishings *(11 74)*

11 74 00 00-0002	EA	Dental Equipment, Complete For Dental Exam And Treatment	53,617.69	567.51

11 74 00 00-0003 Dental Care Equipment *(11 74)*

11 74 00 00-0004	EA	Dental Equipment, Drill Console With Accessories	11,501.25	2,040.88
11 74 00 00-0005	EA	Dental Equipment, Amalgamator Can Triturate All Alloys, Composites, Silicates And Cements	791.41	56.75
11 74 00 00-0006	EA	Dental Equipment, Lath-Finish Polish With 1/4 HP Two-Speed	837.02	37.84
11 74 00 00-0007	EA	Dental Equipment, Lath 1/4 HP Heavy-Duty For Grinding And Polishing Lathe	912.68	75.67
11 74 00 00-0008	EA	Dental Equipment, Model Trimmer 1/2 HP Bench Mounted	1,666.02	47.30
11 74 00 00-0009	EA	Dental Equipment, Wall Mounted Dely System Automatic Control Of 3-5 Handpieces (130,000 RPM)	7,099.05	47.30
11 74 00 00-0010	EA	Dental Equipment, Sandblaster 110 Volt Bench Mounted, 9" x 9" x 9 " Air Operated	820.27	66.21
11 74 00 00-0011	EA	Dental Equipment, Ultrasonic Cleaner Desk Mounted, With Heater And Timer Plastic	1,424.33	104.05
11 74 00 00-0012	EA	Dental Equipment, Curing Unit Bench Mounted, 17" x 17" x 16"	3,715.91	189.17
11 74 00 00-0013	EA	Dental Equipment, Oral Evacuation System Dual 2 HP Pump, 16" x 24" x 24"	11,551.80	141.88
11 74 00 00-0014	EA	Dental Equipment, Sterilizer 2 Trays With Chamber 11" Wide x 5" High x 7" Deep 16 In With Safety Feature Arrangements And Accessories	1,518.69	66.21

11 74 00 00-0015 Dental Lights *(11 74)*

11 74 00 00-0016	EA	Dental Lights, Floor/Ceiling Mounted	4,359.61	554.15
11 74 00 00-0017	EA	Dental Lights, Fixed Ceiling Mounted	4,341.75	162.32

11 74 00 00-0018 X-Ray Unit *(11 74)*

11 74 00 00-0019	EA	Dental X-Ray Unit, Mobile	14,723.44	351.41
11 74 00 00-0020	EA	Dental X-Ray Unit, 76" Wall Mounted	12,247.26	1,121.81
11 74 00 00-0021	EA	Dental X-Ray Unit, 72" With Remote Including All Accessories	12,778.75	1,633.64
11 74 00 00-0022	EA	Dental X-Ray Unit, Illuminator For Desk Or Wall, 5" x 14" Screen	406.13	40.54
11 74 00 00-0023	EA	X-Ray Film Processor, Desk Top With Daylight Loader	11,788.36	945.85
11 74 00 00-0024	EA	X-Ray Unit Shield, 33" x 74" x 7" Lead Lined And Portable	9,342.47	75.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 74 00 00-0025		**Miscellaneous Equipment** *(11 74)*		
11 74 00 00-0026	EA	Chair, X-Ray Utility, Electric	43,221.04	6.62
11 74 00 00-0027	EA	Engines, 3 Section Engine Arm With foot Rheostat At 40,000 RPM Slip On Wrist Joint	1,914.90	37.84
11 74 00 00-0028	EA	Auto Glazing Furnace, 110 Volt, 6" Wide x 11" High x 6" Deep 9 X 5 X 4 In Including All Features Of Maximum Temperature, Automatic Controls, Etcetera	2,117.38	56.75
11 74 00 00-0029	EA	Dental Cabinet, 6" x 4" x 7" With Drawers, With Fold-in Door And 1 Pull Out Shelf 3-Large Drawers On Left Side, Large Fold-In Door With 1-Pull Out Shelf And 2-Large Drawers On Right Side	6,517.61	56.75
11 74 00 00-0030	EA	Removal And Storage For Reinstallation Of Steam Cleaner	161.10	

11 75 Optical Equipment *(11 70)*

11 75 00 00-0001		**Optical Furnishings** *(11 75)*		
11 75 00 00-0002	EA	Optical Exam Chair And Stand	39,706.79	283.76
11 75 00 00-0003	EA	Optical, Chart Amsler Bookform	85.75	0.94
11 75 00 00-0004	EA	Optical Drum, Opticokinetic	134.95	2.84
11 75 00 00-0005	EA	Optical, Exophthalmometer	31.31	2.84
11 75 00 00-0006	EA	Optical, Gonioscope	1,290.49	2.84
11 75 00 00-0007	EA	Optical, Hyfector; Desk Mounted With Handle And Needle Surgical Unit	834.77	2.84
11 75 00 00-0008	EA	Optical Light, Muscle Wall	193.80	2.84
11 75 00 00-0009	EA	Desk Mounted Slit Lamp With Microscope And Inclined Eyetubes	393.85	94.59
11 75 00 00-0010	EA	Hand Held Magnifier Light With 3x Ground And Polished Lens White Fluorescent Light	156.57	2.84
11 75 00 00-0011	EA	Ultramatic Phoropter	4,633.58	37.84
11 75 00 00-0012	EA	1 Meter Compact Screen Tangent	127.55	14.19
11 75 00 00-0013	EA	Anode Aluminum Trial Set, Color Coded	1,998.12	37.84
11 75 00 00-0014	EA	Desk Mounted Vision Tester	365.63	141.88

11 76 Operating Room Equipment *(11 70)*

11 76 00 00-0001		**Surgical Tables** *(11 76)*		
11 76 00 00-0002	EA	Surgical Equip, Table - Standard	116,005.83	801.84
11 76 00 00-0003	EA	Surgical Equip, Table - Deluxe	139,534.28	1,145.47
11 76 00 00-0004		**Lights** *(11 76)*		
11 76 00 00-0005	EA	Surgical Equip, Lights - General	35,842.63	4,278.66
11 76 00 00-0006	EA	Surgical Light, 5 Lamp 22" Diameter, Ceiling Mounted	85,080.56	907.60
11 76 00 00-0007	EA	Surgical Light, 8 Lamp 30" Diameter, Ceiling Mounted	102,060.41	1,166.91
11 76 00 00-0008		**Water Stills** *(11 76)*		
11 76 00 00-0009	EA	Water Still 4 Liter/Hour	2,572.22	194.58
11 76 00 00-0010	EA	Water Still 8 Liter/Hour	3,763.53	194.58
11 76 00 00-0011	EA	Distilled Water 19 Liters/Hour, Wall Mounted	13,068.32	454.01
11 76 00 00-0012	EA	Gas Aerator Bench Mounted, Chamber 16" x 24" x 18"	4,408.45	1,076.66
11 76 00 00-0013	EA	Ultrasonic Cleaner	2,506.35	604.34
11 76 00 00-0014	EA	Water Deionizer, 10 GPM Floor Mounted	8,158.84	335.75

11 77 Radiology Equipment *(11 70)*

11 77 00 00-0001		**Radiology Furnishings** *(11 77)*		
11 77 00 00-0002	EA	Radiology Generator, 3 Phase 12 Pulse 480 V For Two X-Ray Tubes	346,882.70	5,615.20
11 77 00 00-0003	EA	Radiology Generator, 3 Phase 12 Pulse 480 V For 2 X-Ray Tubes, 1 Per Table Over Table .02-.05 In Focal Spot X-Ray Tube And One Pair Of High Tension Cables	400,777.02	5,615.20
11 77 00 00-0004	EA	Radiograph And Fluoroscopic Table, Motor Operator With 15-90 Degree Tilting Trendelenburg To 90 Degree Vertical, Motor Operated	454,131.70	11,513.76
11 77 00 00-0005	EA	Radiographic Table, Motor Driven With 12-90 Degree Tilting Trendelenburg To 90 Degree Vertical	113,419.81	5,756.88
11 77 00 00-0006	EA	Fluoroscope Image/TV System Dual Mode 5"/9" High Performance NCE Image Intensifier System With Iodide Input Screens And Collimator Lens	181,643.47	14,392.20
11 77 00 00-0007	EA	Developing Processor, 385 Sheets Of Film Per Hour Note: Includes replenisher pumps, developer, fixer and water filter unit, 30" x 48-1/2" x 37-1/2".	65,954.37	1,556.63
11 77 00 00-0008	EA	Cassette Transfer Cabinet, 4 Door 22" x 22" x 22" With Lead Lining Components 18" x 8" x 18" Each Lined With Grooved Rubber Pads Note: Including manual interlock, 1/16" lead lining, etc.	6,493.70	94.59
11 77 00 00-0009	LF	Base Storage Cabinet, Sectional Carbon Steel Or Plastic Laminate Part Steel Or Plastic Laminate Particle Board With Doors And Counter Top With Back Splash- 24" Deep And 35" High	2,582.63	81.39
11 77 00 00-0010	LF	Wall Storage Cabinet With Door Carbon Steel Or Plastic Laminate Particle Board With Doors	3,149.20	94.96
11 77 00 00-0011	LF	Bucky Wall Stand, Vertical Floor/Wall Mounted With Cassette Tray Adjustable Controls, Counter-Balanced LF Bucky Diaphragm Cassette Tray - 30" Deep And 16" High	29,548.51	63.75
11 77 00 00-0012	SF	Ceiling Tubemount, 59" Deep	75,665.80	5.43
11 77 00 00-0013		**Wall Mounted Area Monitor** *(11 77)*		
11 77 00 00-0014	EA	Digital Wall Mount Area Monitor (Ludlum M 375-30 With 2E44-99 FBGLS)	16,856.27	

11 78 Mortuary Equipment *(11 70)*

11 78 13 Mortuary Refrigerators *(11 78)*

11 78 13 00-0001 Healthcare Mortuary Coolers *(11 78 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 78 13 00-0002	EA	6' 8 1/2" Width x 2' 8 1/2" Depth x 5' 2" Height, One Body Economy, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1BR)	9,328.73	985.47
11 78 13 00-0003	EA	7'3" Depth x 3" Width x 5'2" Height, Three Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #3BX)	13,232.95	985.47
11 78 13 00-0004	EA	7' 3" Depth x 3' 6 3/4" Width x 6'8" Height, Four Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model # 4BX)	14,400.08	1,478.16
11 78 13 00-0005	EA	10' Length x 8' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #0810)	16,611.08	1,478.16
11 78 13 00-0006	EA	10' Length x 10' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1010)	19,179.98	1,478.16
11 78 13 00-0007	EA	10' Length x 15' Width x 7' 6 1/2' Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1015)	24,852.35	2,956.31
11 78 13 00-0008	EA	20' Length x 20' Width, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #2020)	35,342.33	2,956.31
11 78 13 00-0009	EA	8' 1" Width x 7' 4" Depth x 5' Height, Triple Cot, Roll-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #TR3)	15,210.36	1,478.16

11 79 Therapy Equipment *(11 70)*

11 79 00 00-0001 Physical Therapy Furnishings *(11 79)*

11 79 00 00-0002	EA	15" x 7" x 27" x 10" Paraffin Bath, 115 V For Hand And Foot (Mobile)	2,148.61	470.05
11 79 00 00-0003	EA	Hydrotherapy Adjustable Chair With Mobile Whirlpool Baths	183.54	14.19
11 79 00 00-0004	EA	Diathermy, Short-wave And Portable	5,777.81	47.30
11 79 00 00-0005	EA	35" x 15" Portable Exercise Bike	879.50	37.84
11 79 00 00-0006	EA	Hydrocollator, 129" x 90" x 160" 4 Pack Portable	1,214.68	14.19
11 79 00 00-0007	EA	Lamp, Infrared With 3 Heat Variable Control	2,425.47	38.96
11 79 00 00-0008	EA	Lamp, Ultra Violet With 425 Watt Base Mounted With Casters, Tubular	1,523.88	38.96
11 79 00 00-0009	EA	Mirror, Posture Type 1 Section 27" Wide x 72" High Mounted On Casters	1,496.74	28.37
11 79 00 00-0010	EA	Parallel Bars, 12' Long Portable; Adjustable With Platform	2,637.98	122.96
11 79 00 00-0011	EA	Exercise Mat, 4' Wide x 10' Long x 1" Deep Urethane Foam, Nylon With handles; Side Walls, Heavy-Duty Nylon Stitching, Etcetera	531.48	18.91
11 79 00 00-0012	EA	Wall Pulley, Duplex And Wall Mounted	5,134.89	321.59
11 79 00 00-0013	EA	66" x 16" x 13" Wall Mounted Crutch Rack	950.87	113.50
11 79 00 00-0014	EA	Room, Prefab 72" x 76" x 78" Single Wall Construction And Soundproof 78 In High Inside	12,490.18	2,882.89
11 79 00 00-0015	EA	Stimulator, Galvanic - Faradic	128.47	47.30
11 79 00 00-0016	EA	Ultrasound, Muscle Stimulator 13" x 13 " x 8" Portable Cart Mounted	4,827.68	75.67
11 79 00 00-0017	EA	Sandbag Set With Velcro Straps Saddle Bag Type	610.91	14.19
11 79 00 00-0018	EA	Whirlpool Lo-Boy, Mobile Stainless Steel 18" Deep x 24" Wide x 60" Long Capacity With All Accessories	3,435.03	324.42
11 79 00 00-0019	EA	Whirlpool, (Arm, Leg And Hip), Stainless Steel 28" Deep x 42" Long x 20" Wide With Accessories Tank 65 Gallon Capacity	3,114.03	324.42
11 79 00 00-0020	EA	Whirlpool 60 In X 42 In With All Accessories	3,367.72	283.79
11 79 00 00-0021	EA	Whirlpool 83 In X 64-1/2 In With All Accessories	5,376.56	355.43
11 79 00 00-0022	EA	Whirlpool 103 In X 86-1/2 In X 34-1/2 In, With 5.5 KW Heater	6,005.26	391.37
11 79 00 00-0023	EA	Whirlpool 103 In X 86-1/2 In X 34-1/2 In, With 11 KW Heater	6,209.60	391.37
11 79 00 00-0024	EA	Whirlpool 103 In X 86-1/2 In X 34-1/2 In, With 160 MBH Gas Heater	7,625.36	420.31
11 79 00 00-0025	EA	Wagon, Dumbbell Storage 46" x 25" x 41" Size Dumbbells	1,078.10	47.30
11 79 00 00-0026	EA	Steam Bath, Timer And Head To 140 CF	2,695.27	434.42
11 79 00 00-0027	EA	Steam Bath, Timer And Head To 300 CF	3,030.64	473.60
11 79 00 00-0028	EA	Steam Bath, Timer And Head To 800 CF	6,260.43	583.73
11 79 00 00-0029	EA	Steam Bath, Timer And Head To 1200 CF	10,943.11	648.59

11 80 Facility Maintenance and Operation Equipment *(11)*

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

11 81 29 00-0001 Safety And Tie-Back Anchors *(11 81 29)*

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0048 for engineering testing and inspection.

11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors *(11 81 29 00-0001)*

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	844.38	101.74
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	726.11	101.74
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	510.35	85.66
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	

11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor *(11 81 29 00-0001)*

Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	596.74	101.74
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	538.74	101.74
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	447.56	85.66
		For Stainless Steel Pad Eye, Add	*40.00*	

11 81 29 00-0010 Safety And Tie-Back Anchor Accessories *(11 81 29 00-0001)*

11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	456.60	

11 81 29 00-0012 Ladder Safety And Fall Protection *(11 81 29)*

11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280)	304.73	18.90
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024)	46.03	2.75
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030)	57.54	6.87
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040)	76.72	4.58
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050)	95.91	5.73
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400)	62.85	4.29
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054)	589.47	11.45
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090)	139.81	11.34

11 81 29 00-0021 Fall-Arrest Systems *(11 81 29)*

11 81 29 00-0022 Horizontal *(11 81 29 00-0021)*

11 81 29 00-0023	LF	Trolley Rail Fall Arrest System Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.	820.13	54.58

11 81 29 00-0024 Anchor Points *(11 81 29 00-0021)*

11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post Note: Guardian CD-12 series	683.92	
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post Note: Guardian CD-18 series	797.68	
11 81 29 00-0027	EA	Bolt On Roof Anchor Note: Guardian CD-1-B series	306.13	
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud Note: Super Anchor ARS 2x8	147.03	
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud Note: Super Anchor ARS 2x12	171.09	

11 82 Facility Solid Waste Handling Equipment *(11 80)*

11 82 19 Packaged Incinerators *(11 82)*

11 82 19 00-0001 Electric Incinerator *(11 82 19)*

11 82 19 00-0002	EA	Electric Package Incinerator, 100 Lb./Hour	40,977.88	1,118.07
11 82 19 00-0003	EA	Electric Package Incinerator, 400 Lb./Hour	83,845.34	2,236.16
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 Lb./Hour	283,413.80	3,354.23

11 82 26 Facility Waste Compactors *(11 82)*

11 82 26 00-0001 Waste Compactors *(11 82 26)*

11 82 26 00-0002 110 Volt Compactors *(11 82 26 00-0001)*

11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 Lb./Hour	22,365.44	609.23
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 Lb./Hour	28,111.91	1,462.15

11 82 26 00-0005 230 Volt Compactors *(11 82 26 00-0001)*

11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Hand Fed	28,060.42	1,949.54
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Chute Fed	31,643.37	2,558.76

END OF SECTION 11

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation and Maintenance of Furnishings *(12)*

12 01 60 Operation and Maintenance of Multiple Seating *(12 01)*

12 01 60 00-0001 Repair Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part	206.20	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part	96.38	
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part	133.84	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part	153.08	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part	249.68	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part	204.24	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part	77.55	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part	81.82	
12 01 60 00-0010	EA	Secure Seat To Floor	77.37	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor Note: Includes drilling and fasteners.	84.91	
		For Epoxy Anchoring, Add	*27.18*	

12 20 Window Treatments *(12)*

12 21 Window Blinds *(12 20)*

12 21 13 Horizontal Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds *(12 21 13)*

12 21 13 13-0001 Aluminum Horizontal Louver Blinds *(12 21 13 13)*

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	12.54	1.10
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	10.30	1.10
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	11.16	1.10
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	12.88	1.10

12 21 13 33 Plastic Horizontal Louver Blinds *(12 21 13)*

12 21 13 33-0001 Vinyl Horizontal Louver Blinds *(12 21 13 33)*

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	10.64	1.10
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	12.28	1.10

12 21 16 Vertical Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds *(12 21 16)*

12 21 16 13-0001 Aluminum Vertical Louver Blinds *(12 21 16 13)*

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	14.79	2.32

12 21 16 33 Plastic Vertical Louver Blinds *(12 21 16)*

12 21 16 33-0001 Vinyl Vertical Louver Blinds *(12 21 16 33)*

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	9.70	2.32
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	13.41	2.32

12 22 Curtains and Drapes *(12 20)*

12 22 13 Draperies *(12 22)*

12 22 13 00-0001 Lined Draperies *(12 22 13)*

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies	377.69	16.96
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies	393.14	16.96
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies	418.25	16.96
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies	427.90	16.96
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies	451.08	16.96
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies	481.98	16.96
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies	501.29	16.96
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies	528.33	16.96
12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies	570.82	16.96

12 22 13 00-0012 >48" To 72" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies	548.27	23.06
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies	583.03	23.06
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies	610.07	23.06
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies	633.24	23.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	687.32	23.06
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	714.36	23.06
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	737.54	23.06
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	787.75	23.06
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	841.83	23.06
12 22 13 00-0022		**>72" To 96" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	726.57	29.17
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	776.79	29.17
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	799.96	29.17
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	854.04	29.17
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	904.25	29.17
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	954.47	29.17
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	981.51	29.17
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	1,035.58	29.17
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	1,108.97	29.17
12 22 13 00-0032		**>96" To 120" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	916.46	35.27
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	966.68	35.27
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	993.72	35.27
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	1,070.97	35.27
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	1,121.18	35.27
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	1,175.26	35.27
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	1,466.67	35.27
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	1,306.59	35.27
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	1,345.22	35.27
12 22 13 00-0042		**>120" To 144" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	1,083.18	41.37
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	1,156.57	41.37
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	1,183.61	41.37
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	1,260.86	41.37
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	1,338.12	41.37
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	1,415.37	41.37
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	1,492.62	41.37
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	1,569.88	41.37
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	1,666.44	41.37
12 22 13 00-0052		**>144" To 168" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	1,273.07	47.48
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	1,350.33	47.48
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	1,408.27	47.48
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	1,485.52	47.48
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	1,562.77	47.48
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	1,659.34	47.48
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	1,736.59	47.48
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	1,813.85	47.48
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	1,949.04	47.48
12 22 13 00-0062		**>168" To 192" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	1,439.78	53.58
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	1,536.35	53.58
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	1,594.29	53.58
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	1,690.85	53.58
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	1,768.10	53.58
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	1,864.67	53.58
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	2,019.18	53.58
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	2,077.12	53.58
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	2,212.31	53.58
12 22 13 00-0072		**>192" To 216" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	1,625.81	59.69
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	1,703.06	59.69
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	1,780.31	59.69
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	1,896.19	59.69
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	2,012.07	59.69
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	2,127.95	59.69
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	2,224.52	59.69
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	2,321.09	59.69
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	2,494.91	59.69
12 22 13 00-0082		**>216" To 240" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	1,792.52	65.79
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	1,927.72	65.79
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	1,985.66	65.79
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	2,101.54	65.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0087	EA	>81" To 90" Long, >216" To 240" Wide Lined Draperies	2,236.73	65.79
12 22 13 00-0088	EA	>90" To 99" Long, >216" To 240" Wide Lined Draperies	2,352.61	65.79
12 22 13 00-0089	EA	>99" To 108" Long, >216" To 240" Wide Lined Draperies	2,468.49	65.79
12 22 13 00-0090	EA	>108" To 120" Long, >216" To 240" Wide Lined Draperies	2,584.37	65.79
12 22 13 00-0091	EA	>120" To 130" Long, >216" To 240" Wide Lined Draperies	2,777.50	65.79

12 22 13 00-0092 Auditorium Window Curtain *(12 22 13)*

12 22 13 00-0093 One Panel, Straight Top, Valance, Window Curtain *(12 22 13 00-0092)*

12 22 13 00-0094	EA	One 6' x 3' Panel, Straight Top, Valance, Window Curtain	550.67	12.94
		For Curved Proscenium Valance, Add	*328.88*	
12 22 13 00-0095	EA	One 12' x 3' Panel, Straight Top, Valance, Window Curtain	700.75	25.77
		For Curved Proscenium Valance, Add	*328.88*	
12 22 13 00-0096	EA	One 18' x 3' Panel, Straight Top, Valance, Window Curtain	1,004.43	46.39
		For Curved Proscenium Valance, Add	*328.88*	
12 22 13 00-0097	EA	One 28' x 3' Panel, Straight Top, Valance, Window Curtain	1,525.60	72.16
		For Curved Proscenium Valance, Add	*328.88*	
12 22 13 00-0098	EA	One 6' x 6' Panel, Straight Top, Valance, Window Curtain	744.04	12.94
		For Curved Proscenium Valance, Add	*328.88*	
12 22 13 00-0099	EA	One 12' x 6' Panel, Straight Top, Valance, Window Curtain	1,046.07	25.77
		For Curved Proscenium Valance, Add	*328.88*	
12 22 13 00-0100	EA	One 18' x 6' Panel, Straight Top, Valance, Window Curtain	1,377.38	46.39
		For Curved Proscenium Valance, Add	*328.88*	
12 22 13 00-0101	EA	One 28' x 6' Panel, Straight Top, Valance, Window Curtain	2,147.19	72.16
		For Curved Proscenium Valance, Add	*328.88*	

12 22 13 00-0102 6' Wide Opening, Two Panel, Bi-Parting, Window Curtain *(12 22 13 00-0092)*

12 22 13 00-0103	PR	Two 4' x 8' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,329.41	8.59
12 22 13 00-0104	PR	Two 4' x 10' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,398.47	8.59
12 22 13 00-0105	PR	Two 4' x 12' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,495.16	8.59
12 22 13 00-0106	PR	Two 4' x 14' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,633.30	8.59
12 22 13 00-0107	PR	Two 4' x 16' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,771.42	8.59
12 22 13 00-0108	PR	Two 4' x 18' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,964.81	8.59
12 22 13 00-0109	PR	Two 4' x 20' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	2,155.42	8.59

12 22 13 00-0110 12' Wide Opening, Two Panel, Bi-Parting, Window Curtain *(12 22 13 00-0092)*

12 22 13 00-0111	PR	Two 7' x 8' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	1,687.67	15.01
12 22 13 00-0112	PR	Two 7' x 10' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	1,825.80	15.01
12 22 13 00-0113	PR	Two 7' x 12' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	1,963.92	15.01
12 22 13 00-0114	PR	Two 7' x 14' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,129.68	15.01
12 22 13 00-0115	PR	Two 7' x 16' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,350.68	15.01
12 22 13 00-0116	PR	Two 7' x 18' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,571.69	15.01
12 22 13 00-0117	PR	Two 7' x 20' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,806.52	15.01

12 22 13 00-0118 18' Wide Opening, Two Panel, Bi-Parting, Window Curtain *(12 22 13 00-0092)*

12 22 13 00-0119	PR	Two 10' x 8' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	2,239.20	21.53
12 22 13 00-0120	PR	Two 10' x 10' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	2,474.02	21.53
12 22 13 00-0121	PR	Two 10' x 12' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	2,764.10	21.53
12 22 13 00-0122	PR	Two 10' x 14' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	3,040.36	21.53
12 22 13 00-0123	PR	Two 10' x 16' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	3,358.04	21.53
12 22 13 00-0124	PR	Two 10' x 18' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	3,946.48	21.53
12 22 13 00-0125	PR	Two 10' x 20' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	4,283.51	21.53

12 22 13 00-0126 28' Wide Opening, Two Panel, Bi-Parting, Window Curtain *(12 22 13 00-0092)*

12 22 13 00-0127	PR	Two 15' x 8' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	3,628.21	32.19
12 22 13 00-0128	PR	Two 15' x 10' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	4,175.18	32.19
12 22 13 00-0129	PR	Two 15' x 12' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	4,655.88	32.19
12 22 13 00-0130	PR	Two 15' x 14' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	4,912.80	32.19
12 22 13 00-0131	PR	Two 15' x 16' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	5,244.31	32.19
12 22 13 00-0132	PR	Two 15' x 18' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	5,575.82	32.19
12 22 13 00-0133	PR	Two 15' x 20' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	6,197.40	32.19

12 22 16 Drapery Track and Accessories *(12 22)*

12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks *(12 22 16)*

12 22 16 00-0002 Basic Traverse Rod *(12 22 16 00-0001)*

12 22 16 00-0003	EA	Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	157.18	52.25
12 22 16 00-0004	EA	Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	184.96	52.25
12 22 16 00-0005	EA	Traverse Rod, 84' To 156" Extension Metal Wall Or Ceiling Mounted Track	220.30	58.06
12 22 16 00-0006	EA	Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	307.05	58.06
12 22 16 00-0007	EA	Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	318.15	63.87

12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod *(12 22 16 00-0001)*

12 22 16 00-0009	EA	Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	183.80	52.25
12 22 16 00-0010	EA	Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	201.74	52.25
12 22 16 00-0011	EA	Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	262.54	58.06
12 22 16 00-0012	EA	Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	301.36	63.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 16 00-0013		Double Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	229.52	52.25
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	283.92	52.25
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	357.75	58.06
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	386.44	63.87
12 22 16 00-0018		Curtain Rods *(12 22 16 00-0001)*		
12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	13.21	2.44
12 22 16 00-0020		Relocate Drapery And Rod *(12 22 16 00-0001)*		
12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod Note: Includes storage and cleaning.	34.84	

12 24 Window Shades *(12 20)*

12 24 13 Roller Window Shades *(12 24)*

12 24 13 00-0001		Roller Window Shades *(12 24 13)*		
12 24 13 00-0002		Vinyl Coated Fiberglass, Roller Window Shades *(12 24 13 00-0001)* Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	15.92	0.81
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	15.92	0.81
12 24 13 00-0005		Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades *(12 24 13 00-0001)* Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	20.31	0.81
12 24 13 00-0007		Vinyl Coated Polyester, Roller Window Shades *(12 24 13 00-0001)* Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	15.92	0.81
12 24 13 00-0009		MechoShade *(12 24 13)* Note: Includes all hardware required for installation and stainless steel chain operator.		
12 24 13 00-0010		ThermoVeil 0700 Series (Blackout) Shade *(12 24 13 00-0009)*		
12 24 13 00-0011	EA	3' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	234.94	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0012	EA	3' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	284.98	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0013	EA	3' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	311.10	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0014	EA	3' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	332.88	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0015	EA	4' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	245.81	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0016	EA	4' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	302.37	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0017	EA	4' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	324.15	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0018	EA	4' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	350.28	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0019	EA	5' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	258.86	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0020	EA	5' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	321.94	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0021	EA	5' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	343.72	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0022	EA	5' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	369.85	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0023	EA	6' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	269.73	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0024	EA	6' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	341.51	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0025	EA	6' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	363.28	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0026	EA	6' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	387.24	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0027	EA	7' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	280.60	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0028	EA	7' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	361.08	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0029	EA	7' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	382.85	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0030	EA	7' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	408.99	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0031	EA	8' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	293.65	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0032	EA	8' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	382.83	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0033	EA	8' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	404.60	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0034	EA	8' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	428.55	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0035	EA	9' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	304.52	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0036	EA	9' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	402.40	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0037	EA	9' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	424.17	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0038	EA	9' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	448.12	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0039	EA	10' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	315.39	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0040	EA	10' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	421.97	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0041	EA	10' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	443.74	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0042	EA	10' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	500.31	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0043	EA	11' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	337.14	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0044	EA	11' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	458.93	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0045	EA	11' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	480.70	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0046	EA	11' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	526.40	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0047	EA	12' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	411.07	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0048	EA	12' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	480.67	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0049	EA	12' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	502.45	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0050	EA	12' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	554.67	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	

12 24 13 00-0051 ThermoVeil 0900 And 3000 Series Shade *(12 24 13 00-0009)*

12 24 13 00-0052	EA	3' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	267.56	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0053	EA	3' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	328.47	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0054	EA	3' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	361.11	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0055	EA	3' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	389.42	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0056	EA	3' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	482.96	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0057	EA	3' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	502.55	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0058	EA	4' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	287.12	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0059	EA	4' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	358.91	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0060	EA	4' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	395.90	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0061	EA	4' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	426.38	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0062	EA	4' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	528.63	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0063	EA	4' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	550.39	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0064	EA	5' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	304.52	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0065	EA	5' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	391.52	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0066	EA	5' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	432.87	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0067	EA	5' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	463.35	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0068	EA	5' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	578.64	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0069	EA	5' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	600.40	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0070	EA	6' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	326.26	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0071	EA	6' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	424.14	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0072	EA	6' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	467.66	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0073	EA	6' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	502.48	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0074	EA	6' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	628.65	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0075	EA	6' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	650.41	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0076	EA	7' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	343.66	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0077	EA	7' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	452.41	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0078	EA	7' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	504.62	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0079	EA	7' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	539.45	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0080	EA	7' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	676.48	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0081	EA	7' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	809.14	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0082	EA	8' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	365.40	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0083	EA	8' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	485.02	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0084	EA	8' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	539.41	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0085	EA	8' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	576.41	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0086	EA	8' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	726.50	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0087	EA	8' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	867.85	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0088	EA	9' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	382.80	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0089	EA	9' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	515.46	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0090	EA	9' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	574.20	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0091	EA	9' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	613.38	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0092	EA	9' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	776.51	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0093	EA	9' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	917.86	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0094	EA	10' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	402.37	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0095	EA	10' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	550.26	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0096	EA	10' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	613.34	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0097	EA	10' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	652.52	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0098	EA	10' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	841.74	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0099	EA	10' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	967.87	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0100	EA	11' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	439.33	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0101	EA	11' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	589.39	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0102	EA	11' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	665.53	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0103	EA	11' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	709.05	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0104	EA	11' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	924.37	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0105	EA	11' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	1,050.50	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0106	EA	12' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	535.01	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0107	EA	12' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	628.53	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0108	EA	12' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	713.36	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0109	EA	12' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	756.89	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0110	EA	12' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	965.68	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0111	EA	12' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	1,098.34	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	

12 24 13 00-0112 EuroVeil 5100, 5200 And 5300 Series Shade *(12 24 13 00-0009)*

12 24 13 00-0113	EA	3' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	282.78	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0114	EA	3' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	306.72	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0115	EA	3' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	352.41	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0116	EA	3' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	417.68	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0117	EA	3' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	467.74	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0118	EA	3' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	513.42	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0119	EA	4' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	304.52	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0120	EA	4' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	328.47	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0121	EA	4' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	385.03	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0122	EA	4' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	463.35	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0123	EA	4' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	513.40	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0124	EA	4' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	535.17	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0125	EA	5' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	326.26	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0126	EA	5' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	348.04	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0127	EA	5' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	415.47	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0128	EA	5' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	509.01	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0129	EA	5' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	559.07	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0130	EA	5' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	580.83	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0131	EA	6' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	350.18	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0132	EA	6' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	371.95	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0133	EA	6' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	445.91	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0134	EA	6' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	554.67	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0135	EA	6' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	604.73	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0136	EA	6' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	741.73	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0137	EA	7' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	371.93	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0138	EA	7' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	393.70	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0139	EA	7' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	474.18	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0140	EA	7' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	600.33	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0141	EA	7' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	650.39	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0142	EA	7' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	787.40	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0143	EA	8' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	395.84	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0144	EA	8' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	417.62	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0145	EA	8' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	506.80	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0146	EA	8' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	645.99	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0147	EA	8' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	713.45	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0148	EA	8' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	826.54	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0149	EA	9' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	417.59	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0150	EA	9' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	437.19	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0151	EA	9' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	539.41	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0152	EA	9' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	700.35	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0153	EA	9' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	750.41	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0154	EA	9' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	872.20	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0155	EA	10' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	439.33	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0156	EA	10' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	461.10	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0157	EA	10' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	567.68	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0158	EA	10' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	739.49	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0159	EA	10' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	791.73	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0160	EA	10' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	935.26	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0161	EA	11' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	493.69	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0162	EA	11' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	515.46	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0163	EA	11' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	641.61	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0164	EA	11' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	811.25	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0165	EA	11' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	872.18	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0166	EA	11' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	1,007.01	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	
12 24 13 00-0167	EA	12' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	580.67	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0168	EA	12' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	539.38	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0169	EA	12' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	676.40	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0170	EA	12' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	856.91	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0171	EA	12' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	920.02	38.17
		For Installation In Concrete Or Steel, Add	*37.97*	
		For Window Top >10' Above Finished Floor, Add	*18.99*	
12 24 13 00-0172	EA	12' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	1,052.67	43.62
		For Installation In Concrete Or Steel, Add	*43.39*	
		For Window Top >10' Above Finished Floor, Add	*21.70*	

12 24 13 00-0173 Snaplock Fascia *(12 24 13 00-0009)*

12 24 13 00-0174	EA	3' Wide Mecho Slimline, Regular Snaplock Fascia	33.72	2.72
		For Installation In Concrete Or Steel, Add	*2.71*	
		For Window Top >10' Above Finished Floor, Add	*1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0175	EA	4' Wide Mecho Slimline, Regular Snaplock Fascia	44.23	3.63
		For Installation In Concrete Or Steel, Add	*3.62*	
		For Window Top >10' Above Finished Floor, Add	*1.81*	
12 24 13 00-0176	EA	5' Wide Mecho Slimline, Regular Snaplock Fascia	54.75	4.54
		For Installation In Concrete Or Steel, Add	*4.52*	
		For Window Top >10' Above Finished Floor, Add	*2.26*	
12 24 13 00-0177	EA	6' Wide Mecho Slimline, Regular Snaplock Fascia	69.61	5.45
		For Installation In Concrete Or Steel, Add	*5.42*	
		For Window Top >10' Above Finished Floor, Add	*2.71*	
12 24 13 00-0178	EA	7' Wide Mecho Slimline, Regular Snaplock Fascia	77.95	6.36
		For Installation In Concrete Or Steel, Add	*6.33*	
		For Window Top >10' Above Finished Floor, Add	*3.16*	
12 24 13 00-0179	EA	8' Wide Mecho Slimline, Regular Snaplock Fascia	90.64	7.27
		For Installation In Concrete Or Steel, Add	*7.23*	
		For Window Top >10' Above Finished Floor, Add	*3.62*	
12 24 13 00-0180	EA	9' Wide Mecho Slimline, Regular Snaplock Fascia	103.34	8.17
		For Installation In Concrete Or Steel, Add	*8.14*	
		For Window Top >10' Above Finished Floor, Add	*4.07*	
12 24 13 00-0181	EA	10' Wide Mecho Slimline, Regular Snaplock Fascia	113.84	9.09
		For Installation In Concrete Or Steel, Add	*9.04*	
		For Window Top >10' Above Finished Floor, Add	*4.52*	
12 24 13 00-0182	EA	11' Wide Mecho Slimline, Regular Snaplock Fascia	124.36	9.99
		For Installation In Concrete Or Steel, Add	*9.94*	
		For Window Top >10' Above Finished Floor, Add	*4.97*	
12 24 13 00-0183	EA	12' Wide Mecho Slimline, Regular Snaplock Fascia	197.94	10.90
		For Installation In Concrete Or Steel, Add	*10.85*	
		For Window Top >10' Above Finished Floor, Add	*5.42*	
12 24 13 00-0184	EA	3' Wide Mecho Extended, Regular Snaplock Fascia	61.98	2.72
		For Installation In Concrete Or Steel, Add	*2.71*	
		For Window Top >10' Above Finished Floor, Add	*1.36*	
12 24 13 00-0185	EA	4' Wide Mecho Extended, Regular Snaplock Fascia	83.37	3.63
		For Installation In Concrete Or Steel, Add	*3.62*	
		For Window Top >10' Above Finished Floor, Add	*1.81*	
12 24 13 00-0186	EA	5' Wide Mecho Extended, Regular Snaplock Fascia	102.59	4.54
		For Installation In Concrete Or Steel, Add	*4.52*	
		For Window Top >10' Above Finished Floor, Add	*2.26*	
12 24 13 00-0187	EA	6' Wide Mecho Extended, Regular Snaplock Fascia	121.79	5.45
		For Installation In Concrete Or Steel, Add	*5.42*	
		For Window Top >10' Above Finished Floor, Add	*2.71*	
12 24 13 00-0188	EA	7' Wide Mecho Extended, Regular Snaplock Fascia	143.18	6.36
		For Installation In Concrete Or Steel, Add	*6.33*	
		For Window Top >10' Above Finished Floor, Add	*3.16*	
12 24 13 00-0189	EA	8' Wide Mecho Extended, Regular Snaplock Fascia	162.40	7.27
		For Installation In Concrete Or Steel, Add	*7.23*	
		For Window Top >10' Above Finished Floor, Add	*3.62*	
12 24 13 00-0190	EA	9' Wide Mecho Extended, Regular Snaplock Fascia	183.79	8.17
		For Installation In Concrete Or Steel, Add	*8.14*	
		For Window Top >10' Above Finished Floor, Add	*4.07*	
12 24 13 00-0191	EA	10' Wide Mecho Extended, Regular Snaplock Fascia	207.34	9.09
		For Installation In Concrete Or Steel, Add	*9.04*	
		For Window Top >10' Above Finished Floor, Add	*4.52*	
12 24 13 00-0192	EA	11' Wide Mecho Extended, Regular Snaplock Fascia	224.38	9.99
		For Installation In Concrete Or Steel, Add	*9.94*	
		For Window Top >10' Above Finished Floor, Add	*4.97*	
12 24 13 00-0193	EA	12' Wide Mecho Extended, Regular Snaplock Fascia	367.54	10.90
		For Installation In Concrete Or Steel, Add	*10.85*	
		For Window Top >10' Above Finished Floor, Add	*5.42*	

12 24 13 00-0194 Room Darkening Sill And Side Channel *(12 24 13 00-0009)*

12 24 13 00-0195	EA	36" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	46.80	8.17
		For Installation In Concrete Or Steel, Add	*8.14*	
		For Window Top >10' Above Finished Floor, Add	*4.07*	
12 24 13 00-0196	EA	48" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	60.95	10.90
		For Installation In Concrete Or Steel, Add	*10.85*	
		For Window Top >10' Above Finished Floor, Add	*5.42*	
12 24 13 00-0197	EA	60" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	79.46	13.64
		For Installation In Concrete Or Steel, Add	*13.56*	
		For Window Top >10' Above Finished Floor, Add	*6.78*	
12 24 13 00-0198	EA	72" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	95.78	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0199	EA	84" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	109.93	19.09
		For Installation In Concrete Or Steel, Add	*18.99*	
		For Window Top >10' Above Finished Floor, Add	*9.49*	
12 24 13 00-0200	EA	96" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	126.25	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0201	EA	108" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	142.57	24.54
		For Installation In Concrete Or Steel, Add	*24.41*	
		For Window Top >10' Above Finished Floor, Add	*12.20*	
12 24 13 00-0202	EA	120" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	156.72	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0203	EA	132" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	170.87	30.00
		For Installation In Concrete Or Steel, Add	*29.83*	
		For Window Top >10' Above Finished Floor, Add	*14.92*	
12 24 13 00-0204	EA	144" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	187.20	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0205	EA	36" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	46.80	8.17
		For Installation In Concrete Or Steel, Add	*8.14*	
		For Window Top >10' Above Finished Floor, Add	*4.07*	
12 24 13 00-0206	EA	48" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	97.91	10.90
		For Installation In Concrete Or Steel, Add	*10.85*	
		For Window Top >10' Above Finished Floor, Add	*5.42*	
12 24 13 00-0207	EA	60" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	122.94	13.64
		For Installation In Concrete Or Steel, Add	*13.56*	
		For Window Top >10' Above Finished Floor, Add	*6.78*	
12 24 13 00-0208	EA	72" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	143.61	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0209	EA	84" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	170.81	19.09
		For Installation In Concrete Or Steel, Add	*18.99*	
		For Window Top >10' Above Finished Floor, Add	*9.49*	
12 24 13 00-0210	EA	96" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	193.65	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0211	EA	108" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	229.55	24.54
		For Installation In Concrete Or Steel, Add	*24.41*	
		For Window Top >10' Above Finished Floor, Add	*12.20*	
12 24 13 00-0212	EA	120" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	254.56	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0213	EA	132" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	281.77	30.00
		For Installation In Concrete Or Steel, Add	*29.83*	
		For Window Top >10' Above Finished Floor, Add	*14.92*	
12 24 13 00-0214	EA	144" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	304.61	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0215	EA	36" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	59.85	8.17
		For Installation In Concrete Or Steel, Add	*8.14*	
		For Window Top >10' Above Finished Floor, Add	*4.07*	
12 24 13 00-0216	EA	48" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	82.69	10.90
		For Installation In Concrete Or Steel, Add	*10.85*	
		For Window Top >10' Above Finished Floor, Add	*5.42*	
12 24 13 00-0217	EA	60" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	103.37	13.64
		For Installation In Concrete Or Steel, Add	*13.56*	
		For Window Top >10' Above Finished Floor, Add	*6.78*	
12 24 13 00-0218	EA	72" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	124.04	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0219	EA	84" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	142.54	19.09
		For Installation In Concrete Or Steel, Add	*18.99*	
		For Window Top >10' Above Finished Floor, Add	*9.49*	
12 24 13 00-0220	EA	96" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	163.21	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0221	EA	108" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	183.88	24.54
		For Installation In Concrete Or Steel, Add	*24.41*	
		For Window Top >10' Above Finished Floor, Add	*12.20*	
12 24 13 00-0222	EA	120" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	202.38	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0223	EA	132" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	223.06	30.00
		For Installation In Concrete Or Steel, Add	*29.83*	
		For Window Top >10' Above Finished Floor, Add	*14.92*	
12 24 13 00-0224	EA	144" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	245.91	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	
12 24 13 00-0225	EA	36" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	105.51	8.17
		For Installation In Concrete Or Steel, Add	*8.14*	
		For Window Top >10' Above Finished Floor, Add	*4.07*	
12 24 13 00-0226	EA	48" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	137.05	10.90
		For Installation In Concrete Or Steel, Add	*10.85*	
		For Window Top >10' Above Finished Floor, Add	*5.42*	
12 24 13 00-0227	EA	60" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	170.78	13.64
		For Installation In Concrete Or Steel, Add	*13.56*	
		For Window Top >10' Above Finished Floor, Add	*6.78*	
12 24 13 00-0228	EA	72" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	208.85	16.37
		For Installation In Concrete Or Steel, Add	*16.28*	
		For Window Top >10' Above Finished Floor, Add	*8.14*	
12 24 13 00-0229	EA	84" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	240.39	19.09
		For Installation In Concrete Or Steel, Add	*18.99*	
		For Window Top >10' Above Finished Floor, Add	*9.49*	
12 24 13 00-0230	EA	96" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	276.28	21.82
		For Installation In Concrete Or Steel, Add	*21.70*	
		For Window Top >10' Above Finished Floor, Add	*10.85*	
12 24 13 00-0231	EA	108" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	310.00	24.54
		For Installation In Concrete Or Steel, Add	*24.41*	
		For Window Top >10' Above Finished Floor, Add	*12.20*	
12 24 13 00-0232	EA	120" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	345.89	27.27
		For Installation In Concrete Or Steel, Add	*27.12*	
		For Window Top >10' Above Finished Floor, Add	*13.56*	
12 24 13 00-0233	EA	132" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	377.44	30.00
		For Installation In Concrete Or Steel, Add	*29.83*	
		For Window Top >10' Above Finished Floor, Add	*14.92*	
12 24 13 00-0234	EA	144" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	411.16	32.72
		For Installation In Concrete Or Steel, Add	*32.54*	
		For Window Top >10' Above Finished Floor, Add	*16.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 25 Window Treatment Operating Hardware *(12 20)*

12 25 13 Motorized Drapery Rods *(12 25)*

12 25 13 00-0001 Motorized Drapery Track *(12 25 13)*

12 25 13 00-0002	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,545.76	136.47
12 25 13 00-0003	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,613.34	150.11
12 25 13 00-0004	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,680.93	163.76
12 25 13 00-0005	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,748.51	177.40
12 25 13 00-0006	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,816.09	191.05
12 25 13 00-0007	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,883.69	204.69
12 25 13 00-0008	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,951.27	218.34
12 25 13 00-0009	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,018.85	232.00
12 25 13 00-0010	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,086.43	245.64
12 25 13 00-0011	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,154.01	259.29
12 25 13 00-0012	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,221.61	272.93
12 25 13 00-0013	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,289.19	286.58
12 25 13 00-0014	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,356.77	300.22
12 25 13 00-0015	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,424.35	313.87
12 25 13 00-0016	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,491.93	327.52
12 25 13 00-0017	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,559.52	341.16
12 25 13 00-0018	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,627.11	354.81
12 25 13 00-0019	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,694.69	368.45
12 25 13 00-0020	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,762.28	382.10
12 25 13 00-0021	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,829.86	395.75
12 25 13 00-0022	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,897.44	409.40

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

12 31 16 Manufactured Metal Sandwich Panel Casework *(12 31)*

12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets *(12 31 16)*

12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets *(12 31 16 00-0001)*

12 31 16 00-0003 18" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	2,056.57	299.01
		For 16 Gauge Stainless Steel, Add	*313.55*	
		For >5 To 9, Deduct	*-76.56*	
		For >9, Deduct	*-153.13*	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	3,295.27	299.01
		For 16 Gauge Stainless Steel, Add	*579.87*	
		For >5 To 9, Deduct	*-141.60*	
		For >9, Deduct	*-283.19*	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	3,061.54	299.01
		For 16 Gauge Stainless Steel, Add	*529.62*	
		For >5 To 9, Deduct	*-129.33*	
		For >9, Deduct	*-258.65*	
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	2,827.81	299.01
		For 16 Gauge Stainless Steel, Add	*479.37*	
		For >5 To 9, Deduct	*-117.05*	
		For >9, Deduct	*-234.11*	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	2,748.49	299.01
		For 16 Gauge Stainless Steel, Add	*462.31*	
		For >5 To 9, Deduct	*-112.89*	
		For >9, Deduct	*-225.78*	

12 31 16 00-0009 24" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	2,946.11	323.16
		For 16 Gauge Stainless Steel, Add	*494.35*	
		For >5 To 9, Deduct	*-120.71*	
		For >9, Deduct	*-241.43*	
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	2,660.91	323.16
		For 16 Gauge Stainless Steel, Add	*433.03*	
		For >5 To 9, Deduct	*-105.74*	
		For >9, Deduct	*-211.48*	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	2,723.35	323.16
		For 16 Gauge Stainless Steel, Add	*446.46*	
		For >5 To 9, Deduct	*-109.02*	
		For >9, Deduct	*-218.04*	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,013.62	323.16
		For 16 Gauge Stainless Steel, Add	*508.86*	
		For >5 To 9, Deduct	*-124.26*	
		For >9, Deduct	*-248.52*	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,893.70	323.16
		For 16 Gauge Stainless Steel, Add	*698.08*	
		For >5 To 9, Deduct	*-170.46*	
		For >9, Deduct	*-340.92*	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	4,270.88	323.16
		For 16 Gauge Stainless Steel, Add	*779.18*	
		For >5 To 9, Deduct	*-190.26*	
		For >9, Deduct	*-380.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0016		30" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,606.61	340.55
		For 16 Gauge Stainless Steel, Add	*414.04*	
		For >5 To 9, Deduct	*-101.10*	
		For >9, Deduct	*-202.20*	
12 31 16 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	3,750.81	340.55
		For 16 Gauge Stainless Steel, Add	*660.04*	
		For >5 To 9, Deduct	*-161.17*	
		For >9, Deduct	*-322.35*	
12 31 16 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	4,803.02	340.55
		For 16 Gauge Stainless Steel, Add	*886.27*	
		For >5 To 9, Deduct	*-216.41*	
		For >9, Deduct	*-432.83*	
12 31 16 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,425.85	340.55
		For 16 Gauge Stainless Steel, Add	*805.18*	
		For >5 To 9, Deduct	*-196.61*	
		For >9, Deduct	*-393.23*	
12 31 16 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	4,192.11	340.55
		For 16 Gauge Stainless Steel, Add	*754.92*	
		For >5 To 9, Deduct	*-184.34*	
		For >9, Deduct	*-368.68*	
12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	3,243.68	340.55
		For 16 Gauge Stainless Steel, Add	*551.01*	
		For >5 To 9, Deduct	*-134.55*	
		For >9, Deduct	*-269.10*	
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	3,214.99	340.55
		For 16 Gauge Stainless Steel, Add	*544.84*	
		For >5 To 9, Deduct	*-133.04*	
		For >9, Deduct	*-266.08*	
12 31 16 00-0024		36" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,874.32	354.07
		For 16 Gauge Stainless Steel, Add	*465.58*	
		For >5 To 9, Deduct	*-113.69*	
		For >9, Deduct	*-227.38*	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	3,483.55	354.07
		For 16 Gauge Stainless Steel, Add	*596.56*	
		For >5 To 9, Deduct	*-145.67*	
		For >9, Deduct	*-291.35*	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	3,259.10	354.07
		For 16 Gauge Stainless Steel, Add	*548.31*	
		For >5 To 9, Deduct	*-133.89*	
		For >9, Deduct	*-267.78*	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,068.20	354.07
		For 16 Gauge Stainless Steel, Add	*937.26*	
		For >5 To 9, Deduct	*-228.87*	
		For >9, Deduct	*-457.73*	
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	4,691.87	354.07
		For 16 Gauge Stainless Steel, Add	*856.35*	
		For >5 To 9, Deduct	*-209.11*	
		For >9, Deduct	*-418.22*	
12 31 16 00-0030		42" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	3,018.40	376.28
		For 16 Gauge Stainless Steel, Add	*487.14*	
		For >5 To 9, Deduct	*-118.95*	
		For >9, Deduct	*-237.90*	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,346.44	376.28
		For 16 Gauge Stainless Steel, Add	*987.66*	
		For >5 To 9, Deduct	*-241.17*	
		For >9, Deduct	*-482.35*	
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	4,969.26	376.28
		For 16 Gauge Stainless Steel, Add	*906.57*	
		For >5 To 9, Deduct	*-221.37*	
		For >9, Deduct	*-442.74*	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,578.58	376.28
		For 16 Gauge Stainless Steel, Add	*822.57*	
		For >5 To 9, Deduct	*-200.86*	
		For >9, Deduct	*-401.72*	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	3,538.18	376.28
		For 16 Gauge Stainless Steel, Add	*598.89*	
		For >5 To 9, Deduct	*-146.24*	
		For >9, Deduct	*-292.48*	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	3,759.25	376.28
		For 16 Gauge Stainless Steel, Add	*646.42*	
		For >5 To 9, Deduct	*-157.85*	
		For >9, Deduct	*-315.69*	
12 31 16 00-0037		48" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,604.77	384.98
		For 16 Gauge Stainless Steel, Add	*1,039.60*	
		For >5 To 9, Deduct	*-253.86*	
		For >9, Deduct	*-507.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,228.43	384.98
		For 16 Gauge Stainless Steel, Add	*958.69*	
		For >5 To 9, Deduct	*-234.10*	
		For >9, Deduct	*-468.20*	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,276.72	384.98
		For 16 Gauge Stainless Steel, Add	*539.07*	
		For >5 To 9, Deduct	*-131.63*	
		For >9, Deduct	*-263.27*	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,837.75	384.98
		For 16 Gauge Stainless Steel, Add	*874.69*	
		For >5 To 9, Deduct	*-213.59*	
		For >9, Deduct	*-427.17*	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	4,020.11	384.98
		For 16 Gauge Stainless Steel, Add	*698.90*	
		For >5 To 9, Deduct	*-170.66*	
		For >9, Deduct	*-341.32*	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	3,959.36	384.98
		For 16 Gauge Stainless Steel, Add	*685.83*	
		For >5 To 9, Deduct	*-167.47*	
		For >9, Deduct	*-334.94*	
12 31 16 00-0044		**60" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	3,921.46	396.71
		For 16 Gauge Stainless Steel, Add	*672.61*	
		For >5 To 9, Deduct	*-164.24*	
		For >9, Deduct	*-328.49*	
12 31 16 00-0046		**18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets** *(12 31 16 00-0001)*		
12 31 16 00-0047		**12" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,564.34	113.84
		For 16 Gauge Stainless Steel, Add	*287.38*	
		For >5 To 9, Deduct	*-70.17*	
		For >9, Deduct	*-140.35*	
12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,560.12	120.73
		For 16 Gauge Stainless Steel, Add	*283.50*	
		For >5 To 9, Deduct	*-69.23*	
		For >9, Deduct	*-138.45*	
12 31 16 00-0050		**18" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,640.69	122.39
		For 16 Gauge Stainless Steel, Add	*300.09*	
		For >5 To 9, Deduct	*-73.28*	
		For >9, Deduct	*-146.55*	
12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,548.72	122.39
		For 16 Gauge Stainless Steel, Add	*280.31*	
		For >5 To 9, Deduct	*-68.45*	
		For >9, Deduct	*-136.90*	
12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,814.12	133.15
		For 16 Gauge Stainless Steel, Add	*332.76*	
		For >5 To 9, Deduct	*-81.26*	
		For >9, Deduct	*-162.51*	
12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,757.59	133.15
		For 16 Gauge Stainless Steel, Add	*320.61*	
		For >5 To 9, Deduct	*-78.29*	
		For >9, Deduct	*-156.58*	
12 31 16 00-0055		**24" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	1,370.53	135.50
		For 16 Gauge Stainless Steel, Add	*236.42*	
		For >5 To 9, Deduct	*-57.73*	
		For >9, Deduct	*-115.46*	
12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,851.49	135.50
		For 16 Gauge Stainless Steel, Add	*339.82*	
		For >5 To 9, Deduct	*-82.98*	
		For >9, Deduct	*-165.96*	
12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,760.36	135.50
		For 16 Gauge Stainless Steel, Add	*320.23*	
		For >5 To 9, Deduct	*-78.20*	
		For >9, Deduct	*-156.39*	
12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,742.86	126.53
		For 16 Gauge Stainless Steel, Add	*320.25*	
		For >5 To 9, Deduct	*-78.20*	
		For >9, Deduct	*-156.40*	
12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,645.82	126.53
		For 16 Gauge Stainless Steel, Add	*299.39*	
		For >5 To 9, Deduct	*-73.11*	
		For >9, Deduct	*-146.21*	
12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	2,100.63	126.53
		For 16 Gauge Stainless Steel, Add	*397.17*	
		For >5 To 9, Deduct	*-96.98*	
		For >9, Deduct	*-193.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,255.98	126.53
		For 16 Gauge Stainless Steel, Add	*215.57*	
		For >5 To 9, Deduct	*-52.64*	
		For >9, Deduct	*-105.28*	
12 31 16 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,182.95	120.73
		For 16 Gauge Stainless Steel, Add	*202.41*	
		For >5 To 9, Deduct	*-49.43*	
		For >9, Deduct	*-98.85*	

12 31 16 00-0064 30" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,395.13	143.92
		For 16 Gauge Stainless Steel, Add	*453.06*	
		For >5 To 9, Deduct	*-110.63*	
		For >9, Deduct	*-221.26*	
12 31 16 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,174.05	143.92
		For 16 Gauge Stainless Steel, Add	*405.53*	
		For >5 To 9, Deduct	*-99.02*	
		For >9, Deduct	*-198.05*	
12 31 16 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,471.16	143.92
		For 16 Gauge Stainless Steel, Add	*254.41*	
		For >5 To 9, Deduct	*-62.12*	
		For >9, Deduct	*-124.25*	
12 31 16 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,277.38	132.47
		For 16 Gauge Stainless Steel, Add	*432.66*	
		For >5 To 9, Deduct	*-105.65*	
		For >9, Deduct	*-211.30*	
12 31 16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	2,056.31	132.47
		For 16 Gauge Stainless Steel, Add	*385.13*	
		For >5 To 9, Deduct	*-94.04*	
		For >9, Deduct	*-188.09*	
12 31 16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,353.42	132.47
		For 16 Gauge Stainless Steel, Add	*234.01*	
		For >5 To 9, Deduct	*-57.14*	
		For >9, Deduct	*-114.28*	
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,279.90	126.26
		For 16 Gauge Stainless Steel, Add	*220.91*	
		For >5 To 9, Deduct	*-53.94*	
		For >9, Deduct	*-107.89*	

12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,490.44	148.06
		For 16 Gauge Stainless Steel, Add	*471.78*	
		For >5 To 9, Deduct	*-115.20*	
		For >9, Deduct	*-230.41*	
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,264.31	148.06
		For 16 Gauge Stainless Steel, Add	*423.17*	
		For >5 To 9, Deduct	*-103.33*	
		For >9, Deduct	*-206.66*	
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,566.48	148.06
		For 16 Gauge Stainless Steel, Add	*273.13*	
		For >5 To 9, Deduct	*-66.69*	
		For >9, Deduct	*-133.39*	
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,371.27	135.50
		For 16 Gauge Stainless Steel, Add	*451.58*	
		For >5 To 9, Deduct	*-110.27*	
		For >9, Deduct	*-220.54*	
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,151.04	135.50
		For 16 Gauge Stainless Steel, Add	*404.23*	
		For >5 To 9, Deduct	*-98.71*	
		For >9, Deduct	*-197.41*	
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,447.31	135.50
		For 16 Gauge Stainless Steel, Add	*252.92*	
		For >5 To 9, Deduct	*-61.76*	
		For >9, Deduct	*-123.52*	
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,375.32	129.02
		For 16 Gauge Stainless Steel, Add	*240.21*	
		For >5 To 9, Deduct	*-58.66*	
		For >9, Deduct	*-117.31*	

12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,616.30	186.28
		For 16 Gauge Stainless Steel, Add	*482.47*	
		For >5 To 9, Deduct	*-117.81*	
		For >9, Deduct	*-235.62*	
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,618.75	175.79
		For 16 Gauge Stainless Steel, Add	*487.48*	
		For >5 To 9, Deduct	*-119.04*	
		For >9, Deduct	*-238.07*	
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,394.30	175.79
		For 16 Gauge Stainless Steel, Add	*439.22*	
		For >5 To 9, Deduct	*-107.25*	
		For >9, Deduct	*-214.50*	
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,693.10	175.79
		For 16 Gauge Stainless Steel, Add	*288.47*	
		For >5 To 9, Deduct	*-70.44*	
		For >9, Deduct	*-140.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,465.46	147.64
		For 16 Gauge Stainless Steel, Add	*466.59*	
		For >5 To 9, Deduct	*-113.94*	
		For >9, Deduct	*-227.87*	
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,242.70	147.64
		For 16 Gauge Stainless Steel, Add	*418.70*	
		For >5 To 9, Deduct	*-102.24*	
		For >9, Deduct	*-204.48*	
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,541.50	147.64
		For 16 Gauge Stainless Steel, Add	*267.94*	
		For >5 To 9, Deduct	*-65.43*	
		For >9, Deduct	*-130.86*	
12 31 16 00-0088		48" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*		
12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	2,307.84	186.28
		For 16 Gauge Stainless Steel, Add	*414.54*	
		For >5 To 9, Deduct	*-101.22*	
		For >9, Deduct	*-202.45*	
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,712.20	179.66
		For 16 Gauge Stainless Steel, Add	*505.86*	
		For >5 To 9, Deduct	*-123.53*	
		For >9, Deduct	*-247.05*	
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,491.12	179.66
		For 16 Gauge Stainless Steel, Add	*458.33*	
		For >5 To 9, Deduct	*-111.92*	
		For >9, Deduct	*-223.84*	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,788.24	179.66
		For 16 Gauge Stainless Steel, Add	*307.21*	
		For >5 To 9, Deduct	*-75.02*	
		For >9, Deduct	*-150.03*	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,557.57	149.02
		For 16 Gauge Stainless Steel, Add	*485.76*	
		For >5 To 9, Deduct	*-118.61*	
		For >9, Deduct	*-237.23*	
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,337.34	149.02
		For 16 Gauge Stainless Steel, Add	*438.41*	
		For >5 To 9, Deduct	*-107.05*	
		For >9, Deduct	*-214.11*	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,633.61	149.02
		For 16 Gauge Stainless Steel, Add	*287.10*	
		For >5 To 9, Deduct	*-70.11*	
		For >9, Deduct	*-140.21*	
12 31 16 00-0096		Accessories *(12 31 16 00-0001)*		
12 31 16 00-0097		Stainless Steel Countertops *(12 31 16 00-0096)*		
		Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash	116.69	7.59
		For 14 Gauge Stainless Steel, Add	*22.43*	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash	107.19	7.59
		For 14 Gauge Stainless Steel, Add	*20.33*	
12 31 16 00-0100	EA	Cutout For Sink And/or Faucet In Stainless Steel Countertop	203.40	
12 31 16 00-0101		Stainless Steel Wall Panels *(12 31 16 00-0096)*		
12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel	41.59	11.31
		For 18 Gauge Stainless Steel, Add	*5.16*	
		For 16 Gauge Stainless Steel, Add	*9.93*	
12 31 16 00-0103		Pedestal Legs *(12 31 16 00-0096)*		
12 31 16 00-0104	EA	Type #304 Stainless Steel Pedestal Leg	339.41	17.25
12 31 16 00-0105		Stainless Steel Slanted Cabinet Top Enclosure *(12 31 16 00-0096)*		
12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	376.88	33.91

12 35 Specialty Casework *(12 30)*

12 35 59 Display Casework *(12 35)*

See CSI section 10 12 00 00-0000 for display cases.

12 35 70 Healthcare Casework *(12 35)*

12 35 70 13 Hospital Casework *(12 35 70)*

12 35 70 13-0001 Modular Casework *(12 35 70 13)*

Note: Midmark.

12 35 70 13-0002	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624)	953.85	94.59
12 35 70 13-0003	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624)	1,183.15	118.23
12 35 70 13-0004	EA	36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624)	1,658.16	94.59
12 35 70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624)	1,904.36	118.23
12 35 70 13-0006	EA	36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624)	1,079.22	94.59
12 35 70 13-0007	EA	36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624)	1,450.78	118.23
12 35 70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624)	1,083.44	94.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624)	1,166.55	94.59
12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624)	1,238.39	94.59
12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624)	1,547.98	118.23
12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624)	1,571.93	118.23
12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624)	1,453.91	94.59
12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624)	1,688.84	118.23
12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624)	1,740.96	118.23
12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624)	1,272.20	94.59
12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624)	1,308.82	94.59
12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624)	1,403.20	94.59
12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624)	2,338.22	118.23
12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624)	2,470.63	118.23
12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624)	1,641.25	94.59
12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624)	1,738.45	94.59
12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624)	1,906.08	94.59
12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424)	3,337.65	283.76
12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424)	3,065.78	283.76
12 35 70 13-0026	EA	Desk Filler Panel (Midmark MC-SDA003-060501)	125.07	23.65
12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014)	694.66	94.59
12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014)	681.98	94.59
12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014)	727.06	94.59
12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014)	787.63	94.59
12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014)	856.65	94.59
12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014)	980.31	118.23
12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014)	1,063.41	118.23
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014)	1,305.70	118.23
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014)	1,452.19	118.23
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	182.33	20.34
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	355.80	27.12
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit Note: Includes blocking	44.72	16.96
12 35 70 13-0039		**Hospital Cabinets** *(12 35 70 13)*		
12 35 70 13-0040	LF	Hospital Base Cabinet, Laminated Plastic	626.40	108.52
12 35 70 13-0041	LF	Hospital Base Cabinet, Enameled Steel	723.58	108.52
12 35 70 13-0042	LF	Hospital Base Cabinet, Stainless Steel	1,095.73	108.52
12 35 70 13-0043	LF	Hospital Cabinet Base Trim, 4" High Enameled Steel	77.01	5.43
12 35 70 13-0044	LF	Hospital Cabinet Base Trim, 4" High Stainless Steel	160.74	5.43
12 35 70 13-0045	LF	Hospital Counter Top, Laminated Plastic Without Backsplash	128.69	27.13
12 35 70 13-0046	LF	Hospital Counter Top, Laminated Plastic With Backsplash	141.10	27.13
12 35 70 13-0047	LF	Hospital Counter Top, Stainless Steel	292.02	27.13
12 35 70 13-0048	LF	Hospital Wall Cabinet, Laminated Plastic	506.95	72.57
12 35 70 13-0049	LF	Hospital Wall Cabinet, Enameled Steel	610.33	72.57
12 35 70 13-0050	LF	Hospital Wall Cabinet, Stainless Steel	920.45	72.57
12 35 70 13-0051		**Operating Room Stainless Cabinets** *(12 35 70 13)*		
12 35 70 13-0052	EA	18-3/4" Deep x 24-3/4" Wide x 84" High, Left Hinge Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5124LGAS) Note: Includes 9" wire basket (1 EA), 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (2 EA), and metal economy shelf for 18" deep cabinets (1 EA).	6,646.13	339.12
12 35 70 13-0053	EA	18-3/4" Deep x 36" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 519618DGAS) Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (5 EA).	10,182.76	406.95
12 35 70 13-0054	EA	18-3/4" Deep x 49-1/2" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 514818DGAS) Note: Includes 9" wire basket (2 EA), 9" tray with 1 short and 1 long divider (2 EA), 6" tray with 2 short and 2 long dividers (8 EA), 3" tray with 3 short and 3 long dividers (4 EA), and metal economy shelf for 18" deep cabinets (2 EA).	11,666.52	474.76
12 35 70 13-0055	EA	18-3/4" Deep x 36" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 519618DGAS) Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (1 EA) and cath manager, 6 in-line hooks, includes hardware (7 EA).	10,202.29	406.95
12 35 70 13-0056	EA	24-3/4" Deep x 17-3/4" Wide x 84" High, Left Hinge Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5118LGAS) Note: Includes 9" wire basket (1 EA), 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (2 EA), and metal economy shelf for 24" deep cabinets (1 EA).	6,646.13	339.12
12 35 70 13-0057	EA	24-3/4" Deep x 34" Wide x 84" High, Glass Door, Stainless Cabinet (Stanley Healthcare 5136DGAS-NC) Note: Includes metal shelf, accepts cath managers (21-5/8" deep x 31" wide) (5 EA).	9,842.98	474.76
12 35 70 13-0058	EA	24-3/4" Deep x 34" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5136DGAS) Note: Includes 9" wire basket (2 EA), 9" tray with 1 short and 1 long divider (2 EA), 6" tray with 2 short and 2 long dividers (8 EA), 3" tray with 3 short and 3 long dividers (4 EA), and metal economy shelf for 24" deep cabinets (2 EA).	11,666.52	474.76
12 35 70 13-0059	EA	24-3/4" Deep x 34" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5136DGAS) Note: Includes 9" wire basket (1 EA), 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (2 EA), metal economy shelf for 24" deep cabinets (1 EA), metal shelf, accepts cath managers (21-5/8" deep x 14-3/4" wide) (1 EA), and cath manager, 8 in-line hooks, includes hardware (3 EA).	11,031.55	474.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0060	EA	18-3/4" Deep x 24-3/4" Wide x 60" High, Recessed, Left Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516024LGAS) Note: Includes 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (1 EA), and metal economy shelf for 18" deep cabinets (1 EA).	6,421.25	406.95
12 35 70 13-0061	EA	18-3/4 Deep" x 36" Wide x 60" High, Recessed, Double Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516036DGAS) Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (4 EA).	9,549.92	474.76
12 35 70 13-0062	EA	18-3/4" Deep x 49-3/4" Wide x 60" High, Recessed, Double Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516049DGAS) Note: Includes 9" tray with 1 short and 1 long divider (2 EA), 6" tray with 2 short and 2 long dividers (8 EA), 3" tray with 3 short and 3 long dividers (2 EA), and metal economy shelf for 18" deep cabinets (2 EA).	11,674.71	542.59
12 35 70 13-0063	EA	18-3/4" Deep x 36" Wide x 60" High, Recessed, Double Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516036DGAS) Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (1 EA) and cath manager, 6 in-line hooks, includes hardware (7 EA).	9,803.91	474.76

12 35 70 19 Exam Room Casework *(12 35 70)*

12 35 70 19-0001 Medical Exam Room Cabinetwork *(12 35 70 19)*

12 35 70 19-0002 Medical Exam Room Wall Cabinets *(12 35 70 19-0001)*

12 35 70 19-0003 Medical Exam Room Wall Cabinets (Clinton Industries®) *(12 35 70 19-0002)*

Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.

12 35 70 19-0004	EA	24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212)	553.45	42.03
		For Additional Shelf, Add	*48.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.21*	
12 35 70 19-0005	EA	24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224)	602.24	42.03
		For Additional Shelf, Add	*48.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.21*	
12 35 70 19-0006	EA	36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236)	976.55	54.92
		For Additional Shelf, Add	*48.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.73*	
12 35 70 19-0007	EA	42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242)	1,063.31	57.63
		For Additional Shelf, Add	*48.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.83*	
12 35 70 19-0008	EA	48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248)	1,173.69	61.70
		For Additional Shelf, Add	*48.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.99*	
12 35 70 19-0009	EA	54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254)	1,325.89	65.77
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*76.98*	
		For Lock And Inside Latch Combo For Double Doors, Add	*114.16*	
12 35 70 19-0010	EA	66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266)	1,525.92	70.52
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*77.17*	
		For Lock And Inside Latch Combo For Double Doors, Add	*114.35*	
12 35 70 19-0011	EA	72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272)	1,615.38	74.58
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*77.33*	
		For Lock And Inside Latch Combo For Double Doors, Add	*114.51*	

12 35 70 19-0012 Medical Exam Room Base Cabinets *(12 35 70 19-0001)*

12 35 70 19-0013 Medical Exam Room Base Cabinets (Ritter®) *(12 35 70 19-0012)*

Note: Includes polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.

12 35 70 19-0014	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060)	1,845.63	103.73
		For Lock For Single Door/Drawer, Add	*78.49*	
		For Soft Edge Top, Add	*569.29*	
12 35 70 19-0015	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001)	1,908.37	103.73
		For Lock For Single Door/Drawer, Add	*78.49*	
		For Soft Edge Top, Add	*569.29*	
12 35 70 19-0016	EA	24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001)	2,140.74	103.73
		For Lock For Single Door/Drawer, Add	*78.49*	
		For Soft Edge Top, Add	*569.29*	
12 35 70 19-0017	EA	24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002)	2,159.33	103.73
		For Lock For Single Door/Drawer, Add	*78.49*	
		For Soft Edge Top, Add	*569.29*	
12 35 70 19-0018	EA	24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002)	2,438.16	103.73
		For Lock For Single Door/Drawer, Add	*78.49*	
		For Soft Edge Top, Add	*569.29*	

12 35 70 19-0019 Medical Exam Room Base Cabinets (Clinton Industries®) *(12 35 70 19-0012)*

Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.

12 35 70 19-0020	EA	24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76) Note: Includes stainless steel sink and faucet.	978.01	169.50
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*81.10*	
		For Lock And Inside Latch Combo For Double Doors, Add	*118.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0021	EA	24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024)	1,299.58	103.73
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*78.49*	
		For Lock And Inside Latch Combo For Double Doors, Add	*115.67*	
12 35 70 19-0022	EA	36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036)	1,871.40	116.62
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*79.00*	
		For Lock And Inside Latch Combo For Double Doors, Add	*116.18*	
12 35 70 19-0023	EA	42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042)	2,025.15	126.11
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*79.38*	
		For Lock And Inside Latch Combo For Double Doors, Add	*116.56*	
12 35 70 19-0024	EA	48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048)	2,211.07	142.38
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*80.02*	
		For Lock And Inside Latch Combo For Double Doors, Add	*117.20*	
12 35 70 19-0025	EA	54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054)	2,658.96	152.55
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*80.43*	
		For Lock And Inside Latch Combo For Double Doors, Add	*117.61*	
12 35 70 19-0026	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066)	2,937.22	162.72
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*80.83*	
		For Lock And Inside Latch Combo For Double Doors, Add	*118.01*	
12 35 70 19-0027	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99)	3,137.50	237.30
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*83.80*	
		For Lock And Inside Latch Combo For Double Doors, Add	*120.98*	
12 35 70 19-0028	EA	72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072)	3,131.84	172.89
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*81.24*	
		For Lock And Inside Latch Combo For Double Doors, Add	*118.42*	
12 35 70 19-0029	EA	72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99)	3,592.17	250.87
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*48.80*	
		For Lock For Single Door/Drawer, Add	*84.34*	
		For Lock And Inside Latch Combo For Double Doors, Add	*121.52*	

12 35 70 19-0030 Medical Exam Room Cabinet Combinations *(12 35 70 19-0001)*

12 35 70 19-0031 Medical Exam Room Cabinet Combinations (Ritter®) *(12 35 70 19-0030)*

Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.

12 35 70 19-0032	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	3,000.00	203.40
		For Locks On Single Drawer And All Doors, Add	*739.44*	
12 35 70 19-0033	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	3,090.63	203.40
		For Locks On Single Drawer And All Doors, Add	*739.44*	
12 35 70 19-0034	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	3,756.77	257.64
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*742.68*	
12 35 70 19-0035	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	3,886.90	257.64
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*742.68*	
12 35 70 19-0036	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	3,462.41	203.40
		For Locks On Single Drawer And All Doors, Add	*739.44*	
12 35 70 19-0037	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	3,555.36	203.40
		For Locks On Single Drawer And All Doors, Add	*739.44*	
12 35 70 19-0038	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	4,495.69	257.64
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*742.68*	
12 35 70 19-0039	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	4,583.99	257.64
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*742.68*	
12 35 70 19-0040	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	3,922.49	203.40
		For Locks On Single Drawer And All Doors, Add	*739.44*	
12 35 70 19-0041	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	4,020.09	203.40
		For Locks On Single Drawer And All Doors, Add	*739.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0042	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care) Note: Includes stainless steel sink and faucet.	4,958.10	257.64
		For Locks On Single Drawer And All Doors, Add	*742.68*	
12 35 70 19-0043	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care) Note: Includes stainless steel sink and faucet.	5,053.37	257.64
		For Locks On Single Drawer And All Doors, Add	*742.68*	
12 35 70 19-0044	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	4,441.46	230.52
		For Locks On Single Drawer And All Doors, Add	*741.06*	
12 35 70 19-0045	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	4,529.76	230.52
		For Locks On Single Drawer And All Doors, Add	*741.06*	
12 35 70 19-0046	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional) Note: Includes stainless steel sink and faucet.	5,474.75	284.76
		For Locks On Single Drawer And All Doors, Add	*744.29*	
12 35 70 19-0047	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional) Note: Includes stainless steel sink and faucet.	5,579.31	284.76
		For Locks On Single Drawer And All Doors, Add	*744.29*	

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

12 36 23 13-0001 Plastic Laminate Countertops *(12 36 23 13)*

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	19.90	13.56
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash	26.88	13.56
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	33.20	4.07
12 36 23 13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop	113.00	

12 36 53 Laboratory Countertops *(12 36)*

12 36 53 00-0001 Epoxy Resin Laboratory Countertops *(12 36 53)*

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	63.77	6.78
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	65.81	6.78
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	79.89	6.78
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	24.57	4.07
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	32.79	4.07

12 36 53 00-0007 Epoxy Resin Laboratory Sinks *(12 36 53)*

Note: Includes cut out for sinks, and sink strainer assembly set.

12 36 53 00-0008 Epoxy Resin Laboratory Undermount Sink *(12 36 53 00-0007)*

12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	643.94	127.81
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	654.19	127.81
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	763.75	127.81
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	654.19	127.81
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	694.47	138.56
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	730.99	138.56
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,489.76	138.56
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink	814.44	138.56
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	844.31	148.11
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,032.63	148.11
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,233.44	148.11
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,666.81	148.11
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,380.95	148.11
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,863.29	148.11
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	3,912.33	151.69

12 36 53 00-0024 Epoxy Resin Laboratory Drop-in Sink *(12 36 53 00-0007)*

12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	642.41	127.81
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	643.92	127.81
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink	748.97	127.81
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	654.19	127.81
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	688.35	127.81
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	688.35	127.81
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink	694.47	138.56
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	730.99	138.56
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	751.90	138.56
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	757.11	138.56
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	883.33	138.56
12 36 53 00-0036	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	913.20	148.11
12 36 53 00-0037	EA	25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	932.63	148.11
12 36 53 00-0038	EA	25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	939.23	148.11
12 36 53 00-0039	EA	30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	1,375.88	148.11
12 36 53 00-0040	EA	10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	652.03	126.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0041	EA	12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	669.73	126.61
12 36 53 00-0042		**Epoxy Resin Laboratory ADA Drop-in Sink** *(12 36 53 00-0007)*		
12 36 53 00-0043	EA	14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	648.21	126.61
12 36 53 00-0044	EA	14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	696.57	126.61
12 36 53 00-0045	EA	14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	721.28	126.61
12 36 53 00-0046	EA	25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	939.23	148.11
12 36 53 00-0047		**Epoxy Resin Laboratory Cup Sink** *(12 36 53 00-0007)*		
12 36 53 00-0048	EA	6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink	427.09	102.72
12 36 53 00-0049		**Polypropylene Laboratory Countertops** *(12 36 53)*		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0050	SF	3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	29.58	6.78
12 36 53 00-0051	SF	1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	32.60	6.78
12 36 53 00-0052	SF	1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	36.47	6.78
12 36 53 00-0053	LF	4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	13.17	4.07
12 36 53 00-0054	LF	6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	15.69	4.07
12 36 53 00-0055		**Polypropylene Laboratory Sinks** *(12 36 53)*		
		Note: Includes cut out for sinks, and sink strainer assembly set.		
12 36 53 00-0056		**Polypropylene Laboratory Undermount Sink** *(12 36 53 00-0055)*		
12 36 53 00-0057	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	748.15	127.81
12 36 53 00-0058	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	790.29	127.81
12 36 53 00-0059	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	779.93	127.81
12 36 53 00-0060	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink	820.14	138.56
12 36 53 00-0061	EA	16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	1,021.26	138.56
12 36 53 00-0062	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	1,031.76	138.56
12 36 53 00-0063	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	1,031.76	138.56
12 36 53 00-0064	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	1,104.00	148.11
12 36 53 00-0065	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink	1,157.17	148.11
12 36 53 00-0066	EA	23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,104.00	148.11
12 36 53 00-0067	EA	30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink	1,739.18	148.11
12 36 53 00-0068	EA	31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,729.74	148.11
12 36 53 00-0069	EA	42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink	3,061.38	151.69
12 36 53 00-0070		**Polypropylene Laboratory Drop-in Sink** *(12 36 53 00-0055)*		
12 36 53 00-0071	EA	11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	642.34	127.81
12 36 53 00-0072	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	1,042.02	127.81
12 36 53 00-0073	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	684.43	127.81
12 36 53 00-0074	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink	674.10	127.81
12 36 53 00-0075	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	925.92	138.56
12 36 53 00-0076	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	714.28	138.56
12 36 53 00-0077	EA	18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	925.92	138.56
12 36 53 00-0078	EA	16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	904.64	138.56
12 36 53 00-0079	EA	18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	883.98	138.56
12 36 53 00-0080	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	925.92	138.56
12 36 53 00-0081	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	998.16	148.11
12 36 53 00-0082	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,051.31	148.11
12 36 53 00-0083	EA	31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,570.45	148.11
12 36 53 00-0084	EA	12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink	599.37	126.61
12 36 53 00-0085		**Polypropylene Laboratory ADA Drop-in Sink** *(12 36 53 00-0055)*		
12 36 53 00-0086	EA	16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	883.98	138.56
12 36 53 00-0087	EA	25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	1,027.50	148.11
12 36 53 00-0088		**Polypropylene Laboratory Cup Sink** *(12 36 53 00-0055)*		
12 36 53 00-0089	EA	6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink	466.67	126.61
12 36 53 00-0090		**Phenolic Resin Laboratory Countertops** *(12 36 53)*		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0091	SF	3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	52.35	6.78
12 36 53 00-0092	SF	1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	59.10	6.78
12 36 53 00-0093	SF	1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	63.79	6.78
12 36 53 00-0094	LF	4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	20.02	4.07
12 36 53 00-0095	LF	6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	25.90	4.07
12 36 53 00-0096		**High Pressure Laminate Laboratory Countertops** *(12 36 53)*		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0097	SF	3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	30.54	6.78
12 36 53 00-0098	SF	1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	32.09	6.78
12 36 53 00-0099	SF	1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	32.09	6.78
12 36 53 00-0100	LF	4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	16.95	4.07
12 36 53 00-0101	LF	6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	16.95	4.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61		**Simulated Stone Countertops** *(12 36)*		
12 36 61 16		**Solid Surfacing Countertops** *(12 36 61)*		
12 36 61 16-0001		Solid Surface Countertops *(12 36 61 16)*		
12 36 61 16-0002		Solid Surface Countertops *(12 36 61 16-0001)* Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.		
12 36 61 16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.	52.35	9.05
		For Up To 50, Add	*17.17*	
		For >50 To 100, Add	*9.88*	
12 36 61 16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).	75.75	13.56
		For Up To 50, Add	*24.58*	
		For >50 To 100, Add	*14.41*	
12 36 61 16-0005	SF	3/4" Thick, Solid Color, Solid Surface Countertop Without Backsplash Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).	95.69	13.56
		For Up To 50, Add	*31.46*	
		For >50 To 100, Add	*18.04*	
12 36 61 16-0006	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	91.27	13.56
		For Up To 50, Add	*29.23*	
		For >50 To 100, Add	*17.51*	
12 36 61 16-0007	LF	1/2" Thick, Solid Color, Solid Surface 4" End Splash For Solid Surface Countertops	30.03	5.76
12 36 61 16-0008	EA	Cutout For Undercounter Sink In Solid Surface Countertop Note: Not including integral seamed sinks	203.40	
12 36 61 16-0009		Integral Seamless Solid Surface Lavatory *(12 36 61 16-0001)* Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0010	EA	16-1/2" x 13-1/8"" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810)	304.13	
12 36 61 16-0011	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815)	372.36	
12 36 61 16-0012	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816)	284.29	
12 36 61 16-0013	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820)	273.12	
12 36 61 16-0014	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830)	372.36	
12 36 61 16-0015	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831)	372.36	
12 36 61 16-0016	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835)	372.36	
12 36 61 16-0017	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837)	372.36	
12 36 61 16-0018		Integral Seamless Solid Surface Kitchen Sink *(12 36 61 16-0001)* Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0019	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink	402.48	
12 36 61 16-0020	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink	619.57	
12 36 61 16-0021	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	793.24	
12 36 61 16-0022	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	850.30	
12 36 61 16-0023	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink	850.30	
12 36 61 19		**Quartz Agglomerate Countertops** *(12 36 61)*		
12 36 61 19-0001		Quartz Agglomerate Countertops *(12 36 61 19)* Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.		
12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	83.79	18.98
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	101.57	18.98
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	93.62	21.70
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash	111.38	21.70
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	18.55	5.76
12 36 61 19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop	203.40	
12 40		**Furnishings and Accessories** *(12)*		
12 41		**Office Accessories** *(12 40)*		
12 41 11		**Office Accessories** *(12 41)*		
12 41 11 00-0001		Wall Mounted Office Accessories *(12 41 11)*		
12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK)	27.13	4.55
12 41 11 00-0003	EA	Wall Mounted Flag	20.26	4.55
12 41 11 00-0004		Desk Edge Mounted Clamps *(12 41 11)*		
12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and tabletops, clamp adjusts to support 1/8" to 3/8" thick panels.	41.68	
		For >10 To 50, Deduct	*-10.19*	
		For >50, Deduct	*-16.30*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 48 Rugs and Mats *(12 40)*

12 48 13 Entrance Floor Mats and Frames *(12 48)*

12 48 13 13 Entrance Floor Mats *(12 48 13)*

12 48 13 13-0001 Floor Mats *(12 48 13 13)*

12 48 13 13-0002	SF	3/8" Thick Solid Recessed Floor Mat	33.84	2.90
		For Colors, Add	*5.61*	
12 48 13 13-0003	SF	1/2" Thick Solid Recessed Floor Mat	42.47	2.90
		For Colors, Add	*7.33*	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessed Floor Mat	36.00	2.90
		For Colors, Add	*6.04*	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessed Floor Mat	44.63	2.90
		For Colors, Add	*7.77*	

12 48 13 13-0006 Link Mats *(12 48 13 13)*

Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	48.99	2.90
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	35.47	2.90
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	21.88	2.90
12 48 13 13-0010	SF	Vinyl Link Mats, Color	38.67	2.90
12 48 13 13-0011	LF	Rubber Nosing	5.03	1.27

12 48 13 13-0012 Duckboard *(12 48 13 13)*

12 48 13 13-0013	SF	Aluminum Slats	71.10	3.53
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	16.61	3.53
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	18.02	3.53
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	25.01	3.53
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	22.92	3.53
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	35.46	3.53

12 48 13 16 Entrance Floor Mat Frames *(12 48 13)*

12 48 13 16-0001 Recessed Frames *(12 48 13 16)*

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	31.19	5.43
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	19.26	5.43

12 50 Furniture *(12)*

12 56 Institutional Furniture *(12 50)*

12 56 53 Laboratory Furniture *(12 56)*

12 56 53 00-0001 Steel Laboratory Furniture *(12 56 53)*

12 56 53 00-0002 Modular Steel Laboratory Cabinets *(12 56 53 00-0001)*

12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets *(12 56 53 00-0002)*

12 56 53 00-0004	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,152.44	117.20
12 56 53 00-0005	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,150.18	117.20
12 56 53 00-0006	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,257.71	127.91
12 56 53 00-0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,196.50	127.91
12 56 53 00-0008	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,419.96	144.33
12 56 53 00-0009	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,465.46	149.07
12 56 53 00-0010	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,616.29	164.40
12 56 53 00-0011	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,678.90	170.78
12 56 53 00-0012	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,630.51	165.76
12 56 53 00-0013	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,636.22	166.44
12 56 53 00-0014	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,730.11	175.94
12 56 53 00-0015	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,693.07	172.14
12 56 53 00-0016	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,262.31	230.05
12 56 53 00-0017	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,304.56	234.40
12 56 53 00-0018	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,543.93	258.68
12 56 53 00-0019	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,584.08	262.75
12 56 53 00-0020	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,367.74	240.77
12 56 53 00-0021	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,634.87	268.04
12 56 53 00-0022	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,557.79	268.04
12 56 53 00-0023	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,392.28	242.81
12 56 53 00-0024	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,371.88	242.81
12 56 53 00-0025	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,561.03	260.45
12 56 53 00-0026	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,542.97	260.03
12 56 53 00-0027	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,782.19	282.69
12 56 53 00-0028	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,865.42	291.37
12 56 53 00-0029	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,135.54	318.77
12 56 53 00-0030	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,209.19	326.37
12 56 53 00-0031	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,677.73	272.24
12 56 53 00-0032	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,518.37	256.10
12 56 53 00-0033	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,845.58	289.34
12 56 53 00-0034	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,706.14	275.23
12 56 53 00-0035	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,036.46	308.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0036	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,036.46	308.73
12 56 53 00-0037	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,323.25	337.90
12 56 53 00-0038	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,204.15	325.83
12 56 53 00-0039	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,722.03	378.46
12 56 53 00-0040	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,735.63	378.60
12 56 53 00-0041	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,057.87	412.64
12 56 53 00-0042	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,097.72	416.71
12 56 53 00-0043	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,555.82	463.24
12 56 53 00-0044	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,698.15	477.75
12 56 53 00-0045	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,461.58	477.48
12 56 53 00-0046	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,979.63	506.37
12 56 53 00-0047	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,865.91	494.84
12 56 53 00-0048	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,162.61	219.89
12 56 53 00-0049	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,105.93	220.43
12 56 53 00-0050	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,256.52	229.38
12 56 53 00-0051	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,199.85	229.38
12 56 53 00-0052	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,030.46	308.19
12 56 53 00-0053	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	2,620.74	266.41

12 56 53 00-0054 35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets *(12 56 53 00-0002)*

12 56 53 00-0055	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,206.52	122.77
12 56 53 00-0056	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,199.71	122.77
12 56 53 00-0057	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,274.85	129.68
12 56 53 00-0058	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,232.15	125.47
12 56 53 00-0059	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,459.78	148.53
12 56 53 00-0060	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,530.92	155.32
12 56 53 00-0061	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,633.36	166.17
12 56 53 00-0062	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,695.97	172.95
12 56 53 00-0063	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,710.20	173.62
12 56 53 00-0064	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,710.20	173.62
12 56 53 00-0065	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,815.48	184.48
12 56 53 00-0066	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,794.07	187.19
12 56 53 00-0067	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,370.35	240.77
12 56 53 00-0068	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,432.95	246.88
12 56 53 00-0069	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,615.12	265.87
12 56 53 00-0070	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,674.84	271.97
12 56 53 00-0071	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	2,635.03	267.91
12 56 53 00-0072	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	2,709.03	275.36
12 56 53 00-0073	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,890.88	293.67
12 56 53 00-0074	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,124.08	317.42
12 56 53 00-0075	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,104.04	317.42
12 56 53 00-0076	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,842.72	288.25
12 56 53 00-0077	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,581.23	289.61
12 56 53 00-0078	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,987.85	303.85
12 56 53 00-0079	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,940.25	303.85
12 56 53 00-0080	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,292.31	334.78
12 56 53 00-0081	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,423.25	348.07
12 56 53 00-0082	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,635.89	369.78
12 56 53 00-0083	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,722.03	378.46
12 56 53 00-0084	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,030.79	307.92
12 56 53 00-0085	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,238.18	328.94
12 56 53 00-0086	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,257.91	330.98
12 56 53 00-0087	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,383.33	343.87
12 56 53 00-0088	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,906.98	397.44
12 56 53 00-0089	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,040.67	411.01
12 56 53 00-0090	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,242.59	431.35
12 56 53 00-0091	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,245.73	431.35
12 56 53 00-0092	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,746.47	482.91
12 56 53 00-0093	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,785.96	486.30
12 56 53 00-0094	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,883.57	496.47
12 56 53 00-0095	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,150.03	524.28
12 56 53 00-0096	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,166.55	525.63
12 56 53 00-0097	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,241.65	532.96
12 56 53 00-0098	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,489.06	558.19
12 56 53 00-0099	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,594.28	568.90
12 56 53 00-0100	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,736.58	583.29
12 56 53 00-0101	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,893.42	599.29
12 56 53 00-0102	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,208.27	224.49
12 56 53 00-0103	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,247.86	228.57
12 56 53 00-0104	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,256.52	229.24
12 56 53 00-0105	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,307.48	234.67
12 56 53 00-0106	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,036.46	308.73
12 56 53 00-0107	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,127.55	317.96
12 56 53 00-0108	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,349.07	340.61
12 56 53 00-0109	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,397.31	345.23
12 56 53 00-0110	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,150.48	320.12
12 56 53 00-0111	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	2,923.02	297.06
12 56 53 00-0112	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,550.82	157.75
12 56 53 00-0113	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,570.76	159.65
12 56 53 00-0114	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,636.22	166.17
12 56 53 00-0115	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,641.90	166.85
12 56 53 00-0116	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,148.45	218.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0117	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,196.82	223.41
12 56 53 00-0118	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,341.86	238.06
12 56 53 00-0119	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,350.41	239.01
12 56 53 00-0120	EA	52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,714.64	276.04
12 56 53 00-0121	EA	58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,987.85	303.85
12 56 53 00-0122	EA	60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	3,124.44	317.69
12 56 53 00-0123		**25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets** *(12 56 53 00-0002)*		
12 56 53 00-0124	EA	15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,146.76	116.66
12 56 53 00-0125	EA	18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,183.75	120.32
12 56 53 00-0126	EA	21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,192.29	121.27
12 56 53 00-0127	EA	24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,223.60	124.38
12 56 53 00-0128	EA	30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,280.51	130.22
12 56 53 00-0129	EA	36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,308.97	133.07
12 56 53 00-0130	EA	42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,425.62	145.01
12 56 53 00-0131	EA	48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,442.71	146.63
12 56 53 00-0132	EA	15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,695.97	172.41
12 56 53 00-0133	EA	18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,738.64	176.75
12 56 53 00-0134	EA	21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,778.49	180.81
12 56 53 00-0135	EA	24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,815.48	184.62
12 56 53 00-0136	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,208.21	224.49
12 56 53 00-0137	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,236.65	227.48
12 56 53 00-0138	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,438.64	247.97
12 56 53 00-0139	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,447.19	248.91
12 56 53 00-0140	EA	15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,983.34	201.70
12 56 53 00-0141	EA	18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,048.81	208.35
12 56 53 00-0142	EA	21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,082.93	211.75
12 56 53 00-0143	EA	24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,119.94	215.54
12 56 53 00-0144	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,970.78	302.08
12 56 53 00-0145	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,030.57	308.19
12 56 53 00-0146	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,206.92	326.10
12 56 53 00-0147	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,263.87	331.93
12 56 53 00-0148	EA	25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,714.64	276.04
12 56 53 00-0149	EA	28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,004.95	305.61
12 56 53 00-0150	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,287.36	224.49
12 56 53 00-0151	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,316.83	227.48
12 56 53 00-0152	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,526.06	247.97
12 56 53 00-0153	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,534.92	248.78
12 56 53 00-0154	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,077.28	302.08
12 56 53 00-0155	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,139.21	308.19
12 56 53 00-0156	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,321.88	326.10
12 56 53 00-0157	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,380.87	331.93
12 56 53 00-0158		**31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets** *(12 56 53 00-0002)*		
12 56 53 00-0159	EA	15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,252.06	127.51
12 56 53 00-0160	EA	18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,289.04	130.90
12 56 53 00-0161	EA	21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,294.74	131.58
12 56 53 00-0162	EA	24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,308.97	132.93
12 56 53 00-0163	EA	30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,391.50	141.75
12 56 53 00-0164	EA	36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,431.33	145.14
12 56 53 00-0165	EA	42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,698.80	172.95
12 56 53 00-0166	EA	48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,735.82	176.34
12 56 53 00-0167	EA	15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,767.12	179.73
12 56 53 00-0168	EA	18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,812.61	184.48
12 56 53 00-0169	EA	21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,843.95	187.87
12 56 53 00-0170	EA	24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,932.17	196.01
12 56 53 00-0171	EA	30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,387.47	242.81
12 56 53 00-0172	EA	36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,421.58	246.20
12 56 53 00-0173	EA	42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,691.86	274.00
12 56 53 00-0174	EA	48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,745.94	279.43
12 56 53 00-0175	EA	15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,102.86	213.64
12 56 53 00-0176	EA	18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,165.51	219.75
12 56 53 00-0177	EA	21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,196.77	223.14
12 56 53 00-0178	EA	24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,253.70	229.24
12 56 53 00-0179	EA	30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,067.53	311.31
12 56 53 00-0180	EA	36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,155.76	320.81
12 56 53 00-0181	EA	42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,676.42	373.71
12 56 53 00-0182	EA	48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,488.29	331.66
12 56 53 00-0183	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	3,004.84	305.88
12 56 53 00-0184	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,576.87	364.21
12 56 53 00-0185	EA	30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,473.05	242.81
12 56 53 00-0186	EA	36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,508.39	246.20
12 56 53 00-0187	EA	42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,788.37	273.73
12 56 53 00-0188	EA	48" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,844.37	279.16
12 56 53 00-0189	EA	30" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,177.50	311.99
12 56 53 00-0190	EA	36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,268.88	320.94
12 56 53 00-0191	EA	42" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,808.22	373.85
12 56 53 00-0192	EA	48" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,615.39	331.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0193		**Wood Laboratory Furniture** *(12 56 53)* Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.		
12 56 53 00-0194		**Wood Laboratory Cabinets** *(12 56 53 00-0193)*		
12 56 53 00-0195		**28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets** *(12 56 53 00-0194)*		
12 56 53 00-0196	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,005.42	107.16
12 56 53 00-0197	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,038.04	110.56
12 56 53 00-0198	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,070.63	113.95
12 56 53 00-0199	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,103.23	118.01
12 56 53 00-0200	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,225.56	130.90
12 56 53 00-0201	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,307.08	139.04
12 56 53 00-0202	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,366.86	145.14
12 56 53 00-0203	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,440.25	153.28
12 56 53 00-0204	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,222.84	130.22
12 56 53 00-0205	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,266.32	134.96
12 56 53 00-0206	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,293.49	137.68
12 56 53 00-0207	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,328.78	141.75
12 56 53 00-0208	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,709.30	181.77
12 56 53 00-0209	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,814.94	193.30
12 56 53 00-0210	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,875.00	199.40
12 56 53 00-0211	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,948.64	207.54
12 56 53 00-0212	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,796.01	191.26
12 56 53 00-0213	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,858.95	198.04
12 56 53 00-0214	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,907.64	203.47
12 56 53 00-0215	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,972.92	209.58
12 56 53 00-0216	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,826.10	193.98
12 56 53 00-0217	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,899.49	202.79
12 56 53 00-0218	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,953.83	208.22
12 56 53 00-0219	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,016.34	215.00
12 56 53 00-0220	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,856.08	303.85
12 56 53 00-0221	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	3,027.11	322.17
12 56 53 00-0222	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	3,089.56	328.94
12 56 53 00-0223	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	3,211.95	341.83
12 56 53 00-0224	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,271.78	347.93
12 56 53 00-0225	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,423.91	364.89
12 56 53 00-0226	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,524.33	375.74
12 56 53 00-0227	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,646.70	388.63
12 56 53 00-0228	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,353.25	144.47
12 56 53 00-0229	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,402.17	149.89
12 56 53 00-0230	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,432.06	152.60
12 56 53 00-0231	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,472.83	156.67
12 56 53 00-0232	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,184.77	232.64
12 56 53 00-0233	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,285.34	243.35
12 56 53 00-0234	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,350.53	250.27
12 56 53 00-0235	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,434.81	259.22
12 56 53 00-0236	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet	2,853.28	303.85
12 56 53 00-0237	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet	3,162.98	337.08
12 56 53 00-0238	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,114.13	118.69
12 56 53 00-0239	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,149.45	122.35
12 56 53 00-0240	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,171.18	124.66
12 56 53 00-0241	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,198.36	127.64
12 56 53 00-0242	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,535.32	163.46
12 56 53 00-0243	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,614.12	171.86
12 56 53 00-0244	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,660.33	176.75
12 56 53 00-0245	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,709.23	182.04
12 56 53 00-0246		**35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets** *(12 56 53 00-0194)*		
12 56 53 00-0247	EA	24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,761.51	187.54
12 56 53 00-0248	EA	30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,281.41	242.49
12 56 53 00-0249	EA	36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,297.48	244.60
12 56 53 00-0250	EA	48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,649.79	282.12
12 56 53 00-0251	EA	24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,887.69	307.44
12 56 53 00-0252	EA	30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,239.95	344.96
12 56 53 00-0253	EA	36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,465.83	369.00
12 56 53 00-0254	EA	48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	4,104.15	436.96
12 56 53 00-0255	EA	24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,122.84	225.45
12 56 53 00-0256	EA	30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,923.78	311.28
12 56 53 00-0257	EA	36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	3,041.23	323.80
12 56 53 00-0258	EA	48" Wide Base Cabinet With Combination Door/Drawer	3,399.57	361.95
12 56 53 00-0259		**30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets** *(12 56 53 00-0194)*		
12 56 53 00-0260	EA	15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,195.66	127.51
		For 36" Height Cabinet, Add	*174.09*	
12 56 53 00-0261	EA	18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,241.85	131.58
		For 36" Height Cabinet, Add	*180.82*	
12 56 53 00-0262	EA	21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,274.46	135.65
		For 36" Height Cabinet, Add	*185.57*	
12 56 53 00-0263	EA	24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,163.04	123.44
		For 36" Height Cabinet, Add	*169.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0264	EA	30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,336.98	142.43
		For 36" Height Cabinet, Add	*194.67*	
12 56 53 00-0265	EA	36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,448.39	153.96
		For 36" Height Cabinet, Add	*210.89*	
12 56 53 00-0266	EA	42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,513.59	161.42
		For 36" Height Cabinet, Add	*220.38*	
12 56 53 00-0267	EA	48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,603.28	170.23
		For 36" Height Cabinet, Add	*233.44*	
12 56 53 00-0268	EA	15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,312.52	139.71
		For 36" Height Cabinet, Add	*191.11*	
12 56 53 00-0269	EA	18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,372.30	146.50
		For 36" Height Cabinet, Add	*199.81*	
12 56 53 00-0270	EA	21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	3,173.78	1,532.82
		For 36" Height Cabinet, Add	*20.93*	
12 56 53 00-0271	EA	24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,475.55	156.67
		For 36" Height Cabinet, Add	*214.84*	
12 56 53 00-0272	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,929.38	205.50
		For 36" Height Cabinet, Add	*280.92*	
12 56 53 00-0273	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,078.82	221.10
		For 36" Height Cabinet, Add	*302.68*	
12 56 53 00-0274	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,173.93	231.95
		For 36" Height Cabinet, Add	*316.53*	
12 56 53 00-0275	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,288.03	243.49
		For 36" Height Cabinet, Add	*333.15*	
12 56 53 00-0276	EA	15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,470.11	156.67
		For 36" Height Cabinet, Add	*214.05*	
12 56 53 00-0277	EA	18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,527.19	162.77
		For 36" Height Cabinet, Add	*222.36*	
12 56 53 00-0278	EA	21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,570.64	166.85
		For 36" Height Cabinet, Add	*228.69*	
12 56 53 00-0279	EA	24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,630.44	173.62
		For 36" Height Cabinet, Add	*237.40*	
12 56 53 00-0280	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,247.28	239.42
		For 36" Height Cabinet, Add	*327.21*	
12 56 53 00-0281	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,391.34	254.34
		For 36" Height Cabinet, Add	*348.18*	
12 56 53 00-0282	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,456.47	261.80
		For 36" Height Cabinet, Add	*357.68*	
12 56 53 00-0283	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,605.96	277.40
		For 36" Height Cabinet, Add	*379.44*	
12 56 53 00-0284	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,010.94	213.64
		For 36" Height Cabinet, Add	*292.79*	
12 56 53 00-0285	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,170.91	231.28
		For 36" Height Cabinet, Add	*316.13*	
12 56 53 00-0286	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,317.80	246.88
		For 36" Height Cabinet, Add	*337.50*	
12 56 53 00-0287	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,480.86	264.51
		For 36" Height Cabinet, Add	*361.24*	
12 56 53 00-0288	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,429.66	258.40
		For 36" Height Cabinet, Add	*353.72*	
12 56 53 00-0289	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,581.76	274.69
		For 36" Height Cabinet, Add	*375.88*	
12 56 53 00-0290	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,663.02	283.51
		For 36" Height Cabinet, Add	*387.75*	
12 56 53 00-0291	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,809.73	299.11
		For 36" Height Cabinet, Add	*409.11*	
12 56 53 00-0292	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	2,962.23	315.38
		For 36" Height Cabinet, Add	*431.27*	
12 56 53 00-0293	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	3,084.14	328.94
		For 36" Height Cabinet, Add	*449.08*	

12 56 53 00-0294 30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets *(12 56 53 00-0194)*

12 56 53 00-0295	EA	30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,478.27	157.35
		For 36" Height Cabinet, Add	*215.24*	
12 56 53 00-0296	EA	36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,619.58	172.28
		For 36" Height Cabinet, Add	*235.81*	
12 56 53 00-0297	EA	42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,698.38	181.09
		For 36" Height Cabinet, Add	*247.29*	
12 56 53 00-0298	EA	48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,804.37	191.26
		For 36" Height Cabinet, Add	*262.72*	
12 56 53 00-0299	EA	15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,375.01	146.50
		For 36" Height Cabinet, Add	*200.21*	
12 56 53 00-0300	EA	18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,448.39	154.64
		For 36" Height Cabinet, Add	*210.89*	
12 56 53 00-0301	EA	21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,491.80	159.38
		For 36" Height Cabinet, Add	*217.22*	
12 56 53 00-0302	EA	24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,554.35	164.81
		For 36" Height Cabinet, Add	*226.32*	
12 56 53 00-0303	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,040.82	217.04
		For 36" Height Cabinet, Add	*297.14*	
12 56 53 00-0304	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,214.70	235.34
		For 36" Height Cabinet, Add	*322.46*	
12 56 53 00-0305	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,312.51	246.88
		For 36" Height Cabinet, Add	*336.71*	
12 56 53 00-0306	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,442.90	259.76
		For 36" Height Cabinet, Add	*355.70*	
12 56 53 00-0307	EA	15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,538.04	164.13
		For 36" Height Cabinet, Add	*223.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0308	EA	18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,584.27	168.88
		For 36" Height Cabinet, Add	*230.67*	
12 56 53 00-0309	EA	21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,635.85	173.62
		For 36" Height Cabinet, Add	*238.19*	
12 56 53 00-0310	EA	24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,720.10	183.13
		For 36" Height Cabinet, Add	*250.45*	
12 56 53 00-0311	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,345.15	249.59
		For 36" Height Cabinet, Add	*341.46*	
12 56 53 00-0312	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,529.93	269.26
		For 36" Height Cabinet, Add	*368.36*	
12 56 53 00-0313	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,608.64	278.08
		For 36" Height Cabinet, Add	*379.83*	
12 56 53 00-0314	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,777.17	295.72
		For 36" Height Cabinet, Add	*404.37*	
12 56 53 00-0315	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,106.07	223.82
		For 36" Height Cabinet, Add	*306.64*	
12 56 53 00-0316	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,328.52	248.24
		For 36" Height Cabinet, Add	*339.08*	
12 56 53 00-0317	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,445.52	260.45
		For 36" Height Cabinet, Add	*356.10*	
12 56 53 00-0318	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,614.29	278.76
		For 36" Height Cabinet, Add	*380.63*	
12 56 53 00-0319	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,538.42	269.94
		For 36" Height Cabinet, Add	*369.55*	
12 56 53 00-0320	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,698.62	286.90
		For 36" Height Cabinet, Add	*392.89*	
12 56 53 00-0321	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,807.07	299.11
		For 36" Height Cabinet, Add	*408.72*	
12 56 53 00-0322	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,959.16	314.70
		For 36" Height Cabinet, Add	*430.88*	
12 56 53 00-0323	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	3,100.80	330.30
		For 36" Height Cabinet, Add	*451.45*	
12 56 53 00-0324	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	3,200.91	341.15
		For 36" Height Cabinet, Add	*466.09*	

12 56 53 00-0325 Plastic Laminate Laboratory Furniture *(12 56 53)*

12 56 53 00-0326 Plastic Laminate Laboratory Cabinets *(12 56 53 00-0325)*

12 56 53 00-0327 28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet *(12 56 53 00-0326)*

12 56 53 00-0328	EA	15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	885.10	107.03
12 56 53 00-0329	EA	18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	913.81	110.56
12 56 53 00-0330	EA	21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	942.50	113.95
12 56 53 00-0331	EA	24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	971.19	117.47
12 56 53 00-0332	EA	30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,078.89	130.49
12 56 53 00-0333	EA	36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,150.65	139.18
12 56 53 00-0334	EA	42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,203.28	145.54
12 56 53 00-0335	EA	48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,267.89	153.42
12 56 53 00-0336	EA	15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,076.50	130.22
12 56 53 00-0337	EA	18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,114.77	134.83
12 56 53 00-0338	EA	21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,138.69	137.68
12 56 53 00-0339	EA	24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,169.75	141.48
12 56 53 00-0340	EA	30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,504.74	182.04
12 56 53 00-0341	EA	36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,597.70	193.16
12 56 53 00-0342	EA	42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,650.61	199.67
12 56 53 00-0343	EA	48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,715.46	207.54
12 56 53 00-0344	EA	15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,581.04	191.12
12 56 53 00-0345	EA	18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,636.50	198.04
12 56 53 00-0346	EA	21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,679.35	203.20
12 56 53 00-0347	EA	24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,736.82	210.12
12 56 53 00-0348	EA	15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,607.56	194.38
12 56 53 00-0349	EA	18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,672.17	202.25
12 56 53 00-0350	EA	21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,720.01	208.08
12 56 53 00-0351	EA	24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,775.04	214.73
12 56 53 00-0352	EA	15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,279.45	130.22
12 56 53 00-0353	EA	18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,326.10	134.96
12 56 53 00-0354	EA	21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,354.42	137.68
12 56 53 00-0355	EA	24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,391.26	141.75
12 56 53 00-0356	EA	30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,035.41	246.20
12 56 53 00-0357	EA	36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,186.51	264.51
12 56 53 00-0358	EA	42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,240.80	271.30
12 56 53 00-0359	EA	48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,348.90	284.18
12 56 53 00-0360	EA	15" Wide Cabinet, 1 Drawer Over Cupboard	1,191.29	144.06
12 56 53 00-0361	EA	18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets	1,234.37	149.35
12 56 53 00-0362	EA	21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,260.67	152.46
12 56 53 00-0363	EA	24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,296.57	156.81
12 56 53 00-0364	EA	30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,923.30	232.64
12 56 53 00-0365	EA	36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,011.83	243.35
12 56 53 00-0366	EA	42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,069.23	250.27
12 56 53 00-0367	EA	48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,143.43	259.22
12 56 53 00-0368	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet	2,511.91	303.85
12 56 53 00-0369	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet	2,784.43	336.81
12 56 53 00-0370	EA	15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	980.80	118.69
12 56 53 00-0371	EA	18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,011.89	122.35
12 56 53 00-0372	EA	21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,031.02	124.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0373	EA	24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,054.94	127.64
12 56 53 00-0374	EA	30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,351.58	163.46
12 56 53 00-0375	EA	36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,420.95	171.86
12 56 53 00-0376	EA	42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,461.63	176.75
12 56 53 00-0377	EA	48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,504.67	182.04

12 56 53 00-0378 30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet *(12 56 53 00-0326)*

12 56 53 00-0379	EA	15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,052.57	127.37
		For 36" Height Cabinet, Add	*147.62*	
12 56 53 00-0380	EA	18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,093.23	132.26
		For 36" Height Cabinet, Add	*153.32*	
12 56 53 00-0381	EA	21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,121.93	135.65
		For 36" Height Cabinet, Add	*157.35*	
12 56 53 00-0382	EA	24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,023.85	123.84
		For 36" Height Cabinet, Add	*143.59*	
12 56 53 00-0383	EA	30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,176.97	142.43
		For 36" Height Cabinet, Add	*165.06*	
12 56 53 00-0384	EA	36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,275.06	154.23
		For 36" Height Cabinet, Add	*178.82*	
12 56 53 00-0385	EA	42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,332.45	161.15
		For 36" Height Cabinet, Add	*186.87*	
12 56 53 00-0386	EA	48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,411.41	170.78
		For 36" Height Cabinet, Add	*197.94*	
12 56 53 00-0387	EA	15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,155.44	139.71
		For 36" Height Cabinet, Add	*162.05*	
12 56 53 00-0388	EA	18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,208.07	146.09
		For 36" Height Cabinet, Add	*169.43*	
12 56 53 00-0389	EA	21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	3,156.57	1,530.37
		For 36" Height Cabinet, Add	*17.75*	
12 56 53 00-0390	EA	24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,298.96	157.08
		For 36" Height Cabinet, Add	*182.18*	
12 56 53 00-0391	EA	30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,698.49	205.50
		For 36" Height Cabinet, Add	*238.20*	
12 56 53 00-0392	EA	36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,830.04	221.37
		For 36" Height Cabinet, Add	*256.66*	
12 56 53 00-0393	EA	42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,913.76	231.41
		For 36" Height Cabinet, Add	*268.40*	
12 56 53 00-0394	EA	48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,014.21	243.62
		For 36" Height Cabinet, Add	*282.49*	
12 56 53 00-0395	EA	15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,294.17	156.54
		For 36" Height Cabinet, Add	*181.50*	
12 56 53 00-0396	EA	18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,344.42	162.64
		For 36" Height Cabinet, Add	*188.55*	
12 56 53 00-0397	EA	21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,382.67	167.26
		For 36" Height Cabinet, Add	*193.92*	
12 56 53 00-0398	EA	24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,435.31	173.62
		For 36" Height Cabinet, Add	*201.30*	
12 56 53 00-0399	EA	30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,978.34	239.29
		For 36" Height Cabinet, Add	*277.46*	
12 56 53 00-0400	EA	36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,105.15	254.61
		For 36" Height Cabinet, Add	*295.24*	
12 56 53 00-0401	EA	42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,162.48	261.53
		For 36" Height Cabinet, Add	*303.29*	
12 56 53 00-0402	EA	48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,294.09	277.53
		For 36" Height Cabinet, Add	*321.74*	
12 56 53 00-0403	EA	30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,770.28	214.18
		For 36" Height Cabinet, Add	*248.27*	
12 56 53 00-0404	EA	36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,911.07	231.01
		For 36" Height Cabinet, Add	*268.06*	
12 56 53 00-0405	EA	42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,040.40	246.74
		For 36" Height Cabinet, Add	*286.18*	
12 56 53 00-0406	EA	48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,183.95	264.38
		For 36" Height Cabinet, Add	*306.31*	
12 56 53 00-0407	EA	30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,138.92	258.82
		For 36" Height Cabinet, Add	*299.93*	
12 56 53 00-0408	EA	36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,272.81	274.96
		For 36" Height Cabinet, Add	*318.72*	
12 56 53 00-0409	EA	42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,344.31	283.51
		For 36" Height Cabinet, Add	*328.79*	
12 56 53 00-0410	EA	48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,473.46	299.11
		For 36" Height Cabinet, Add	*346.90*	

12 56 53 00-0411 30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet *(12 56 53 00-0326)*

12 56 53 00-0412	EA	15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,210.45	146.36
		For 36" Height Cabinet, Add	*169.76*	
12 56 53 00-0413	EA	18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,275.06	154.23
		For 36" Height Cabinet, Add	*178.82*	
12 56 53 00-0414	EA	21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,313.26	158.84
		For 36" Height Cabinet, Add	*184.19*	
12 56 53 00-0415	EA	24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,368.33	165.49
		For 36" Height Cabinet, Add	*191.90*	
12 56 53 00-0416	EA	30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,796.59	217.31
		For 36" Height Cabinet, Add	*251.96*	
12 56 53 00-0417	EA	36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,949.65	235.89
		For 36" Height Cabinet, Add	*273.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0418	EA	42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,035.76	246.20
		For 36" Height Cabinet, Add	*285.51*	
12 56 53 00-0419	EA	48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,150.54	260.03
		For 36" Height Cabinet, Add	*301.61*	
12 56 53 00-0420	EA	15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,353.97	163.73
		For 36" Height Cabinet, Add	*189.89*	
12 56 53 00-0421	EA	18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,394.67	168.75
		For 36" Height Cabinet, Add	*195.59*	
12 56 53 00-0422	EA	21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,440.08	174.17
		For 36" Height Cabinet, Add	*201.97*	
12 56 53 00-0423	EA	24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,514.25	183.13
		For 36" Height Cabinet, Add	*212.37*	
12 56 53 00-0424	EA	30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,064.49	249.73
		For 36" Height Cabinet, Add	*289.53*	
12 56 53 00-0425	EA	36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,227.16	269.40
		For 36" Height Cabinet, Add	*312.35*	
12 56 53 00-0426	EA	42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,296.44	277.67
		For 36" Height Cabinet, Add	*322.08*	
12 56 53 00-0427	EA	48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,444.81	295.72
		For 36" Height Cabinet, Add	*342.88*	
12 56 53 00-0428	EA	30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,854.03	224.22
		For 36" Height Cabinet, Add	*260.01*	
12 56 53 00-0429	EA	36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,049.81	247.82
		For 36" Height Cabinet, Add	*287.52*	
12 56 53 00-0430	EA	42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,152.83	260.31
		For 36" Height Cabinet, Add	*301.95*	
12 56 53 00-0431	EA	48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,301.44	278.49
		For 36" Height Cabinet, Add	*322.75*	
12 56 53 00-0432	EA	30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,234.67	270.48
		For 36" Height Cabinet, Add	*313.35*	
12 56 53 00-0433	EA	36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,375.69	287.44
		For 36" Height Cabinet, Add	*333.15*	
12 56 53 00-0434	EA	42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,471.13	298.83
		For 36" Height Cabinet, Add	*346.57*	
12 56 53 00-0435	EA	48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,605.00	315.11
		For 36" Height Cabinet, Add	*365.36*	

12 56 70 Healthcare Furniture *(12 56)*

12 56 70 00-0001 Changing Tables *(12 56 70)*

12 56 70 00-0002 Height Adjustable Changing Tables; Pressalit Care 1000 *(12 56 70 00-0001)*

12 56 70 00-0003	EA	55" Length Height Adjustable Changing Table (Pressalit Care 1000, Model R8400)	8,450.79	283.21
12 56 70 00-0004	EA	75" Length Height Adjustable Changing Table (Pressalit Care 1000, Model R8401)	8,586.26	283.21
12 56 70 00-0005	EA	55" Length Height Adjustable Changing Table With Safety Rail (Pressalit Care 1000, Model R8402)	9,300.12	283.21
12 56 70 00-0006	EA	75" Length Height Adjustable Changing Table With Safety Rail (Pressalit Care 1000, Model R8403)	9,435.58	283.21

12 56 70 00-0007 Height Adjustable Changing Tables; Pressalit Care 2000 *(12 56 70 00-0001)*

12 56 70 00-0008	EA	75" Length Height Adjustable Changing Table (Pressalit Care 2000, Model R8468000-93)	9,680.64	283.21
12 56 70 00-0009	EA	75" Length Height Adjustable Changing Table With Safety Rail (Pressalit Care 2000, Model R8468000-93)	11,013.98	283.21

12 56 70 00-0010 Wall Mounted Changing Tables; Pressalit Care 3000 *(12 56 70 00-0001)*

12 56 70 00-0011	EA	55" Length Fixed Height Changing Table (Pressalit Care 3000, Model R8503021)	5,316.77	188.81
12 56 70 00-0012	EA	75" Length Fixed Height Changing Table (Pressalit Care 3000, Model R8508021)	5,628.80	188.81
12 56 70 00-0013	EA	55" Length Fixed Height Changing Table With Safety Rail (Pressalit Care 3000, Model R8523021)	6,388.31	188.81
12 56 70 00-0014	EA	75" Length Fixed Height Changing Table With Safety Rail (Pressalit Care 3000, Model R8528021)	6,701.86	188.81
12 56 70 00-0015	EA	55" Length Height Adjustable Changing Table (Pressalit Care 3000, Model R8516021)	12,012.46	283.21
12 56 70 00-0016	EA	75" Length Height Adjustable Changing Table (Pressalit Care 3000, Model R8520021)	12,237.73	283.21
12 56 70 00-0017	EA	55" Length Height Adjustable Changing Table With Safety Rail (Pressalit Care 3000, Model R8534021)	12,963.76	283.21
12 56 70 00-0018	EA	75" Length Height Adjustable Changing Table With Safety Rail (Pressalit Care 3000, Model R8539021)	13,187.51	283.21

12 56 70 00-0019 Miscellaneous Free-Standing Furniture *(12 56 70)*

12 56 70 00-0020	EA	Desk And AV Hub Mobile Digital Workspace (ErgoTron Teachwell 24-220-055)	978.75	11.55
12 56 70 00-0021	EA	Mobile CPU Dolly (Humanscale CPUDLYPLT)	171.98	

12 59 Systems Furniture *(12 50)*

12 59 13 Panel-Hung Component System Furniture *(12 59)*

12 59 13 00-0001 Panel Hung Furniture, Office Systems *(12 59 13)*

12 59 13 00-0002	EA	Acoustic Panel, 43" High, 24" Wide, NRC .85	589.04	
12 59 13 00-0003	EA	Acoustic Panel, 43" High, 30" Wide, NRC .85	657.43	
12 59 13 00-0004	EA	Acoustic Panel, 43" High, 36" Wide, NRC .85	726.31	
12 59 13 00-0005	EA	Acoustic Panel, 43" High, 48" Wide, NRC .85	870.00	
12 59 13 00-0006	EA	Acoustic Panel, 64" High, 30" Wide, NRC .85	781.87	
12 59 13 00-0007	EA	Acoustic Panel, 64" High, 36" Wide, NRC .85	837.40	
12 59 13 00-0008	EA	Acoustic Panel, 64" High, 42" Wide, NRC .85	971.93	
12 59 13 00-0009	EA	Acoustic Panel, 64" High, 48" Wide, NRC .85	1,030.69	
12 59 13 00-0010	EA	Acoustic Panel, 64" High, 60" Wide, NRC .85	1,129.41	
12 59 13 00-0011	EA	Bookshelf, 36" Wide, 13-3/4" Depth, 8" High	272.94	
12 59 13 00-0012	EA	Bookshelf, 42" Wide, 13-3/4" Depth, 16" High	286.26	
12 59 13 00-0013	EA	Bookshelf, 48" Wide, 13-3/4" Depth, 8" High	294.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0014	EA	Cantilever Bracket, 20" Deep, 24" Deep	91.59	
12 59 13 00-0015	PR	Countertop Bracket, Pair	38.27	
12 59 13 00-0016	EA	Flat Bracket, 20" Deep, 24" Wide	47.27	
12 59 13 00-0017	PR	Worksurface Kit, Pair	38.27	
12 59 13 00-0018	EA	Connector Kit, Ell, 43" High, 90" Deep	165.04	
12 59 13 00-0019	EA	Connector Kit, Ell, 64" High, 90" Deep	96.64	
12 59 13 00-0020	EA	Connector Kit, Straight, 43" High	67.04	
12 59 13 00-0021	EA	Connector Kit, Straight, 64" High	69.40	
12 59 13 00-0022	EA	Support Column For Peninsula, 29-1/2" High	236.89	
12 59 13 00-0023	EA	Countertop, 15" Deep, 36" Wide	310.80	
12 59 13 00-0024	EA	Countertop, 15" Deep, 48" Wide	346.63	
12 59 13 00-0025	EA	Duplex Receptacle Circuit 1	33.85	
12 59 13 00-0026	EA	Duplex Receptacle Circuit 2	33.85	
12 59 13 00-0027	EA	Electric Power Harness, 36" Wide	220.83	
12 59 13 00-0028	EA	Electric Power Harness, 42" Wide	226.46	
12 59 13 00-0029	EA	Electric Power Harness, 60" Wide	232.07	
12 59 13 00-0030	EA	Panel End Cover, 43" High	67.04	
12 59 13 00-0031	EA	Panel End Cover, 64" High	67.04	
12 59 13 00-0032	EA	Finish End Cover, 2-way, Variable Height	101.45	
12 59 13 00-0033	EA	Overhead Cabinet With Door, 42" Wide	638.15	
12 59 13 00-0034	EA	Overhead Cabinet With Door, 60" Wide	969.17	
12 59 13 00-0035	EA	Pedestal Spacer, 22" Deep, 15" Wide	109.74	
12 59 13 00-0036	EA	Pedestal Spacer, 28" Deep, 15" Wide	132.44	
12 59 13 00-0037	EA	Pedestal Box, Box, File, 22" Deep, 26" High	771.76	
12 59 13 00-0038	EA	Pedestal Box, Box, File, 28" Deep, 26" High	804.80	
12 59 13 00-0039	EA	Pedestal File, File, 22" Deep, 26" High	719.44	
12 59 13 00-0040	EA	Pedestal Lateral File, 2 Drawer, 30" Wide	1,014.64	
12 59 13 00-0041	EA	Base In Feed Power Cable	367.16	
12 59 13 00-0042	EA	Task Light, Recessed, 30" - 36" Wide	299.34	
12 59 13 00-0043	EA	Task Light, Recessed, 42" - 48" Wide	323.66	
12 59 13 00-0044	EA	Task Light, Recessed, 60" Wide	350.31	
12 59 13 00-0045	EA	Worksurface, Radius Edge, 24" Deep, 36" Wide	322.28	
12 59 13 00-0046	EA	Worksurface, Radius Edge, 24" Deep, 42" Wide	395.74	
12 59 13 00-0047	EA	Worksurface, Radius Edge, 24" Deep, 48" Wide	421.93	
12 59 13 00-0048	EA	Worksurface, Radius Edge, 24" Deep, 60" Wide	529.82	
12 59 13 00-0049	EA	Worksurface, Radius Edge, 24" Deep, 72" Wide	598.67	
12 59 13 00-0050	EA	Worksurface, Radius Edge, 30" Deep, 42" Wide	507.31	
12 59 13 00-0051	EA	Worksurface, Radius Edge, 30" Deep, 60" Wide	592.25	
12 59 13 00-0052	EA	Worksurface, Radius Edge, 30" Deep, 72" Wide	673.97	
12 59 13 00-0053	EA	Worksurface, Radius Edge, Corner 24" Deep, 36" Wide	775.43	
12 59 13 00-0054	EA	Worksurface, Radius Edge, Corner 24" Deep, 42" Wide	881.02	
12 59 13 00-0055	EA	Worksurface, Peninsula, 36" Wide, 66" Long	1,014.64	

12 59 13 00-0056 Open Office Systems Furniture Components *(12 59 13)*

Note: Excludes electrical wire and wiring devices.

12 59 13 00-0057	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	309.42	25.41
		For Tackable Acoustical Barrier Panel, Add	*56.57*	
		For Acoustical Panel, Add	*61.49*	
		For Enameled Surface, Deduct	*-24.60*	
12 59 13 00-0058	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	343.89	28.27
		For Tackable Acoustical Barrier Panel, Add	*62.87*	
		For Acoustical Panel, Add	*68.34*	
		For Enameled Surface, Deduct	*-27.34*	
12 59 13 00-0059	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	367.71	30.11
		For Tackable Acoustical Barrier Panel, Add	*67.22*	
		For Acoustical Panel, Add	*73.07*	
		For Enameled Surface, Deduct	*-29.23*	
12 59 13 00-0060	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	412.02	33.82
		For Tackable Acoustical Barrier Panel, Add	*75.33*	
		For Acoustical Panel, Add	*81.88*	
		For Enameled Surface, Deduct	*-32.75*	
12 59 13 00-0061	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	314.34	25.78
		For Tackable Acoustical Barrier Panel, Add	*57.47*	
		For Acoustical Panel, Add	*62.47*	
		For Enameled Surface, Deduct	*-24.99*	
12 59 13 00-0062	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	355.36	29.10
		For Tackable Acoustical Barrier Panel, Add	*64.97*	
		For Acoustical Panel, Add	*70.62*	
		For Enameled Surface, Deduct	*-28.25*	
12 59 13 00-0063	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	398.05	32.70
		For Tackable Acoustical Barrier Panel, Add	*72.77*	
		For Acoustical Panel, Add	*79.10*	
		For Enameled Surface, Deduct	*-31.64*	
12 59 13 00-0064	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	467.84	38.34
		For Tackable Acoustical Barrier Panel, Add	*85.53*	
		For Acoustical Panel, Add	*92.97*	
		For Enameled Surface, Deduct	*-37.19*	
12 59 13 00-0065	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	302.85	24.85
		For Tackable Acoustical Barrier Panel, Add	*55.37*	
		For Acoustical Panel, Add	*60.18*	
		For Enameled Surface, Deduct	*-24.07*	
12 59 13 00-0066	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	372.63	30.58
		For Tackable Acoustical Barrier Panel, Add	*68.13*	
		For Acoustical Panel, Add	*74.05*	
		For Enameled Surface, Deduct	*-29.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0067	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	466.21	38.25
		For Tackable Acoustical Barrier Panel, Add	*85.23*	
		For Acoustical Panel, Add	*92.64*	
		For Enameled Surface, Deduct	*-37.06*	
12 59 13 00-0068	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	558.09	45.73
		For Tackable Acoustical Barrier Panel, Add	*102.04*	
		For Acoustical Panel, Add	*110.91*	
		For Enameled Surface, Deduct	*-44.36*	
12 59 13 00-0069	EA	34" Draw Rod Panel Connector Hardware	16.89	1.38
12 59 13 00-0070	EA	42" Draw Rod Panel Connector Hardware	16.89	1.38
12 59 13 00-0071	EA	62" Draw Rod Panel Connector Hardware	18.02	1.47
12 59 13 00-0072	EA	34" Two-Way 90 Degree Panel Connector Hardware	77.73	6.37
12 59 13 00-0073	EA	42" Two-Way 90 Degree Panel Connector Hardware	90.12	7.40
12 59 13 00-0074	EA	62" Two-Way 90 Degree Panel Connector Hardware	103.64	8.50
12 59 13 00-0075	EA	34" Three-Way 90 Degree Panel Connector Hardware	120.54	9.88
12 59 13 00-0076	EA	42" Three-Way 90 Degree Panel Connector Hardware	139.69	11.46
12 59 13 00-0077	EA	62" Three-Way 90 Degree Panel Connector Hardware	162.22	13.31
12 59 13 00-0078	EA	34" Four-Way 90 Degree Panel Connector Hardware	152.09	12.47
12 59 13 00-0079	EA	42" Four-Way 90 Degree Panel Connector Hardware	178.00	14.60
12 59 13 00-0080	EA	62" Four-Way 90 Degree Panel Connector Hardware	214.04	17.55
12 59 13 00-0081	EA	34" Panel End Cap Hardware	25.92	2.13
12 59 13 00-0082	EA	42" Panel End Cap Hardware	29.29	2.40
12 59 13 00-0083	EA	62" Panel End Cap Hardware	31.54	2.59
12 59 13 00-0084	EA	28" Variable Height Panel End Filler Note: Field cut to appropriate length.	28.58	2.40
12 59 13 00-0085	EA	Two-Way Trim Cover For Cable Management Raceway	14.71	1.20
12 59 13 00-0086	EA	Three-Way Trim Cover For Cable Management Raceway	15.51	1.29
12 59 13 00-0087	EA	Four-Way Trim Cover For Cable Management Raceway	17.96	1.47
12 59 13 00-0088	EA	Finished End Trim Cover For Cable Management Raceway	14.71	1.20
12 59 13 00-0089	EA	12" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	30.22	2.50
12 59 13 00-0090	EA	24" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	34.30	2.77
12 59 13 00-0091	EA	30" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	35.11	2.86
12 59 13 00-0092	EA	36" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	39.20	3.23
12 59 13 00-0093	EA	48" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	44.09	3.60
12 59 13 00-0094	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	237.20	19.40
12 59 13 00-0095	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	292.18	23.93
12 59 13 00-0096	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	275.77	22.64
12 59 13 00-0097	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	344.74	28.27
12 59 13 00-0098	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	347.99	28.55
12 59 13 00-0099	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	438.30	36.03
12 59 13 00-0100	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	422.68	34.65
12 59 13 00-0101	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	530.99	43.52
12 59 13 00-0102	EA	30" x 60" Radiused Edge Table	943.29	77.41
12 59 13 00-0103	EA	30" x 72" Radiused Edge Table	1,030.81	84.63
12 59 13 00-0104	EA	14" x 24" Radiused Edge Transaction Surface	113.26	9.33
12 59 13 00-0105	EA	14" x 36" Radiused Edge Transaction Surface	128.85	10.54
12 59 13 00-0106	EA	14" x 48" Radiused Edge Transaction Surface	144.46	11.82
12 59 13 00-0107	EA	14" x 60" Radiused Edge Transaction Surface	179.74	14.78
12 59 13 00-0108	EA	14" x 72" Radiused Edge Transaction Surface	215.84	17.74
12 59 13 00-0109	EA	14" Right Angle Corner Transaction Surface	377.56	30.95
12 59 13 00-0110	EA	Transaction Surface Support	29.91	2.45
12 59 13 00-0111	EA	Plastic Pencil Drawer	32.74	2.40
12 59 13 00-0112	EA	15-1/2" x 24" Hanging Shelf	110.27	9.05
12 59 13 00-0113	EA	15-1/2" x 36" Hanging Shelf	120.05	9.79
12 59 13 00-0114	EA	15-1/2" x 48" Hanging Shelf	128.23	10.54
12 59 13 00-0115	EA	24" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	190.29	15.61
12 59 13 00-0116	EA	36" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	222.16	18.29
12 59 13 00-0117	EA	48" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	254.83	20.88
12 59 13 00-0118	EA	24" Suspended Lateral File, Lockable	656.24	53.53
12 59 13 00-0119	EA	30" Suspended Lateral File, Lockable	693.12	56.54
12 59 13 00-0120	EA	36" Suspended Lateral File, Lockable	731.34	59.66
12 59 13 00-0121	EA	48" Suspended Lateral File, Lockable	799.87	65.25
12 59 13 00-0122	EA	Fully Adjustable Vinyl Keyboard Tray	297.32	24.39
12 59 13 00-0123	EA	Palm Rest For Vinyl Keyboard Tray	46.54	3.88
12 59 13 00-0124	EA	24" x 36" Radiused Edge Corner Work Surface	375.62	30.85
12 59 13 00-0125	EA	File Drawer Organizer	120.89	9.88
12 59 13 00-0126	EA	Suspended Lateral File Converter Bracket	26.14	2.13
12 59 13 00-0127	EA	Utility Task Light	130.68	10.72

12 59 13 00-0128 Disassemble And Store Systems Furniture Components *(12 59 13)*

12 59 13 00-0129	EA	Disassemble And Store 34H 24W Fabric Covered Panel	31.75	
12 59 13 00-0130	EA	Disassemble And Store 34H 30W Fabric Covered Panel	35.28	
12 59 13 00-0131	EA	Disassemble And Store 34H 36W Fabric Covered Panel	37.73	
12 59 13 00-0132	EA	Disassemble And Store 34H 48W Fabric Covered Panel	42.27	
12 59 13 00-0133	EA	Disassemble And Store 42H 24W Fabric Covered Panel	32.25	
12 59 13 00-0134	EA	Disassemble And Store 42H 30W Fabric Covered Panel	36.46	
12 59 13 00-0135	EA	Disassemble And Store 42H 36W Fabric Covered Panel	40.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0136	EA	Disassemble And Store 42H 48W Fabric Covered Panel	48.00	
12 59 13 00-0137	EA	Disassemble And Store 62H 12W Fabric Covered Panel	31.08	
12 59 13 00-0138	EA	Disassemble And Store 62H 24W Fabric Covered Panel	38.23	
12 59 13 00-0139	EA	Disassemble And Store 62H 36W Fabric Covered Panel	47.83	
12 59 13 00-0140	EA	Disassemble And Store 62H 48W Fabric Covered Panel	57.27	
12 59 13 00-0141	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.74	
12 59 13 00-0142	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.74	
12 59 13 00-0143	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.85	
12 59 13 00-0144	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	7.98	
12 59 13 00-0145	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	9.25	
12 59 13 00-0146	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	10.64	
12 59 13 00-0147	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	12.37	
12 59 13 00-0148	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	14.33	
12 59 13 00-0149	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	16.65	
12 59 13 00-0150	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	15.60	
12 59 13 00-0151	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	18.26	
12 59 13 00-0152	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	21.96	
12 59 13 00-0153	EA	Disassemble And Store 34" Panel End Cap Hardware	2.66	
12 59 13 00-0154	EA	Disassemble And Store 42" Panel End Cap Hardware	3.01	
12 59 13 00-0155	EA	Disassemble And Store 62" Panel End Cap Hardware	3.24	
12 59 13 00-0156	EA	Disassemble And Store Variable Height Panel End Filler	2.93	
12 59 13 00-0157	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.51	
12 59 13 00-0158	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.60	
12 59 13 00-0159	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.85	
12 59 13 00-0160	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.51	
12 59 13 00-0161	EA	Disassemble And Store 12" Cable Management Raceway Assembly	3.10	
12 59 13 00-0162	EA	Disassemble And Store 24" Cable Management Raceway Assembly	3.52	
12 59 13 00-0163	EA	Disassemble And Store 30" Cable Management Raceway Assembly	3.60	
12 59 13 00-0164	EA	Disassemble And Store 36" Cable Management Raceway Assembly	4.02	
12 59 13 00-0165	EA	Disassemble And Store 48" Cable Management Raceway Assembly	4.53	
12 59 13 00-0166	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	24.33	
12 59 13 00-0167	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	29.98	
12 59 13 00-0168	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	28.30	
12 59 13 00-0169	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	35.37	
12 59 13 00-0170	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	35.71	
12 59 13 00-0171	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	44.97	
12 59 13 00-0172	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	43.37	
12 59 13 00-0173	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	54.49	
12 59 13 00-0174	EA	Disassemble And Store 30" x 60" Radiused Edge Table	84.15	
12 59 13 00-0175	EA	Disassemble And Store 30" x 72" Radiused Edge Table	105.74	
12 59 13 00-0176	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	11.62	
12 59 13 00-0177	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	13.22	
12 59 13 00-0178	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	14.82	
12 59 13 00-0179	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	18.44	
12 59 13 00-0180	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	22.15	
12 59 13 00-0181	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	38.74	
12 59 13 00-0182	EA	Disassemble And Store Transaction Surface Support	3.06	
12 59 13 00-0183	EA	Disassemble And Store Plastic Pencil Drawer	3.02	
12 59 13 00-0184	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	11.32	
12 59 13 00-0185	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	12.32	
12 59 13 00-0186	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	13.15	
12 59 13 00-0187	EA	Disassemble And Store 24" Flipper Door And Shelf	19.53	
12 59 13 00-0188	EA	Disassemble And Store 36" Flipper Door And Shelf	22.80	
12 59 13 00-0189	EA	Disassemble And Store 48" Flipper Door And Shelf	26.15	
12 59 13 00-0190	EA	Disassemble And Store 24" Suspended Lateral File	66.92	
12 59 13 00-0191	EA	Disassemble And Store 30" Suspended Lateral File	70.67	
12 59 13 00-0192	EA	Disassemble And Store 36" Suspended Lateral File	74.57	
12 59 13 00-0193	EA	Disassemble And Store 48" Suspended Lateral File	81.57	
12 59 13 00-0194	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	30.50	
12 59 13 00-0195	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	38.54	
12 59 13 00-0196	EA	Disassemble And Store Utility Task Light	13.41	

12 59 13 00-0197 Reconfigure Systems Furniture Components *(12 59 13)*

12 59 13 00-0198	EA	Reconfigure 34H 24W Fabric Covered Panel	33.86	
12 59 13 00-0199	EA	Reconfigure 34H 30W Fabric Covered Panel	37.62	
12 59 13 00-0200	EA	Reconfigure 34H 36W Fabric Covered Panel	40.23	
12 59 13 00-0201	EA	Reconfigure 34H 48W Fabric Covered Panel	45.07	
12 59 13 00-0202	EA	Reconfigure 42H 24W Fabric Covered Panel	34.39	
12 59 13 00-0203	EA	Reconfigure 42H 30W Fabric Covered Panel	38.87	
12 59 13 00-0204	EA	Reconfigure 42H 36W Fabric Covered Panel	43.55	
12 59 13 00-0205	EA	Reconfigure 42H 48W Fabric Covered Panel	51.17	
12 59 13 00-0206	EA	Reconfigure 62H 12W Fabric Covered Panel	33.13	
12 59 13 00-0207	EA	Reconfigure 62H 24W Fabric Covered Panel	40.76	
12 59 13 00-0208	EA	Reconfigure 62H 36W Fabric Covered Panel	50.99	
12 59 13 00-0209	EA	Reconfigure 62H 48W Fabric Covered Panel	61.05	
12 59 13 00-0210	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	1.85	
12 59 13 00-0211	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	1.85	
12 59 13 00-0212	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	1.98	
12 59 13 00-0213	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	8.50	
12 59 13 00-0214	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	9.86	
12 59 13 00-0215	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	11.34	
12 59 13 00-0216	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	13.18	
12 59 13 00-0217	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	15.28	
12 59 13 00-0218	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	17.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0219	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	16.64	
12 59 13 00-0220	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	19.48	
12 59 13 00-0221	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	23.41	
12 59 13 00-0222	EA	Reconfigure 34" Panel End Cap Hardware	2.83	
12 59 13 00-0223	EA	Reconfigure 42" Panel End Cap Hardware	3.20	
12 59 13 00-0224	EA	Reconfigure 62" Panel End Cap Hardware	3.45	
12 59 13 00-0225	EA	Reconfigure Variable Height Panel End Filler	3.13	
12 59 13 00-0226	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.61	
12 59 13 00-0227	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.70	
12 59 13 00-0228	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.97	
12 59 13 00-0229	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	1.61	
12 59 13 00-0230	EA	Reconfigure 12" Cable Management Raceway Assembly	3.31	
12 59 13 00-0231	EA	Reconfigure 24" Cable Management Raceway Assembly	3.75	
12 59 13 00-0232	EA	Reconfigure 30" Cable Management Raceway Assembly	3.84	
12 59 13 00-0233	EA	Reconfigure 36" Cable Management Raceway Assembly	4.28	
12 59 13 00-0234	EA	Reconfigure 48" Cable Management Raceway Assembly	4.83	
12 59 13 00-0235	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	25.95	
12 59 13 00-0236	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	31.96	
12 59 13 00-0237	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	30.16	
12 59 13 00-0238	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	37.71	
12 59 13 00-0239	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	38.07	
12 59 13 00-0240	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	47.94	
12 59 13 00-0241	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface	46.24	
12 59 13 00-0242	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface	58.09	
12 59 13 00-0243	EA	Reconfigure 30" x 60" Radiused Edge Table	103.20	
12 59 13 00-0244	EA	Reconfigure 30" x 72" Radiused Edge Table	112.77	
12 59 13 00-0245	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	12.39	
12 59 13 00-0246	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	14.10	
12 59 13 00-0247	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	15.80	
12 59 13 00-0248	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	19.66	
12 59 13 00-0249	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	23.61	
12 59 13 00-0250	EA	Reconfigure 14" Right Angle Corner Transaction Surface	41.30	
12 59 13 00-0251	EA	Reconfigure Transaction Surface Support	3.26	
12 59 13 00-0252	EA	Reconfigure 15-1/2" x 24" Hanging Shelf	12.06	
12 59 13 00-0253	EA	Reconfigure 15-1/2" x 36" Hanging Shelf	13.13	
12 59 13 00-0254	EA	Reconfigure 15-1/2" x 48" Hanging Shelf	14.03	
12 59 13 00-0255	EA	Reconfigure 24" Flipper Door And Shelf	20.82	
12 59 13 00-0256	EA	Reconfigure 36" Flipper Door And Shelf	24.30	
12 59 13 00-0257	EA	Reconfigure 48" Flipper Door And Shelf	27.87	
12 59 13 00-0258	EA	Reconfigure 24" Suspended Lateral File	71.38	
12 59 13 00-0259	EA	Reconfigure 30" Suspended Lateral File	75.40	
12 59 13 00-0260	EA	Reconfigure 36" Suspended Lateral File	79.55	
12 59 13 00-0261	EA	Reconfigure 48" Suspended Lateral File	87.02	
12 59 13 00-0262	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	41.09	

12 59 16 Free-Standing Component System Furniture *(12 59)*

12 59 16 00-0001 Furniture, Office Systems *(12 59 16)*

12 59 16 00-0002	EA	Desk Top, 24" Deep x 48" Wide	821.82	
12 59 16 00-0003	EA	Desk Top, 30" Deep x 48" Wide	1,037.62	
12 59 16 00-0004	EA	Desk Top, 30" Deep x 60" Wide	1,161.54	
12 59 16 00-0005	EA	Desk Top, 30" Deep x 72" Wide	1,244.18	
12 59 16 00-0006	EA	File, Mobile, 2-Drawer, 22" Deep	1,092.72	
12 59 16 00-0007	EA	File, Suspended, 2-Drawer, 22" Deep	916.84	
12 59 16 00-0008	EA	File, Undercounter, 2-Drawer, 22" Deep	1,046.75	
12 59 16 00-0009	EA	File, Undercounter, 2 Box, 1 File, 22" Deep	1,106.45	
12 59 16 00-0010	EA	Keyboard Platform With Articulating Arm	610.66	
12 59 16 00-0011	EA	End Support Leg	422.39	
12 59 16 00-0012	EA	Modesty Panel, 48" Wide	186.39	
12 59 16 00-0013	EA	Modesty Panel, Return	202.93	
12 59 16 00-0014	EA	Pencil/Utility Drawer	326.90	
12 59 16 00-0015	EA	Privacy Screen, 48" Wide x 17-20" High	542.66	
12 59 16 00-0016	EA	Privacy Screen, 72" Wide x 17-20" High	755.21	
12 59 16 00-0017	EA	Printer Stand, 30" Deep x 36" Wide	1,145.47	
12 59 16 00-0018	EA	Printer Stand, Universal	1,533.50	
12 59 16 00-0019	EA	Paper Basket	135.66	
12 59 16 00-0020	EA	Storage Unit With Doors, 60" Wide	1,792.78	
12 59 16 00-0021	EA	Storage Unit With Doors, 72" Wide	2,139.43	
12 59 16 00-0022	EA	Table, Peninsula, 30" x 72"	1,200.58	
12 59 16 00-0023	EA	Return Table, 24" x 48"	897.07	
12 59 16 00-0024	EA	Round Conference Return, 42" Diameter	1,014.64	
12 59 16 00-0025	EA	Work Surface, 24" Deep x 48" Wide	625.78	
12 59 16 00-0026	EA	Work Surface, 30" Deep x 30" Wide	592.25	
12 59 16 00-0027	EA	Work Surface, 30" Deep x 60" Wide	825.46	
12 59 16 00-0028	EA	Work Surface, 30" Deep x 72" Wide	864.93	
12 59 16 00-0029	EA	Corner Bridge, 30" x 42"	922.35	
12 59 16 00-0030	EA	Peninsula, 30" x 60"	1,296.97	
12 59 16 00-0031	EA	Connector Plate	33.87	

12 59 16 00-0032 Herman Miller Systems Furniture *(12 59 16)*

12 59 16 00-0033 Herman Miller Action Office Series 2 Systems Furniture *(12 59 16 00-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0034	EA	32H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	406.60	25.41
		For Owner Furnished Material, Deduct	*-343.13*	
		For Category 2 Fabric Both Sides, Add	*10.96*	
		For Non-powered Panel, Deduct	*-109.58*	
12 59 16 00-0035	EA	32H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	431.66	26.61
		For Owner Furnished Material, Deduct	*-365.05*	
		For Category 2 Fabric Both Sides, Add	*10.96*	
		For Non-powered Panel, Deduct	*-109.58*	
12 59 16 00-0036	EA	32H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	467.18	28.00
		For Owner Furnished Material, Deduct	*-397.24*	
		For Category 2 Fabric Both Sides, Add	*10.96*	
		For Non-powered Panel, Deduct	*-109.58*	
12 59 16 00-0037	EA	32H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	502.20	29.38
		For Owner Furnished Material, Deduct	*-428.75*	
		For Category 2 Fabric Both Sides, Add	*10.96*	
		For Non-powered Panel, Deduct	*-109.58*	
12 59 16 00-0038	EA	39H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	418.65	26.61
		For Owner Furnished Material, Deduct	*-352.04*	
		For Category 2 Fabric Both Sides, Add	*15.07*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0039	EA	39H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	445.27	28.00
		For Owner Furnished Material, Deduct	*-375.33*	
		For Category 2 Fabric Both Sides, Add	*15.07*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0040	EA	39H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	481.65	29.38
		For Owner Furnished Material, Deduct	*-408.20*	
		For Category 2 Fabric Both Sides, Add	*15.07*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0041	EA	39H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	518.90	30.85
		For Owner Furnished Material, Deduct	*-441.76*	
		For Category 2 Fabric Both Sides, Add	*15.07*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0042	EA	47H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	436.36	28.00
		For Owner Furnished Material, Deduct	*-366.42*	
		For Category 2 Fabric Both Sides, Add	*15.07*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0043	EA	47H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	470.01	29.38
		For Owner Furnished Material, Deduct	*-396.56*	
		For Category 2 Fabric Both Sides, Add	*15.07*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0044	EA	47H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	515.48	30.85
		For Owner Furnished Material, Deduct	*-438.34*	
		For Category 2 Fabric Both Sides, Add	*15.07*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0045	EA	47H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	565.25	32.43
		For Owner Furnished Material, Deduct	*-484.22*	
		For Category 2 Fabric Both Sides, Add	*15.07*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0046	EA	62H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	427.15	25.41
		For Owner Furnished Material, Deduct	*-363.68*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0047	EA	62H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	481.65	29.38
		For Owner Furnished Material, Deduct	*-408.20*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0048	EA	62H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	582.38	32.43
		For Owner Furnished Material, Deduct	*-501.35*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0049	EA	62H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	640.54	34.00
		For Owner Furnished Material, Deduct	*-555.45*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0050	EA	67H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	436.46	26.61
		For Owner Furnished Material, Deduct	*-369.85*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0051	EA	67H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	491.50	30.85
		For Owner Furnished Material, Deduct	*-414.36*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0052	EA	67H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	590.55	34.00
		For Owner Furnished Material, Deduct	*-505.46*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0053	EA	67H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	648.89	35.75
		For Owner Furnished Material, Deduct	*-559.56*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0054	EA	85H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	476.77	28.00
		For Owner Furnished Material, Deduct	*-406.83*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0055	EA	85H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	551.56	32.43
		For Owner Furnished Material, Deduct	*-470.53*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0056	EA	85H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	661.91	35.75
		For Owner Furnished Material, Deduct	*-572.58*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0057	EA	85H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	725.93	37.51
		For Owner Furnished Material, Deduct	*-632.16*	
		For Category 2 Fabric Both Sides, Add	*17.81*	
		For Non-powered Panel, Deduct	*-109.58*	
		For Tackable Acoustical-Barrier Panel, Add	*68.83*	
12 59 16 00-0058	EA	32" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	80.08	6.28
		For Owner Furnished Material, Deduct	*-64.38*	
12 59 16 00-0059	EA	39" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	83.53	6.93
		For Owner Furnished Material, Deduct	*-66.44*	
12 59 16 00-0060	EA	47" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	92.44	7.40
		For Owner Furnished Material, Deduct	*-73.97*	
12 59 16 00-0061	EA	62" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	104.81	8.50
		For Owner Furnished Material, Deduct	*-83.56*	
12 59 16 00-0062	EA	67" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	107.57	9.05
		For Owner Furnished Material, Deduct	*-84.93*	
12 59 16 00-0063	EA	85" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	120.59	9.61
		For Owner Furnished Material, Deduct	*-96.57*	
12 59 16 00-0064	EA	32" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	141.15	9.88
		For Owner Furnished Material, Deduct	*-116.43*	
12 59 16 00-0065	EA	39" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	147.93	10.72
		For Owner Furnished Material, Deduct	*-121.23*	
12 59 16 00-0066	EA	47" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	158.09	11.46
		For Owner Furnished Material, Deduct	*-129.45*	
12 59 16 00-0067	EA	62" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	182.57	13.31
		For Owner Furnished Material, Deduct	*-149.31*	
12 59 16 00-0068	EA	67" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	186.80	14.41
		For Owner Furnished Material, Deduct	*-150.68*	
12 59 16 00-0069	EA	85" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	211.28	16.26
		For Owner Furnished Material, Deduct	*-170.54*	
12 59 16 00-0070	EA	32" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	177.11	12.47
		For Owner Furnished Material, Deduct	*-145.88*	
12 59 16 00-0071	EA	39" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	185.27	13.58
		For Owner Furnished Material, Deduct	*-151.36*	
12 59 16 00-0072	EA	47" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	198.81	14.60
		For Owner Furnished Material, Deduct	*-162.32*	
12 59 16 00-0073	EA	62" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	237.02	17.55
		For Owner Furnished Material, Deduct	*-193.14*	
12 59 16 00-0074	EA	67" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	241.07	18.66
		For Owner Furnished Material, Deduct	*-194.51*	
12 59 16 00-0075	EA	85" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	271.06	21.61
		For Owner Furnished Material, Deduct	*-217.11*	
12 59 16 00-0076	EA	32" Finished End, Hard Surface, Herman Miller AO Series 2	33.44	2.13
		For Owner Furnished Material, Deduct	*-28.08*	
12 59 16 00-0077	EA	39" Finished End, Hard Surface, Herman Miller AO Series 2	35.18	2.31
		For Owner Furnished Material, Deduct	*-29.45*	
12 59 16 00-0078	EA	47" Finished End, Hard Surface, Herman Miller AO Series 2	37.52	2.40
		For Owner Furnished Material, Deduct	*-31.51*	
12 59 16 00-0079	EA	62" Finished End, Hard Surface, Herman Miller AO Series 2	39.35	2.59
		For Owner Furnished Material, Deduct	*-32.88*	
12 59 16 00-0080	EA	67" Finished End, Hard Surface, Herman Miller AO Series 2	39.71	2.77
		For Owner Furnished Material, Deduct	*-32.88*	
12 59 16 00-0081	EA	85" Finished End, Hard Surface, Herman Miller AO Series 2	42.90	2.96
		For Owner Furnished Material, Deduct	*-35.61*	
12 59 16 00-0082	EA	Change Of Height Draw Rod, Herman Miller AO Series 2	19.56	2.40
		For Owner Furnished Material, Deduct	*-13.70*	
12 59 16 00-0083	EA	Cable/Energy Barrier (Connector), Herman Miller AO Series 2	47.54	1.20
		For Owner Furnished Material, Deduct	*-44.52*	

12 59 16 00-0084 Accessories For Herman Miller Action Office Series Systems Furniture *(12 59 16 00-0032)*

12 59 16 00-0085	EA	27" Draw Rod, Herman Miller Action Office	15.47	1.25
		For Owner Furnished Material, Deduct	*-12.33*	
12 59 16 00-0086	EA	34" Draw Rod, Herman Miller Action Office	16.33	1.33
		For Owner Furnished Material, Deduct	*-13.01*	
12 59 16 00-0087	EA	42" Draw Rod, Herman Miller Action Office	16.52	1.40
		For Owner Furnished Material, Deduct	*-13.01*	
12 59 16 00-0088	EA	48" Draw Rod, Herman Miller Action Office	17.39	1.47
		For Owner Furnished Material, Deduct	*-13.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0089	EA	57" Draw Rod, Herman Miller Action Office	17.58	1.56
		For Owner Furnished Material, Deduct	*-13.70*	
12 59 16 00-0090	EA	62" Draw Rod, Herman Miller Action Office	17.76	1.63
		For Owner Furnished Material, Deduct	*-13.70*	
12 59 16 00-0091	EA	80" Draw Rod, Herman Miller Action Office	19.32	1.70
		For Owner Furnished Material, Deduct	*-15.07*	
12 59 16 00-0092	EA	24" x 36" Hanging Work Surface, Laminate, Herman Miller Action Office	192.49	19.40
		For Owner Furnished Material, Deduct	*-143.83*	
12 59 16 00-0093	EA	24" x 48" Hanging Work Surface, Laminate, Herman Miller Action Office	259.98	22.64
		For Owner Furnished Material, Deduct	*-203.42*	
12 59 16 00-0094	EA	24" x 60" Hanging Work Surface, Laminate, Herman Miller Action Office	332.32	28.55
		For Owner Furnished Material, Deduct	*-260.95*	
12 59 16 00-0095	EA	24" x 72" Hanging Work Surface, Laminate, Herman Miller Action Office	406.55	34.65
		For Owner Furnished Material, Deduct	*-319.85*	
12 59 16 00-0096	EA	30" x 36" Hanging Work Surface, Laminate, Herman Miller Action Office	277.03	23.93
		For Owner Furnished Material, Deduct	*-217.11*	
12 59 16 00-0097	EA	30" x 48" Hanging Work Surface, Laminate, Herman Miller Action Office	328.93	28.27
		For Owner Furnished Material, Deduct	*-258.21*	
12 59 16 00-0098	EA	30" x 60" Hanging Work Surface, Laminate, Herman Miller Action Office	422.09	36.03
		For Owner Furnished Material, Deduct	*-332.18*	
12 59 16 00-0099	EA	30" x 72" Hanging Work Surface, Laminate, Herman Miller Action Office	515.04	43.52
		For Owner Furnished Material, Deduct	*-406.15*	
12 59 16 00-0100	EA	24" x 36" Corner Work Surface, Laminate, Herman Miller Action Office	358.53	30.85
		For Owner Furnished Material, Deduct	*-281.49*	
12 59 16 00-0101	EA	30" x 60" Round End Peninsula, Laminate, Herman Miller Action Office	653.12	67.26
		For Owner Furnished Material, Deduct	*-484.91*	
12 59 16 00-0102	EA	30" x 72" Round End Peninsula, Laminate, Herman Miller Action Office	699.48	73.45
		For Owner Furnished Material, Deduct	*-515.73*	
12 59 16 00-0103	EA	14" x 24" Transaction Surface, Laminate, Herman Miller Action Office	106.10	9.33
		For Owner Furnished Material, Deduct	*-82.87*	
12 59 16 00-0104	EA	14" x 36" Transaction Surface, Laminate, Herman Miller Action Office	122.32	10.54
		For Owner Furnished Material, Deduct	*-95.89*	
12 59 16 00-0105	EA	14" x 48" Transaction Surface, Laminate, Herman Miller Action Office	137.84	11.82
		For Owner Furnished Material, Deduct	*-108.21*	
12 59 16 00-0106	EA	14" x 60" Transaction Surface, Laminate, Herman Miller Action Office	172.48	14.78
		For Owner Furnished Material, Deduct	*-135.61*	
12 59 16 00-0107	EA	14" x 72" Transaction Surface, Laminate, Herman Miller Action Office	207.96	17.74
		For Owner Furnished Material, Deduct	*-163.69*	
12 59 16 00-0108	EA	Right Angle Corner Transaction Surface, Laminate, Herman Miller Action Office	193.88	30.95
		For Owner Furnished Material, Deduct	*-116.43*	
12 59 16 00-0109	EA	Pencil Drawer, Herman Miller Action Office	32.74	2.40
		For Owner Furnished Material, Deduct	*-26.71*	
12 59 16 00-0110	EA	12" x 24" Shelf, Herman Miller Action Office	118.51	9.05
		For Owner Furnished Material, Deduct	*-95.89*	
12 59 16 00-0111	EA	12" x 36" Shelf, Herman Miller Action Office	130.09	9.79
		For Owner Furnished Material, Deduct	*-105.47*	
12 59 16 00-0112	EA	12" x 48" Shelf, Herman Miller Action Office	139.31	10.54
		For Owner Furnished Material, Deduct	*-113.01*	
12 59 16 00-0113	EA	12" x 24" Flipper Door, Herman Miller Action Office	191.76	15.61
		For Owner Furnished Material, Deduct	*-152.73*	
12 59 16 00-0114	EA	12" x 36" Flipper Door, Herman Miller Action Office	226.38	18.29
		For Owner Furnished Material, Deduct	*-180.81*	
12 59 16 00-0115	EA	12" x 48" Flipper Door, Herman Miller Action Office	262.53	20.88
		For Owner Furnished Material, Deduct	*-210.26*	
12 59 16 00-0116	EA	24" Task Light, Herman Miller Action Office	202.13	10.72
		For Owner Furnished Material, Deduct	*-175.33*	
12 59 16 00-0117	EA	36" Task Light, Herman Miller Action Office	213.78	10.72
		For Owner Furnished Material, Deduct	*-186.98*	
12 59 16 00-0118	EA	48" Task Light, Herman Miller Action Office	226.11	10.72
		For Owner Furnished Material, Deduct	*-199.31*	

12 59 16 00-0119 Disassemble And Store *(12 59 16 00-0032)*

12 59 16 00-0120	EA	Disassemble And Store 32H 24W Panel	31.78
12 59 16 00-0121	EA	Disassemble And Store 32H 30W Panel	33.35
12 59 16 00-0122	EA	Disassemble And Store 32H 36W Panel	35.01
12 59 16 00-0123	EA	Disassemble And Store 32H 48W Panel	36.77
12 59 16 00-0124	EA	Disassemble And Store 39H 24W Panel	33.35
12 59 16 00-0125	EA	Disassemble And Store 39H 30W Panel	35.01
12 59 16 00-0126	EA	Disassemble And Store 39H 36W Panel	36.77
12 59 16 00-0127	EA	Disassemble And Store 39H 48W Panel	38.62
12 59 16 00-0128	EA	Disassemble And Store 47H 24W Panel	35.01
12 59 16 00-0129	EA	Disassemble And Store 47H 30W Panel	36.77
12 59 16 00-0130	EA	Disassemble And Store 47H 36W Panel	38.62
12 59 16 00-0131	EA	Disassemble And Store 47H 48W Panel	40.56
12 59 16 00-0132	EA	Disassemble And Store 62H 12W Panel	31.78
12 59 16 00-0133	EA	Disassemble And Store 62H 24W Panel	36.77
12 59 16 00-0134	EA	Disassemble And Store 62H 36W Panel	40.56
12 59 16 00-0135	EA	Disassemble And Store 62H 48W Panel	42.58
12 59 16 00-0136	EA	Disassemble And Store 67H 12W Panel	33.35
12 59 16 00-0137	EA	Disassemble And Store 67H 24W Panel	38.62
12 59 16 00-0138	EA	Disassemble And Store 67H 36W Panel	42.58
12 59 16 00-0139	EA	Disassemble And Store 67H 48W Panel	44.71
12 59 16 00-0140	EA	Disassemble And Store 67H 12W Panel	35.01
12 59 16 00-0141	EA	Disassemble And Store 85H 24W Panel	40.56
12 59 16 00-0142	EA	Disassemble And Store 85H 36W Panel	44.71
12 59 16 00-0143	EA	Disassemble And Store 85H 48W Panel	46.93
12 59 16 00-0144	EA	Disassemble And Store 32" Two-Way 90 Connector	7.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0145	EA	Disassemble And Store 39" Two-Way 90 Connector	8.59	
12 59 16 00-0146	EA	Disassemble And Store 47" Two-Way 90 Connector	9.24	
12 59 16 00-0147	EA	Disassemble And Store 62" Two-Way 90 Connector	10.63	
12 59 16 00-0148	EA	Disassemble And Store 67" Two-Way 90 Connector	11.36	
12 59 16 00-0149	EA	Disassemble And Store 85" Two-Way 90 Connector	12.01	
12 59 16 00-0150	EA	Disassemble And Store 32" Three-Way 90 Connector	12.38	
12 59 16 00-0151	EA	Disassemble And Store 39" Three-Way 90 Connector	13.40	
12 59 16 00-0152	EA	Disassemble And Store 47" Three-Way 90 Connector	14.32	
12 59 16 00-0153	EA	Disassemble And Store 62" Three-Way 90 Connector	16.63	
12 59 16 00-0154	EA	Disassemble And Store 67" Three-Way 90 Connector	18.11	
12 59 16 00-0155	EA	Disassemble And Store 85" Three-Way 90 Connector	20.42	
12 59 16 00-0156	EA	Disassemble And Store 32" Four-Way 90 Connector	15.61	
12 59 16 00-0157	EA	Disassemble And Store 39" Four-Way 90 Connector	17.00	
12 59 16 00-0158	EA	Disassemble And Store 47" Four-Way 90 Connector	18.29	
12 59 16 00-0159	EA	Disassemble And Store 62" Four-Way 90 Connector	21.98	
12 59 16 00-0160	EA	Disassemble And Store 67" Four-Way 90 Connector	23.28	
12 59 16 00-0161	EA	Disassemble And Store 85" Four-Way 90 Connector	26.97	
12 59 16 00-0162	EA	Disassemble And Store 32" Finished End	2.68	
12 59 16 00-0163	EA	Disassemble And Store 39" Finished End	2.86	
12 59 16 00-0164	EA	Disassemble And Store 47" Finished End	3.05	
12 59 16 00-0165	EA	Disassemble And Store 62" Finished End	3.24	
12 59 16 00-0166	EA	Disassemble And Store 67" Finished End	3.42	
12 59 16 00-0167	EA	Disassemble And Store 85" Finished End	3.69	
12 59 16 00-0168	EA	Disassemble And Store Change Of Height Draw Rod	2.93	
12 59 16 00-0169	EA	Disassemble And Store Cable/Energy Barrier (Connector)	1.51	
12 59 16 00-0170	EA	Disassemble And Store 27" Draw Rod	1.58	
12 59 16 00-0171	EA	Disassemble And Store 34" Draw Rod	1.74	
12 59 16 00-0172	EA	Disassemble And Store 42" Draw Rod	1.76	
12 59 16 00-0173	EA	Disassemble And Store 48" Draw Rod	1.85	
12 59 16 00-0174	EA	Disassemble And Store 57" Draw Rod	1.94	
12 59 16 00-0175	EA	Disassemble And Store 62" Draw Rod	2.04	
12 59 16 00-0176	EA	Disassemble And Store 80" Draw Rod	2.13	
12 59 16 00-0177	EA	Disassemble And Store 24" x 36" Hanging Work Surface	24.33	
12 59 16 00-0178	EA	Disassemble And Store 24" x 48" Hanging Work Surface	28.30	
12 59 16 00-0179	EA	Disassemble And Store 24" x 60" Hanging Work Surface	35.71	
12 59 16 00-0180	EA	Disassemble And Store 24" x 72" Hanging Work Surface	43.37	
12 59 16 00-0181	EA	Disassemble And Store 30" x 36" Hanging Work Surface	29.98	
12 59 16 00-0182	EA	Disassemble And Store 30" x 48" Hanging Work Surface	35.37	
12 59 16 00-0183	EA	Disassemble And Store 30" x 60" Hanging Work Surface	44.97	
12 59 16 00-0184	EA	Disassemble And Store 30" x 72" Hanging Work Surface	54.49	
12 59 16 00-0185	EA	Disassemble And Store 24" x 36" Corner Work Surface	38.54	
12 59 16 00-0186	EA	Disassemble And Store 30" x 60" Round End Peninsula	84.15	
12 59 16 00-0187	EA	Disassemble And Store 30" x 72" Round End Peninsula	91.93	
12 59 16 00-0188	EA	Disassemble And Store 14" x 24" Transaction Surface	11.62	
12 59 16 00-0189	EA	Disassemble And Store 14" x 36" Transaction Surface	13.22	
12 59 16 00-0190	EA	Disassemble And Store 14" x 48" Transaction Surface	14.82	
12 59 16 00-0191	EA	Disassemble And Store 14" x 60" Transaction Surface	18.44	
12 59 16 00-0192	EA	Disassemble And Store 14" x 72" Transaction Surface	22.15	
12 59 16 00-0193	EA	Disassemble And Store Right Angle Corner Transaction Surface	38.74	
12 59 16 00-0194	EA	Disassemble And Store Pencil Drawer	3.02	
12 59 16 00-0195	EA	Disassemble And Store 24" Shelf	11.32	
12 59 16 00-0196	EA	Disassemble And Store 36" Shelf	12.32	
12 59 16 00-0197	EA	Disassemble And Store 48" Shelf	13.15	
12 59 16 00-0198	EA	Disassemble And Store 24" Flipper Door	19.53	
12 59 16 00-0199	EA	Disassemble And Store 36" Flipper Door	22.80	
12 59 16 00-0200	EA	Disassemble And Store 48" Flipper Door	26.15	
12 59 16 00-0201	EA	Disassemble And Store Task Light, Herman Miller Action Office	13.41	

12 59 16 00-0202 Reconfigure *(12 59 16 00-0032)*

12 59 16 00-0203	EA	Reconfigure 32H 24W Panel	41.78	
12 59 16 00-0204	EA	Reconfigure 32H 30W Panel	43.97	
12 59 16 00-0205	EA	Reconfigure 32H 36W Panel	46.37	
12 59 16 00-0206	EA	Reconfigure 32H 48W Panel	48.94	
12 59 16 00-0207	EA	Reconfigure 39H 24W Panel	43.71	
12 59 16 00-0208	EA	Reconfigure 39H 30W Panel	45.94	
12 59 16 00-0209	EA	Reconfigure 39H 36W Panel	48.53	
12 59 16 00-0210	EA	Reconfigure 39H 48W Panel	51.24	
12 59 16 00-0211	EA	Reconfigure 47H 24W Panel	45.76	
12 59 16 00-0212	EA	Reconfigure 47H 30W Panel	48.30	
12 59 16 00-0213	EA	Reconfigure 47H 36W Panel	51.17	
12 59 16 00-0214	EA	Reconfigure 47H 48W Panel	54.21	
12 59 16 00-0215	EA	Reconfigure 62H 12W Panel	42.19	
12 59 16 00-0216	EA	Reconfigure 62H 24W Panel	48.53	
12 59 16 00-0217	EA	Reconfigure 62H 36W Panel	54.56	
12 59 16 00-0218	EA	Reconfigure 62H 48W Panel	57.95	
12 59 16 00-0219	EA	Reconfigure 67H 12W Panel	44.07	
12 59 16 00-0220	EA	Reconfigure 67H 24W Panel	50.69	
12 59 16 00-0221	EA	Reconfigure 67H 36W Panel	56.95	
12 59 16 00-0222	EA	Reconfigure 67H 48W Panel	60.34	
12 59 16 00-0223	EA	Reconfigure 85H 12W Panel	46.57	
12 59 16 00-0224	EA	Reconfigure 85H 24W Panel	53.94	
12 59 16 00-0225	EA	Reconfigure 85H 36W Panel	60.60	
12 59 16 00-0226	EA	Reconfigure 85H 48W Panel	64.20	
12 59 16 00-0227	EA	Reconfigure 32" Two-Way 90 Connector	9.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0228	EA	Reconfigure 39" Two-Way 90 Connector	10.75	
12 59 16 00-0229	EA	Reconfigure 47" Two-Way 90 Connector	11.64	
12 59 16 00-0230	EA	Reconfigure 62" Two-Way 90 Connector	13.40	
12 59 16 00-0231	EA	Reconfigure 67" Two-Way 90 Connector	14.17	
12 59 16 00-0232	EA	Reconfigure 85" Two-Way 90 Connector	15.14	
12 59 16 00-0233	EA	Reconfigure 32" Three-Way 90 Connector	15.91	
12 59 16 00-0234	EA	Reconfigure 39" Three-Way 90 Connector	17.11	
12 59 16 00-0235	EA	Reconfigure 47" Three-Way 90 Connector	18.38	
12 59 16 00-0236	EA	Reconfigure 62" Three-Way 90 Connector	21.28	
12 59 16 00-0237	EA	Reconfigure 67" Three-Way 90 Connector	22.88	
12 59 16 00-0238	EA	Reconfigure 85" Three-Way 90 Connector	25.86	
12 59 16 00-0239	EA	Reconfigure 32" Four-Way 90 Connector	20.11	
12 59 16 00-0240	EA	Reconfigure 39" Four-Way 90 Connector	21.69	
12 59 16 00-0241	EA	Reconfigure 47" Four-Way 90 Connector	23.30	
12 59 16 00-0242	EA	Reconfigure 62" Four-Way 90 Connector	27.97	
12 59 16 00-0243	EA	Reconfigure 67" Four-Way 90 Connector	29.48	
12 59 16 00-0244	EA	Reconfigure 85" Four-Way 90 Connector	33.99	
12 59 16 00-0245	EA	Reconfigure 32" Finished End	3.52	
12 59 16 00-0246	EA	Reconfigure 39" Finished End	3.73	
12 59 16 00-0247	EA	Reconfigure 47" Finished End	3.95	
12 59 16 00-0248	EA	Reconfigure 62" Finished End	4.26	
12 59 16 00-0249	EA	Reconfigure 67" Finished End	4.44	
12 59 16 00-0250	EA	Reconfigure 85" Finished End	4.68	
12 59 16 00-0251	EA	Reconfigure Change Of Height Draw Rod	3.40	
12 59 16 00-0252	EA	Reconfigure Cable/Energy Barrier (Connector)	2.50	
12 59 16 00-0253	EA	Reconfigure 27" Draw Rod	1.98	
12 59 16 00-0254	EA	Reconfigure 34" Draw Rod	2.09	
12 59 16 00-0255	EA	Reconfigure 42" Draw Rod	2.19	
12 59 16 00-0256	EA	Reconfigure 48" Draw Rod	2.31	
12 59 16 00-0257	EA	Reconfigure 57" Draw Rod	2.41	
12 59 16 00-0258	EA	Reconfigure 62" Draw Rod	2.51	
12 59 16 00-0259	EA	Reconfigure 80" Draw Rod	2.64	
12 59 16 00-0260	EA	Reconfigure 24" x 36" Hanging Work Surface	28.83	
12 59 16 00-0261	EA	Reconfigure 24" x 48" Hanging Work Surface	34.23	
12 59 16 00-0262	EA	Reconfigure 24" x 60" Hanging Work Surface	43.29	
12 59 16 00-0263	EA	Reconfigure 24" x 72" Hanging Work Surface	52.64	
12 59 16 00-0264	EA	Reconfigure 30" x 36" Hanging Work Surface	36.30	
12 59 16 00-0265	EA	Reconfigure 30" x 48" Hanging Work Surface	42.87	
12 59 16 00-0266	EA	Reconfigure 30" x 60" Hanging Work Surface	54.58	
12 59 16 00-0267	EA	Reconfigure 30" x 72" Hanging Work Surface	66.21	
12 59 16 00-0268	EA	Reconfigure 24" x 36" Corner Work Surface	46.72	
12 59 16 00-0269	EA	Reconfigure 30" x 60" Round End Peninsula	99.40	
12 59 16 00-0270	EA	Reconfigure 30" x 72" Round End Peninsula	108.34	
12 59 16 00-0271	EA	Reconfigure 14" x 24" Transaction Surface	14.05	
12 59 16 00-0272	EA	Reconfigure 14" x 36" Transaction Surface	16.02	
12 59 16 00-0273	EA	Reconfigure 14" x 48" Transaction Surface	17.96	
12 59 16 00-0274	EA	Reconfigure 14" x 60" Transaction Surface	22.37	
12 59 16 00-0275	EA	Reconfigure 14" x 72" Transaction Surface	26.88	
12 59 16 00-0276	EA	Reconfigure Right Angle Corner Transaction Surface	43.63	
12 59 16 00-0277	EA	Reconfigure Pencil Drawer	3.75	
12 59 16 00-0278	EA	Reconfigure 24" Shelf	13.98	
12 59 16 00-0279	EA	Reconfigure 36" Shelf	15.24	
12 59 16 00-0280	EA	Reconfigure 48" Shelf	16.29	
12 59 16 00-0281	EA	Reconfigure 24" Flipper Door	23.87	
12 59 16 00-0282	EA	Reconfigure 36" Flipper Door	27.92	
12 59 16 00-0283	EA	Reconfigure 48" Flipper Door	32.08	
12 59 16 00-0284	EA	Reconfigure Task Light	17.81	

END OF SECTION 12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 20 Special Purpose Rooms *(13)*

13 21 Controlled Environment Rooms *(13 20)*

13 21 26 Cold Storage Rooms *(13 21)*

13 21 26 13 Walk-in Coolers *(13 21 26)*

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 40 Integrated Construction *(13)*

13 46 Lightning Protection Systems *(13 40)*

13 46 13 Lightning Protection for Structures *(13 46)*

13 46 13 00-0001 Lightning Protection *(13 46 13)*

See CSI section 26 05 26 00-0001 for conductors.

13 46 13 00-0002 Air Terminals For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0003 Copper Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	66.21	12.97
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	82.61	12.97
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	106.60	12.97
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	118.65	12.97
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	228.30	25.93

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	84.73	12.97
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	107.97	12.97
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	137.66	12.97
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	152.94	12.97
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	298.84	25.93

13 46 13 00-0015 Terminal Bases For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0016 Copper Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	96.59	38.90
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal	130.84	51.87
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal	174.74	64.82
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	130.84	51.87
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	138.36	51.87
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	247.45	103.72
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	172.78	64.82
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	96.59	38.90

13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	103.93	38.90
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	139.53	51.87
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	189.23	64.82
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	140.05	51.87
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	147.24	51.87
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	266.12	103.72
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	184.94	64.82
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	103.93	38.90

13 46 13 00-0034 Connectors *(13 46 13 00-0001)*

13 46 13 00-0035 Copper Cable Connectors *(13 46 13 00-0034)*

13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	194.65	64.82
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	267.76	103.72
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System	176.11	64.82
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	41.36	12.97
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	42.06	12.97
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal	128.49	38.90

13 46 13 00-0042 Aluminum Cable Connectors *(13 46 13 00-0034)*

13 46 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	211.31	64.82
13 46 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	295.65	103.72
13 46 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System	195.91	64.82
13 46 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	47.34	12.97
13 46 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	139.87	38.90

13 46 13 00-0048 Bonding Plates *(13 46 13 00-0001)*

13 46 13 00-0049 Copper Bonding Plates *(13 46 13 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	158.20	64.82
13 46 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	162.80	64.82
13 46 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	240.10	103.72
13 46 13 00-0053		Aluminum Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	162.53	64.82
13 46 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	170.74	64.82
13 46 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	245.07	103.72
13 46 13 00-0057		Cable Supports *(13 46 13 00-0001)*		
13 46 13 00-0058		Copper Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	29.70	12.97
13 46 13 00-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	30.30	12.97
13 46 13 00-0061		Aluminum Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	29.23	12.97
13 46 13 00-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	29.04	12.97
13 46 13 00-0064		Bonding Straps *(13 46 13 00-0001)*		
13 46 13 00-0065		Copper Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	82.78	38.90
13 46 13 00-0067		Aluminum Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	86.47	38.90
13 46 13 00-0069		Accessories For Lightning Protection *(13 46 13 00-0001)* See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070		Copper Adapters *(13 46 13 00-0069)*		
13 46 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System	30.18	6.48
13 46 13 00-0072		Aluminum Adapters *(13 46 13 00-0069)*		
13 46 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	41.67	6.48
13 46 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	196.56	64.82

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001		Anodes *(13 47 13 13)*		
13 47 13 13-0002		Magnesium Type, Conventional *(13 47 13 13-0001)*		
13 47 13 13-0003	EA	9 Lb. Magnesium Type Anodes	420.76	184.22
13 47 13 13-0004	EA	17 Lb. Magnesium Type Anodes	624.08	266.25
13 47 13 13-0005	EA	32 Lb. Magnesium Type Anode	851.51	342.53
13 47 13 13-0006	EA	48 Lb. Magnesium Type Anode	1,212.23	479.26
13 47 13 13-0007		Graphite Type *(13 47 13 13-0001)* Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	637.53	262.98
13 47 13 13-0009	EA	4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	992.26	367.23
13 47 13 13-0010	EA	6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	745.41	229.82
13 47 13 13-0011	EA	6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	1,141.09	306.81
13 47 13 13-0012		Rectifiers *(13 47 13 13)*		
13 47 13 13-0013		Air-Cooled, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0014	EA	Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,237.66	373.41
13 47 13 13-0015	EA	Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,423.67	373.41
13 47 13 13-0016		Oil Immersed, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,386.59	431.75
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,585.88	431.75
13 47 13 13-0019		Anode Backfill *(13 47 13 13)*		
13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	1.25	0.47
13 47 13 13-0021		Cathodic Protection Cable *(13 47 13 13)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	2,474.36	919.25
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	2,756.26	919.25
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	3,179.10	919.25
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	3,883.84	919.25
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	4,841.04	1,012.83
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	5,369.60	1,012.83
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	6,250.53	1,012.83
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	8,546.38	1,104.05

13 47 13 13-0030 Cathodic Test Stations *(13 47 13 13)*

13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0030)*

13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	326.95	107.61

13 47 13 16 Cathodic Protection for Underground Storage Tanks *(13 47 13)*

See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control *(13 40)*

13 48 53 Manufactured Seismic Control Components *(13 48)*

13 48 53 00-0001 Seismic Bracing Assembly *(13 48 53)*

13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	189.13
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	184.47
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	277.06
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	359.41
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	368.53
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	548.03
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	727.54
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	221.30
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	327.18
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	433.07

13 48 53 00-0012 Seismic Brace Components *(13 48 53)*

13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1) Note: To be used with 7x19 stranded cable.	35.57
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2) Note: To be used with 7x19 stranded cable.	49.18
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3) Note: To be used with 7x19 stranded cable.	65.53
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4) Note: To be used with 7x19 stranded cable.	90.02
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1) Note: To be used with angle or channel.	33.34
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2) Note: To be used with angle or channel.	45.33
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3) Note: To be used with angle or channel.	59.88
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4) Note: To be used with angle or channel.	81.29
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1) Note: To be used with 7x19 stranded cable.	40.62
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2) Note: To be used with 7x19 stranded cable.	53.89
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3) Note: To be used with 7x19 stranded cable.	75.29
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	71.87
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	101.40
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	138.65
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1) Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	30.28
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2) Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	37.13
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2) Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	46.54

13 48 63 Fabricated Seismic Control Assemblies *(13 48)*

13 48 63 00-0001 Seismic Restraints *(13 48 63)*

13 48 63 00-0002	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	5.86	1.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0003	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	4.51	0.67
13 48 63 00-0004	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole Note: Adhesive applied.	7.65	1.70
13 48 63 00-0005	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	5.75	0.84
13 48 63 00-0006	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	7.26	0.99
13 48 63 00-0007	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	12.15	1.20
13 48 63 00-0008	LF	3/4" Wide Seismic Strap, Gray	5.22	1.02
13 48 63 00-0009	LF	1" Wide Seismic Strap, Gray	7.62	1.02
13 48 63 00-0010	EA	3/4" Wide x 4" Long Seismic Strap, Gray	2.54	0.67
13 48 63 00-0011	EA	3/4" Wide x 12" Long Seismic Strap, Gray	11.34	2.03
13 48 63 00-0012	LF	Seismic Chord, Black	3.18	1.02
13 48 63 00-0013	LF	SAFELOK Seismic Fastener, Black	4.18	1.02

13 49 Radiation Protection *(13 40)*

13 49 13 Integrated X-Ray Shielding Assemblies *(13 49)*

13 49 13 00-0001 Lead Shielding *(13 49 13)*
See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 13 00-0002	SF	1/16" Sheet Lead Shielding	47.45	8.14
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding	79.98	8.82
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding	141.62	9.49
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding	269.61	12.21

13 49 16 Modular X-Ray Shielding Rooms *(13 49)*

13 49 16 00-0001 X-Ray Barriers, Modular *(13 49 16)*
Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.

13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*

13 49 16 00-0003	EA	0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,271.04	172.48
13 49 16 00-0004	EA	0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,843.22	172.48
13 49 16 00-0005	EA	1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,141.08	206.98
13 49 16 00-0006	EA	1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,827.70	206.98

13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*

13 49 16 00-0008	EA	0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	19,891.77	275.97
13 49 16 00-0009	EA	0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	20,692.83	275.97
13 49 16 00-0010	EA	1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	21,334.06	310.47
13 49 16 00-0011	EA	1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	23,005.12	344.96

13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*

13 49 16 00-0013	EA	0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	30,214.64	344.96
13 49 16 00-0014	EA	0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	31,702.32	344.96
13 49 16 00-0015	EA	1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	32,412.48	413.95
13 49 16 00-0016	EA	1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	34,770.10	448.45

13 49 16 00-0017 X-Ray Barriers, Mobile *(13 49 16)*
Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.

13 49 16 00-0018 30" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*
Note: Includes Framework

13 49 16 00-0019	EA	24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers	6,361.85	33.91

13 49 16 00-0020 48" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*
Note: Includes Framework

13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	11,282.63	33.91
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,571.37	33.91

13 49 16 00-0023 72" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*
Note: Includes Framework

13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,342.50	33.91
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	16,890.04	33.91

13 49 19 Lead-Lined Materials *(13 49)*

13 49 19 16 Lead-Lined Drywall *(13 49 19)*

13 49 19 16-0001 Lead Lined Drywall *(13 49 19 16)*
See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall	26.02	1.78
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall	45.29	2.13
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall	82.09	2.56

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment *(14)*

14 01 20 Operation and Maintenance of Elevators *(14 01)*

14 01 20 71 Elevator Rehabilitation *(14 01 20)*

14 01 20 71-0001 Elevator Maintenance *(14 01 20 71)*

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	640.80	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	854.40	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	534.00	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	534.00	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	320.40	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	210.69	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	263.36	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,528.60	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,910.74	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	764.29	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,719.68	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	1,146.45	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,675.05	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	3,057.19	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,292.89	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,866.12	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,528.60	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,369.83	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,666.07	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,369.83	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,369.83	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,369.83	

14 01 20 71-0024 Elevator Modernization *(14 01 20 71)*

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	47,898.64	10,795.22
		For Union-Guard Cathodic Protection, Add	*10,374.19*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*10,673.02*	
		Note: Includes Removal.		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	51,632.93	13,044.23
		For Union-Guard Cathodic Protection, Add	*10,471.02*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*11,297.39*	
		Note: Includes Removal.		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.	60,645.61	14,843.43
		For Union-Guard Cathodic Protection, Add	*12,020.22*	
		Note: Includes Pump.		
		For An Additional Stop, Add	*14,334.45*	
		Note: Includes Removal.		
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	6,426.76	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	81.16	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	895.36	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,901.38	899.60
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,211.21	899.60
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish Note: Excludes build back.	9,381.19	
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish Note: Excludes build back.	10,155.79	
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish Note: Excludes build back.	9,878.87	
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish Note: Excludes build back.	10,653.47	
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	106.17	25.70
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	92.42	25.70
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	15.26	3.37
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,865.36	674.71
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	22,551.52	3,767.08
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,971.46	899.60
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	540.74	224.90
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	536.94	449.80
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	717.42	393.57
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,530.80	899.60
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	710.41	416.06
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	536.94	449.80
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	866.15	449.80
14 01 20 71-0050	EA	Fire Service Key Switch Controller	4,461.02	899.60
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	1,380.56	449.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	9,987.11	1,799.21
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	10,722.99	1,799.21
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	3,199.05	449.80
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	10,509.97	1,799.21
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	2,206.74	449.80
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	1,988.44	449.80
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	294.61	224.90
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,881.94	449.80
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.	22.39	
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.	7,196.82	3,598.40
14 01 20 71-0062	LF	Governor Cable Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.74	
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	7,408.91	899.60
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	10,507.31	899.60
14 01 20 71-0065	EA	Removal And Replacement Of Governor	6,223.23	899.60
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	10,045.21	1,799.21
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	2,133.68	449.80
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,577.38	449.80
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	1,286.90	449.80
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	2,027.18	449.80
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	247.56	224.90
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	51,268.07	7,196.82
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	30,160.22	7,196.82
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	47,039.53	7,196.82
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,976.89	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	4,189.90	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	4,424.22	
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	4,679.84	
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel Note: Labor cost is for bolting to concrete pit wall.	3,763.88	449.80
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	58,383.95	7,196.82
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	164.79	
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	175.60	
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	182.96	
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	10,499.02	899.60
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,441.65	899.60
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,538.48	899.60
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,635.30	899.60
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,751.49	899.60
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	9,476.55	899.60
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	9,476.55	899.60
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	13,349.55	899.60
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	15,286.05	899.60
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	5,799.69	200.19
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,056.13	240.23
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	8,034.48	280.27
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	265.12	224.90
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	270.49	224.90
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	176.51	52.92
14 01 20 71-0099	LF	3/8" x 2" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	170.20	52.92
14 01 20 71-0100	LF	3/8" x 3" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	199.71	52.92
14 01 20 71-0101	LF	3/8" x 2" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	219.70	52.92
14 01 20 71-0102	LF	3/8" x 3" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	249.44	52.92
14 01 20 71-0103	LF	3/8" x 2" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	203.43	52.92
14 01 20 71-0104	LF	3/8" x 3" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	229.69	52.92
14 01 20 71-0105	LF	3/8" x 2" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail, Mirror Finish	350.18	52.92
14 01 20 71-0106	LF	3/8" x 3" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail	391.85	52.92
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	169.19	52.92
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Tubular Stainless Steel Elevator Handrail	170.80	52.92
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	214.43	52.92
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	201.57	52.92
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	215.28	52.92
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	266.42	52.92
14 01 20 71-0113	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Tubular Bronze Steel Elevator Handrail	208.08	52.92
14 01 20 71-0114	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	212.49	52.92
14 01 20 71-0115	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish Bronze Steel Elevator Handrail	347.04	52.92
14 01 20 71-0116	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Bronze Steel Elevator Handrail	232.24	52.92
14 01 20 71-0117	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	347.89	52.92
14 01 20 71-0118	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	391.85	52.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 01 30 Operation and Maintenance of Escalators and Moving Walks *(14 01)*

14 01 30 71 Escalators and Moving Walks Rehabilitation *(14 01 30)*

14 01 30 71-0001 Maintenance *(14 01 30 71)*

14 01 30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	883.32
14 01 30 71-0003	HR	Escalator Servicing, Labor Only	210.69
14 01 30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	4,858.28

14 01 30 71-0005 Modernization *(14 01 30 71)*

14 01 30 71-0006	EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	2,163.10
14 01 30 71-0007	EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	2,317.77
14 01 30 71-0008	EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	2,431.36
14 01 30 71-0009	EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,622.21
14 01 30 71-0010	LF	Removal And Replacement Of Sliding Handrail	203.02

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators *(14 20)*

14 21 13 Electric Traction Freight Elevators *(14 21)*

14 21 13 00-0001 Electric Traction Freight Elevators *(14 21 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	390,766.59
		For Each Opening With Bonderized Steel Door, Add	*283.04*
		For Each Opening With Stainless Steel Doors, Add	*707.60*
		For Each Opening With Two Speed Doors, Add	*849.12*
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*
		For Stainless Steel Cab Interior, Add	*7,505.60*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*1,563.04*
		For Class "C-2" Loading, Add	*1,876.40*
		For Class "C-3" Loading, Add	*2,566.92*
		For Removal Of Existing Stop, Add	*9,644.64*
		For Each Additional Stop, Add	*37,282.08*
		For Each Floor < 6 Stops, Deduct	*-32,083.69*
		For Each Additional 50 FPM, Add	*5,629.20*
		For Removal Of Existing Elevator, Add	*48,223.20*
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	412,030.02
		For Each Opening With Bonderized Steel Door, Add	*283.04*
		For Each Opening With Stainless Steel Doors, Add	*707.60*
		For Each Opening With Two Speed Doors, Add	*849.12*
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*
		For Stainless Steel Cab Interior, Add	*7,505.60*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*3,126.08*
		For Class "C-2" Loading, Add	*3,752.80*
		For Class "C-3" Loading, Add	*5,201.38*
		For Removal Of Existing Stop, Add	*9,644.64*
		For Each Additional Stop, Add	*37,282.08*
		For Each Floor < 6 Stops, Deduct	*-32,083.69*
		For Each Additional 50 FPM, Add	*5,629.20*
		For Removal Of Existing Elevator, Add	*48,223.20*
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 Lb. x 200 FPM, 6 Stops, 6 Openings	435,089.45
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*3,126.08*
		For Class "C-2" Loading, Add	*3,752.80*
		For Class "C-3" Loading, Add	*5,201.38*
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*
		For Stainless Steel Cab Interior, Add	*8,443.80*
		For Removal Of Existing Stop, Add	*9,644.64*
		For Each Additional Stop, Add	*38,220.28*
		For Each Additional 50 FPM, Add	*5,629.20*
		For Each Opening With Bonderized Steel Door, Add	*281.46*
		For Each Opening With Stainless Steel Doors, Add	*562.92*
		For Each Opening With Two Speed Doors, Add	*703.65*
		For Removal Of Existing Elevator, Add	*48,223.20*
		For Each Floor < 6 Stops, Deduct	*-33,083.69*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 Lb. x 200 FPM, 6 Stops, 6 Openings	445,350.19	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Each Additional Stop, Add	*38,220.28*	
		For Each Additional 50 FPM, Add	*5,629.20*	
		For Each Opening With Bonderized Steel Door, Add	*281.46*	
		For Each Opening With Stainless Steel Doors, Add	*562.92*	
		For Each Opening With Two Speed Doors, Add	*703.65*	
		For Removal Of Existing Elevator, Add	*48,223.20*	
		For Each Floor < 6 Stops, Deduct	*-33,083.69*	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 Lb. x 200 FPM, 6 Stops, 6 Openings	459,200.89	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Each Additional Stop, Add	*38,220.28*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*48,223.20*	
		For Each Floor < 6 Stops, Deduct	*-33,083.69*	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 Lb. x 200 FPM, 6 Stops, 6 Openings	474,919.29	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Each Additional Stop, Add	*38,220.28*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*48,223.20*	
		For Each Floor < 6 Stops, Deduct	*-33,083.69*	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 Lb. x 200 FPM, 6 Stops, 6 Openings	488,385.24	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Each Additional Stop, Add	*38,220.28*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*48,223.20*	
		For Each Floor < 6 Stops, Deduct	*-33,083.69*	

14 21 23 Electric Traction Passenger Elevators *(14 21)*

14 21 23 13 Machine Room Electric Traction Passenger Elevators *(14 21 23)*

14 21 23 13-0001 Electric Traction Passenger Elevators *(14 21 23 13)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 Lb. x 200 FPM, 6 Stops, 6 Openings	290,521.48	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For Each Additional Stop, Add	*37,282.08*	
		For Each Floor < 6 Stops, Deduct	*-22,063.84*	
		For Removal Of Existing Elevator, Add	*36,191.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 Lb. x 200 FPM, 6 Stops, 6 Openings	298,169.28	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For Each Additional Stop, Add	*37,282.08*	
		For Each Floor < 6 Stops, Deduct	*-22,063.84*	
		For Removal Of Existing Elevator, Add	*36,191.59*	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 Lb. x 200 FPM, 6 Stops, 6 Openings	304,942.09	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For Each Additional Stop, Add	*37,282.08*	
		For Each Floor < 6 Stops, Deduct	*-22,063.84*	
		For Removal Of Existing Elevator, Add	*36,191.59*	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 Lb. x 200 FPM, 6 Stops, 6 Openings	309,881.49	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For Each Additional Stop, Add	*37,282.08*	
		For Each Floor < 6 Stops, Deduct	*-22,063.84*	
		For Removal Of Existing Elevator, Add	*36,191.59*	
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	316,276.80	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For Each Additional Stop, Add	*37,282.08*	
		For Each Floor < 6 Stops, Deduct	*-22,063.84*	
		For Removal Of Existing Elevator, Add	*36,191.59*	
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 Lb. x 200 FPM, 6 Stops, 6 Openings	322,375.75	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For Each Additional Stop, Add	*37,282.08*	
		For Each Floor < 6 Stops, Deduct	*-22,063.84*	
		For Removal Of Existing Elevator, Add	*36,191.59*	
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	328,616.16	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For Each Additional Stop, Add	*37,282.08*	
		For Each Floor < 6 Stops, Deduct	*-22,063.84*	
		For Removal Of Existing Elevator, Add	*36,191.59*	

14 24 Hydraulic Elevators *(14 20)*

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 Lb. x 50 FPM, 3 Stops, 3 Openings	239,464.36	
		For Each Additional Stop, Add	*27,056.99*	
		For 2 Stops, Deduct	*-16,225.74*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 Lb. x 50 FPM, 3 Stops, 3 Openings	246,966.29	
		For Each Additional Stop, Add	*27,056.99*	
		For 2 Stops, Deduct	*-16,225.74*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 Lb. x 50 FPM, 3 Stops, 3 Openings	253,916.48	
		For Each Additional Stop, Add	*27,056.99*	
		For 2 Stops, Deduct	*-16,225.74*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 Lb. x 50 FPM, 3 Stops, 3 Openings	260,654.21	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,472.19*	
		For 2 Stops, Deduct	*-17,225.74*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Removal Of Existing Elevator, Add	*24,091.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 Lb. x 50 FPM, 3 Stops, 3 Openings	274,848.02	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,472.19*	
		For 2 Stops, Deduct	*-17,225.74*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 Lb. x 50 FPM, 3 Stops, 3 Openings	281,661.82	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,472.19*	
		For 2 Stops, Deduct	*-17,225.74*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Removal Of Existing Elevator, Add	*36,191.59*	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 8,000 Lb. x 50 FPM, 3 Stops, 3 Openings	291,872.24	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,472.19*	
		For 2 Stops, Deduct	*-17,225.74*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Each Additional 50 FPM, Add	*15,567.20*	
		For Class "C-1" Loading, Add	*7,815.21*	
		For Class "C-2" Loading, Add	*9,382.00*	
		For Class "C-3" Loading, Add	*12,834.58*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Removal Of Existing Elevator, Add	*36,191.59*	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 10,000 Lb. x 50 FPM, 3 Stops, 3 Openings	299,455.45	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,472.19*	
		For 2 Stops, Deduct	*-17,225.74*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Removal Of Existing Elevator, Add	*36,191.59*	
		For Each Additional 50 FPM, Add	*16,982.40*	
		For Class "C-1" Loading, Add	*10,394.32*	
		For Class "C-2" Loading, Add	*12,478.06*	
		For Class "C-3" Loading, Add	*17,069.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 Lb. x 50 FPM, 3 Stops, 3 Openings	312,159.84	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,472.19*	
		For 2 Stops, Deduct	*-17,225.74*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,644.64*	
		For Removal Of Existing Elevator, Add	*36,191.59*	
		For Each Additional 50 FPM, Add	*16,982.40*	
		For Class "C-1" Loading, Add	*10,394.32*	
		For Class "C-2" Loading, Add	*12,478.06*	
		For Class "C-3" Loading, Add	*17,069.61*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling Note: Includes casing.	103.26
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling Note: Includes casing.	123.21

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM, 3 Stops, 3 Openings	164,999.51
		For Each Additional Stop, Add	*27,056.99*
		For Each Opening With Bonderized Steel Door, Add	*283.04*
		For Each Opening With Stainless Steel Doors, Add	*707.60*
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*
		For Stainless Steel Cab Interior, Add	*7,505.60*
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*
		Note: Includes Labor and Equipment.	
		For 12" PVC Liner, Add Per LF	*54.04*
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For 12" Steel Liner, Add Per LF	*84.44*
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For Each Additional 50 FPM, Add	*5,837.70*
		For Removal Of Existing Elevator, Add	*24,091.57*
		For Removal Of Existing Stop, Add	*4,825.54*
		For 2 Stops, Deduct	*-10,000.00*
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM, 3 Stops, 3 Openings	167,829.91
		For Each Additional Stop, Add	*27,056.99*
		For Each Opening With Bonderized Steel Door, Add	*283.04*
		For Each Opening With Stainless Steel Doors, Add	*707.60*
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*
		For Stainless Steel Cab Interior, Add	*7,505.60*
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*
		Note: Includes Labor and Equipment.	
		For 12" PVC Liner, Add Per LF	*54.04*
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For 12" Steel Liner, Add Per LF	*84.44*
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For Each Additional 50 FPM, Add	*5,837.70*
		For Removal Of Existing Elevator, Add	*24,091.57*
		For Removal Of Existing Stop, Add	*4,825.54*
		For 2 Stops, Deduct	*-10,000.00*
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM, 3 Stops, 3 Openings	169,775.81
		For Each Additional Stop, Add	*27,056.99*
		For Each Opening With Bonderized Steel Door, Add	*283.04*
		For Each Opening With Stainless Steel Doors, Add	*707.60*
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*
		For Stainless Steel Cab Interior, Add	*7,505.60*
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*
		Note: Includes Labor and Equipment.	
		For 12" PVC Liner, Add Per LF	*54.04*
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For 12" Steel Liner, Add Per LF	*84.44*
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For Each Additional 50 FPM, Add	*5,837.70*
		For Removal Of Existing Elevator, Add	*24,091.57*
		For Removal Of Existing Stop, Add	*4,825.54*
		For 2 Stops, Deduct	*-10,000.00*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM, 3 Stops, 3 Openings	177,778.12	
		For Each Additional Stop, Add	*27,056.99*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 4,000 Lb. x 100 FPM, 3 Stops, 3 Openings	181,048.80	
		For Each Additional Stop, Add	*27,056.99*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 4,500 Lb. x 100 FPM, 3 Stops, 3 Openings	185,188.26	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional Stop, Add	*28,472.19*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 5,000 Lb. x 100 FPM, 3 Stops, 3 Openings	189,859.59	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional Stop, Add	*28,472.19*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*334.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
		For Removal Of Existing Stop, Add	*4,825.54*	
		For 2 Stops, Deduct	*-10,000.00*	

14 24 23 00-0009 Twin Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.

14 24 23 00-0010	EA	Twin Holeless Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM	141,156.59	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
		For Each Additional Stop, Add	*28,844.91*	
		For An Additional 25 FPM, Add	*2,384.61*	
14 24 23 00-0011	EA	Twin Holeless Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM	146,352.76	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
		For Each Additional Stop, Add	*28,844.91*	
		For An Additional 25 FPM, Add	*2,384.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0012	EA	Twin Holeless Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM	151,352.75	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
		For Each Additional Stop, Add	*28,844.91*	
		For An Additional 25 FPM, Add	*2,384.61*	
14 24 23 00-0013	EA	Twin Holeless Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM	174,788.83	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,091.57*	
		For Each Additional Stop, Add	*28,844.91*	
		For An Additional 25 FPM, Add	*2,384.61*	

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators (LULA) *(14 26)*

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 Lb. x 30 FPM, 2 Stops, 2 Openings Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.	102,962.13	
		For Each Additional Stop, Add	*17,564.39*	
		For Removal Of Existing Elevator, Add	*7,233.48*	

14 27 Custom Elevator Cabs and Doors *(14 20)*

14 27 13 Custom Elevator Cab Finishes *(14 27)*

14 27 13 00-0001 Custom Elevator Cab Finish Options *(14 27 13)*

Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002	EA	Intercom Service	1,640.66	

14 27 13 00-0003 Custom Elevator Hall Finish Options *(14 27 13)*

14 27 13 00-0004	EA	Stainless Steel Door, Hall Finishes	1,799.80	
14 27 13 00-0005	EA	Stainless Steel Frames, Hall Finishes	1,891.31	
14 27 13 00-0006	EA	Hall Lantern, Signal Devices	1,017.93	

14 27 16 Custom Elevator Doors *(14 27)*

14 27 16 00-0001 Custom Elevator Door Options *(14 27 16)*

14 27 16 00-0002	EA	Center Opening, 1 Speed Doors	3,968.03	
14 27 16 00-0003	EA	Center Opening, 2 Speed Doors	5,005.19	
14 27 16 00-0004	EA	Rear Opening Doors (Opposite Front)	6,866.00	
14 27 16 00-0005	EA	Side Opening, 2 Speed Doors	10,740.13	
14 27 16 00-0006	EA	Bi-Parting Doors	11,978.02	
14 27 16 00-0007	EA	Power Operated Door And Gate	35,100.81	

14 28 Elevator Equipment and Controls *(14 20)*

14 28 16 Elevator Controls *(14 28)*

14 28 16 00-0001 Passenger Or Freight Elevator Options *(14 28 16)*

14 28 16 00-0002	EA	2 Car Group, Elevator Automatic Controls	9,851.93	1,364.03
14 28 16 00-0003	EA	3 Car Group, Elevator Automatic Controls	14,905.95	2,044.57
14 28 16 00-0004	EA	4 Car Group, Elevator Automatic Controls	22,655.60	2,726.07
14 28 16 00-0005	EA	5 Car Group, Elevator Automatic Controls	31,528.35	3,459.98
14 28 16 00-0006	EA	6 Car Group, Elevator Automatic Controls	43,293.97	4,089.08
14 28 16 00-0007	EA	Duplex Care Selective Collective	9,232.57	
14 28 16 00-0008	EA	Automatic Emergency Power Switching	5,907.53	
14 28 16 00-0009	EA	Manual Emergency Power Switching	1,011.83	
14 28 16 00-0010	EA	Up To 3, Position Indicator, Signal Devices	244.14	
14 28 16 00-0011	EA	>3, Position Indicator, Signal Devices	205.68	
14 28 16 00-0012	EA	High Speed Heavy-Duty Door Opener	3,355.55	
14 28 16 00-0013	EA	Variable Voltage, Overhead Gearless Machine, Minimum	59,926.22	
14 28 16 00-0014	EA	Variable Voltage, Overhead Gearless Machine, Average	97,889.91	
14 28 16 00-0015	EA	Variable Voltage, Overhead Gearless Machine, Maximum	135,674.08	
14 28 16 00-0016	EA	Variable Voltage, Basement Installed Geared Machine, Minimum	25,298.43	
14 28 16 00-0017	EA	Variable Voltage, Basement Installed Geared Machine, Average	30,911.35	
14 28 16 00-0018	EA	Variable Voltage, Basement Installed Geared Machine, Maximum	34,083.87	

14 30 Escalators and Moving Walks *(14)*

14 31 Escalators *(14 30)*

14 31 00 00-0001 Stainless Steel Escalator Construction *(14 31)*

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 31 00 00-0002	EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height	164,379.87	14,532.88
14 31 00 00-0003	EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height	182,213.97	17,175.23
14 31 00 00-0004	EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height	198,466.22	19,817.58
14 31 00 00-0005	EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height	219,502.53	23,781.09
14 31 00 00-0006	EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height	242,342.03	26,423.43
14 31 00 00-0007	EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height	173,813.19	15,457.71
14 31 00 00-0008	EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height	193,040.38	18,496.41
14 31 00 00-0009	EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height	209,279.73	21,138.74
14 31 00 00-0010	EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height	235,987.23	26,555.55
14 31 00 00-0011	EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height	254,224.13	28,537.31
14 31 00 00-0012	EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height	183,681.78	16,382.53
14 31 00 00-0013	EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height	204,637.98	19,817.58
14 31 00 00-0014	EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height	220,489.86	22,459.92
14 31 00 00-0015	EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height	253,620.44	28,008.84
14 31 00 00-0016	EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height	269,161.12	30,651.18
14 31 00 00-0017	EA	Escalator Fire Shutter Fusible Link	24,145.49	528.47

14 40 Lifts *(14)*

14 41 People Lifts *(14 40)*

14 41 16 Endless-Belt People Lifts *(14 41)*

14 41 16 00-0001 Personnel Lifts Electrically Operated *(14 41 16)*

Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA	Personnel Lifts, Electric, 1-2 Person, 3 Stops	29,221.30	
		For An Additional Stop, Add	*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,506.56*	
14 41 16 00-0003	EA	Personnel Lifts, Electric, 1-2 Person, 5 Stops	30,739.29	
		For An Additional Stop, Add	*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,688.71*	
14 41 16 00-0004	EA	Personnel Lifts, Electric, 1-2 Person, 7 Stops	32,257.28	
		For An Additional Stop, Add	*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,870.87*	

14 41 19 Stairway Chairlifts *(14 41)*

14 41 19 00-0001 Chair Lift-Stair Climber *(14 41 19)*

Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	8,147.36	1,177.77

14 42 Wheelchair Lifts *(14 40)*

14 42 13 Inclined Wheelchair Lifts *(14 42)*

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber *(14 42 13)*

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	15,174.68	1,766.64

14 42 16 Vertical Wheelchair Lifts *(14 42)*

14 42 16 00-0001 Wheelchair Lift (Shorty) *(14 42 16)*

14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	10,533.67	824.44
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	12,954.27	1,030.54
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	15,433.69	1,339.71
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	17,337.47	1,545.81
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift Note: 500 Lb. capacity, interior installation.	17,985.80	736.10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 90 Other Conveying Equipment *(14)*

14 91 Facility Chutes *(14 90)*

14 91 82 Trash Chutes *(14 91)*

14 91 82 00-0001 Trash Chutes *(14 91 82)*

14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	37.84	5.20
		For Aluminum, Add	*2.79*	
		For Stainless Steel, Add	*9.77*	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	48.57	5.20
		For Aluminum, Add	*3.78*	
		For Stainless Steel, Add	*13.22*	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	53.56	6.50
		For Aluminum, Add	*4.19*	
		For Stainless Steel, Add	*14.65*	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	81.64	6.50
		For Aluminum, Add	*6.90*	
		For Stainless Steel, Add	*24.14*	
14 91 82 00-0006	EA	Trash Chutes, Hopper	801.47	36.40
		For Aluminum, Add	*72.82*	
		For Stainless Steel, Add	*254.88*	
14 91 82 00-0007	EA	Trash Chutes, Skylight	396.60	71.49
		For Aluminum, Add	*25.33*	
		For Stainless Steel, Add	*88.65*	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	275.63	77.98
		For Aluminum, Add	*11.08*	
		For Stainless Steel, Add	*38.79*	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	73.94	27.29
		For Aluminum, Add	*1.90*	
		For Stainless Steel, Add	*6.65*	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	674.61	97.48
		For Aluminum, Add	*46.86*	
		For Stainless Steel, Add	*164.01*	
14 91 82 00-0011	EA	Hopper Doors	1,551.87	77.27

14 92 Pneumatic Tube Systems *(14 90)*

14 92 00 00-0001 Pneumatic Tube Station; Swisslog *(14 92)*

14 92 00 00-0002	LF	4" Pneumatic Tube	77.71	20.55
14 92 00 00-0003	LF	6" Pneumatic Tube	98.05	25.68
14 92 00 00-0004	EA	4" 90 Degree Bend	396.03	44.94
14 92 00 00-0005	EA	6" 90 Degree Bend	554.75	51.36
14 92 00 00-0006	EA	4" PRV Bend	475.90	67.41
14 92 00 00-0007	EA	6" PRV Bend	671.86	77.04
14 92 00 00-0008	EA	Vacuum Bypass Valve	2,703.33	321.00
14 92 00 00-0009	EA	Blower Assembly For 4" Tube	26,720.31	642.00
14 92 00 00-0010	EA	Blower Assembly For 6" Tube	32,430.25	770.40
14 92 00 00-0011	EA	Recessed Receiving Station For 4" Tube	16,677.44	963.00
14 92 00 00-0012	EA	Recessed Receiving Station For 6" Tube	18,861.47	1,155.60
14 92 00 00-0013	EA	Wall Mount Receiving Station For 4" Tube	14,877.71	642.00
14 92 00 00-0014	EA	Wall Mount Receiving Station For 6" Tube	16,375.51	770.40
14 92 00 00-0015	EA	2 Out Transfer Unit For 4" Tube	11,257.28	706.20
14 92 00 00-0016	EA	2 Out Transfer Unit For 6" Tube	12,064.75	770.40
14 92 00 00-0017	EA	4 Out Transfer Unit For 4" Tube	13,315.95	963.00
14 92 00 00-0018	EA	4 Out Transfer Unit For 6" Tube	13,948.76	1,027.20
14 92 00 00-0019	EA	6 Out Transfer Unit For 4" Tube	16,177.96	1,284.00
14 92 00 00-0020	EA	6 Out Transfer Unit For 6" Tube	17,049.11	1,348.20
14 92 00 00-0021	EA	T.E.U. Assembly For 4" Tube	4,522.21	160.50
14 92 00 00-0022	EA	T.E.U. Assembly For 6" Tube	5,136.52	256.80
14 92 00 00-0023	EA	Security Door	1,794.76	
14 92 00 00-0024	EA	SB-101 Control Panel	4,403.68	385.20
14 92 00 00-0025	LF	Pneumatic Tube Hanging Material	14.72	2.57

END OF SECTION 14

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression (21)

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems (21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration (21 01 10)

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping (21 01 10 91)

See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).

21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	483.91
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	290.35
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	116.14
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	58.07

21 01 10 91-0006 Purge And Refill System Sprinkler Piping (21 01 10 91)

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	426.97
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	609.80
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	730.66
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	913.32
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	1,187.32
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	0.59
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	597.76
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	853.73
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,022.92
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,278.65
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,662.25
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	0.84
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	821.92
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,173.87
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,406.52
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,758.15
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	2,285.59
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1.15
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1,109.59
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1,584.72
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1,682.33
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	2,102.90
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	2,733.78
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1.37

21 01 30 Operation and Maintenance of Fire-Suppression Equipment (21 01)

21 01 30 91 Fire-Suppression Equipment Restoration (21 01 30)

21 01 30 91-0001 Inspection And Recharge (21 01 30 91)

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	208.08
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	3.00
21 01 30 91-0004	EA	Inspection, Halon 1301	208.08
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	71.96
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	125.82
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	67.46
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	125.82
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	6.00
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0046 for testing existing piping systems.	38.72
21 01 30 91-0011	EA	Disarm/Arm System	67.75

21 05 Common Work Results for Fire Suppression (21)

21 05 13 Common Motor Requirements for Fire-Suppression Equipment (21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping (21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping (21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems (21 05)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	48.39	12.46
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	50.32	12.46
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	59.32	12.46
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	63.02	12.46
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	66.72	12.46

21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	9,935.69	203.05
		For >10 To 25, Deduct	*-496.78*	
		For >25, Deduct	*-1,464.94*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	20,316.48	340.40
		For >10 To 25, Deduct	*-1,015.82*	
		For >25, Deduct	*-3,004.81*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	27,494.47	480.64
		For >10 To 25, Deduct	*-1,374.72*	
		For >25, Deduct	*-4,063.88*	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	35,873.28	614.16
		For >10 To 25, Deduct	*-1,793.66*	
		For >25, Deduct	*-5,304.70*	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	50,620.98	747.67
		For >10 To 25, Deduct	*-2,531.05*	
		For >25, Deduct	*-7,499.69*	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping

(21 05)

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001 TESTanDRAIN® Valve *(21 05 23)*

21 05 23 00-0002	EA	1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	241.92	14.36
21 05 23 00-0003	EA	1" Threaded TESTanDRAIN® Valve (AGF 1000)	272.94	17.35
21 05 23 00-0004	EA	1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000)	333.49	21.93
21 05 23 00-0005	EA	1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000)	523.09	25.32
21 05 23 00-0006	EA	2" Threaded TESTanDRAIN® Valve (AGF 1000)	548.91	29.91
21 05 23 00-0007	EA	1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	385.64	17.35
21 05 23 00-0008	EA	1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	445.10	21.93
21 05 23 00-0009	EA	1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	638.09	25.32
21 05 23 00-0010	EA	2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	666.97	29.91

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 33 Heat Tracing for Fire-Suppression Piping *(21 05)*

See CSI section 23 83 13 13-0000 for heat tracing cables.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0927 for CPVC pipe, 23 05 23 00-0309 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001 Fire Department Connections *(21 11 19)*

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,033.44	321.06
		For Polished Chrome, Add	*68.38*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,445.62	401.33
		For Polished Chrome, Add	*104.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	1,547.20	321.06
		For Polished Chrome, Add	*132.58*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	2,048.50	401.33
		For Polished Chrome, Add	*180.03*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	2,195.87	401.33
		For Polished Chrome, Add	*198.45*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,867.65	424.76
		For Polished Chrome, Add	*153.05*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	1,188.89	321.06
		For Polished Chrome, Add	*87.81*	

21 11 19 00-0009 Fire Department Connection Wall Plate *(21 11 19)*

21 11 19 00-0010	EA	2-1/2" IPS Brass Fire Department Connection Wall Plate	107.76	24.93
21 11 19 00-0011	EA	2-1/2" IPS Aluminum Brass Fire Department Connection Wall Plate	81.91	24.93
21 11 19 00-0012	EA	2-1/2" IPS Chrome Plated Brass Fire Department Connection Wall Plate	111.34	24.93
21 11 19 00-0013	EA	2-1/2" IPS Chrome Plated Aluminum Brass Fire Department Connection Wall Plate	77.90	24.93
21 11 19 00-0014	EA	4" IPS x 10" Outside Diameter Polished Brass Fire Department Connection Wall Plate	171.55	29.91
21 11 19 00-0015	EA	4" IPS x 10" Outside Diameter Chrome Plated Brass Fire Department Connection Wall Plate	227.85	29.91

21 11 19 00-0016 Wall Type Indicator Post, Wheel Operated *(21 11 19)*

See CSI section 33 14 19 00-0266 for adjustable indicator post accessory for ground valves.

21 11 19 00-0017	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	3,025.62	340.40

21 12 Fire-Suppression Standpipes *(21 10)*

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles *(21 12)*

21 12 13 00-0001 Fire Hose *(21 12 13)*

21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.53	1.94
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.95	1.94
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.68	1.94
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.14	1.94
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	2.86	1.94
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.56	1.94
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	2.96	1.94
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.78	1.94

21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	7.79	1.07
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	9.84	1.26
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	17.28	1.26

21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	168.44	31.94
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	261.13	35.81
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	88.55	25.17
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	181.14	25.17
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	143.02	25.17
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	207.79	25.17
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	300.38	106.46
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	427.85	106.46

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001 Standpipe Valves *(21 12 23)*

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	942.30	212.38
		For Polished Chrome, Add	*93.10*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	1,676.97	212.29
		For Polished Chrome, Add	*203.30*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	2,217.31	229.63
		For Polished Chrome, Add	*280.40*	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	2,735.65	212.29
		For Polished Chrome, Add	*362.10*	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	3,237.64	229.63
		For Polished Chrome, Add	*433.45*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	1,564.45	212.29
		For Polished Chrome, Add	*186.42*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	2,393.76	229.63
		For Polished Chrome, Add	*306.86*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	3,157.76	219.16
		For Polished Chrome, Add	*339.09*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	4,607.52	243.49
		For Polished Chrome, Add	*508.63*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	3,410.92	219.16
		For Polished Chrome, Add	*369.46*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	4,988.95	243.49
		For Polished Chrome, Add	*554.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass	7,697.41	292.15
		For Polished Chrome, Add	*725.47*	

21 12 23 00-0014 Fire Hose Angle Valves *(21 12 23)*

21 12 23 00-0015	EA	1-1/2", 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	223.74	26.13
21 12 23 00-0016	EA	1-1/2", 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	270.15	26.13
21 12 23 00-0017	EA	1-1/2", 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	253.27	26.13
21 12 23 00-0018	EA	1-1/2", 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	299.68	26.13
21 12 23 00-0019	EA	2-1/2", 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	399.93	43.55
21 12 23 00-0020	EA	2-1/2", 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	467.42	43.55
21 12 23 00-0021	EA	2-1/2", 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	473.05	43.55
21 12 23 00-0022	EA	2-1/2", 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	540.55	43.55

21 12 23 00-0023 Fire Hose Valve Cap And Chain *(21 12 23)*

21 12 23 00-0024	EA	1-1/2" Cast Brass, Fire Hose Valve Cap And Chain	43.85	9.97
21 12 23 00-0025	EA	1-1/2" Polished Brass, Fire Hose Valve Cap And Chain	70.56	9.97
21 12 23 00-0026	EA	1-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain	62.13	9.97
21 12 23 00-0027	EA	1-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain	83.22	9.97
21 12 23 00-0028	EA	1-1/2" Aluminum Brass Fire Hose Valve Cap And Chain	29.41	9.97
21 12 23 00-0029	EA	2-1/2" Cast Brass, Fire Hose Valve Cap And Chain	69.93	12.46
21 12 23 00-0030	EA	2-1/2" Polished Brass, Fire Hose Valve Cap And Chain	93.84	12.46
21 12 23 00-0031	EA	2-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain	89.62	12.46
21 12 23 00-0032	EA	2-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain	113.52	12.46
21 12 23 00-0033	EA	2-1/2" Aluminum Brass Fire Hose Valve Cap And Chain	39.20	12.46
21 12 23 00-0034	EA	3" Cast Brass, Fire Hose Valve Cap And Chain	111.30	13.46
21 12 23 00-0035	EA	3" Polished Brass, Fire Hose Valve Cap And Chain	142.24	13.46
21 12 23 00-0036	EA	3" Rough Chrome Plated, Fire Hose Valve Cap And Chain	132.40	13.46
21 12 23 00-0037	EA	3" Polished Chrome Plated, Fire Hose Valve Cap And Chain	164.74	13.46

21 12 29 Fire-Suppression Fire Hose Equipment *(21 12)*

21 12 29 00-0001 Standpipe And Fire Hose Equipment *(21 12 29)*

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	2,771.54	526.47
21 12 29 00-0003	EA	Water Motor Gong	965.08	149.15
21 12 29 00-0004	EA	Water Motor Gong With Retard Chamber Assembly	2,028.19	182.68
21 12 29 00-0005	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	864.70	17.35
21 12 29 00-0006	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	242.33	29.68
21 12 29 00-0007	EA	Spare Sprinkler Head Box For 3 Heads Note: Excludes spare sprinkler heads.	39.28	11.41
21 12 29 00-0008	EA	Spare Sprinkler Head Box For 6 Heads Note: Excludes spare sprinkler heads.	39.53	11.41
21 12 29 00-0009	EA	Spare Sprinkler Head Box For 12 Heads Note: Excludes spare sprinkler heads.	42.38	11.41

21 12 29 00-0010 Water Flow Detector *(21 12 29)*

21 12 29 00-0011 Pressure-Type Water Flow Detector *(21 12 29 00-0010)*

21 12 29 00-0012	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	373.10	91.33
21 12 29 00-0013	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	544.00	121.02
21 12 29 00-0014	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe	872.13	137.00

21 12 29 00-0015 Vane-Type Water Flow Detector *(21 12 29 00-0010)*

21 12 29 00-0016	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	476.14	91.33
21 12 29 00-0017	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	670.23	121.02
21 12 29 00-0018	EA	Vane-Type Water Flow Detector For >4" To 8" Pipe	1,072.23	137.00

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies *(21 13 13)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	659.15	
		For Copper Pipe, Add	*83.36*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-116.32*	
		For Up To 5, Add	*294.69*	
		For >5 To 10, Add	*178.37*	
		For >10 To 20, Add	*112.46*	
		For >20 To 40, Add	*48.47*	
		For >100 To 150, Deduct	*-65.92*	
		For >150, Deduct	*-131.83*	
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	834.30	
		For Copper Pipe, Add	*102.30*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-144.01*	
		For Up To 5, Add	*379.41*	
		For >5 To 10, Add	*235.40*	
		For >10 To 20, Add	*151.97*	
		For >20 To 40, Add	*64.56*	
		For >100 To 150, Deduct	*-83.43*	
		For >150, Deduct	*-166.86*	
		For Work In Restricted Working Space, Add	*137.07*	
21 13 13 00-0005		**Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies** *(21 13 13 00-0001)*		
21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	644.63	
		For Copper Pipe, Add	*81.37*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-113.60*	
		For Up To 5, Add	*288.51*	
		For >5 To 10, Add	*174.91*	
		For >10 To 20, Add	*110.45*	
		For >20 To 40, Add	*47.56*	
		For >100 To 150, Deduct	*-64.46*	
		For >150, Deduct	*-128.93*	
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	813.43	
		For Copper Pipe, Add	*99.47*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-140.14*	
		For Up To 5, Add	*370.46*	
		For >5 To 10, Add	*230.32*	
		For >10 To 20, Add	*148.98*	
		For >20 To 40, Add	*63.22*	
		For >100 To 150, Deduct	*-81.34*	
		For >150, Deduct	*-162.69*	
		For Work In Restricted Working Space, Add	*135.27*	
21 13 13 00-0008		**Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies** *(21 13 13 00-0001)*		
21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	595.12	
		For Copper Pipe, Add	*74.99*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-104.75*	
		For Up To 5, Add	*266.60*	
		For >5 To 10, Add	*161.85*	
		For >10 To 20, Add	*102.34*	
		For >20 To 40, Add	*44.03*	
		For >100 To 150, Deduct	*-59.51*	
		For >150, Deduct	*-119.02*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	752.61	
		For Copper Pipe, Add	*91.89*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-129.52*	
		For Up To 5, Add	*343.05*	
		For >5 To 10, Add	*213.53*	
		For >10 To 20, Add	*138.27*	
		For >20 To 40, Add	*58.63*	
		For >100 To 150, Deduct	*-75.26*	
		For >150, Deduct	*-150.52*	
		For Work In Restricted Working Space, Add	*126.01*	
21 13 13 00-0011		**Wet Pipe Sprinkler Components** *(21 13 13)* Note: Excludes hydraulic calculations.		
21 13 13 00-0012		**Wet Pipe Alarm Check Valves** *(21 13 13 00-0011)* Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA	2-1/2" Wet Pipe Alarm Check Valve	1,997.28	125.58
21 13 13 00-0014	EA	3" Wet Pipe Alarm Check Valve	2,033.81	143.85
21 13 13 00-0015	EA	4" Wet Pipe Alarm Check Valve	2,234.76	244.33
21 13 13 00-0016	EA	6" Wet Pipe Alarm Check Valve	2,121.80	308.26
21 13 13 00-0017	EA	8" Wet Pipe Alarm Check Valve	3,868.83	390.46
21 13 13 00-0018		**Wet Pipe Valve Trim** *(21 13 13 00-0011)* Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA	2-1/2" Wet Pipe Valve Trim	1,329.54	265.79
21 13 13 00-0020	EA	3" Wet Pipe Valve Trim	1,401.94	265.79
21 13 13 00-0021	EA	4" Wet Pipe Valve Trim	1,697.11	364.43

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0022	EA	6" Wet Pipe Valve Trim	2,006.98	506.91
21 13 13 00-0023	EA	8" Wet Pipe Valve Trim	2,207.93	627.47

21 13 13 00-0024 Wet Pipe Sprinkler Heads *(21 13 13 00-0011)*

21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0026	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	82.06	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-11.35*	
		For >500 To 1,000, Deduct	*-22.17*	
		For >1,000, Deduct	*-30.88*	
21 13 13 00-0027	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	85.99	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-11.84*	
		For >500 To 1,000, Deduct	*-22.88*	
		For >1,000, Deduct	*-31.59*	
21 13 13 00-0028	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	88.49	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.60*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-23.33*	
		For >1,000, Deduct	*-32.04*	
21 13 13 00-0029	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	84.03	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 500, Deduct	*-11.59*	
		For >500 To 1,000, Deduct	*-22.53*	
		For >1,000, Deduct	*-31.24*	
21 13 13 00-0030	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	88.11	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.58*	
		For >100 To 500, Deduct	*-12.10*	
		For >500 To 1,000, Deduct	*-23.26*	
		For >1,000, Deduct	*-31.97*	
21 13 13 00-0031	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	90.71	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.71*	
		For >100 To 500, Deduct	*-12.43*	
		For >500 To 1,000, Deduct	*-23.73*	
		For >1,000, Deduct	*-32.44*	
21 13 13 00-0032	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	109.71	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 500, Deduct	*-14.80*	
		For >500 To 1,000, Deduct	*-27.15*	
		For >1,000, Deduct	*-35.86*	
21 13 13 00-0033	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	120.23	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-16.12*	
		For >500 To 1,000, Deduct	*-29.04*	
		For >1,000, Deduct	*-37.75*	
21 13 13 00-0034	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	109.71	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 500, Deduct	*-14.80*	
		For >500 To 1,000, Deduct	*-27.15*	
		For >1,000, Deduct	*-35.86*	
21 13 13 00-0035	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	120.23	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-16.12*	
		For >500 To 1,000, Deduct	*-29.04*	
		For >1,000, Deduct	*-37.75*	
21 13 13 00-0036	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	96.10	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 500, Deduct	*-13.10*	
		For >500 To 1,000, Deduct	*-24.70*	
		For >1,000, Deduct	*-33.41*	
21 13 13 00-0037	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	101.24	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-13.74*	
		For >500 To 1,000, Deduct	*-25.63*	
		For >1,000, Deduct	*-34.34*	
21 13 13 00-0038	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	95.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 500, Deduct	*-13.11*	
		For >500 To 1,000, Deduct	*-25.37*	
		For >1,000, Deduct	*-35.05*	
21 13 13 00-0039	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	101.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.86*	
		For >500 To 1,000, Deduct	*-26.45*	
		For >1,000, Deduct	*-36.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0040	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	102.45	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.54*	
		For >100 To 500, Deduct	*-14.02*	
		For >500 To 1,000, Deduct	*-26.67*	
		For >1,000, Deduct	*-36.35*	
21 13 13 00-0041	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	95.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 500, Deduct	*-13.11*	
		For >500 To 1,000, Deduct	*-25.37*	
		For >1,000, Deduct	*-35.05*	
21 13 13 00-0042	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	101.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.86*	
		For >500 To 1,000, Deduct	*-26.45*	
		For >1,000, Deduct	*-36.13*	
21 13 13 00-0043	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	102.45	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.54*	
		For >100 To 500, Deduct	*-14.02*	
		For >500 To 1,000, Deduct	*-26.67*	
		For >1,000, Deduct	*-36.35*	
21 13 13 00-0044	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	93.39	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.21*	
		For >1,000, Deduct	*-32.92*	
21 13 13 00-0045	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	97.31	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-24.92*	
		For >1,000, Deduct	*-33.63*	
21 13 13 00-0046	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	98.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.06*	
		For >1,000, Deduct	*-33.77*	
21 13 13 00-0047	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	93.39	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.21*	
		For >1,000, Deduct	*-32.92*	
21 13 13 00-0048	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	97.31	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-24.92*	
		For >1,000, Deduct	*-33.63*	
21 13 13 00-0049	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	98.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.06*	
		For >1,000, Deduct	*-33.77*	
21 13 13 00-0050	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	98.06	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.05*	
		For >1,000, Deduct	*-33.76*	
21 13 13 00-0051	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	137.30	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-9.28*	
		For >100 To 500, Deduct	*-18.37*	
		For >500 To 1,000, Deduct	*-32.94*	
		For >1,000, Deduct	*-42.62*	
21 13 13 00-0052	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	141.81	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-18.94*	
		For >500 To 1,000, Deduct	*-33.75*	
		For >1,000, Deduct	*-43.43*	
21 13 13 00-0053	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	141.81	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-18.94*	
		For >500 To 1,000, Deduct	*-33.75*	
		For >1,000, Deduct	*-43.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0054	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	106.87	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.76*	
		For >100 To 500, Deduct	*-14.57*	
		For >500 To 1,000, Deduct	*-27.46*	
		For >1,000, Deduct	*-37.14*	
21 13 13 00-0055	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	109.96	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-14.95*	
		For >500 To 1,000, Deduct	*-28.02*	
		For >1,000, Deduct	*-37.70*	
21 13 13 00-0056	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	109.96	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-14.95*	
		For >500 To 1,000, Deduct	*-28.02*	
		For >1,000, Deduct	*-37.70*	
21 13 13 00-0057	EA	1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	364.94	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-20.42*	
		For >100 To 500, Deduct	*-46.71*	
		For >500 To 1,000, Deduct	*-73.09*	
		For >1,000, Deduct	*-81.80*	
21 13 13 00-0058	EA	3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	401.64	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-22.50*	
		For >100 To 500, Deduct	*-51.41*	
		For >500 To 1,000, Deduct	*-80.52*	
		For >1,000, Deduct	*-90.20*	
21 13 13 00-0059	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	184.28	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-11.39*	
		For >100 To 500, Deduct	*-24.12*	
		For >500 To 1,000, Deduct	*-40.57*	
		For >1,000, Deduct	*-49.28*	
21 13 13 00-0060	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	231.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-13.75*	
		For >100 To 500, Deduct	*-30.01*	
		For >500 To 1,000, Deduct	*-49.05*	
		For >1,000, Deduct	*-57.76*	
21 13 13 00-0061	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	428.17	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-23.59*	
		For >100 To 500, Deduct	*-54.61*	
		For >500 To 1,000, Deduct	*-84.47*	
		For >1,000, Deduct	*-93.18*	
21 13 13 00-0062	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	550.83	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-29.72*	
		For >100 To 500, Deduct	*-69.94*	
		For >500 To 1,000, Deduct	*-106.55*	
		For >1,000, Deduct	*-115.26*	
21 13 13 00-0063	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	236.19	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-14.23*	
		For >100 To 500, Deduct	*-30.73*	
		For >500 To 1,000, Deduct	*-50.74*	
		For >1,000, Deduct	*-60.42*	
21 13 13 00-0064	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	237.61	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-14.30*	
		For >100 To 500, Deduct	*-30.91*	
		For >500 To 1,000, Deduct	*-51.00*	
		For >1,000, Deduct	*-60.67*	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0066	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	82.06	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-11.35*	
		For >500 To 1,000, Deduct	*-22.17*	
		For >1,000, Deduct	*-30.88*	
21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	85.99	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-11.84*	
		For >500 To 1,000, Deduct	*-22.88*	
		For >1,000, Deduct	*-31.59*	
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	88.49	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.60*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-23.33*	
		For >1,000, Deduct	*-32.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	96.63	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.25*	
		For >100 To 500, Deduct	*-13.29*	
		For >500 To 1,000, Deduct	*-25.62*	
		For >1,000, Deduct	*-35.30*	
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	101.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.86*	
		For >500 To 1,000, Deduct	*-26.45*	
		For >1,000, Deduct	*-36.13*	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	101.94	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 500, Deduct	*-13.95*	
		For >500 To 1,000, Deduct	*-26.58*	
		For >1,000, Deduct	*-36.25*	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	364.94	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-20.42*	
		For >100 To 500, Deduct	*-46.71*	
		For >500 To 1,000, Deduct	*-73.09*	
		For >1,000, Deduct	*-81.80*	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	82.06	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-11.35*	
		For >500 To 1,000, Deduct	*-22.17*	
		For >1,000, Deduct	*-30.88*	
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	85.99	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-11.84*	
		For >500 To 1,000, Deduct	*-22.88*	
		For >1,000, Deduct	*-31.59*	
21 13 13 00-0076	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	88.49	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.60*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-23.33*	
		For >1,000, Deduct	*-32.04*	
21 13 13 00-0077	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	95.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 500, Deduct	*-13.11*	
		For >500 To 1,000, Deduct	*-25.37*	
		For >1,000, Deduct	*-35.05*	
21 13 13 00-0078	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	101.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.86*	
		For >500 To 1,000, Deduct	*-26.45*	
		For >1,000, Deduct	*-36.13*	
21 13 13 00-0079	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	102.45	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.54*	
		For >100 To 500, Deduct	*-14.02*	
		For >500 To 1,000, Deduct	*-26.67*	
		For >1,000, Deduct	*-36.35*	
21 13 13 00-0080	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	93.39	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.21*	
		For >1,000, Deduct	*-32.92*	
21 13 13 00-0081	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	97.31	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-24.92*	
		For >1,000, Deduct	*-33.63*	
21 13 13 00-0082	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.06*	
		For >1,000, Deduct	*-33.77*	
21 13 13 00-0083	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	93.39	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.21*	
		For >1,000, Deduct	*-32.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0084	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	97.31	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-24.92*	
		For >1,000, Deduct	*-33.63*	
21 13 13 00-0085	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.06*	
		For >1,000, Deduct	*-33.77*	
21 13 13 00-0086	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	93.39	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.21*	
		For >1,000, Deduct	*-32.92*	
21 13 13 00-0087	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	97.31	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-24.92*	
		For >1,000, Deduct	*-33.63*	
21 13 13 00-0088	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	98.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.06*	
		For >1,000, Deduct	*-33.77*	
21 13 13 00-0089	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	82.06	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-11.35*	
		For >500 To 1,000, Deduct	*-22.17*	
		For >1,000, Deduct	*-30.88*	
21 13 13 00-0090	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	85.99	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-11.84*	
		For >500 To 1,000, Deduct	*-22.88*	
		For >1,000, Deduct	*-31.59*	
21 13 13 00-0091	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	88.49	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.60*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-23.33*	
		For >1,000, Deduct	*-32.04*	
21 13 13 00-0092	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	84.04	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 500, Deduct	*-11.59*	
		For >500 To 1,000, Deduct	*-22.53*	
		For >1,000, Deduct	*-31.24*	
21 13 13 00-0093	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	86.81	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.52*	
		For >100 To 500, Deduct	*-11.94*	
		For >500 To 1,000, Deduct	*-23.03*	
		For >1,000, Deduct	*-31.74*	
21 13 13 00-0094	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	89.34	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 500, Deduct	*-12.26*	
		For >500 To 1,000, Deduct	*-23.48*	
		For >1,000, Deduct	*-32.19*	
21 13 13 00-0095	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	98.94	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 500, Deduct	*-13.58*	
		For >500 To 1,000, Deduct	*-26.04*	
		For >1,000, Deduct	*-35.71*	
21 13 13 00-0096	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	104.02	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-14.21*	
		For >500 To 1,000, Deduct	*-26.95*	
		For >1,000, Deduct	*-36.63*	
21 13 13 00-0097	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	104.02	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-14.21*	
		For >500 To 1,000, Deduct	*-26.95*	
		For >1,000, Deduct	*-36.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	96.10	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 500, Deduct	*-13.10*	
		For >500 To 1,000, Deduct	*-24.70*	
		For >1,000, Deduct	*-33.41*	
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	101.24	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-13.74*	
		For >500 To 1,000, Deduct	*-25.63*	
		For >1,000, Deduct	*-34.34*	
21 13 13 00-0100	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	108.93	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-14.71*	
		For >500 To 1,000, Deduct	*-27.01*	
		For >1,000, Deduct	*-35.72*	
21 13 13 00-0101	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	117.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-15.76*	
		For >500 To 1,000, Deduct	*-28.53*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0102	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	108.93	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-14.71*	
		For >500 To 1,000, Deduct	*-27.01*	
		For >1,000, Deduct	*-35.72*	
21 13 13 00-0103	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	117.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-15.76*	
		For >500 To 1,000, Deduct	*-28.53*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0104	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	89.47	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.65*	
		For >100 To 500, Deduct	*-12.27*	
		For >500 To 1,000, Deduct	*-23.51*	
		For >1,000, Deduct	*-32.22*	
21 13 13 00-0105	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	93.88	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 500, Deduct	*-12.82*	
		For >500 To 1,000, Deduct	*-24.30*	
		For >1,000, Deduct	*-33.01*	
21 13 13 00-0106	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	96.19	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.99*	
		For >100 To 500, Deduct	*-13.11*	
		For >500 To 1,000, Deduct	*-24.72*	
		For >1,000, Deduct	*-33.43*	
21 13 13 00-0107	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	97.09	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.70*	
		For >1,000, Deduct	*-35.38*	
21 13 13 00-0108	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	101.45	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 500, Deduct	*-13.89*	
		For >500 To 1,000, Deduct	*-26.49*	
		For >1,000, Deduct	*-36.17*	
21 13 13 00-0109	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	105.67	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 500, Deduct	*-14.42*	
		For >500 To 1,000, Deduct	*-27.25*	
		For >1,000, Deduct	*-36.92*	
21 13 13 00-0110	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	91.96	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 500, Deduct	*-12.58*	
		For >500 To 1,000, Deduct	*-23.96*	
		For >1,000, Deduct	*-32.67*	
21 13 13 00-0111	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	96.28	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.99*	
		For >100 To 500, Deduct	*-13.12*	
		For >500 To 1,000, Deduct	*-24.73*	
		For >1,000, Deduct	*-33.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0112	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.64	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.11*	
		For >100 To 500, Deduct	*-13.42*	
		For >500 To 1,000, Deduct	*-25.16*	
		For >1,000, Deduct	*-33.87*	
21 13 13 00-0113	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	98.94	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 500, Deduct	*-13.58*	
		For >500 To 1,000, Deduct	*-26.04*	
		For >1,000, Deduct	*-35.71*	
21 13 13 00-0114	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	103.48	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 500, Deduct	*-14.14*	
		For >500 To 1,000, Deduct	*-26.85*	
		For >1,000, Deduct	*-36.53*	
21 13 13 00-0115	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	107.87	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 500, Deduct	*-14.69*	
		For >500 To 1,000, Deduct	*-27.64*	
		For >1,000, Deduct	*-37.32*	
21 13 13 00-0116	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	160.72	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-10.21*	
		For >100 To 500, Deduct	*-21.18*	
		For >500 To 1,000, Deduct	*-36.33*	
		For >1,000, Deduct	*-45.04*	
21 13 13 00-0117	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	160.72	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-10.21*	
		For >100 To 500, Deduct	*-21.18*	
		For >500 To 1,000, Deduct	*-36.33*	
		For >1,000, Deduct	*-45.04*	
21 13 13 00-0118	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	111.38	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 500, Deduct	*-15.13*	
		For >500 To 1,000, Deduct	*-28.27*	
		For >1,000, Deduct	*-37.95*	
21 13 13 00-0119	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	114.71	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-8.16*	
		For >100 To 500, Deduct	*-15.55*	
		For >500 To 1,000, Deduct	*-28.87*	
		For >1,000, Deduct	*-38.55*	
21 13 13 00-0120	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	114.71	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-8.16*	
		For >100 To 500, Deduct	*-15.55*	
		For >500 To 1,000, Deduct	*-28.87*	
		For >1,000, Deduct	*-38.55*	
21 13 13 00-0121	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	106.87	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.76*	
		For >100 To 500, Deduct	*-14.57*	
		For >500 To 1,000, Deduct	*-27.46*	
		For >1,000, Deduct	*-37.14*	
21 13 13 00-0122	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	109.96	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-14.95*	
		For >500 To 1,000, Deduct	*-28.02*	
		For >1,000, Deduct	*-37.70*	
21 13 13 00-0123	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	109.96	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-14.95*	
		For >500 To 1,000, Deduct	*-28.02*	
		For >1,000, Deduct	*-37.70*	
21 13 13 00-0124	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	364.94	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-20.42*	
		For >100 To 500, Deduct	*-46.71*	
		For >500 To 1,000, Deduct	*-73.09*	
		For >1,000, Deduct	*-81.80*	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	401.64	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-22.50*	
		For >100 To 500, Deduct	*-51.41*	
		For >500 To 1,000, Deduct	*-80.52*	
		For >1,000, Deduct	*-90.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0126	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	184.28	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-11.39*	
		For >100 To 500, Deduct	*-24.12*	
		For >500 To 1,000, Deduct	*-40.57*	
		For >1,000, Deduct	*-49.28*	
21 13 13 00-0127	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	231.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-13.75*	
		For >100 To 500, Deduct	*-30.01*	
		For >500 To 1,000, Deduct	*-49.05*	
		For >1,000, Deduct	*-57.76*	
21 13 13 00-0128	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	428.17	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-23.59*	
		For >100 To 500, Deduct	*-54.61*	
		For >500 To 1,000, Deduct	*-84.47*	
		For >1,000, Deduct	*-93.18*	
21 13 13 00-0129	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	550.83	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-29.72*	
		For >100 To 500, Deduct	*-69.94*	
		For >500 To 1,000, Deduct	*-106.55*	
		For >1,000, Deduct	*-115.26*	
21 13 13 00-0130	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	236.19	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-14.23*	
		For >100 To 500, Deduct	*-30.73*	
		For >500 To 1,000, Deduct	*-50.74*	
		For >1,000, Deduct	*-60.42*	
21 13 13 00-0131	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	237.61	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-14.30*	
		For >100 To 500, Deduct	*-30.91*	
		For >500 To 1,000, Deduct	*-51.00*	
		For >1,000, Deduct	*-60.67*	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	87.93	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 500, Deduct	*-12.08*	
		For >500 To 1,000, Deduct	*-23.23*	
		For >1,000, Deduct	*-31.94*	
21 13 13 00-0135	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	91.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 500, Deduct	*-12.47*	
		For >500 To 1,000, Deduct	*-23.80*	
		For >1,000, Deduct	*-32.51*	
21 13 13 00-0136	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	96.04	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 500, Deduct	*-13.09*	
		For >500 To 1,000, Deduct	*-24.69*	
		For >1,000, Deduct	*-33.40*	
21 13 13 00-0137	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	89.70	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.66*	
		For >100 To 500, Deduct	*-12.30*	
		For >500 To 1,000, Deduct	*-23.55*	
		For >1,000, Deduct	*-32.26*	
21 13 13 00-0138	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	92.90	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.82*	
		For >100 To 500, Deduct	*-12.70*	
		For >500 To 1,000, Deduct	*-24.13*	
		For >1,000, Deduct	*-32.84*	
21 13 13 00-0139	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	97.97	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.34*	
		For >500 To 1,000, Deduct	*-25.04*	
		For >1,000, Deduct	*-33.75*	
21 13 13 00-0140	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	101.24	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-13.74*	
		For >500 To 1,000, Deduct	*-25.63*	
		For >1,000, Deduct	*-34.34*	
21 13 13 00-0141	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	106.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 500, Deduct	*-14.38*	
		For >500 To 1,000, Deduct	*-26.55*	
		For >1,000, Deduct	*-35.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0142	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	108.67	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.85*	
		For >100 To 500, Deduct	*-14.79*	
		For >500 To 1,000, Deduct	*-27.79*	
		For >1,000, Deduct	*-37.46*	
21 13 13 00-0143	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	116.34	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-8.24*	
		For >100 To 500, Deduct	*-15.75*	
		For >500 To 1,000, Deduct	*-29.17*	
		For >1,000, Deduct	*-38.85*	
21 13 13 00-0144	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	112.27	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.79*	
		For >100 To 500, Deduct	*-15.12*	
		For >500 To 1,000, Deduct	*-27.61*	
		For >1,000, Deduct	*-36.32*	
21 13 13 00-0145	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	117.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-15.76*	
		For >500 To 1,000, Deduct	*-28.53*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0146	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	112.27	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.79*	
		For >100 To 500, Deduct	*-15.12*	
		For >500 To 1,000, Deduct	*-27.61*	
		For >1,000, Deduct	*-36.32*	
21 13 13 00-0147	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	117.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-15.76*	
		For >500 To 1,000, Deduct	*-28.53*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0148	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	85.25	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.44*	
		For >100 To 500, Deduct	*-11.75*	
		For >500 To 1,000, Deduct	*-22.75*	
		For >1,000, Deduct	*-31.46*	
21 13 13 00-0149	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	87.85	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 500, Deduct	*-12.07*	
		For >500 To 1,000, Deduct	*-23.22*	
		For >1,000, Deduct	*-31.93*	
21 13 13 00-0150	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	91.08	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 500, Deduct	*-12.47*	
		For >500 To 1,000, Deduct	*-23.80*	
		For >1,000, Deduct	*-32.51*	
21 13 13 00-0151	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	93.14	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-12.85*	
		For >500 To 1,000, Deduct	*-24.99*	
		For >1,000, Deduct	*-34.67*	
21 13 13 00-0152	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	95.92	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 500, Deduct	*-13.20*	
		For >500 To 1,000, Deduct	*-25.49*	
		For >1,000, Deduct	*-35.17*	
21 13 13 00-0153	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	98.93	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 500, Deduct	*-13.58*	
		For >500 To 1,000, Deduct	*-26.03*	
		For >1,000, Deduct	*-35.71*	
21 13 13 00-0154	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	95.34	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.19*	
		For >100 To 500, Deduct	*-13.13*	
		For >500 To 1,000, Deduct	*-25.39*	
		For >1,000, Deduct	*-35.07*	
21 13 13 00-0155	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	98.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.33*	
		For >100 To 500, Deduct	*-13.49*	
		For >500 To 1,000, Deduct	*-25.91*	
		For >1,000, Deduct	*-35.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0156	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	101.36	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 500, Deduct	*-13.88*	
		For >500 To 1,000, Deduct	*-26.47*	
		For >1,000, Deduct	*-36.15*	
21 13 13 00-0157	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	101.41	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 500, Deduct	*-13.89*	
		For >500 To 1,000, Deduct	*-26.48*	
		For >1,000, Deduct	*-36.16*	
21 13 13 00-0158	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	105.68	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 500, Deduct	*-14.42*	
		For >500 To 1,000, Deduct	*-27.25*	
		For >1,000, Deduct	*-36.93*	
21 13 13 00-0159	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	105.68	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 500, Deduct	*-14.42*	
		For >500 To 1,000, Deduct	*-27.25*	
		For >1,000, Deduct	*-36.93*	
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	189.02	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-11.63*	
		For >100 To 500, Deduct	*-24.72*	
		For >500 To 1,000, Deduct	*-41.43*	
		For >1,000, Deduct	*-50.14*	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	189.02	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-11.63*	
		For >100 To 500, Deduct	*-24.72*	
		For >500 To 1,000, Deduct	*-41.43*	
		For >1,000, Deduct	*-50.14*	
21 13 13 00-0162	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	86.34	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 500, Deduct	*-11.88*	
		For >500 To 1,000, Deduct	*-22.94*	
		For >1,000, Deduct	*-31.65*	
21 13 13 00-0163	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	86.34	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 500, Deduct	*-11.88*	
		For >500 To 1,000, Deduct	*-22.94*	
		For >1,000, Deduct	*-31.65*	
21 13 13 00-0164	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	86.34	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 500, Deduct	*-11.88*	
		For >500 To 1,000, Deduct	*-22.94*	
		For >1,000, Deduct	*-31.65*	

21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	92.01	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 500, Deduct	*-12.59*	
		For >500 To 1,000, Deduct	*-23.97*	
		For >1,000, Deduct	*-32.68*	
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	95.92	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.97*	
		For >100 To 500, Deduct	*-13.08*	
		For >500 To 1,000, Deduct	*-24.67*	
		For >1,000, Deduct	*-33.38*	
21 13 13 00-0168	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	97.61	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 500, Deduct	*-13.29*	
		For >500 To 1,000, Deduct	*-24.97*	
		For >1,000, Deduct	*-33.68*	

21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0171	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead Note: Excludes cover plate	135.13	14.52
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-9.66*	
		For >100 To 500, Deduct	*-18.34*	
		For >500 To 1,000, Deduct	*-34.20*	
		For >1,000, Deduct	*-45.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0172	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head	89.13	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 500, Deduct	*-12.59*	
		For >500 To 1,000, Deduct	*-25.92*	
		For >1,000, Deduct	*-37.53*	
21 13 13 00-0173	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head	90.81	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-7.44*	
		For >100 To 500, Deduct	*-12.80*	
		For >500 To 1,000, Deduct	*-26.22*	
		For >1,000, Deduct	*-37.83*	
21 13 13 00-0174	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head	118.46	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-16.38*	
		For >500 To 1,000, Deduct	*-32.02*	
		For >1,000, Deduct	*-44.60*	
21 13 13 00-0175	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.62	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-15.65*	
		For >500 To 1,000, Deduct	*-30.32*	
		For >1,000, Deduct	*-41.94*	
21 13 13 00-0176	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.62	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-15.65*	
		For >500 To 1,000, Deduct	*-30.32*	
		For >1,000, Deduct	*-41.94*	
21 13 13 00-0177	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	118.46	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-16.38*	
		For >500 To 1,000, Deduct	*-32.02*	
		For >1,000, Deduct	*-44.60*	
21 13 13 00-0178	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	102.86	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-14.31*	
		For >500 To 1,000, Deduct	*-28.39*	
		For >1,000, Deduct	*-40.00*	
21 13 13 00-0179	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.62	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-15.65*	
		For >500 To 1,000, Deduct	*-30.32*	
		For >1,000, Deduct	*-41.94*	
21 13 13 00-0180	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.62	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-15.65*	
		For >500 To 1,000, Deduct	*-30.32*	
		For >1,000, Deduct	*-41.94*	
21 13 13 00-0181	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	105.40	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.17*	
		For >100 To 500, Deduct	*-14.63*	
		For >500 To 1,000, Deduct	*-28.84*	
		For >1,000, Deduct	*-40.46*	
21 13 13 00-0182	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	187.43	16.94
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-12.76*	
		For >100 To 500, Deduct	*-25.12*	
		For >500 To 1,000, Deduct	*-45.25*	
		For >1,000, Deduct	*-58.80*	
21 13 13 00-0183	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	97.49	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-7.78*	
		For >100 To 500, Deduct	*-13.64*	
		For >500 To 1,000, Deduct	*-27.42*	
		For >1,000, Deduct	*-39.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0184	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	101.64	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 500, Deduct	*-14.28*	
		For >500 To 1,000, Deduct	*-28.99*	
		For >1,000, Deduct	*-41.57*	
21 13 13 00-0185	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	99.00	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-7.85*	
		For >100 To 500, Deduct	*-13.83*	
		For >500 To 1,000, Deduct	*-27.69*	
		For >1,000, Deduct	*-39.31*	
21 13 13 00-0186	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	103.84	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-8.34*	
		For >100 To 500, Deduct	*-14.55*	
		For >500 To 1,000, Deduct	*-29.39*	
		For >1,000, Deduct	*-41.97*	
21 13 13 00-0187	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	119.16	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-9.10*	
		For >100 To 500, Deduct	*-16.47*	
		For >500 To 1,000, Deduct	*-32.14*	
		For >1,000, Deduct	*-44.73*	
21 13 13 00-0188	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate	222.33	16.94
		For >25 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-14.50*	
		For >100 To 500, Deduct	*-29.49*	
		For >500 To 1,000, Deduct	*-51.54*	
		For >1,000, Deduct	*-65.09*	
21 13 13 00-0189	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate	222.33	16.94
		For >25 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-14.50*	
		For >100 To 500, Deduct	*-29.49*	
		For >500 To 1,000, Deduct	*-51.54*	
		For >1,000, Deduct	*-65.09*	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0191	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	147.93	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-10.30*	
		For >100 To 500, Deduct	*-19.94*	
		For >500 To 1,000, Deduct	*-36.50*	
		For >1,000, Deduct	*-48.11*	
21 13 13 00-0192	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	167.74	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-11.53*	
		For >100 To 500, Deduct	*-22.54*	
		For >500 To 1,000, Deduct	*-40.89*	
		For >1,000, Deduct	*-53.47*	
21 13 13 00-0193	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	110.52	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.43*	
		For >100 To 500, Deduct	*-15.27*	
		For >500 To 1,000, Deduct	*-29.77*	
		For >1,000, Deduct	*-41.38*	
21 13 13 00-0194	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	109.66	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-8.63*	
		For >100 To 500, Deduct	*-15.28*	
		For >500 To 1,000, Deduct	*-30.43*	
		For >1,000, Deduct	*-43.02*	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0196	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	396.41	12.09
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-22.24*	
		For >100 To 500, Deduct	*-50.76*	
		For >500 To 1,000, Deduct	*-79.58*	
		For >1,000, Deduct	*-89.26*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	21 13 13 00-0197	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	386.35	12.09
			For >25 To 50, Deduct	*-2.42*	
			For >50 To 100, Deduct	*-21.74*	
			For >100 To 500, Deduct	*-49.50*	
			For >500 To 1,000, Deduct	*-77.77*	
			For >1,000, Deduct	*-87.45*	
	21 13 13 00-0198	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	154.80	12.09
			For >25 To 50, Deduct	*-2.42*	
			For >50 To 100, Deduct	*-10.16*	
			For >100 To 500, Deduct	*-20.56*	
			For >500 To 1,000, Deduct	*-36.09*	
			For >1,000, Deduct	*-45.77*	
	21 13 13 00-0199	EA	1/2" NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	175.66	12.09
			For >25 To 50, Deduct	*-2.42*	
			For >50 To 100, Deduct	*-11.20*	
			For >100 To 500, Deduct	*-23.17*	
			For >500 To 1,000, Deduct	*-39.85*	
			For >1,000, Deduct	*-49.52*	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

	21 13 13 00-0202	EA	1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	61.16	12.60
			For >25 To 50, Deduct	*-1.05*	
			For >50 To 100, Deduct	*-4.11*	
			For >100 To 500, Deduct	*-8.17*	
			For >500 To 1,000, Deduct	*-14.58*	
			For >1,000, Deduct	*-18.78*	
	21 13 13 00-0203	EA	1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	61.16	12.60
			For >25 To 50, Deduct	*-1.05*	
			For >50 To 100, Deduct	*-4.11*	
			For >100 To 500, Deduct	*-8.17*	
			For >500 To 1,000, Deduct	*-14.58*	
			For >1,000, Deduct	*-18.78*	
	21 13 13 00-0204	EA	1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	61.98	12.60
			For >25 To 50, Deduct	*-1.05*	
			For >50 To 100, Deduct	*-4.15*	
			For >100 To 500, Deduct	*-8.27*	
			For >500 To 1,000, Deduct	*-14.73*	
			For >1,000, Deduct	*-18.93*	
	21 13 13 00-0205	EA	1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	53.53	12.60
			For >25 To 50, Deduct	*-1.05*	
			For >50 To 100, Deduct	*-3.73*	
			For >100 To 500, Deduct	*-7.22*	
			For >500 To 1,000, Deduct	*-13.21*	
			For >1,000, Deduct	*-17.41*	
	21 13 13 00-0206	EA	1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	53.53	12.60
			For >25 To 50, Deduct	*-1.05*	
			For >50 To 100, Deduct	*-3.73*	
			For >100 To 500, Deduct	*-7.22*	
			For >500 To 1,000, Deduct	*-13.21*	
			For >1,000, Deduct	*-17.41*	
	21 13 13 00-0207	EA	1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	53.53	12.60
			For >25 To 50, Deduct	*-1.05*	
			For >50 To 100, Deduct	*-3.73*	
			For >100 To 500, Deduct	*-7.22*	
			For >500 To 1,000, Deduct	*-13.21*	
			For >1,000, Deduct	*-17.41*	
	21 13 13 00-0208	EA	1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	60.10	13.70
			For >25 To 50, Deduct	*-1.14*	
			For >50 To 100, Deduct	*-4.15*	
			For >100 To 500, Deduct	*-8.08*	
			For >500 To 1,000, Deduct	*-14.70*	
			For >1,000, Deduct	*-19.27*	

21 13 13 00-0209 Sprinkler Head Escutcheon *(21 13 13 00-0200)*

	21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	23.72	4.36
			For >25 To 50, Deduct	*-0.36*	
			For >50 To 100, Deduct	*-1.55*	
			For >100 To 500, Deduct	*-3.15*	
			For >500 To 1,000, Deduct	*-5.50*	
			For >1,000, Deduct	*-6.96*	
	21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
			For >25 To 50, Deduct	*-0.36*	
			For >50 To 100, Deduct	*-1.13*	
			For >100 To 500, Deduct	*-2.11*	
			For >500 To 1,000, Deduct	*-4.01*	
			For >1,000, Deduct	*-5.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	23.72	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 500, Deduct	*-3.15*	
		For >500 To 1,000, Deduct	*-5.50*	
		For >1,000, Deduct	*-6.96*	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	22.22	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 500, Deduct	*-2.96*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000, Deduct	*-6.69*	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	22.22	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 500, Deduct	*-2.96*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000, Deduct	*-6.69*	
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	22.97	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 500, Deduct	*-3.05*	
		For >500 To 1,000, Deduct	*-5.37*	
		For >1,000, Deduct	*-6.82*	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	22.97	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 500, Deduct	*-3.05*	
		For >500 To 1,000, Deduct	*-5.37*	
		For >1,000, Deduct	*-6.82*	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	8.17	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.26*	
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.12	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000, Deduct	*-3.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	7.41	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-3.12*	
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	8.36	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.30*	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	7.31	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000, Deduct	*-3.11*	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	7.31	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000, Deduct	*-3.11*	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	9.44	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-2.52*	
		For >1,000, Deduct	*-3.49*	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.28	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000, Deduct	*-3.10*	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	7.28	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000, Deduct	*-3.10*	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	12.58	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 500, Deduct	*-1.74*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.77*	
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.01	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-4.67*	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	12.20	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.70*	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	12.77	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-3.45*	
		For >1,000, Deduct	*-4.81*	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.20	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.70*	
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	12.58	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 500, Deduct	*-1.74*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.77*	
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.97	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.55*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-8.98*	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	36.17	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 500, Deduct	*-4.70*	
		For >500 To 1,000, Deduct	*-7.74*	
		For >1,000, Deduct	*-9.20*	

21 13 13 00-0247 Cover Plate For Sprinkler Heads *(21 13 13 00-0200)*

21 13 13 00-0248	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head	75.28	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-4.18*	
		For >100 To 500, Deduct	*-9.62*	
		For >500 To 1,000, Deduct	*-14.95*	
		For >1,000, Deduct	*-16.60*	
21 13 13 00-0249	EA	White Cover Plate For Concealed Pendent Sprinkler Head	34.36	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 500, Deduct	*-4.50*	
		For >500 To 1,000, Deduct	*-7.58*	
		For >1,000, Deduct	*-9.23*	
21 13 13 00-0250	EA	Specialty Cover Plate For Concealed Pendent Sprinkler Head	52.10	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 500, Deduct	*-6.72*	
		For >500 To 1,000, Deduct	*-10.78*	
		For >1,000, Deduct	*-12.42*	
21 13 13 00-0251	EA	Brass Cover Plate For Concealed Sidewall Sprinkler Head	47.50	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 500, Deduct	*-6.14*	
		For >500 To 1,000, Deduct	*-9.95*	
		For >1,000, Deduct	*-11.60*	
21 13 13 00-0252	EA	Chrome Cover Plate For Concealed Sidewall Sprinkler Head	37.06	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.84*	
		For >500 To 1,000, Deduct	*-8.07*	
		For >1,000, Deduct	*-9.72*	
21 13 13 00-0253	EA	White Cover Plate For Concealed Sidewall Sprinkler Head	37.06	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.84*	
		For >500 To 1,000, Deduct	*-8.07*	
		For >1,000, Deduct	*-9.72*	
21 13 13 00-0254	EA	Off-White Cover Plate For Concealed Sidewall Sprinkler Head	47.50	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 500, Deduct	*-6.14*	
		For >500 To 1,000, Deduct	*-9.95*	
		For >1,000, Deduct	*-11.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0255	EA	Black Painted Cover Plate For Concealed Sidewall Sprinkler Head	47.50	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 500, Deduct	*-6.14*	
		For >500 To 1,000, Deduct	*-9.95*	
		For >1,000, Deduct	*-11.60*	
21 13 13 00-0256	EA	Black Plated Cover Plate For Concealed Sidewall Sprinkler Head	55.77	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 500, Deduct	*-7.18*	
		For >500 To 1,000, Deduct	*-11.44*	
		For >1,000, Deduct	*-13.08*	
21 13 13 00-0257	EA	Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head	55.77	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 500, Deduct	*-7.18*	
		For >500 To 1,000, Deduct	*-11.44*	
		For >1,000, Deduct	*-13.08*	
21 13 13 00-0258	EA	Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head	55.77	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 500, Deduct	*-7.18*	
		For >500 To 1,000, Deduct	*-11.44*	
		For >1,000, Deduct	*-13.08*	
21 13 13 00-0259	EA	Specialty Cover Plate For Concealed Sidewall Sprinkler Head	47.55	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 500, Deduct	*-6.15*	
		For >500 To 1,000, Deduct	*-9.96*	
		For >1,000, Deduct	*-11.60*	
21 13 13 00-0260	EA	White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head	83.42	5.81
		For >25 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-4.65*	
		For >100 To 500, Deduct	*-10.67*	
		For >500 To 1,000, Deduct	*-16.66*	
		For >1,000, Deduct	*-18.59*	

21 13 13 00-0261 Sprinkler Escutcheon Extension Tube *(21 13 13 00-0200)*

21 13 13 00-0262	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	17.81	2.91
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.35*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-5.00*	
21 13 13 00-0263	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	23.81	3.05
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 500, Deduct	*-3.10*	
		For >500 To 1,000, Deduct	*-5.15*	
		For >1,000, Deduct	*-6.17*	
21 13 13 00-0264	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	30.54	3.20
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 500, Deduct	*-3.95*	
		For >500 To 1,000, Deduct	*-6.40*	
		For >1,000, Deduct	*-7.47*	
21 13 13 00-0265	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	36.55	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.71*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-8.64*	

21 13 13 00-0266 Sprinkler Head Guards *(21 13 13 00-0200)*

21 13 13 00-0267	EA	Universal Sprinkler Head Guard, C-1	22.77	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 500, Deduct	*-3.21*	
		For >500 To 1,000, Deduct	*-6.57*	
		For >1,000, Deduct	*-9.47*	
21 13 13 00-0268	EA	Dry Pendent Sprinkler Head Guard, C-2	25.97	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-7.14*	
		For >1,000, Deduct	*-10.05*	
21 13 13 00-0269	EA	Upright Sprinkler Head Guard With Water Shield, C-3	31.42	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.30*	
		For >100 To 500, Deduct	*-4.29*	
		For >500 To 1,000, Deduct	*-8.12*	
		For >1,000, Deduct	*-11.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0270	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	38.14	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 500, Deduct	*-5.13*	
		For >500 To 1,000, Deduct	*-9.33*	
		For >1,000, Deduct	*-12.24*	
21 13 13 00-0271	EA	Universal Sprinkler Head Guard, D-1	25.84	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 500, Deduct	*-3.59*	
		For >500 To 1,000, Deduct	*-7.12*	
		For >1,000, Deduct	*-10.02*	
21 13 13 00-0272	EA	Upright Sprinkler Head Guard With Water Shield, D-3	27.92	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 500, Deduct	*-3.85*	
		For >500 To 1,000, Deduct	*-7.49*	
		For >1,000, Deduct	*-10.40*	
21 13 13 00-0273	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	43.33	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.89*	
		For >100 To 500, Deduct	*-5.78*	
		For >500 To 1,000, Deduct	*-10.27*	
		For >1,000, Deduct	*-13.17*	
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	40.24	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 500, Deduct	*-5.39*	
		For >500 To 1,000, Deduct	*-9.71*	
		For >1,000, Deduct	*-12.62*	

21 13 13 00-0275 Flexible Sprinkler Piping *(21 13 13 00-0011)*

Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.

21 13 13 00-0276	EA	2' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	73.08	15.00
		For >25 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-5.17*	
		For >100 To 500, Deduct	*-9.89*	
		For >500 To 1,000, Deduct	*-18.30*	
		For >1,000, Deduct	*-24.34*	
21 13 13 00-0277	EA	3' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	81.21	15.48
		For >25 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-5.65*	
		For >100 To 500, Deduct	*-10.95*	
		For >500 To 1,000, Deduct	*-20.03*	
		For >1,000, Deduct	*-26.40*	
21 13 13 00-0278	EA	4' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	89.46	16.45
		For >25 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-12.02*	
		For >500 To 1,000, Deduct	*-21.81*	
		For >1,000, Deduct	*-28.53*	
21 13 13 00-0279	EA	5' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	97.97	17.42
		For >25 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-6.68*	
		For >100 To 500, Deduct	*-13.14*	
		For >500 To 1,000, Deduct	*-23.68*	
		For >1,000, Deduct	*-30.80*	
21 13 13 00-0280	EA	6' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	106.71	19.36
		For >25 To 50, Deduct	*-1.89*	
		For >50 To 100, Deduct	*-7.23*	
		For >100 To 500, Deduct	*-14.28*	
		For >500 To 1,000, Deduct	*-25.64*	
		For >1,000, Deduct	*-33.20*	

21 13 13 00-0281 Sprinkler Emergency Cabinets *(21 13 13 00-0011)*

21 13 13 00-0282	EA	3 Capacity Emergency Sprinkler Cabinet, A4	126.91
21 13 13 00-0283	EA	6 Capacity Emergency Sprinkler Cabinet, A4	131.75
21 13 13 00-0284	EA	12 Capacity Emergency Sprinkler Cabinet, A4	144.94
21 13 13 00-0285	EA	12 Capacity Emergency Sprinkler Cabinet, A3	497.34
21 13 13 00-0286	EA	Sprinkler Wrench, RC1	259.72
21 13 13 00-0287	EA	Sprinkler Wrench, FC	258.71
21 13 13 00-0288	EA	Sprinkler Wrench, W2	85.90

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assembly *(21 13 16)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	737.32
		For Up To 5, Add	*328.90*
		For >5 To 10, Add	*158.66*
		For >10 To 20, Add	*124.69*
		For >20 To 40, Add	*53.85*
		For >100 To 150, Deduct	*-73.73*
		For >150, Deduct	*-147.46*
		For Copper Pipe, Add	*93.61*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-130.48*
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	888.19
		For Up To 5, Add	*401.36*
		For >5 To 10, Add	*204.02*
		For >10 To 20, Add	*157.94*
		For >20 To 40, Add	*67.45*
		For >100 To 150, Deduct	*-88.82*
		For >150, Deduct	*-177.64*
		For Copper Pipe, Add	*110.19*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-154.60*
		For Work In Restricted Working Space, Add	*138.24*

21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	714.16
		For Up To 5, Add	*319.21*
		For >5 To 10, Add	*155.28*
		For >10 To 20, Add	*121.74*
		For >20 To 40, Add	*52.48*
		For >100 To 150, Deduct	*-71.42*
		For >150, Deduct	*-142.83*
		For Copper Pipe, Add	*90.35*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-126.06*
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	862.32
		For Up To 5, Add	*390.45*
		For >5 To 10, Add	*200.04*
		For >10 To 20, Add	*154.52*
		For >20 To 40, Add	*65.88*
		For >100 To 150, Deduct	*-86.23*
		For >150, Deduct	*-172.46*
		For Copper Pipe, Add	*106.59*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-149.70*
		For Work In Restricted Working Space, Add	*136.57*

21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	671.43
		For Up To 5, Add	*299.83*
		For >5 To 10, Add	*145.30*
		For >10 To 20, Add	*114.03*
		For >20 To 40, Add	*49.20*
		For >100 To 150, Deduct	*-67.14*
		For >150, Deduct	*-134.29*
		For Copper Pipe, Add	*85.08*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-118.66*
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	802.59
		For Up To 5, Add	*363.44*
		For >5 To 10, Add	*186.26*
		For >10 To 20, Add	*143.86*
		For >20 To 40, Add	*61.33*
		For >100 To 150, Deduct	*-80.26*
		For >150, Deduct	*-160.52*
		For Copper Pipe, Add	*99.19*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-139.32*
		For Work In Restricted Working Space, Add	*127.21*

21 13 16 00-0011 Dry-Pipe Sprinkler System Compressors *(21 13 16 00-0001)*

21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	3,334.13	306.11
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	3,496.64	306.11
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	3,633.76	306.11
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	4,166.98	306.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0016		**Dry Pipe Sprinkler System Components** *(21 13 16)*		
21 13 16 00-0017		**Dry Pipe Valves** *(21 13 16 00-0016)*		
		Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve	4,268.26	188.38
21 13 16 00-0019	EA	3" Dry Pipe Valve	4,749.63	215.78
21 13 16 00-0020	EA	4" Dry Pipe Valve	5,244.72	366.48
21 13 16 00-0021	EA	6" Dry Pipe Valve	6,652.02	462.39
21 13 16 00-0022	EA	8" Dry Pipe Valve	10,240.96	465.81
21 13 16 00-0023		**Dry Pipe Valve Trim** *(21 13 16 00-0016)*		
		Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0024	EA	2-1/2" Dry Pipe Valve Trim	1,535.67	265.79
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0025	EA	3" Dry Pipe Valve Trim	1,576.76	292.27
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0026	EA	4" Dry Pipe Valve Trim	1,779.86	364.43
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0027	EA	6" Dry Pipe Valve Trim	1,898.60	438.41
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0028	EA	8" Dry Pipe Valve Trim	2,141.06	493.22
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0029		**Dry Pipe Fire Protection Air Compressors** *(21 13 16 00-0016)*		
21 13 16 00-0030	EA	1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,543.01	178.21
21 13 16 00-0031	EA	3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,872.24	189.71
21 13 16 00-0032	EA	4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,395.62	202.35
21 13 16 00-0033	EA	6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,610.04	233.39
21 13 16 00-0034	EA	7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,230.48	275.93
21 13 16 00-0035	EA	11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,080.28	292.03
21 13 16 00-0036	EA	14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,943.07	303.53
21 13 16 00-0037		**Dry Pipe Fire Protection Nitrogen Generator** *(21 13 16 00-0016)*		
21 13 16 00-0038	EA	675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	11,175.79	275.93
21 13 16 00-0039	EA	950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	12,400.09	292.03
21 13 16 00-0040	EA	2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	17,614.56	379.40
21 13 16 00-0041		**Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response** *(21 13 16 00-0016)*		
21 13 16 00-0042	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	276.48	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-16.73*	
		For >100 To 500, Deduct	*-36.01*	
		For >500 To 1,000, Deduct	*-59.64*	
		For >1,000, Deduct	*-71.25*	
21 13 16 00-0043	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	289.06	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-17.36*	
		For >100 To 500, Deduct	*-37.58*	
		For >500 To 1,000, Deduct	*-61.90*	
		For >1,000, Deduct	*-73.52*	
21 13 16 00-0044	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	301.65	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-17.99*	
		For >100 To 500, Deduct	*-39.16*	
		For >500 To 1,000, Deduct	*-64.17*	
		For >1,000, Deduct	*-75.78*	
21 13 16 00-0045	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	314.27	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-18.62*	
		For >100 To 500, Deduct	*-40.74*	
		For >500 To 1,000, Deduct	*-66.44*	
		For >1,000, Deduct	*-78.05*	
21 13 16 00-0046	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	326.86	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-19.25*	
		For >100 To 500, Deduct	*-42.31*	
		For >500 To 1,000, Deduct	*-68.71*	
		For >1,000, Deduct	*-80.32*	
21 13 16 00-0047	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	339.45	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-19.88*	
		For >100 To 500, Deduct	*-43.88*	
		For >500 To 1,000, Deduct	*-70.97*	
		For >1,000, Deduct	*-82.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0048	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	352.03	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-20.51*	
		For >100 To 500, Deduct	*-45.46*	
		For >500 To 1,000, Deduct	*-73.24*	
		For >1,000, Deduct	*-84.85*	
21 13 16 00-0049	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	364.65	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-21.14*	
		For >100 To 500, Deduct	*-47.03*	
		For >500 To 1,000, Deduct	*-75.51*	
		For >1,000, Deduct	*-87.12*	
21 13 16 00-0050	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	377.22	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-21.76*	
		For >100 To 500, Deduct	*-48.60*	
		For >500 To 1,000, Deduct	*-77.77*	
		For >1,000, Deduct	*-89.39*	
21 13 16 00-0051	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	389.82	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-22.39*	
		For >100 To 500, Deduct	*-50.18*	
		For >500 To 1,000, Deduct	*-80.04*	
		For >1,000, Deduct	*-91.65*	
21 13 16 00-0052	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	402.42	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-23.02*	
		For >100 To 500, Deduct	*-51.75*	
		For >500 To 1,000, Deduct	*-82.31*	
		For >1,000, Deduct	*-93.92*	
21 13 16 00-0053	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	415.01	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-23.65*	
		For >100 To 500, Deduct	*-53.33*	
		For >500 To 1,000, Deduct	*-84.57*	
		For >1,000, Deduct	*-96.19*	
21 13 16 00-0054	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	427.63	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-24.29*	
		For >100 To 500, Deduct	*-54.91*	
		For >500 To 1,000, Deduct	*-86.85*	
		For >1,000, Deduct	*-98.46*	
21 13 16 00-0055	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	440.19	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-24.91*	
		For >100 To 500, Deduct	*-56.48*	
		For >500 To 1,000, Deduct	*-89.11*	
		For >1,000, Deduct	*-100.72*	
21 13 16 00-0056	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	452.80	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-25.54*	
		For >100 To 500, Deduct	*-58.05*	
		For >500 To 1,000, Deduct	*-91.38*	
		For >1,000, Deduct	*-102.99*	

21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0058	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	273.45	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-16.58*	
		For >100 To 500, Deduct	*-35.63*	
		For >500 To 1,000, Deduct	*-59.09*	
		For >1,000, Deduct	*-70.71*	
21 13 16 00-0059	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	286.06	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-17.21*	
		For >100 To 500, Deduct	*-37.21*	
		For >500 To 1,000, Deduct	*-61.36*	
		For >1,000, Deduct	*-72.98*	
21 13 16 00-0060	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	298.68	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-17.84*	
		For >100 To 500, Deduct	*-38.79*	
		For >500 To 1,000, Deduct	*-63.63*	
		For >1,000, Deduct	*-75.25*	
21 13 16 00-0061	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	311.23	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-18.47*	
		For >100 To 500, Deduct	*-40.36*	
		For >500 To 1,000, Deduct	*-65.89*	
		For >1,000, Deduct	*-77.51*	
21 13 16 00-0062	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	323.84	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-19.10*	
		For >100 To 500, Deduct	*-41.93*	
		For >500 To 1,000, Deduct	*-68.16*	
		For >1,000, Deduct	*-79.78*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0063		EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	336.41	19.17
			For >25 To 50, Deduct	*-2.90*	
			For >50 To 100, Deduct	*-19.72*	
			For >100 To 500, Deduct	*-43.50*	
			For >500 To 1,000, Deduct	*-70.43*	
			For >1,000, Deduct	*-82.04*	
21 13 16 00-0064		EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	349.04	19.17
			For >25 To 50, Deduct	*-2.90*	
			For >50 To 100, Deduct	*-20.36*	
			For >100 To 500, Deduct	*-45.08*	
			For >500 To 1,000, Deduct	*-72.70*	
			For >1,000, Deduct	*-84.31*	
21 13 16 00-0065		EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	361.63	19.17
			For >25 To 50, Deduct	*-2.90*	
			For >50 To 100, Deduct	*-20.99*	
			For >100 To 500, Deduct	*-46.66*	
			For >500 To 1,000, Deduct	*-74.97*	
			For >1,000, Deduct	*-86.58*	
21 13 16 00-0066		EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	374.19	19.17
			For >25 To 50, Deduct	*-2.90*	
			For >50 To 100, Deduct	*-21.61*	
			For >100 To 500, Deduct	*-48.23*	
			For >500 To 1,000, Deduct	*-77.23*	
			For >1,000, Deduct	*-88.84*	
21 13 16 00-0067		EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	386.78	19.17
			For >25 To 50, Deduct	*-2.90*	
			For >50 To 100, Deduct	*-22.24*	
			For >100 To 500, Deduct	*-49.80*	
			For >500 To 1,000, Deduct	*-79.49*	
			For >1,000, Deduct	*-91.11*	
21 13 16 00-0068		EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	399.39	19.17
			For >25 To 50, Deduct	*-2.90*	
			For >50 To 100, Deduct	*-22.87*	
			For >100 To 500, Deduct	*-51.38*	
			For >500 To 1,000, Deduct	*-81.76*	
			For >1,000, Deduct	*-93.38*	
21 13 16 00-0069		EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	411.98	19.17
			For >25 To 50, Deduct	*-2.90*	
			For >50 To 100, Deduct	*-23.50*	
			For >100 To 500, Deduct	*-52.95*	
			For >500 To 1,000, Deduct	*-84.03*	
			For >1,000, Deduct	*-95.64*	
21 13 16 00-0070		EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	449.78	19.17
			For >25 To 50, Deduct	*-2.90*	
			For >50 To 100, Deduct	*-25.39*	
			For >100 To 500, Deduct	*-57.67*	
			For >500 To 1,000, Deduct	*-90.83*	
			For >1,000, Deduct	*-102.45*	
21 13 16 00-0071		EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	462.38	19.17
			For >25 To 50, Deduct	*-2.90*	
			For >50 To 100, Deduct	*-26.02*	
			For >100 To 500, Deduct	*-59.25*	
			For >500 To 1,000, Deduct	*-93.10*	
			For >1,000, Deduct	*-104.71*	
21 13 16 00-0072		EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	467.40	19.17
			For >25 To 50, Deduct	*-2.90*	
			For >50 To 100, Deduct	*-26.27*	
			For >100 To 500, Deduct	*-59.88*	
			For >500 To 1,000, Deduct	*-94.00*	
			For >1,000, Deduct	*-105.62*	

21 13 19 Preaction Sprinkler Systems *(21 13)*

21 13 19 00-0001 Complete Preaction Sprinkler Systems Assemblies *(21 13 19)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

21 13 19 00-0003		EA	Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	661.36	
			For Up To 5, Add	*298.09*	
			For >5 To 10, Add	*182.59*	
			For >10 To 20, Add	*116.46*	
			For >20 To 40, Add	*49.84*	
			For >100 To 150, Deduct	*-66.14*	
			For >150, Deduct	*-132.27*	

21 13 19 00-0004 Extra Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	615.60	
		For Up To 5, Add	*277.50*	
		For >5 To 10, Add	*170.01*	
		For >10 To 20, Add	*108.45*	
		For >20 To 40, Add	*46.41*	
		For >100 To 150, Deduct	*-61.56*	
		For >150, Deduct	*-123.12*	

21 13 26 Deluge Fire-Suppression Sprinkler Systems *(21 13)*

21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)*

See CSI section 23 21 13 23-0000 for pipe and fittings.

21 13 26 00-0002 Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment *(21 13 26 00-0001)*

21 13 26 00-0003	EA	3" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	7,397.47	537.72
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*632.21*	
21 13 26 00-0004	EA	4" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	9,155.05	604.88
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*794.53*	
21 13 26 00-0005	EA	6" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	10,847.38	879.85
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*908.77*	
21 13 26 00-0006	EA	8" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	18,429.15	1,057.34
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*1,631.45*	

21 13 39 Foam-Water Systems *(21 13)*

21 13 39 00-0001 Foam Control Valves And Monitors *(21 13 39)*

21 13 39 00-0002 Control Valves *(21 13 39 00-0001)*

21 13 39 00-0003	EA	3" Foam Control Valve	5,366.83	537.72

21 13 39 00-0004 Supply Valves *(21 13 39 00-0001)*

21 13 39 00-0005	EA	2-1/2" Foam Supply Valve	4,547.59	604.88

21 13 39 00-0006 Proportioners *(21 13 39 00-0001)*

21 13 39 00-0007	EA	8" Foam Proportioner	2,826.73	879.85

21 13 39 00-0008 Monitors *(21 13 39 00-0001)*

21 13 39 00-0009	EA	Oscillating Foam Monitor	6,633.69	120.98

21 13 41 Fire-Suppression Sprinkler Piping *(21 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe and fittings, 22 11 16 00-0383 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0858 for flanged black steel pipe fittings, 23 21 13 23-1456 for grooved pipe, 23 21 13 23-1529 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.

21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41)*

Note: SDR 13.5

21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41 00-0001)*

21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.40	1.55
		For Work In Restricted Working Space, Add	*1.16*	
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.52	1.64
		For Work In Restricted Working Space, Add	*1.25*	
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	8.24	1.84
		For Work In Restricted Working Space, Add	*1.37*	
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.14	2.03
		For Work In Restricted Working Space, Add	*1.51*	
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	13.10	2.23
		For Work In Restricted Working Space, Add	*1.68*	
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	18.06	2.51
		For Work In Restricted Working Space, Add	*1.92*	
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	25.33	3.00
		For Work In Restricted Working Space, Add	*2.27*	

21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	25.22	9.29
		For Work In Restricted Working Space, Add	*6.97*	
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	33.46	11.61
		For Work In Restricted Working Space, Add	*8.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	41.86	14.52
		For Work In Restricted Working Space, Add	*10.92*	
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	48.00	16.07
		For Work In Restricted Working Space, Add	*12.08*	
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	54.56	18.01
		For Work In Restricted Working Space, Add	*13.47*	
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	69.65	20.42
		For Work In Restricted Working Space, Add	*15.33*	
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	85.62	24.20
		For Work In Restricted Working Space, Add	*18.12*	
21 13 41 00-0018		**Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	25.92	9.29
		For Work In Restricted Working Space, Add	*6.97*	
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	32.33	11.61
		For Work In Restricted Working Space, Add	*8.74*	
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	41.02	14.52
		For Work In Restricted Working Space, Add	*10.92*	
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	46.65	16.07
		For Work In Restricted Working Space, Add	*12.08*	
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	52.87	18.01
		For Work In Restricted Working Space, Add	*13.47*	
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	65.38	20.42
		For Work In Restricted Working Space, Add	*15.33*	
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	80.93	24.20
		For Work In Restricted Working Space, Add	*18.12*	
21 13 41 00-0026		**Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	37.53	13.94
		For Work In Restricted Working Space, Add	*10.45*	
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	49.08	17.52
		For Work In Restricted Working Space, Add	*13.13*	
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	62.60	21.87
		For Work In Restricted Working Space, Add	*16.37*	
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	72.19	24.20
		For Work In Restricted Working Space, Add	*18.12*	
21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	84.84	26.90
		For Work In Restricted Working Space, Add	*20.21*	
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	105.06	30.68
		For Work In Restricted Working Space, Add	*23.00*	
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	124.12	36.19
		For Work In Restricted Working Space, Add	*27.18*	
21 13 41 00-0034		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	45.28	16.35
		For Work In Restricted Working Space, Add	*12.22*	
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	59.23	20.42
		For Work In Restricted Working Space, Add	*15.27*	
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	66.41	22.55
		For Work In Restricted Working Space, Add	*16.90*	
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	78.97	25.17
		For Work In Restricted Working Space, Add	*18.87*	
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	93.61	28.65
		For Work In Restricted Working Space, Add	*21.46*	
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	110.09	33.77
		For Work In Restricted Working Space, Add	*25.37*	
21 13 41 00-0041		**Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	50.71	18.58
		For Work In Restricted Working Space, Add	*13.94*	
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	63.59	23.32
		For Work In Restricted Working Space, Add	*17.48*	
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	80.16	29.13
		For Work In Restricted Working Space, Add	*21.83*	
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	90.60	32.23
		For Work In Restricted Working Space, Add	*24.16*	
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	106.43	35.90
		For Work In Restricted Working Space, Add	*26.95*	
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	138.43	40.84
		For Work In Restricted Working Space, Add	*30.66*	
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	17.39	6.19
		For Work In Restricted Working Space, Add	*4.64*	
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	23.29	8.32
		For Work In Restricted Working Space, Add	*6.24*	
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	30.93	10.93
		For Work In Restricted Working Space, Add	*8.19*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0052		EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	35.37	12.09
			For Work In Restricted Working Space, Add	*9.06*	
21 13 41 00-0053		EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	40.70	13.46
			For Work In Restricted Working Space, Add	*10.10*	
21 13 41 00-0054		EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	49.06	15.29
			For Work In Restricted Working Space, Add	*11.50*	
21 13 41 00-0055		EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	59.29	18.10
			For Work In Restricted Working Space, Add	*13.59*	

21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0057		EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	8.90	3.10
			For Work In Restricted Working Space, Add	*2.33*	
21 13 41 00-0058		EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	14.12	5.03
			For Work In Restricted Working Space, Add	*3.75*	
21 13 41 00-0059		EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	16.28	5.42
			For Work In Restricted Working Space, Add	*4.10*	
21 13 41 00-0060		EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	18.73	6.00
			For Work In Restricted Working Space, Add	*4.53*	
21 13 41 00-0061		EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	22.31	6.78
			For Work In Restricted Working Space, Add	*5.05*	
21 13 41 00-0062		EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	27.06	7.65
			For Work In Restricted Working Space, Add	*5.75*	
21 13 41 00-0063		EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	35.45	9.10
			For Work In Restricted Working Space, Add	*6.80*	

21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0065		EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	24.43	9.19
			For Work In Restricted Working Space, Add	*6.88*	
21 13 41 00-0066		EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	32.42	12.00
			For Work In Restricted Working Space, Add	*9.00*	
21 13 41 00-0067		EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	35.83	13.25
			For Work In Restricted Working Space, Add	*9.96*	
21 13 41 00-0068		EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	40.91	14.81
			For Work In Restricted Working Space, Add	*11.12*	
21 13 41 00-0069		EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	48.80	16.84
			For Work In Restricted Working Space, Add	*12.66*	
21 13 41 00-0070		EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	59.79	19.93
			For Work In Restricted Working Space, Add	*14.95*	

21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0072		EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	22.01	6.78
			For Work In Restricted Working Space, Add	*5.11*	
21 13 41 00-0073		EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	28.20	9.19
			For Work In Restricted Working Space, Add	*6.88*	

21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0075		EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	22.01	6.78
			For Work In Restricted Working Space, Add	*5.11*	
21 13 41 00-0076		EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	28.20	9.19
			For Work In Restricted Working Space, Add	*6.88*	

21 13 41 00-0077 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0078		EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	25.53	8.32
			For Work In Restricted Working Space, Add	*6.27*	
21 13 41 00-0079		EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	32.70	10.45
			For Work In Restricted Working Space, Add	*7.87*	
21 13 41 00-0080		EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	34.12	10.45
			For Work In Restricted Working Space, Add	*7.87*	

21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0082		EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	41.86	13.94
			For Work In Restricted Working Space, Add	*10.45*	
21 13 41 00-0083		EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	51.35	17.52
			For Work In Restricted Working Space, Add	*13.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	67.23	21.87
		For Work In Restricted Working Space, Add	*16.37*	
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	77.09	24.20
		For Work In Restricted Working Space, Add	*18.12*	
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	90.81	26.90
		For Work In Restricted Working Space, Add	*20.21*	

21 20 Fire-Extinguishing Systems *(21)*

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

21 21 16 00-0001 Carbon Dioxide Cylinders *(21 21 16)*

21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 Lb.	3,003.93	262.77
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 Lb. (Each)	6,007.87	525.54
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	400.49	137.64
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	184.15	48.01
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	44.80	19.47

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001 Ansul Fire Control Systems *(21 22 16)*

21 22 16 00-0002 Sapphire® Fire Suppression Systems *(21 22 16 00-0001)*

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0004	EA	20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent.	1,749.16	89.59
21 22 16 00-0005	EA	40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent.	1,993.93	89.59
21 22 16 00-0006	EA	80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent.	2,026.11	89.59
21 22 16 00-0007	EA	140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent.	2,875.73	119.44
21 22 16 00-0008	EA	280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent.	3,037.53	119.44
21 22 16 00-0009	EA	390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent.	3,247.58	149.31
21 22 16 00-0010	EA	450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent.	3,444.87	149.31
21 22 16 00-0011	EA	850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent.	5,194.64	179.16
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	43.71	179.16

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	167.66	14.93
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	171.83	14.93
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	182.28	14.93
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	189.59	14.93
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	200.02	14.93
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	231.33	14.93
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	167.66	14.93
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	171.83	14.93
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	182.28	14.93
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	189.59	14.93
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	200.02	14.93
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	231.33	14.93

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System *(21 22 16 00-0002)*

21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	15.40	4.48
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	17.20	4.48
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	23.84	10.45
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	55.11	13.38
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	81.03	13.38
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	97.55	13.38
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	49.15	13.38
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	344.31	119.44
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	329.47	89.59
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	732.64	119.44

21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	54.92	14.93
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	59.63	14.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0040		**Cylinder Bracketing, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	168.93	44.79
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	178.32	44.79
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	190.33	44.79
21 22 16 00-0044		**Check Valves, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	447.45	47.54
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	629.60	81.58
21 22 16 00-0047		**Discharge Hose, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	142.18	29.87
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	526.35	29.87
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	443.87	29.87
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,938.32	119.44
21 22 16 00-0052		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	51.38	20.91
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	90.41	20.91
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	249.09	14.93
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	322.32	14.93
21 22 16 00-0057		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	188.86	59.72
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	186.92	25.08
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	577.52	104.51
21 22 16 00-0061		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	666.03	20.91
21 22 16 00-0063	EA	Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	697.37	20.91
21 22 16 00-0064	EA	Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	747.63	29.87
21 22 16 00-0065		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	52.53	17.92
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	65.70	20.91
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	221.12	89.59
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	256.93	89.59
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	286.68	89.59
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	382.72	89.59
21 22 16 00-0072		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	62.79	23.89
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	101.37	14.93
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	137.50	29.87
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	366.24	119.44
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	548.91	119.44
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,829.75	119.44
21 22 16 00-0079		**Inergen® Fire Suppression System** *(21 22 16 00-0001)*		
21 22 16 00-0080		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	198.03	29.59
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	230.05	31.80
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	411.60	57.55
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	829.06	131.07
21 22 16 00-0085		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,979.50	172.98
21 22 16 00-0087		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	58.85	9.07
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	691.31	97.20
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	2,152.14	304.11
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	2,052.89	309.81
21 22 16 00-0092		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0079)* Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,796.78	278.32
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	2,038.20	315.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,912.89	408.63
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,918.90	499.34
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	2,110.44	351.60
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,985.66	445.03
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	3,088.34	536.58
21 22 16 00-0100		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	67.80	10.12
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	67.80	10.12
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	81.68	11.24
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,291.84	193.14
21 22 16 00-0105		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	21.74	2.96
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	30.84	4.23
21 22 16 00-0108		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	23.96	3.31
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	22.17	3.31
21 22 16 00-0111		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	96.37	14.25
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	101.13	14.93
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	117.47	17.24
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	130.97	19.47
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	150.23	22.38
21 22 16 00-0117		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	147.61	22.06
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	153.13	22.71
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	141.26	21.03
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	144.78	22.71
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	167.93	24.98
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	179.52	26.60
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	193.27	28.54
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	332.72	49.96
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	439.91	65.53
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	479.58	72.02
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	171.92	25.93
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	202.78	30.37
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	166.87	24.98
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	178.23	26.47
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	179.80	26.60
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	217.04	32.31
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	233.94	35.03
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	359.11	53.76
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	419.32	62.94
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	459.46	68.77
21 22 16 00-0138		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	193.27	28.54
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	237.14	35.56
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	255.07	38.28
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	359.11	53.76
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	392.39	58.91
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	461.04	68.77
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	536.04	80.64
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	633.76	95.38
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	807.99	188.16
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	1,039.16	220.61
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,334.05	369.83
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	788.15	188.16
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	872.48	131.42
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,334.05	369.83
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	804.85	188.16
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	906.81	136.58
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,308.99	369.83
21 22 16 00-0156		**Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	908.54	143.39
21 22 16 00-0158		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,488.82	222.46
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	2,117.31	296.43
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,243.49	301.54
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	105.06	15.33
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	125.79	20.31
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,201.44	158.71

21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System *(21 22 16 00-0079)*

21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	131.16	15.07
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	137.47	15.87
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	144.28	16.14
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	154.76	16.68
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	161.15	18.29
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	162.05	19.77
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	356.46	52.99
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	359.65	53.53
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	461.04	68.59

21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System *(21 22 16 00-0079)*

21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	167.93	24.98
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	232.56	57.10

21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System *(21 22 16 00-0079)*

21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	434.59	36.92
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	368.08	55.12
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	755.79	369.83
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	230.77	34.48
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	270.89	40.23
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	750.51	369.83
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	240.28	36.11
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	281.48	42.09
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	776.61	369.83
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	46.60	2.74
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	47.14	3.01
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	50.81	3.57

21 22 16 00-0191 Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System *(21 22 16 00-0079)*

21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	29.41	4.39
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	241.66	33.36
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	181.14	33.36

21 22 16 00-0195 Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0001)*

21 22 16 00-0196 Accessory Switches, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	189.64	28.79
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	215.55	32.81
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	274.15	41.69
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	295.30	44.92
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	369.79	56.49
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	393.56	59.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	754.43	115.67
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	60.67	8.61
21 22 16 00-0205		**Alarm Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	164.29	25.01
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	240.89	36.59
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	21.97	3.33
21 22 16 00-0209		**Annunciators, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,893.16	290.24
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,587.01	243.16
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,231.99	188.83
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	1,072.98	164.35
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	1,072.98	164.35
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	859.53	131.54
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,587.01	243.16
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	322.76	49.23
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	404.66	61.87
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	811.47	124.27
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	137.09	20.84
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	186.50	28.79
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	322.78	49.23
21 22 16 00-0223		**Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	251.06	40.08
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	15.56	2.75
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	106.95	3.33
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	16.86	3.33
21 22 16 00-0228		**Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	558.22	89.84
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	334.60	53.53
21 22 16 00-0231		**Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	246.00	34.43
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	514.57	72.89
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	580.73	82.58
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	758.07	100.60
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,223.75	174.58
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	183.29	27.71
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	327.54	50.03
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	666.18	101.95
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,936.76	296.96
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,416.36	217.07
21 22 16 00-0242		**Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	149.25	23.00
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	139.59	22.87
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	189.44	32.81
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	280.51	42.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	218.28	34.70
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	205.13	33.36
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	32.68	5.32
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	120.48	18.83
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	120.44	18.29
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	43.90	15.07
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	11.08	1.67
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	115.93	17.61
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	67.93	10.39
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	183.78	27.44
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	96.14	14.52
21 22 16 00-0258		**Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	27.63	3.91
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	17.11	2.15
21 22 16 00-0261		**Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	240.89	36.59
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	723.84	105.17
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,383.10	211.96
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	36.87	5.49
21 22 16 00-0266		**Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0001)*		
21 22 16 00-0267		**Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	187.16	25.83
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	405.54	38.93
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	1,041.64	150.63
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	1,041.64	150.63
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,565.02	225.95
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,565.02	225.95
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,281.94	287.82
21 22 16 00-0275		**Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	33.59	4.84
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	50.40	4.84
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	73.37	9.15
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	113.87	10.23
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	143.97	20.44
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	265.46	25.83
21 22 16 00-0282		**Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	7,879.62	1,264.24
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	10,048.12	1,560.13
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	9,087.29	1,425.63
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	12,625.54	1,882.92
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	13,293.41	1,990.52
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	12,765.10	1,909.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	13,481.56	2,017.41
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	13,869.15	2,098.11
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	14,472.65	2,205.71
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	15,211.52	2,313.30
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	15,861.99	2,420.90
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	14,899.96	2,205.71
21 22 16 00-0295		**Displays, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	2,387.71	295.88
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,399.20	295.88
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	2,162.49	268.99
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	2,175.84	268.99
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,688.43	322.79
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	2,285.21	279.75
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,502.34	314.18
21 22 16 00-0303		**Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	6,019.90	887.66
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	4,955.55	710.13
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,754.07	268.99
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,260.71	174.84
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,755.61	235.63
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	2,511.10	290.51
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	331.06	43.57
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,211.32	268.99
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,582.88	223.26
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,242.82	172.15
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,585.39	223.26
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,582.88	223.26
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,563.93	209.81
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	186.02	18.83
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	7,558.52	1,032.92
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	13,171.63	1,807.60
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	1,028.53	134.49
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	23.38	2.69
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	13.08	0.53
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	567.06	78.00
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	687.01	94.68
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	991.80	137.19
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	146.17	20.44
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	22.95	4.31
21 22 16 00-0328		**Labels And Decals, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	20.77	3.23
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	21.86	3.76
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	33.59	4.84
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	33.64	4.84
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	122.02	18.29
21 22 16 00-0334		**Mounting Hardware, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	300.60	38.73
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	404.93	51.64
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	414.72	56.49
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	1,002.04	80.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,481.74	177.53
21 22 16 00-0340		**Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0341	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	5.42	1.55
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	9.04	3.10
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	24.50	9.29
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	25.44	9.29
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	17.63	6.19
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	28.72	9.29
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	37.79	13.94
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	47.77	16.35
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	5.60	1.94
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	22.11	5.92
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	26.63	4.31
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	38.16	5.92
21 22 16 00-0353		**Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,733.28	206.59
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,770.17	237.79
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	1,071.63	145.25
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,224.24	164.08
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,733.28	206.59
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	2,090.16	237.79
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	593.63	73.16
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	893.11	111.90
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,684.65	231.33
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,471.35	338.92
21 22 16 00-0364		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0001)*		
21 22 16 00-0365		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0364)*		
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	133.48	18.83
21 22 16 00-0367	EA	Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	99.84	13.99
21 22 16 00-0368		**Industrial Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0369		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,235.86	496.29
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	98.51	11.40
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	97.73	14.80
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	58.22	8.88
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	23.79	3.60
21 22 16 00-0375		**Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	110.30	15.60
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	155.52	22.05
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,214.38	173.23
21 22 16 00-0379	EA	Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	35.31	5.00
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	15.83	2.23
21 22 16 00-0381		**Marine Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0382		**Alarm Devices, Marine Fire Control System** *(21 22 16 00-0381)*		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	63.98	9.04
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	117.99	17.48
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	117.99	17.48
21 22 16 00-0386		**FM200 System Equipment** *(21 22 16)*		
21 22 16 00-0387	EA	26 Lb. Cylinder, Filled, For FM200 Fire Protection system	3,751.34	129.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0388	EA	44 Lb. Cylinder, Filled, For FM200 Fire Protection system	5,376.14	148.58
21 22 16 00-0389	EA	63 Lb. Cylinder, Filled, For FM200 Fire Protection system	6,381.64	175.18
21 22 16 00-0390	EA	101 Lb. Cylinder, Filled, For FM200 Fire Protection system	8,456.97	207.62
21 22 16 00-0391	EA	196 Lb. Cylinder, Filled, For FM200 Fire Protection system	13,216.57	259.53
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	836.51	259.53
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	291.60	86.30
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	354.62	64.88
21 22 16 00-0395	LB	FM200 Gas	29.23	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system	6,115.73	69.81
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system	881.94	97.58
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	879.20	104.59
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	219.47	36.98
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	258.25	69.81
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	1,137.83	104.59
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system	865.48	275.88
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	4,475.37	518.28
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	7,260.39	1,037.74
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	362.31	104.59
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	3,623.19	392.80
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	392.82	104.59
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	359.37	104.59
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,643.14	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system	247.40	48.66

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001 Kidde Fire Systems *(21 23 16)*

Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware *(21 23 16 00-0001)*

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	1,046.35	107.49
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,202.32	133.89
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,473.30	165.19
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,739.78	196.00
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	58.65	5.62
21 23 16 00-0008	EA	System Valve Actuator	210.68	22.34
21 23 16 00-0009	EA	Vent Plug	39.53	4.54
21 23 16 00-0010	EA	Gauge Shield	98.58	11.95
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	108.59	11.95
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	115.10	12.66
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	218.77	23.89
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	215.05	27.12
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	291.21	27.18
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	39.69	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	41.82	

21 23 16 00-0018 Nozzles And Accessories *(21 23 16 00-0001)*

21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	97.37	10.99
21 23 16 00-0020	EA	LPF Or DM Nozzle	105.84	10.99
21 23 16 00-0021	EA	LPR Nozzle	123.28	10.99
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	73.06	7.76
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	11.51	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	7.10	0.71
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	38.92	10.93

21 23 16 00-0026 Control Systems *(21 23 16 00-0001)*

21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	1,233.75	71.67
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	104.98	11.95
21 23 16 00-0029	EA	24" High Pressure Hose	124.18	11.95
21 23 16 00-0030	EA	60" High Pressure Hose	166.86	11.95
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	241.95	23.89
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	80.08	11.22
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	86.48	11.22
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	34.99	8.96
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	694.32	46.28
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	102.02	11.22
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	184.57	19.47
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	566.76	62.47

21 23 16 00-0039 Mechanical Actuation Components *(21 23 16 00-0001)*

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	64.61	17.92
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	91.31	17.92
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	245.82	11.95
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	188.20	11.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	28.45	3.22
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	393.20	19.71
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	47.68	5.25
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	99.44	5.97
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	2.91	1.20
21 23 16 00-0049	EA	Cable Clamp	14.00	0.59
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.88	0.47
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.81	0.47
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	101.74	11.11
21 23 16 00-0053		**Mechanical Detection Links** *(21 23 16 00-0001)*		
21 23 16 00-0054	EA	KGS Standard Response Link	21.77	5.97
21 23 16 00-0055	EA	KGS Rapid Response Link	31.59	5.97
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	27.19	5.97
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	26.89	5.97
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	39.69	5.97
21 23 16 00-0059		**Gas Valves** *(21 23 16 00-0001)*		
21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	459.61	25.80
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve	500.39	31.77
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	574.75	40.13
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	630.75	46.22
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve	681.41	54.59
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	1,129.66	79.79
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve	1,261.51	92.32
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	522.08	29.14
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	64.87	
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve	479.71	24.01
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve	483.31	25.80
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve	745.89	31.77
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve	789.77	40.13
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve	906.72	46.22
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve	1,165.63	54.59
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve	1,927.11	79.79
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve	2,421.29	92.32
21 23 16 00-0077	EA	Manual Reset Relay	654.92	120.03
21 23 16 00-0078		**Liquid Tight Sealing Adapters** *(21 23 16 00-0001)*		
21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	52.35	5.01
21 23 16 00-0080	EA	1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	51.54	5.50
21 23 16 00-0081	EA	5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	60.52	6.57
21 23 16 00-0082	EA	3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	69.86	7.05
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	60.52	6.57
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	51.54	5.50
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	51.54	5.50
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	84.62	9.32
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	112.67	12.30
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	51.54	
21 23 16 00-0089		**Pressure Operated Releasing Systems** *(21 23 16 00-0001)*		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	375.16	36.08
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	335.98	36.79
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	265.24	9.08
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	964.83	104.03
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	205.36	22.22
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	311.83	22.22
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	309.16	15.76
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	94.67	10.04
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	12.50	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	773.34	83.61
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	1,172.22	84.80
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	1,688.48	122.19
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	2,213.52	167.10
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	238.79	19.95
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	1,572.52	130.43
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	960.13	79.55
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	31.00	2.63
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	31.00	2.63
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	31.78	2.63
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	31.00	2.63
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	31.00	2.63
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	33.84	2.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	53.70	4.42
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	69.68	5.85
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	72.49	30.22
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	664.24	67.25
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	571.80	25.80
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	649.96	31.77
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	698.28	40.13
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	767.01	46.10
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	881.52	54.47
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	2,079.61	79.67
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	2,215.10	92.21
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	445.64	25.80
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	766.65	31.77
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	796.02	40.13
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	905.74	46.10
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	1,259.93	54.47
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	2,451.68	79.67
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	2,580.91	92.21
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	111.36	8.84
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	158.91	11.22
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	631.77	11.22
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	41.02	3.46
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,343.82	112.15
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,712.14	143.45
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	878.41	73.46
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	1,059.95	88.51
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	969.17	80.98
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	1,011.40	84.68
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	1,317.60	110.12
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,511.35	126.61
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	122.75	10.27
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	31.18	1.67
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	31.94	2.15
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	98.44	8.24
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	1.20	
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	107.08	8.96
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	214.47	17.80
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	453.89	37.75
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	2.13	0.36
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	1.17	0.36
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	5.34	0.47
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.85	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	101.67	8.60
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	106.16	8.96
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	12.45	1.08
21 23 16 00-0169	EA	225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	146.32	11.71
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	20.46	1.67
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	28.46	2.39
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	12.45	1.08
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	17.52	1.43
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	17.13	1.43
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	4.90	0.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	8.30	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	158.56	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	1,087.42	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	1,408.17	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	1,624.56	
21 23 16 00-0181		**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	49.84	4.06
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	51.61	4.30
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	99.40	8.24
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	140.65	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	302.34	
21 23 16 00-0187		**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	200.73	16.84
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	211.33	23.64
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	53.70	4.42
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	6.67	1.55
21 23 16 00-0192		**Asco Gas Valve Control Panels** *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	2,636.44	262.77
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,724.08	262.77
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	886.02	59.72
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	828.77	59.72

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems *(21 24 16)*

Note: Amerex or equal.

21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	654.26	92.69
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	910.89	116.87
21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon)	216.33	
21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon)	380.30	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	151.44	19.46
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder	88.22	11.29
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	38.25	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	151.44	19.46
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	380.30	48.78
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	202.68	25.95
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	246.70	25.95
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	603.47	77.44
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	45.54	5.84
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder	202.68	25.95
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check	36.44	4.67
21 24 16 00-0017	EA	Detector	27.33	3.50
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	10.25	1.30
21 24 16 00-0019	EA	Test Link	3.39	
21 24 16 00-0020	EA	Corner Pulley	14.12	1.81
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	227.71	29.19
21 24 16 00-0022	EA	Pulley Tee	102.47	13.10
21 24 16 00-0023	EA	Manual Pull Station (Standard)	91.08	11.67
21 24 16 00-0024	EA	Manual Pull Station, Adapter Kit (Recess Standard Pull Station)	42.73	5.44
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	101.56	12.97
21 24 16 00-0026	EA	Conduit Offset	20.27	2.60
21 24 16 00-0027	EA	3/8" Pipe Thread, Seal (Quick-Seal)	27.92	3.63
21 24 16 00-0028	EA	1/2" Pipe Thread, Seal (Quick-Seal	22.77	2.99
21 24 16 00-0029	EA	3/8" Pipe Compression Seal	38.02	4.93
21 24 16 00-0030	EA	1/2" Pipe Compression Seal	38.02	4.93
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard)	10.95	3.37
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature)	25.34	3.37
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle	45.54	5.84
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	45.54	5.84
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	45.54	5.84
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	45.54	5.84
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	45.54	5.84
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	65.50	8.43
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve	361.66	34.38
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve	426.66	49.94
21 24 16 00-0041	EA	2" Mechanical Gas Valve	531.17	59.02
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	573.84	73.55
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	30.20	3.89
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	48.73	6.23
21 24 16 00-0045	EA	Gas Valve Trip Assembly	102.47	13.10

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0046		**Range Guard Fire Suppression Systems** *(21 24 16)* Note: Range Guard or equal.		
21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	694.75	100.21
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	867.24	125.06
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	1,070.66	154.44
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	1,271.71	183.34
21 24 16 00-0051	EA	Vent Plug	29.18	4.18
21 24 16 00-0052	EA	Discharge Adapter Kit	37.59	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	77.33	11.11
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	81.84	11.83
21 24 16 00-0055	EA	4 Gallon Wall Bracket	154.57	22.34
21 24 16 00-0056	EA	6 Gallon Wall Bracket	171.30	24.72
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	604.34	87.19
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	630.50	90.89
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	723.29	104.27
21 24 16 00-0060	EA	Tandem Control Head	549.62	79.31
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	930.28	134.14
21 24 16 00-0062	EA	Mechanical Control Box	413.99	59.72
21 24 16 00-0063	EA	Tandem Control Box	413.99	59.72
21 24 16 00-0064	EA	Mechanical Control Box Adapter	121.34	17.55
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	364.66	52.55
21 24 16 00-0066	EA	Pressure Operated Actuator	149.89	21.62
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	242.69	35.00
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	247.44	35.71
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	60.66	8.72
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	700.25	100.93
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	149.90	21.62
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	149.90	21.62
21 24 16 00-0073	EA	Check Valve	126.59	25.68
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	67.81	9.79
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	29.50	4.26
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	7.76	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	154.65	22.34
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	70.89	10.27
21 24 16 00-0079	EA	Nozzles; DM And LPF	78.99	11.34
21 24 16 00-0080	EA	Swivel Adapter	49.96	7.17
21 24 16 00-0081	EA	Corner Pulley	21.41	3.11
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.96	0.36
21 24 16 00-0083	EA	Cable Crimp Sleeve	1.17	0.36
21 24 16 00-0084	EA	"S" Hook	0.91	0.24
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	73.73	10.63
21 24 16 00-0086	EA	Cable Clamp	6.58	0.96
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.91	0.24
21 24 16 00-0088	EA	3/8" Cable Anchor	77.92	11.22
21 24 16 00-0089	EA	1/2" Cable Anchor	77.92	11.22
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	126.03	18.16
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	134.50	19.35
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	157.58	22.70
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	49.37	7.17
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	206.88	29.74
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	157.58	22.70
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	187.85	27.12
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	33.76	4.90
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	37.49	5.38
21 24 16 00-0099	EA	Fusible Link 165F To 360F	12.28	1.79
21 24 16 00-0100	EA	Fusible Link 500F	19.31	1.79
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	37.49	5.38
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	27.75	5.38
21 24 16 00-0103	EA	Quartzoid Link 400 F	202.12	29.14
21 24 16 00-0104	EA	Quartzoid Link 500 F	202.12	29.14
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	72.44	10.39
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	126.03	18.16
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	74.90	10.75
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	129.82	18.75
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	95.11	13.74
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	137.21	19.71
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	401.88	57.93
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	180.73	26.04
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	180.73	26.04
21 24 16 00-0114	EA	Electric Manual Pull Station	131.98	18.99
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	73.72	10.63
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	104.64	15.05
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	8.48	1.20
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	37.49	5.38
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	37.49	5.38
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	137.92	19.83
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	152.19	21.97
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	4.12	1.55
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	19.02	2.75
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	204.50	29.50
21 24 16 00-0125	EA	Suppression Abort Station	216.40	31.17
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	252.06	36.31
21 24 16 00-0127	EA	Surface Mount Back Box	83.23	11.95
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,545.66	222.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,545.66	222.51
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	128.41	18.51
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	4.96	0.84
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	1,117.56	
21 24 16 00-0133	EA	Extra Scorpio Key	19.02	
21 24 16 00-0134	EA	Extra Scorpio Manual	11.89	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	32.34	4.66
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	35.11	5.01
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	42.24	6.09
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	45.17	6.45
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	35.11	5.01
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	35.11	5.01
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	60.07	8.72
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	79.66	11.46
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	35.11	5.01
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	78.15	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	134.34	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	203.06	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	297.14	
21 24 16 00-0148	EA	Inlet Flushing Adapter	58.26	8.36
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	58.26	8.36
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	58.26	8.36
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	58.26	8.36
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	58.26	8.36
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	80.85	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	6.48	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	7.75	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	5.47	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	3.94	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	1,022.45	147.27
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,193.68	171.87
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,486.17	214.04
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,486.17	214.04
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,869.00	269.10
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	885.75	127.56
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	832.23	119.80
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	672.93	96.86
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,165.13	167.82
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	1,067.63	153.72

21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

21 31 13 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 13 00-0001 Electric-Drive Fire Pumps *(21 31 13)*

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 13 00-0002	EA	20 HP, 500 GPM, Electric-Drive Fire Pump	24,459.91	1,994.19
		For Duplex Pumping System, Add	*22,465.73*	
21 31 13 00-0003	EA	30 HP, 500 GPM, Electric-Drive Fire Pump	28,250.25	2,243.45
		For Duplex Pumping System, Add	*26,172.98*	
21 31 13 00-0004	EA	40 HP, 750 GPM, Electric-Drive Fire Pump	37,919.16	2,492.73
		For Duplex Pumping System, Add	*35,611.08*	
21 31 13 00-0005	EA	50 HP, 1,000 GPM, Electric-Drive Fire Pump	46,505.45	2,683.23
		For Duplex Pumping System, Add	*43,822.23*	
21 31 13 00-0006	EA	75 HP, 1,000 GPM, Electric-Drive Fire Pump	51,841.84	2,927.16
		For Duplex Pumping System, Add	*48,914.68*	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 16 00-0001 Diesel-Drive Fire Pumps *(21 31 16)*

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	81,683.80	2,195.37
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	92,418.69	2,439.30
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	97,061.30	2,683.23
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	110,500.42	2,927.16
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	117,174.78	3,415.02
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	125,860.80	4,390.74
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	136,575.86	4,878.60
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	156,177.32	5,561.61
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	187,309.62	6,000.68
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	219,843.80	6,830.06
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	261,227.62	7,317.92
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	294,322.44	7,805.78

21 34 Fire Pump Accessories *(21 30)*

21 34 13 Pressure Maintenance Pumps *(21 34)*

21 34 13 00-0001 Jockey Pumps *(21 34 13)*

Note: Excludes controller

21 34 13 00-0002	EA	1-1/2 HP, 1-1/2" Pipe Connection, Jockey Pump	2,559.78	253.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 34 13 00-0003	EA	2 HP, 1-1/2" Pipe Connection, Jockey Pump	2,668.65	277.66
21 34 13 00-0004	EA	3 HP, 1-1/2" Pipe Connection, Jockey Pump	3,291.72	306.88
21 34 13 00-0005	EA	5 HP, 1-1/2" Pipe Connection, Jockey Pump	3,608.36	365.34
21 34 13 00-0006	EA	7.5 HP, 1-1/2" Pipe Connection, Jockey Pump	5,330.92	449.37
21 34 13 00-0007		Jockey Pump Controllers *(21 34 13)*		
21 34 13 00-0008	EA	Up To 2 HP Jockey Pump Controller	677.68	73.07
21 34 13 00-0009	EA	>2 To 7.5 HP Jockey Pump Controller	1,051.68	73.07

END OF SECTION 21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	47.53
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	49.50
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	54.43
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	58.07
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	62.91
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	80.24
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	102.14
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	118.68
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	136.05
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	75.03
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	79.12
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	87.58
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	96.25
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	106.12
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	137.08
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	166.49
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	189.71
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	215.17
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	106.61
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	110.96
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	122.61
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	134.48
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	151.85
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	185.74
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	218.37
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	263.14
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	324.07
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	332.44
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	356.29

22 01 10 61-0031 Replace Drain Covers *(22 01 10 61)*

22 01 10 61-0032	EA	4-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	59.02
22 01 10 61-0033	EA	4-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	59.04
22 01 10 61-0034	EA	5" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	42.46
22 01 10 61-0035	EA	5-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.19
22 01 10 61-0036	EA	5-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.06
22 01 10 61-0037	EA	6" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	50.80
22 01 10 61-0038	EA	6-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	58.50
22 01 10 61-0039	EA	6-3/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	81.23
22 01 10 61-0040	EA	6-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	64.59
22 01 10 61-0041	EA	6-5/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	65.55
22 01 10 61-0042	EA	6-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.63
22 01 10 61-0043	EA	6-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	88.61
22 01 10 61-0044	EA	7" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	72.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 10 61-0045	EA	7-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	76.13	
22 01 10 61-0046	EA	7-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	81.15	
22 01 10 61-0047	EA	7-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	84.30	
22 01 10 61-0048	EA	7-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	107.09	
22 01 10 61-0049	EA	8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	91.13	
22 01 10 61-0050	EA	8-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	95.61	
22 01 10 61-0051	EA	8-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	99.03	
22 01 10 61-0052	EA	8-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	109.87	
22 01 10 61-0053	EA	9" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	129.35	
22 01 10 61-0054	EA	9-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	141.86	
22 01 10 61-0055	EA	9-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	149.72	
22 01 10 61-0056	EA	9-5/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	175.95	
22 01 10 61-0057	EA	9-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	159.40	
22 01 10 61-0058	EA	10" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	160.81	
22 01 10 61-0059	EA	10-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	182.54	
22 01 10 61-0060	EA	10-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	182.80	
22 01 10 61-0061	EA	10-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.23	
22 01 10 61-0062	EA	10-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	184.90	
22 01 10 61-0063	EA	10-7/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	184.70	
22 01 10 61-0064	EA	11" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.69	
22 01 10 61-0065	EA	11-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.62	
22 01 10 61-0066	EA	11-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.03	
22 01 10 61-0067	EA	12" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	166.80	
22 01 10 61-0068	EA	4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	48.47	
22 01 10 61-0069	EA	4-1/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	52.48	
22 01 10 61-0070	EA	4-3/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	61.89	
22 01 10 61-0071	EA	5-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	81.41	
22 01 10 61-0072	EA	7-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	121.99	
22 01 10 61-0073	EA	9-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	182.94	

22 01 10 61-0074 Repair And Tape Pipe Insulation Seam *(22 01 10 61)*

22 01 10 61-0075	LF	Repair and Taping Of Damaged Pipe Insulation Seam	1.36	

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube	66.28	
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	24.30	
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	31.95	
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	44.92	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	69.57	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	43.38	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	46.19	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	54.66	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	42.91	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim Note: Excludes balancing valve.	125.83	
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	34.33	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	18.47	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	19.40	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	18.47	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	10.18	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8"	29.83	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2"	49.48	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	35.26	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	35.85	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	40.45	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	30.30	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover	22.33	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	41.88	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax Note: Excludes removal of toilet.	8.04	
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	163.39	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl	208.93	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	223.34	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	237.25	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl	213.78	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	26.54	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	19.02	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	20.73	
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	104.63	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	115.70	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	153.85	
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout	67.70	
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout	47.67	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper	11.87	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	80.63	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	42.35	
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	46.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem	29.21	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	38.54	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout	43.29	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem	32.06	
22 01 40 81-0047	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	238.80	
22 01 40 81-0048	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	300.16	
22 01 40 81-0049	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	182.38	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves *(22 05 23)*

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	101.41	12.97
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*11.33*	
22 05 23 00-0004	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	103.40	12.97
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*11.93*	
22 05 23 00-0005	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	105.86	12.97
		For 150 Lb. Rating, Add	*6.40*	
		For 200 Lb. Rating, Add	*9.60*	
		For Work In Restricted Working Space, Add	*12.56*	
22 05 23 00-0006	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	125.19	14.27
		For 150 Lb. Rating, Add	*6.88*	
		For 200 Lb. Rating, Add	*10.32*	
		For Work In Restricted Working Space, Add	*16.92*	
22 05 23 00-0007	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	152.55	16.22
		For 150 Lb. Rating, Add	*8.43*	
		For 200 Lb. Rating, Add	*12.64*	
		For Work In Restricted Working Space, Add	*20.48*	
22 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	224.07	17.26
		For 150 Lb. Rating, Add	*13.76*	
		For 200 Lb. Rating, Add	*20.64*	
		For Work In Restricted Working Space, Add	*25.94*	
22 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	249.32	19.97
		For 150 Lb. Rating, Add	*14.95*	
		For 200 Lb. Rating, Add	*22.43*	
		For Work In Restricted Working Space, Add	*29.93*	
22 05 23 00-0010	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	299.10	23.60
		For 150 Lb. Rating, Add	*18.12*	
		For 200 Lb. Rating, Add	*27.18*	
		For Work In Restricted Working Space, Add	*35.38*	
22 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	684.76	31.89
		For 150 Lb. Rating, Add	*52.55*	
		For 200 Lb. Rating, Add	*78.83*	
		For Work In Restricted Working Space, Add	*47.78*	
		For Chain Operated Type, Add	*236.48*	
22 05 23 00-0012	EA	3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	803.87	37.02
		For 150 Lb. Rating, Add	*62.01*	
		For 200 Lb. Rating, Add	*93.02*	
		For Work In Restricted Working Space, Add	*55.13*	

22 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)

22 05 23 00-0014	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	122.61	12.97
		For 150 Lb. Rating, Add	*8.48*	
		For 200 Lb. Rating, Add	*12.73*	
		For Work In Restricted Working Space, Add	*11.33*	
22 05 23 00-0015	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	124.42	12.97
		For 150 Lb. Rating, Add	*8.47*	
		For 200 Lb. Rating, Add	*12.70*	
		For Work In Restricted Working Space, Add	*11.93*	
22 05 23 00-0016	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	145.04	12.97
		For 150 Lb. Rating, Add	*10.32*	
		For 200 Lb. Rating, Add	*15.48*	
		For Work In Restricted Working Space, Add	*12.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0017	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	164.38	14.27
		For 150 Lb. Rating, Add	*10.80*	
		For 200 Lb. Rating, Add	*16.20*	
		For Work In Restricted Working Space, Add	*16.92*	
22 05 23 00-0018	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	197.26	16.22
		For 150 Lb. Rating, Add	*12.90*	
		For 200 Lb. Rating, Add	*19.35*	
		For Work In Restricted Working Space, Add	*20.48*	
22 05 23 00-0019	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	285.22	17.26
		For 150 Lb. Rating, Add	*19.87*	
		For 200 Lb. Rating, Add	*29.81*	
		For Work In Restricted Working Space, Add	*25.94*	
22 05 23 00-0020	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	326.24	19.97
		For 150 Lb. Rating, Add	*22.65*	
		For 200 Lb. Rating, Add	*33.97*	
		For Work In Restricted Working Space, Add	*29.93*	
22 05 23 00-0021	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	417.95	23.60
		For 150 Lb. Rating, Add	*30.00*	
		For 200 Lb. Rating, Add	*45.00*	
		For Work In Restricted Working Space, Add	*35.38*	

22 05 23 00-0022 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves *(22 05 23 00-0001)*

Note: 200 psi cold working pressure.

22 05 23 00-0023	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	140.14	12.97
		For Work In Restricted Working Space, Add	*8.76*	
22 05 23 00-0024	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	157.82	14.27
		For Work In Restricted Working Space, Add	*9.97*	
22 05 23 00-0025	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	207.49	16.22
		For Work In Restricted Working Space, Add	*11.92*	
22 05 23 00-0026	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	283.14	17.26
		For Work In Restricted Working Space, Add	*13.13*	
22 05 23 00-0027	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	328.28	19.97
		For Work In Restricted Working Space, Add	*14.60*	
22 05 23 00-0028	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	452.04	23.60
		For Work In Restricted Working Space, Add	*17.51*	

22 05 23 00-0029 Ball Valves *(22 05 23)*

22 05 23 00-0030 Crimped Bronze, Ball Valves *(22 05 23 00-0029)*

22 05 23 00-0031 Crimped Bronze, 250 PSI, Ball Valves *(22 05 23 00-0030)*

Note: Nibco®

22 05 23 00-0032	EA	1/2" Crimped Bronze, 250 PSI, Ball Valve	96.20	12.97
		For Work In Restricted Working Space, Add	*8.76*	
22 05 23 00-0033	EA	3/4" Crimped Bronze, 250 PSI, Ball Valve	124.56	14.27
		For Work In Restricted Working Space, Add	*9.97*	
22 05 23 00-0034	EA	1" Crimped Bronze, 250 PSI, Ball Valve	159.92	16.22
		For Work In Restricted Working Space, Add	*11.92*	
22 05 23 00-0035	EA	1-1/4" Crimped Bronze, 250 PSI, Ball Valve	258.77	17.26
		For Work In Restricted Working Space, Add	*13.13*	
22 05 23 00-0036	EA	1-1/2" Crimped Bronze, 250 PSI, Ball Valve	342.20	19.97
		For Work In Restricted Working Space, Add	*14.60*	
22 05 23 00-0037	EA	2" Crimped Bronze, 250 PSI, Ball Valve	516.04	23.60
		For Work In Restricted Working Space, Add	*17.51*	

22 05 23 00-0038 Crimped Bronze, 200 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

22 05 23 00-0039	EA	1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	58.42	12.97
		For Work In Restricted Working Space, Add	*8.76*	
22 05 23 00-0040	EA	3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	74.32	14.27
		For Work In Restricted Working Space, Add	*9.97*	
22 05 23 00-0041	EA	1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	90.28	16.22
		For Work In Restricted Working Space, Add	*11.92*	
22 05 23 00-0042	EA	1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	125.95	17.26
		For Work In Restricted Working Space, Add	*13.13*	
22 05 23 00-0043	EA	1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	162.41	19.97
		For Work In Restricted Working Space, Add	*14.60*	
22 05 23 00-0044	EA	2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	240.08	23.60
		For Work In Restricted Working Space, Add	*17.51*	

22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

22 05 23 00-0046	EA	1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	67.11	12.97
		For Work In Restricted Working Space, Add	*8.76*	
22 05 23 00-0047	EA	3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	80.64	14.27
		For Work In Restricted Working Space, Add	*9.97*	
22 05 23 00-0048	EA	1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	100.39	16.22
		For Work In Restricted Working Space, Add	*11.92*	
22 05 23 00-0049	EA	1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	157.54	17.26
		For Work In Restricted Working Space, Add	*13.13*	
22 05 23 00-0050	EA	1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	230.35	19.97
		For Work In Restricted Working Space, Add	*14.60*	
22 05 23 00-0051	EA	2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	319.08	23.60
		For Work In Restricted Working Space, Add	*17.51*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0052		Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*		
22 05 23 00-0053	EA	1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	64.74	12.97
		For Work In Restricted Working Space, Add	*8.76*	
22 05 23 00-0054	EA	3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	78.43	14.27
		For Work In Restricted Working Space, Add	*9.97*	
22 05 23 00-0055	EA	1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	95.33	16.22
		For Work In Restricted Working Space, Add	*11.92*	
22 05 23 00-0056		Check Valves *(22 05 23)*		
22 05 23 00-0057		Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves *(22 05 23 00-0056)*		
		Note: Nibco®		
22 05 23 00-0058	EA	1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	184.05	12.97
		For Work In Restricted Working Space, Add	*8.76*	
22 05 23 00-0059	EA	3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	234.34	14.27
		For Work In Restricted Working Space, Add	*9.97*	
22 05 23 00-0060	EA	1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	324.02	16.22
		For Work In Restricted Working Space, Add	*11.92*	
22 05 23 00-0061	EA	1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	432.09	17.26
		For Work In Restricted Working Space, Add	*13.13*	
22 05 23 00-0062	EA	1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	515.55	19.97
		For Work In Restricted Working Space, Add	*14.60*	
22 05 23 00-0063	EA	2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	737.94	23.60
		For Work In Restricted Working Space, Add	*17.51*	
22 05 23 00-0064		Crimped Bronze, 250 PSI, In-Line, Check Valves *(22 05 23 00-0056)*		
22 05 23 00-0065	EA	1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	51.75	12.97
		For Work In Restricted Working Space, Add	*8.76*	
22 05 23 00-0066	EA	3/4" Crimped Bronze, 200 PSI, In-Line Check Valve	62.11	14.27
		For Work In Restricted Working Space, Add	*9.97*	
22 05 23 00-0067	EA	1" Crimped Bronze, 200 PSI, In-Line Check Valve	72.99	16.22
		For Work In Restricted Working Space, Add	*11.92*	
22 05 23 00-0068	EA	1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve	91.89	17.26
		For Work In Restricted Working Space, Add	*13.13*	
22 05 23 00-0069	EA	1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	116.95	19.97
		For Work In Restricted Working Space, Add	*14.60*	
22 05 23 00-0070	EA	2" Crimped Bronze, 200 PSI, In-Line Check Valve	182.68	23.60
		For Work In Restricted Working Space, Add	*17.51*	
22 05 23 00-0071		Butterfly Valves *(22 05 23)*		
22 05 23 00-0072		Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve *(22 05 23 00-0071)*		
22 05 23 00-0073	EA	2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,376.66	34.63
		For Work In Restricted Working Space, Add	*20.43*	
22 05 23 00-0074	EA	3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,490.30	40.22
		For Work In Restricted Working Space, Add	*24.32*	
22 05 23 00-0075	EA	4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,862.93	45.40
		For Work In Restricted Working Space, Add	*32.10*	
22 05 23 00-0076		Oxygen (Medical) Service Ball Valve *(22 05 23)*		
22 05 23 00-0077	EA	1/2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HE6)	377.39	23.60
22 05 23 00-0078	EA	3/4" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HE8)	389.28	25.95
22 05 23 00-0079	EA	1" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HCA)	524.57	27.37
22 05 23 00-0080	EA	1-1/4" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HEB)	638.66	34.63
22 05 23 00-0081	EA	1-1/2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HEC)	555.99	39.95
22 05 23 00-0082	EA	2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ9210D)	847.31	47.22

22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover	774.97	69.01
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover	836.39	86.52
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover	1,044.66	104.55
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover	1,502.18	117.00
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover	1,850.55	126.73
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	

22 05 76 00-0008 Cast Iron Heavy-Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*

22 05 76 00-0009	EA	2" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	894.05	69.01
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
22 05 76 00-0010	EA	3" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	957.36	86.52
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
22 05 76 00-0011	EA	4" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,165.63	104.55
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
22 05 76 00-0012	EA	5" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,623.15	117.00
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
22 05 76 00-0013	EA	6" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,971.52	126.73
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	

22 05 76 00-0014 Wall Cover For Cleanout *(22 05 76)*

Note: Cover and screw only.

22 05 76 00-0015 Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	92.10	21.66
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	100.75	25.95
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	126.53	29.19
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	205.01	32.43
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	301.51	35.67
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0021		Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	592.10	21.66
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	853.44	22.70
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	911.93	24.00
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	1,020.06	27.24
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0026		Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	602.59	21.66
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	868.89	22.70
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	928.45	24.00
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	1,038.53	27.24
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0031		Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	584.47	21.66
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	809.33	22.70
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	1,148.57	24.00
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	1,390.71	27.24
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0036		Cast Iron Cleanout Tee *(22 05 76)*		
22 05 76 00-0037		Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0038	EA	2" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover	560.87	69.01
		For Vandal Proof Screws, Add	*19.50*	
		For Scoriated Hinged Cover, Add	*63.43*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0039	EA	3" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover	639.83	86.39
		For Vandal Proof Screws, Add	*19.50*	
		For Scoriated Hinged Cover, Add	*70.04*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0040	EA	4" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover	836.52	104.55
		For Vandal Proof Screws, Add	*19.50*	
		For Scoriated Hinged Cover, Add	*94.09*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0041	EA	6" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover	2,014.98	126.73
		For Vandal Proof Screws, Add	*19.50*	
		For Scoriated Hinged Cover, Add	*264.24*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0042		Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0043	EA	2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	983.74	69.01
		For Vandal Proof Screws, Add	*19.50*	
		For Scoriated Hinged Cover, Add	*126.86*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0044	EA	3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,062.70	86.39
		For Vandal Proof Screws, Add	*19.50*	
		For Scoriated Hinged Cover, Add	*133.47*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0045	EA	4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,231.33	104.55
		For Vandal Proof Screws, Add	*19.50*	
		For Scoriated Hinged Cover, Add	*153.32*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0046	EA	6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	2,586.16	126.73
		For Vandal Proof Screws, Add	*19.50*	
		For Scoriated Hinged Cover, Add	*349.92*	
		For Galvanized Cast Iron Parts, Add	*88.80*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0047		Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*		
22 05 76 00-0048	EA	2" Cleanout Tee With Cast Bronze Screw Plug	459.87	56.42
22 05 76 00-0049	EA	3" Cleanout Tee With Cast Bronze Screw Plug	514.37	61.62
22 05 76 00-0050	EA	4" Cleanout Tee With Cast Bronze Screw Plug	685.68	81.08
22 05 76 00-0051	EA	5" Cleanout Tee With Cast Bronze Screw Plug	1,034.44	96.00
22 05 76 00-0052	EA	6" Cleanout Tee With Cast Bronze Screw Plug	1,771.52	113.50
22 05 76 00-0053		Removable Cleanout Plug *(22 05 76)*		
22 05 76 00-0054		Threaded Bronze Plugs *(22 05 76 00-0053)*		
22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	86.47	16.22
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Threaded Bronze Plug	103.78	17.64
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Threaded Bronze Plug	178.69	19.46
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Threaded Bronze Plug	199.90	22.70
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Threaded Bronze Plug	226.00	25.95
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Threaded Bronze Plug	318.28	29.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Threaded Bronze Plug	469.38	32.43
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Threaded Bronze Plug	794.38	35.67
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Threaded Bronze Plug	1,144.00	38.92
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0064		Threaded Brass Plugs *(22 05 76 00-0053)*		
22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	35.89	16.21
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	36.50	16.21
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	39.78	17.64
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	44.99	19.46
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	53.10	22.70
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	62.32	25.94
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	66.91	27.32
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	71.88	29.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	92.99	32.43
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	35.42	16.21
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	36.09	16.21
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	41.09	17.64
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	45.18	19.46
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	52.54	22.70
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	61.43	25.95
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	71.40	29.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	85.14	32.43
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001		Lavatory Insulation *(22 07 16)*		
22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	382.58	28.39

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0002		**1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.60	2.78
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.83	2.78
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.45	2.90
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.84	3.03
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.17	3.03
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.82	3.15
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.44	3.28
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.15	3.41
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.02	3.66
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.75	4.29
22 07 19 00-0013		**1" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.86	3.78
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.22	3.78
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.43	3.78
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.96	3.91
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.35	3.91
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.98	4.04
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.81	4.29
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.66	4.42
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.96	4.67
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.98	5.42
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.34	6.06
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.15	7.20
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.87	8.20
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.94	8.96
22 07 19 00-0028		**1-1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.85	3.89
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.08	3.89
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.99	4.13
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.62	4.22
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.16	4.29
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.39	4.52
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.28	4.59
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.94	4.76
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.16	5.15
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.79	6.01
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.27	6.33
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	37.06	7.59
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.93	8.84
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	47.04	9.68
22 07 19 00-0043		**2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.78	4.29
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.05	4.29
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.77	4.42
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.42	4.42
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.10	4.54
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.93	4.67
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.13	4.79
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.44	5.05
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.90	5.30
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.97	6.22
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	37.62	6.57
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.03	7.86
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.61	9.43
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	65.28	10.28
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	69.27	12.05
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	77.26	12.66
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	87.50	14.46
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	101.37	17.48
22 07 19 00-0062		**2-1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.70	5.05
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.08	5.05
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.13	5.05
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.91	5.17
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.74	5.17
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.88	5.42
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.56	5.55
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.07	5.81
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.61	6.06
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	40.85	6.43
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	55.24	7.70
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	66.12	8.84
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	74.72	10.98
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	84.70	12.12
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	99.12	15.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	106.78	16.15
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	121.13	18.43
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	142.19	22.26
22 07 19 00-0081		3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*		
22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.24	5.58
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.65	5.58
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.72	5.63
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.57	5.67
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.52	5.73
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.72	5.95
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.55	6.15
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.23	6.37
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.13	6.72
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	44.88	7.64
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	60.66	8.50
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	72.63	9.81
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	82.09	12.20
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	93.04	13.32
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	108.88	17.02
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	117.29	17.88
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	133.08	20.44
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	156.21	24.67
22 07 19 00-0100		3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*		
22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.31	6.06
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.79	6.06
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.38	6.06
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.29	6.18
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.36	6.18
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	34.60	6.43
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.63	6.69
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.33	6.94
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	42.76	7.32
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	49.00	8.33
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	66.25	9.21
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	79.34	10.60
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	89.66	13.24
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	101.65	14.51
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	118.97	18.43
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	128.13	19.43
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	145.40	22.21
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	170.65	26.75
22 07 19 00-0119		4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*		
22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.29	6.81
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.82	6.81
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.23	6.81
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.40	6.94
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	37.93	7.20
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.33	7.45
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.20	7.45
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.30	7.82
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	48.07	8.20
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	55.12	9.34
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	74.54	10.09
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	89.27	11.99
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	100.89	14.88
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	114.39	16.27
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	133.89	20.82
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	144.08	21.83
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	161.36	24.99
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	192.00	30.16
22 07 19 00-0138		Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell *(22 07 19)*		
		Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0139		1" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*		
22 07 19 00-0140	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	22.18	6.16
		For Work In Restricted Working Space, Add	*5.60*	
22 07 19 00-0141	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	23.07	6.16
		For Work In Restricted Working Space, Add	*5.60*	
22 07 19 00-0142	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	24.24	6.25
		For Work In Restricted Working Space, Add	*5.67*	
22 07 19 00-0143	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	24.82	6.33
		For Work In Restricted Working Space, Add	*5.76*	
22 07 19 00-0144	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	25.69	6.42
		For Work In Restricted Working Space, Add	*5.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0145	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	27.38	6.60
		For Work In Restricted Working Space, Add	*6.01*	
22 07 19 00-0146	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	29.48	6.87
		For Work In Restricted Working Space, Add	*6.25*	
22 07 19 00-0147	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	31.77	7.05
		For Work In Restricted Working Space, Add	*6.41*	
22 07 19 00-0148	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	36.69	7.59
		For Work In Restricted Working Space, Add	*6.89*	
22 07 19 00-0149	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	46.66	8.55
		For Work In Restricted Working Space, Add	*7.78*	

22 07 19 00-0150 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0151	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.24	6.82
		For Work In Restricted Working Space, Add	*6.01*	
22 07 19 00-0152	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.81	6.82
		For Work In Restricted Working Space, Add	*6.01*	
22 07 19 00-0153	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.64	6.91
		For Work In Restricted Working Space, Add	*6.08*	
22 07 19 00-0154	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.31	7.00
		For Work In Restricted Working Space, Add	*6.16*	
22 07 19 00-0155	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.94	7.10
		For Work In Restricted Working Space, Add	*6.25*	
22 07 19 00-0156	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.37	7.33
		For Work In Restricted Working Space, Add	*6.45*	
22 07 19 00-0157	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	35.50	7.61
		For Work In Restricted Working Space, Add	*6.70*	
22 07 19 00-0158	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	39.17	7.84
		For Work In Restricted Working Space, Add	*6.89*	
22 07 19 00-0159	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	44.35	8.34
		For Work In Restricted Working Space, Add	*7.34*	
22 07 19 00-0160	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	52.21	9.45
		For Work In Restricted Working Space, Add	*8.31*	
22 07 19 00-0161	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	58.40	10.54
		For Work In Restricted Working Space, Add	*9.27*	
22 07 19 00-0162	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	70.83	12.15
		For Work In Restricted Working Space, Add	*10.69*	
22 07 19 00-0163	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	84.06	15.10
		For Work In Restricted Working Space, Add	*13.28*	
22 07 19 00-0164	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	93.39	15.89
		For Work In Restricted Working Space, Add	*14.44*	
22 07 19 00-0165	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	102.82	17.74
		For Work In Restricted Working Space, Add	*16.13*	
22 07 19 00-0166	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	116.55	20.98
		For Work In Restricted Working Space, Add	*19.08*	
22 07 19 00-0167	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	130.20	23.23
		For Work In Restricted Working Space, Add	*21.12*	
22 07 19 00-0168	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	162.50	25.74
		For Work In Restricted Working Space, Add	*23.40*	

22 07 19 00-0169 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0170	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	29.49	7.05
		For Work In Restricted Working Space, Add	*6.41*	
22 07 19 00-0171	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	30.37	7.05
		For Work In Restricted Working Space, Add	*6.41*	
22 07 19 00-0172	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	31.50	7.12
		For Work In Restricted Working Space, Add	*6.49*	
22 07 19 00-0173	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	33.14	7.23
		For Work In Restricted Working Space, Add	*6.57*	
22 07 19 00-0174	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	34.82	7.32
		For Work In Restricted Working Space, Add	*6.65*	
22 07 19 00-0175	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	38.91	7.59
		For Work In Restricted Working Space, Add	*6.89*	
22 07 19 00-0176	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	40.82	7.86
		For Work In Restricted Working Space, Add	*7.14*	
22 07 19 00-0177	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	43.79	8.11
		For Work In Restricted Working Space, Add	*7.38*	
22 07 19 00-0178	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	49.30	8.56
		For Work In Restricted Working Space, Add	*7.79*	
22 07 19 00-0179	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	58.96	9.73
		For Work In Restricted Working Space, Add	*8.84*	
22 07 19 00-0180	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	65.64	10.85
		For Work In Restricted Working Space, Add	*9.86*	
22 07 19 00-0181	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	79.88	12.51
		For Work In Restricted Working Space, Add	*11.37*	
22 07 19 00-0182	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	98.95	15.55
		For Work In Restricted Working Space, Add	*14.13*	
22 07 19 00-0183	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	105.71	16.97
		For Work In Restricted Working Space, Add	*15.42*	
22 07 19 00-0184	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	124.97	21.69
		For Work In Restricted Working Space, Add	*19.72*	
22 07 19 00-0185	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	136.26	22.77
		For Work In Restricted Working Space, Add	*20.70*	
22 07 19 00-0186	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	150.74	26.03
		For Work In Restricted Working Space, Add	*23.66*	
22 07 19 00-0187	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	189.07	31.44
		For Work In Restricted Working Space, Add	*28.59*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0188		**2-1/2" Thick Foamglas Pipe Insulation** *(22 07 19 00-0138)*		
22 07 19 00-0189	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	35.82	7.65
		For Work In Restricted Working Space, Add	*6.95*	
22 07 19 00-0190	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	37.30	7.64
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0191	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.19	7.76
		For Work In Restricted Working Space, Add	*7.06*	
22 07 19 00-0192	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	40.87	7.82
		For Work In Restricted Working Space, Add	*7.11*	
22 07 19 00-0193	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	42.55	7.89
		For Work In Restricted Working Space, Add	*7.16*	
22 07 19 00-0194	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	45.62	8.20
		For Work In Restricted Working Space, Add	*7.46*	
22 07 19 00-0195	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	48.54	8.49
		For Work In Restricted Working Space, Add	*7.72*	
22 07 19 00-0196	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	52.73	8.79
		For Work In Restricted Working Space, Add	*7.99*	
22 07 19 00-0197	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	59.10	9.26
		For Work In Restricted Working Space, Add	*8.42*	
22 07 19 00-0198	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	70.67	10.54
		For Work In Restricted Working Space, Add	*9.58*	
22 07 19 00-0199	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	78.75	11.74
		For Work In Restricted Working Space, Add	*10.68*	
22 07 19 00-0200	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	89.84	13.53
		For Work In Restricted Working Space, Add	*12.31*	
22 07 19 00-0201	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	111.88	16.84
		For Work In Restricted Working Space, Add	*15.30*	
22 07 19 00-0202	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	116.64	18.38
		For Work In Restricted Working Space, Add	*16.70*	
22 07 19 00-0203	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	137.48	23.48
		For Work In Restricted Working Space, Add	*21.35*	
22 07 19 00-0204	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	149.52	24.65
		For Work In Restricted Working Space, Add	*22.42*	
22 07 19 00-0205	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	171.92	28.18
		For Work In Restricted Working Space, Add	*25.62*	
22 07 19 00-0206	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	215.34	34.05
		For Work In Restricted Working Space, Add	*30.95*	
22 07 19 00-0207		**3" Thick Foamglas Pipe Insulation** *(22 07 19 00-0138)*		
22 07 19 00-0208	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	43.31	8.12
		For Work In Restricted Working Space, Add	*7.39*	
22 07 19 00-0209	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	44.21	8.12
		For Work In Restricted Working Space, Add	*7.39*	
22 07 19 00-0210	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	45.51	8.26
		For Work In Restricted Working Space, Add	*7.51*	
22 07 19 00-0211	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	46.58	8.31
		For Work In Restricted Working Space, Add	*7.56*	
22 07 19 00-0212	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	47.70	8.39
		For Work In Restricted Working Space, Add	*7.62*	
22 07 19 00-0213	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	51.27	8.73
		For Work In Restricted Working Space, Add	*7.94*	
22 07 19 00-0214	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	54.69	9.04
		For Work In Restricted Working Space, Add	*8.21*	
22 07 19 00-0215	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	62.19	9.35
		For Work In Restricted Working Space, Add	*8.50*	
22 07 19 00-0216	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	71.01	9.85
		For Work In Restricted Working Space, Add	*8.96*	
22 07 19 00-0217	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	77.73	11.20
		For Work In Restricted Working Space, Add	*10.19*	
22 07 19 00-0218	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	87.81	12.49
		For Work In Restricted Working Space, Add	*11.36*	
22 07 19 00-0219	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	104.77	14.41
		For Work In Restricted Working Space, Add	*13.10*	
22 07 19 00-0220	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	121.64	17.90
		For Work In Restricted Working Space, Add	*16.28*	
22 07 19 00-0221	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	130.21	19.54
		For Work In Restricted Working Space, Add	*17.77*	
22 07 19 00-0222	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	155.39	24.99
		For Work In Restricted Working Space, Add	*22.71*	
22 07 19 00-0223	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	166.36	26.23
		For Work In Restricted Working Space, Add	*23.85*	
22 07 19 00-0224	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	195.00	29.98
		For Work In Restricted Working Space, Add	*27.25*	
22 07 19 00-0225	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	238.42	36.23
		For Work In Restricted Working Space, Add	*32.93*	
22 07 19 00-0226		**3-1/2" Thick Foamglas Pipe Insulation** *(22 07 19 00-0138)*		
22 07 19 00-0227	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	52.16	9.85
		For Work In Restricted Working Space, Add	*8.96*	
22 07 19 00-0228	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	53.29	9.85
		For Work In Restricted Working Space, Add	*8.96*	
22 07 19 00-0229	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.61	9.91
		For Work In Restricted Working Space, Add	*9.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0230	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	55.93	9.98
		For Work In Restricted Working Space, Add	*9.08*	
22 07 19 00-0231	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	57.44	10.10
		For Work In Restricted Working Space, Add	*9.19*	
22 07 19 00-0232	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	63.25	10.46
		For Work In Restricted Working Space, Add	*9.50*	
22 07 19 00-0233	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	69.11	10.83
		For Work In Restricted Working Space, Add	*9.84*	
22 07 19 00-0234	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	73.01	11.20
		For Work In Restricted Working Space, Add	*10.19*	
22 07 19 00-0235	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	78.21	11.84
		For Work In Restricted Working Space, Add	*10.77*	
22 07 19 00-0236	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	90.05	13.45
		For Work In Restricted Working Space, Add	*12.23*	
22 07 19 00-0237	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	102.41	14.97
		For Work In Restricted Working Space, Add	*13.61*	
22 07 19 00-0238	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	122.55	17.29
		For Work In Restricted Working Space, Add	*15.71*	
22 07 19 00-0239	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	144.71	21.48
		For Work In Restricted Working Space, Add	*19.53*	
22 07 19 00-0240	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	150.87	23.46
		For Work In Restricted Working Space, Add	*21.32*	
22 07 19 00-0241	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	180.70	29.98
		For Work In Restricted Working Space, Add	*27.25*	
22 07 19 00-0242	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	198.74	31.48
		For Work In Restricted Working Space, Add	*28.62*	
22 07 19 00-0243	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	226.25	36.00
		For Work In Restricted Working Space, Add	*32.73*	
22 07 19 00-0244	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	277.90	43.46
		For Work In Restricted Working Space, Add	*39.52*	

22 07 19 00-0245 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0138)*

22 07 19 00-0246	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	63.50	12.12
		For Work In Restricted Working Space, Add	*11.01*	
22 07 19 00-0247	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	64.95	12.12
		For Work In Restricted Working Space, Add	*11.01*	
22 07 19 00-0248	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	67.04	12.32
		For Work In Restricted Working Space, Add	*11.20*	
22 07 19 00-0249	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	68.93	12.47
		For Work In Restricted Working Space, Add	*11.33*	
22 07 19 00-0250	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	71.56	12.86
		For Work In Restricted Working Space, Add	*11.68*	
22 07 19 00-0251	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	77.38	13.24
		For Work In Restricted Working Space, Add	*12.05*	
22 07 19 00-0252	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	82.58	13.46
		For Work In Restricted Working Space, Add	*12.23*	
22 07 19 00-0253	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	86.71	13.96
		For Work In Restricted Working Space, Add	*12.68*	
22 07 19 00-0254	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	94.74	15.56
		For Work In Restricted Working Space, Add	*14.15*	
22 07 19 00-0255	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	109.73	16.70
		For Work In Restricted Working Space, Add	*15.19*	
22 07 19 00-0256	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	123.96	18.11
		For Work In Restricted Working Space, Add	*16.47*	
22 07 19 00-0257	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	141.89	21.53
		For Work In Restricted Working Space, Add	*19.57*	
22 07 19 00-0258	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	165.61	26.74
		For Work In Restricted Working Space, Add	*24.30*	
22 07 19 00-0259	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	180.06	29.19
		For Work In Restricted Working Space, Add	*26.55*	
22 07 19 00-0260	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	213.45	37.33
		For Work In Restricted Working Space, Add	*33.94*	
22 07 19 00-0261	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	237.73	39.13
		For Work In Restricted Working Space, Add	*35.57*	
22 07 19 00-0262	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	266.40	44.78
		For Work In Restricted Working Space, Add	*40.71*	
22 07 19 00-0263	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	338.17	54.10
		For Work In Restricted Working Space, Add	*49.18*	

22 07 19 00-0264 Polyisocyanurate Pipe Insulation *(22 07 19)*

Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0265 1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0264)*

22 07 19 00-0266	LF	1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	11.31	2.90
22 07 19 00-0267	LF	3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	12.53	3.03
22 07 19 00-0268	LF	1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.22	3.28
22 07 19 00-0269	LF	1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.93	3.41
22 07 19 00-0270	LF	1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	14.35	3.41
22 07 19 00-0271	LF	2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	15.16	3.53
22 07 19 00-0272	LF	2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	16.27	3.66
22 07 19 00-0273	LF	3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	17.34	3.91
22 07 19 00-0274	LF	4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	20.44	4.67
22 07 19 00-0275	LF	6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	24.48	5.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0276	LF	8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	28.96	6.18
22 07 19 00-0277	LF	10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	32.67	6.69
22 07 19 00-0278	LF	12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	38.83	8.20
22 07 19 00-0279		**1" Thick Polyisocyanurate Pipe Insulation** *(22 07 19 00-0264)*		
22 07 19 00-0280	LF	1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	13.29	3.03
22 07 19 00-0281	LF	3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	14.98	3.28
22 07 19 00-0282	LF	1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	15.81	3.41
22 07 19 00-0283	LF	1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	16.69	3.53
22 07 19 00-0284	LF	1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	17.43	3.66
22 07 19 00-0285	LF	2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	18.46	3.66
22 07 19 00-0286	LF	2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	19.88	3.91
22 07 19 00-0287	LF	3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	21.39	4.17
22 07 19 00-0288	LF	4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	25.29	4.92
22 07 19 00-0289	LF	6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	31.97	6.18
22 07 19 00-0290	LF	8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	38.45	7.32
22 07 19 00-0291	LF	10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	44.00	8.20
22 07 19 00-0292	LF	12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	49.75	9.21
22 07 19 00-0293		**1-1/2" Thick Polyisocyanurate Pipe Insulation** *(22 07 19 00-0264)*		
22 07 19 00-0294	LF	3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	16.93	3.41
22 07 19 00-0295	LF	1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	17.90	3.53
22 07 19 00-0296	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	19.01	3.66
22 07 19 00-0297	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	19.86	3.78
22 07 19 00-0298	LF	2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	21.12	3.91
22 07 19 00-0299	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	22.89	4.17
22 07 19 00-0300	LF	3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	24.64	4.29
22 07 19 00-0301	LF	4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	29.19	5.30
22 07 19 00-0302	LF	6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	37.33	6.69
22 07 19 00-0303	LF	8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	45.44	8.20
22 07 19 00-0304	LF	10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	52.31	9.21
22 07 19 00-0305	LF	12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	57.73	9.84
22 07 19 00-0306		**2" Thick Polyisocyanurate Pipe Insulation** *(22 07 19 00-0264)*		
22 07 19 00-0307	LF	3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	21.76	3.53
22 07 19 00-0308	LF	1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	23.13	3.66
22 07 19 00-0309	LF	1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	24.38	3.91
22 07 19 00-0310	LF	1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	25.40	3.91
22 07 19 00-0311	LF	2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	26.37	4.17
22 07 19 00-0312	LF	2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	28.61	4.42
22 07 19 00-0313	LF	3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	30.08	4.67
22 07 19 00-0314	LF	4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	35.86	5.68
22 07 19 00-0315	LF	6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	43.66	7.32
22 07 19 00-0316	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	57.11	9.21
22 07 19 00-0317	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	60.76	10.60
22 07 19 00-0318	LF	12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	66.19	11.35
22 07 19 00-0319		**Flexible Polyethylene Tubing Closed Cell Foam Insulation** *(22 07 19)* Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0320		**3/8" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-0319)*		
22 07 19 00-0321	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.05	3.77
22 07 19 00-0322	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.06	3.77
22 07 19 00-0323	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.39	3.91
22 07 19 00-0324	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.73	4.04
22 07 19 00-0325	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.04	4.12
22 07 19 00-0326	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.41	4.18
22 07 19 00-0327	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.56	4.18
22 07 19 00-0328	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.98	4.18
22 07 19 00-0329	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.80	4.31
22 07 19 00-0330	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.16	4.38
22 07 19 00-0331		**1/2" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-0319)*		
22 07 19 00-0332	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.93	4.12
22 07 19 00-0333	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.03	4.12
22 07 19 00-0334	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.18	4.18
22 07 19 00-0335	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.36	4.21
22 07 19 00-0336	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.82	4.31
22 07 19 00-0337	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.22	4.38
22 07 19 00-0338	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.67	4.44
22 07 19 00-0339	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.20	4.51
22 07 19 00-0340	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.15	4.64
22 07 19 00-0341	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.12	4.71
22 07 19 00-0342	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.04	4.77
22 07 19 00-0343	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.60	4.83
22 07 19 00-0344		**3/4" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-0319)*		
22 07 19 00-0345	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.95	4.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0346	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.07	4.51
22 07 19 00-0347	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.72	4.64
22 07 19 00-0348	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.00	4.71
22 07 19 00-0349	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.80	4.83
22 07 19 00-0350	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.60	4.91
22 07 19 00-0351	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.96	4.93
22 07 19 00-0352	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.44	4.97
22 07 19 00-0353	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.48	5.10
22 07 19 00-0354	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.61	5.17
22 07 19 00-0355	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.08	5.23
22 07 19 00-0356	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.69	5.30

22 07 19 00-0357 1" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0319)*

22 07 19 00-0358	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.31	4.91
22 07 19 00-0359	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.60	4.97
22 07 19 00-0360	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.51	5.10
22 07 19 00-0361	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.79	5.17
22 07 19 00-0362	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.16	5.30
22 07 19 00-0363	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.84	5.43
22 07 19 00-0364	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.11	5.50
22 07 19 00-0365	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.43	5.56
22 07 19 00-0366	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.37	5.71
22 07 19 00-0367	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.19	5.77

22 07 19 00-0368 Flexible Elastomeric Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0369 3/8" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0368)*

22 07 19 00-0370	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.18	3.77
22 07 19 00-0371	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.28	3.77
22 07 19 00-0372	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.60	3.91
22 07 19 00-0373	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.79	3.97
22 07 19 00-0374	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.99	4.04
22 07 19 00-0375	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.23	4.12
22 07 19 00-0376	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.46	4.18
22 07 19 00-0377	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.66	4.18
22 07 19 00-0378	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.84	4.18
22 07 19 00-0379	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.03	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0380	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.31	4.31
22 07 19 00-0381	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.54	4.31
22 07 19 00-0382	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.71	4.38
22 07 19 00-0383	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.95	4.38
22 07 19 00-0384	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.45	4.44
22 07 19 00-0385	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.04	4.51
22 07 19 00-0386	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.67	4.53

22 07 19 00-0387 1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0368)*

22 07 19 00-0388	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.15	4.12
22 07 19 00-0389	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.26	4.12
22 07 19 00-0390	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.40	4.18
22 07 19 00-0391	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.57	4.18
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0392	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.69	4.18
22 07 19 00-0393	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.04	4.31
22 07 19 00-0394	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.37	4.38
22 07 19 00-0395	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.67	4.44
22 07 19 00-0396	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.94	4.48
		For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-0397	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.17	4.51
22 07 19 00-0398	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.01	4.58
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0399	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.53	4.64
22 07 19 00-0400	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.90	4.68
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0401	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.22	4.71
22 07 19 00-0402	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.47	4.74
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0403	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.68	4.77
22 07 19 00-0404	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.63	4.83
22 07 19 00-0405	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.86	4.87
		For Work In Restricted Working Space, Add	*2.92*	
22 07 19 00-0406	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.77	4.91
22 07 19 00-0407	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.91	5.03
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0408	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.16	5.17
		For Work In Restricted Working Space, Add	*3.10*	

22 07 19 00-0409 3/4" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0368)*

22 07 19 00-0410	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.40	4.44
22 07 19 00-0411	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.65	4.51
22 07 19 00-0412	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.07	4.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0413	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.28	4.68
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0414	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.39	4.71
22 07 19 00-0415	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.96	4.83
22 07 19 00-0416	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.39	4.91
22 07 19 00-0417	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.82	4.97
22 07 19 00-0418	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.93	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0419	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.11	5.01
22 07 19 00-0420	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.59	5.03
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0421	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.87	5.10
22 07 19 00-0422	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.43	5.13
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0423	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.82	5.17
22 07 19 00-0424	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.40	5.21
		For Work In Restricted Working Space, Add	*3.12*	
22 07 19 00-0425	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.65	5.23
22 07 19 00-0426	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.53	5.30
22 07 19 00-0427	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.22	5.33
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0428	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.38	5.36
22 07 19 00-0429	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.63	5.43
22 07 19 00-0430	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.15	5.56
		For Work In Restricted Working Space, Add	*3.34*	

22 07 19 00-0431 1" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0368)*

22 07 19 00-0432	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.01	4.89
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0433	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.33	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0434	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.76	5.10
22 07 19 00-0435	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.08	5.13
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0436	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.36	5.17
22 07 19 00-0437	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.89	5.30
22 07 19 00-0438	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.69	5.43
22 07 19 00-0439	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.08	5.43
22 07 19 00-0440	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.59	5.50
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0441	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.78	5.56
22 07 19 00-0442	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.87	5.64
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0443	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.72	5.71
22 07 19 00-0444	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.78	5.74
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0445	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.10	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0446	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.66	5.81
		For Work In Restricted Working Space, Add	*3.48*	
22 07 19 00-0447	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.94	5.83
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0448	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.00	5.97
		For Work In Restricted Working Space, Add	*3.58*	
22 07 19 00-0449	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.39	6.03
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0450	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.39	6.10
		For Work In Restricted Working Space, Add	*3.66*	
22 07 19 00-0451	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.57	6.23
		For Work In Restricted Working Space, Add	*3.74*	

22 07 19 00-0452 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0368)*

22 07 19 00-0453	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.26	5.48
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0454	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.69	5.61
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0455	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.01	5.64
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0456	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.33	5.69
		For Work In Restricted Working Space, Add	*3.40*	
22 07 19 00-0457	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.84	5.82
		For Work In Restricted Working Space, Add	*3.48*	
22 07 19 00-0458	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.66	6.03
		For Work In Restricted Working Space, Add	*3.61*	
22 07 19 00-0459	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.67	5.95
		For Work In Restricted Working Space, Add	*3.65*	
22 07 19 00-0460	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.56	6.08
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0461	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.14	6.23
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0462	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.80	6.31
		For Work In Restricted Working Space, Add	*3.78*	
22 07 19 00-0463	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.39	6.38
		For Work In Restricted Working Space, Add	*3.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0464	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.13	6.41
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0465	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.88	6.42
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0466	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.74	6.46
		For Work In Restricted Working Space, Add	*3.88*	
22 07 19 00-0467	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.29	6.48
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0468	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.30	6.72
		For Work In Restricted Working Space, Add	*4.02*	
22 07 19 00-0469	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.92	6.82
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0470	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.74	6.92
		For Work In Restricted Working Space, Add	*4.16*	
22 07 19 00-0471	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.58	7.14
		For Work In Restricted Working Space, Add	*4.28*	

22 07 19 00-0472 2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0368)*

22 07 19 00-0473	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.96	6.06
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0474	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.84	6.15
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0475	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.25	6.20
		For Work In Restricted Working Space, Add	*3.73*	
22 07 19 00-0476	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.75	6.25
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0477	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.00	6.37
		For Work In Restricted Working Space, Add	*3.82*	
22 07 19 00-0478	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.62	6.67
		For Work In Restricted Working Space, Add	*4.00*	
22 07 19 00-0479	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.50	6.51
		For Work In Restricted Working Space, Add	*4.03*	
22 07 19 00-0480	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.10	6.74
		For Work In Restricted Working Space, Add	*4.10*	
22 07 19 00-0481	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.64	6.96
		For Work In Restricted Working Space, Add	*4.18*	
22 07 19 00-0482	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.66	7.05
		For Work In Restricted Working Space, Add	*4.22*	
22 07 19 00-0483	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.72	7.14
		For Work In Restricted Working Space, Add	*4.26*	
22 07 19 00-0484	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.98	7.15
		For Work In Restricted Working Space, Add	*4.28*	
22 07 19 00-0485	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.89	7.16
		For Work In Restricted Working Space, Add	*4.31*	
22 07 19 00-0486	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.21	7.20
		For Work In Restricted Working Space, Add	*4.32*	
22 07 19 00-0487	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.62	7.23
		For Work In Restricted Working Space, Add	*4.34*	
22 07 19 00-0488	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	46.44	7.57
		For Work In Restricted Working Space, Add	*4.53*	
22 07 19 00-0489	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	49.23	7.72
		For Work In Restricted Working Space, Add	*4.63*	
22 07 19 00-0490	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	50.12	7.87
		For Work In Restricted Working Space, Add	*4.73*	
22 07 19 00-0491	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	55.89	8.19
		For Work In Restricted Working Space, Add	*4.91*	

22 07 19 00-0492 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0493 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0492)*

22 07 19 00-0494	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.12	3.77
22 07 19 00-0495	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.21	3.77
22 07 19 00-0496	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.51	3.91
22 07 19 00-0497	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.88	4.04
22 07 19 00-0498	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.10	4.12
22 07 19 00-0499	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.50	4.18
22 07 19 00-0500	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.79	4.18
22 07 19 00-0501	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.01	4.31
22 07 19 00-0502	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.97	4.31
22 07 19 00-0503	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.82	4.38
22 07 19 00-0504	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.98	4.51

22 07 19 00-0505 1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0492)*

22 07 19 00-0506	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.08	4.12
22 07 19 00-0507	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.16	4.12
22 07 19 00-0508	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.34	4.18
22 07 19 00-0509	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.58	4.18
22 07 19 00-0510	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.88	4.31
22 07 19 00-0511	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.32	4.38
22 07 19 00-0512	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.80	4.44
22 07 19 00-0513	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.25	4.51
22 07 19 00-0514	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.29	4.64

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0515	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.18	4.71
22 07 19 00-0516	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.91	4.83

22 07 19 00-0517 3/4" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0492)*

22 07 19 00-0518	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.19	4.44
22 07 19 00-0519	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.51	4.51
22 07 19 00-0520	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.94	4.64
22 07 19 00-0521	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.55	4.71
22 07 19 00-0522	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.15	4.83
22 07 19 00-0523	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.14	4.91
22 07 19 00-0524	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.79	4.91
22 07 19 00-0525	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.53	4.97
22 07 19 00-0526	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.96	5.10
22 07 19 00-0527	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.26	5.17
22 07 19 00-0528	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.75	5.30

22 07 19 00-0529 1" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0492)*

22 07 19 00-0530	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.07	4.91
22 07 19 00-0531	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.26	4.97
22 07 19 00-0532	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.67	5.10
22 07 19 00-0533	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.57	5.17
22 07 19 00-0534	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.32	5.30
22 07 19 00-0535	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.10	5.43
22 07 19 00-0536	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.83	5.43
22 07 19 00-0537	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.48	5.56
22 07 19 00-0538	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.68	5.71
22 07 19 00-0539	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	21.24	5.77

22 07 19 00-0540 Flexible Elastomeric Unicellular Insulation *(22 07 19)*

Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0541 3/8" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0540)*

22 07 19 00-0542	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.33	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0543	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.87	3.91
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0544	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.37	4.05
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-0545	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.80	4.12
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0546	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.28	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0547	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.03	4.21
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0548	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.94	4.32
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0549	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	15.21	4.34
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-0550	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	16.83	4.41
		For Work In Restricted Working Space, Add	*2.64*	

22 07 19 00-0551 1/2" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0540)*

22 07 19 00-0552	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.79	4.05
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-0553	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.32	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0554	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.72	4.18
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0555	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.32	4.31
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0556	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.82	4.38
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-0557	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.58	4.44
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0558	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	15.00	4.51
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0559	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	17.37	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0560	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	18.91	4.71
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0561	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	22.07	4.77
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-0562	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	23.54	4.83
		For Work In Restricted Working Space, Add	*2.90*	

22 07 19 00-0563 3/4" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0540)*

22 07 19 00-0564	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	12.96	4.42
		For Work In Restricted Working Space, Add	*2.65*	
22 07 19 00-0565	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	13.79	4.64
		For Work In Restricted Working Space, Add	*2.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0566	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	14.80	4.71
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0567	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	16.27	4.84
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0568	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	17.32	4.91
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0569	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	19.93	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0570	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	22.17	5.01
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0571	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	25.54	5.11
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0572	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	27.88	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0573	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	31.75	5.23
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0574	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	33.51	5.30
		For Work In Restricted Working Space, Add	*3.18*	

22 07 19 00-0575 1" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0540)*

22 07 19 00-0576	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	17.38	4.91
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0577	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	18.27	5.11
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0578	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	20.29	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0579	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	22.69	5.30
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0580	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	24.89	5.43
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0581	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	26.52	5.50
		For Work In Restricted Working Space, Add	*3.30*	
22 07 19 00-0582	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	29.82	5.56
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0583	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	37.77	5.71
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0584	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	43.51	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0585	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	46.60	5.83
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0586	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	52.96	5.97
		For Work In Restricted Working Space, Add	*3.58*	

22 07 19 00-0587 Insulation Foam Rubber *(22 07 19)*

22 07 19 00-0588 Covering 4x6 Sheet *(22 07 19 00-0587)*

22 07 19 00-0589	SF	1" Thick Foam Rubber Sheet Insulation	26.02	8.96

22 07 19 00-0590 Insulation Protective Jacketing *(22 07 19)*

Note: Jacketing only and to be added to insulation prices when required.

22 07 19 00-0591 Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0590)*

22 07 19 00-0592 Aluminum Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0591)*

22 07 19 00-0593	SF	0.006" Aluminum Insulation Jacket With Bands	19.07	8.07
22 07 19 00-0594	SF	0.016" Aluminum Insulation Jacket With Bands	19.76	8.07

22 07 19 00-0595 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0591)*

22 07 19 00-0596	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	9.95	2.29
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0597	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	10.39	2.34
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0598	LF	1" ID, 0.016" Aluminum Insulation Jacketing	10.83	2.41
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0599	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	11.30	2.47
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0600	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.67	2.50
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0601	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.04	2.54
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0602	LF	2" ID, 0.016" Aluminum Insulation Jacketing	12.48	2.59
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0603	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	12.93	2.65
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0604	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.42	2.70
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0605	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	13.81	2.75
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0606	LF	3" ID, 0.016" Aluminum Insulation Jacketing	14.31	2.81
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0607	LF	3-1/4" ID, 0.016" Aluminum Insulation Jacketing	14.80	2.87
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0608	LF	3-1/2" ID, 0.016" Aluminum Insulation Jacketing	15.28	2.94
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0609	LF	3-3/4" ID, 0.016" Aluminum Insulation Jacketing	15.73	2.99
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0610	LF	4" ID, 0.016" Aluminum Insulation Jacketing	16.25	3.06
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0611	LF	4-1/4" ID, 0.016" Aluminum Insulation Jacketing	16.78	3.14
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0612	LF	4-1/2" ID, 0.016" Aluminum Insulation Jacketing	17.35	3.21
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0613	LF	4-3/4" ID, 0.016" Aluminum Insulation Jacketing	17.83	3.28
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0614	LF	5" ID, 0.016" Aluminum Insulation Jacketing	18.40	3.36
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0615	LF	5-1/4" ID, 0.016" Aluminum Insulation Jacketing	19.00	3.46
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0616	LF	5-1/2" ID, 0.016" Aluminum Insulation Jacketing	19.52	3.53
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0617	LF	5-3/4" ID, 0.016" Aluminum Insulation Jacketing	20.18	3.63
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0618	LF	6" ID, 0.016" Aluminum Insulation Jacketing	20.83	3.74
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0619	LF	6-1/4" ID, 0.016" Aluminum Insulation Jacketing	21.29	3.79
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0620	LF	6-1/2" ID, 0.016" Aluminum Insulation Jacketing	21.75	3.85
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0621	LF	7" ID, 0.016" Aluminum Insulation Jacketing	22.54	3.94
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0622	LF	7-1/4" ID, 0.016" Aluminum Insulation Jacketing	23.14	4.04
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0623	LF	7-1/2" ID, 0.016" Aluminum Insulation Jacketing	23.63	4.11
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0624	LF	8" ID, 0.016" Aluminum Insulation Jacketing	24.37	4.18
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0625	LF	8-1/2" ID, 0.016" Aluminum Insulation Jacketing	25.10	4.24
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0626	LF	9" ID, 0.016" Aluminum Insulation Jacketing	25.99	4.35
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0627	LF	9-1/2" ID, 0.016" Aluminum Insulation Jacketing	26.78	4.43
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0628	LF	10" ID, 0.016" Aluminum Insulation Jacketing	27.54	4.51
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0629	LF	10-1/2" ID, 0.016" Aluminum Insulation Jacketing	28.34	4.59
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0630	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	29.30	4.72
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0631	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing	30.15	4.81
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0632	LF	12" ID, 0.016" Aluminum Insulation Jacketing	30.97	4.90
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0633	LF	12-1/2" ID, 0.016" Aluminum Insulation Jacketing	32.02	5.05
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0634	LF	13" ID, 0.016" Aluminum Insulation Jacketing	32.67	5.10
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0635	LF	14" ID, 0.016" Aluminum Insulation Jacketing	33.82	5.15
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0636	LF	15" ID, 0.016" Aluminum Insulation Jacketing	35.16	5.25
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0637	LF	16" ID, 0.016" Aluminum Insulation Jacketing	36.32	5.31
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0638	LF	17" ID, 0.016" Aluminum Insulation Jacketing	37.69	5.42
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0639	LF	18" ID, 0.016" Aluminum Insulation Jacketing	38.54	5.48
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0640	LF	19" ID, 0.016" Aluminum Insulation Jacketing	40.26	5.61
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0641	LF	20" ID, 0.016" Aluminum Insulation Jacketing	41.44	5.68
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0642	LF	21" ID, 0.016" Aluminum Insulation Jacketing	42.88	5.80
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0643	LF	22" ID, 0.016" Aluminum Insulation Jacketing	44.06	5.87
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0644	LF	23" ID, 0.016" Aluminum Insulation Jacketing	45.55	6.01
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0645	LF	24" ID, 0.016" Aluminum Insulation Jacketing	46.75	6.08
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	

22 07 19 00-0646 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0591)*

22 07 19 00-0647	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing	11.06	2.53
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0648	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing	11.58	2.59
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0649	LF	1" ID, 0.020" Aluminum Insulation Jacketing	12.13	2.65
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0650	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing	12.67	2.71
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0651	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing	13.12	2.75
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0652	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing	13.58	2.79
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0653	LF	2" ID, 0.020" Aluminum Insulation Jacketing	14.10	2.85
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0654	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing	14.62	2.91
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0655	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing	15.19	2.97
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0656	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing	15.68	3.02
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0657	LF	3" ID, 0.020" Aluminum Insulation Jacketing	16.28	3.08
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0658	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing	16.84	3.15
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0659	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing	17.42	3.23
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0660	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing	17.94	3.28
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0661	LF	4" ID, 0.020" Aluminum Insulation Jacketing	18.54	3.36
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0662	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing	19.18	3.45
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0663	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing	19.85	3.53
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0664	LF	4-3/4" ID, 0.020" Aluminum Insulation Jacketing	20.41	3.60
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0665	LF	5" ID, 0.020" Aluminum Insulation Jacketing	21.08	3.70
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0666	LF	5-1/4" ID, 0.020" Aluminum Insulation Jacketing	21.78	3.80
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0667	LF	5-1/2" ID, 0.020" Aluminum Insulation Jacketing	22.39	3.88
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0668	LF	5-3/4" ID, 0.020" Aluminum Insulation Jacketing	23.17	4.00
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0669	LF	6" ID, 0.020" Aluminum Insulation Jacketing	23.92	4.12
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0670	LF	6-1/4" ID, 0.020" Aluminum Insulation Jacketing	24.45	4.18
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0671	LF	6-1/2" ID, 0.020" Aluminum Insulation Jacketing	25.01	4.24
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0672	LF	7" ID, 0.020" Aluminum Insulation Jacketing	25.94	4.34
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0673	LF	7-1/4" ID, 0.020" Aluminum Insulation Jacketing	26.64	4.44
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0674	LF	7-1/2" ID, 0.020" Aluminum Insulation Jacketing	27.22	4.52
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0675	LF	8" ID, 0.020" Aluminum Insulation Jacketing	28.12	4.59
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0676	LF	8-1/2" ID, 0.020" Aluminum Insulation Jacketing	28.99	4.67
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0677	LF	9" ID, 0.020" Aluminum Insulation Jacketing	30.04	4.79
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0678	LF	9-1/2" ID, 0.020" Aluminum Insulation Jacketing	31.00	4.87
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0679	LF	10" ID, 0.020" Aluminum Insulation Jacketing	31.92	4.96
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0680	LF	10-1/2" ID, 0.020" Aluminum Insulation Jacketing	32.86	5.05
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0681	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	34.00	5.19
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0682	LF	11-1/2" ID, 0.020" Aluminum Insulation Jacketing	35.01	5.28
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0683	LF	12" ID, 0.020" Aluminum Insulation Jacketing	36.00	5.39
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0684	LF	12-1/2" ID, 0.020" Aluminum Insulation Jacketing	37.23	5.55
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0685	LF	13" ID, 0.020" Aluminum Insulation Jacketing	38.03	5.61
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0686	LF	14" ID, 0.020" Aluminum Insulation Jacketing	39.45	5.67
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0687	LF	15" ID, 0.020" Aluminum Insulation Jacketing	41.08	5.79
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0688	LF	16" ID, 0.020" Aluminum Insulation Jacketing	42.52	5.85
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0689	LF	17" ID, 0.020" Aluminum Insulation Jacketing	44.17	5.97
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0690	LF	18" ID, 0.020" Aluminum Insulation Jacketing	45.23	6.04
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0691	LF	19" ID, 0.020" Aluminum Insulation Jacketing	47.31	6.17
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0692	LF	20" ID, 0.020" Aluminum Insulation Jacketing	48.78	6.24
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0693	LF	21" ID, 0.020" Aluminum Insulation Jacketing	50.51	6.38
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.62*	
22 07 19 00-0694	LF	22" ID, 0.020" Aluminum Insulation Jacketing	51.96	6.45
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0695	LF	23" ID, 0.020" Aluminum Insulation Jacketing	53.77	6.61
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0696	LF	24" ID, 0.020" Aluminum Insulation Jacketing	55.25	6.69
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.71*	

22 07 19 00-0697 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0591)*

22 07 19 00-0698	LF	1/2" ID, 0.024" Aluminum Insulation Jacketing	12.18	2.76
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0699	LF	3/4" ID, 0.024" Aluminum Insulation Jacketing	12.78	2.82
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0700	LF	1" ID, 0.024" Aluminum Insulation Jacketing	13.39	2.89
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0701	LF	1-1/4" ID, 0.024" Aluminum Insulation Jacketing	14.01	2.96
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0702	LF	1-1/2" ID, 0.024" Aluminum Insulation Jacketing	14.55	3.00
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0703	LF	1-3/4" ID, 0.024" Aluminum Insulation Jacketing	15.08	3.04
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0704	LF	2" ID, 0.024" Aluminum Insulation Jacketing	15.66	3.11
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0705	LF	2-1/4" ID, 0.024" Aluminum Insulation Jacketing	16.27	3.17
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0706	LF	2-1/2" ID, 0.024" Aluminum Insulation Jacketing	16.93	3.24
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0707	LF	2-3/4" ID, 0.024" Aluminum Insulation Jacketing	17.48	3.29
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0708	LF	3" ID, 0.024" Aluminum Insulation Jacketing	18.16	3.36
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0709	LF	3-1/4" ID, 0.024" Aluminum Insulation Jacketing	18.83	3.44
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0710	LF	3-1/2" ID, 0.024" Aluminum Insulation Jacketing	19.49	3.52
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0711	LF	3-3/4" ID, 0.024" Aluminum Insulation Jacketing	20.08	3.58
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0712	LF	4" ID, 0.024" Aluminum Insulation Jacketing	20.77	3.67
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0713	LF	4-1/4" ID, 0.024" Aluminum Insulation Jacketing	21.48	3.76
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0714	LF	4-1/2" ID, 0.024" Aluminum Insulation Jacketing	22.26	3.85
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0715	LF	4-3/4" ID, 0.024" Aluminum Insulation Jacketing	22.90	3.93
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0716	LF	5" ID, 0.024" Aluminum Insulation Jacketing	23.67	4.04
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0717	LF	5-1/4" ID, 0.024" Aluminum Insulation Jacketing	24.45	4.15
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0718	LF	5-1/2" ID, 0.024" Aluminum Insulation Jacketing	25.15	4.24
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0719	LF	5-3/4" ID, 0.024" Aluminum Insulation Jacketing	26.03	4.36
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0720	LF	6" ID, 0.024" Aluminum Insulation Jacketing	26.89	4.49
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0721	LF	6-1/4" ID, 0.024" Aluminum Insulation Jacketing	27.50	4.55
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0722	LF	6-1/2" ID, 0.024" Aluminum Insulation Jacketing	28.14	4.62
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0723	LF	7" ID, 0.024" Aluminum Insulation Jacketing	29.21	4.73
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0724	LF	7-1/4" ID, 0.024" Aluminum Insulation Jacketing	30.01	4.84
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0725	LF	7-1/2" ID, 0.024" Aluminum Insulation Jacketing	30.67	4.92
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0726	LF	8" ID, 0.024" Aluminum Insulation Jacketing	31.71	5.01
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0727	LF	8-1/2" ID, 0.024" Aluminum Insulation Jacketing	32.72	5.09
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0728	LF	9" ID, 0.024" Aluminum Insulation Jacketing	33.93	5.22
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0729	LF	9-1/2" ID, 0.024" Aluminum Insulation Jacketing	35.04	5.31
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0730	LF	10" ID, 0.024" Aluminum Insulation Jacketing	36.11	5.40
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0731	LF	10-1/2" ID, 0.024" Aluminum Insulation Jacketing	37.19	5.50
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0732	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	38.50	5.66
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0733	LF	11-1/2" ID, 0.024" Aluminum Insulation Jacketing	39.66	5.77
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0734	LF	12" ID, 0.024" Aluminum Insulation Jacketing	40.81	5.88
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0735	LF	12-1/2" ID, 0.024" Aluminum Insulation Jacketing	42.20	6.06
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0736	LF	13" ID, 0.024" Aluminum Insulation Jacketing	43.14	6.12
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0737	LF	14" ID, 0.024" Aluminum Insulation Jacketing	44.81	6.18
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0738	LF	15" ID, 0.024" Aluminum Insulation Jacketing	46.72	6.31
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0739	LF	16" ID, 0.024" Aluminum Insulation Jacketing	48.40	6.37
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0740	LF	17" ID, 0.024" Aluminum Insulation Jacketing	50.33	6.51
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0741	LF	18" ID, 0.024" Aluminum Insulation Jacketing	51.58	6.58
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0742	LF	19" ID, 0.024" Aluminum Insulation Jacketing	54.01	6.73
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0743	LF	20" ID, 0.024" Aluminum Insulation Jacketing	55.74	6.80
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0744	LF	21" ID, 0.024" Aluminum Insulation Jacketing	57.74	6.96
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0745	LF	22" ID, 0.024" Aluminum Insulation Jacketing	59.46	7.04
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.78*	
22 07 19 00-0746	LF	23" ID, 0.024" Aluminum Insulation Jacketing	61.55	7.21
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	
22 07 19 00-0747	LF	24" ID, 0.024" Aluminum Insulation Jacketing	63.28	7.30
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	

22 07 19 00-0748 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0591)*

22 07 19 00-0749	LF	1/2" ID, 0.032" Aluminum Insulation Jacketing	13.78	3.05
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0750	LF	3/4" ID, 0.032" Aluminum Insulation Jacketing	14.52	3.12
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0751	LF	1" ID, 0.032" Aluminum Insulation Jacketing	15.28	3.20
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0752	LF	1-1/4" ID, 0.032" Aluminum Insulation Jacketing	16.06	3.27
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0753	LF	1-1/2" ID, 0.032" Aluminum Insulation Jacketing	16.71	3.32
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0754	LF	1-3/4" ID, 0.032" Aluminum Insulation Jacketing	17.38	3.37
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0755	LF	2" ID, 0.032" Aluminum Insulation Jacketing	18.12	3.44
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0756	LF	2-1/4" ID, 0.032" Aluminum Insulation Jacketing	18.87	3.51
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0757	LF	2-1/2" ID, 0.032" Aluminum Insulation Jacketing	19.70	3.59
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0758	LF	2-3/4" ID, 0.032" Aluminum Insulation Jacketing	20.39	3.65
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0759	LF	3" ID, 0.032" Aluminum Insulation Jacketing	21.23	3.73
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0760	LF	3-1/4" ID, 0.032" Aluminum Insulation Jacketing	22.05	3.81
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0761	LF	3-1/2" ID, 0.032" Aluminum Insulation Jacketing	22.86	3.90
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0762	LF	3-3/4" ID, 0.032" Aluminum Insulation Jacketing	23.60	3.97
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0763	LF	4" ID, 0.032" Aluminum Insulation Jacketing	24.45	4.07
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0764	LF	4-1/4" ID, 0.032" Aluminum Insulation Jacketing	25.31	4.17
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0765	LF	4-1/2" ID, 0.032" Aluminum Insulation Jacketing	26.26	4.28
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0766	LF	4-3/4" ID, 0.032" Aluminum Insulation Jacketing	27.07	4.36
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0767	LF	5" ID, 0.032" Aluminum Insulation Jacketing	27.99	4.48
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0768	LF	5-1/4" ID, 0.032" Aluminum Insulation Jacketing	28.95	4.60
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0769	LF	5-1/2" ID, 0.032" Aluminum Insulation Jacketing	29.80	4.69
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0770	LF	5-3/4" ID, 0.032" Aluminum Insulation Jacketing	30.86	4.83
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0771	LF	6" ID, 0.032" Aluminum Insulation Jacketing	31.89	4.97
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0772	LF	6-1/4" ID, 0.032" Aluminum Insulation Jacketing	32.66	5.05
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0773	LF	6-1/2" ID, 0.032" Aluminum Insulation Jacketing	33.43	5.12
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0774	LF	7" ID, 0.032" Aluminum Insulation Jacketing	34.77	5.24
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0775	LF	7-1/4" ID, 0.032" Aluminum Insulation Jacketing	35.74	5.37
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0776	LF	7-1/2" ID, 0.032" Aluminum Insulation Jacketing	36.56	5.45
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0777	LF	8" ID, 0.032" Aluminum Insulation Jacketing	37.87	5.55
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0778	LF	8-1/2" ID, 0.032" Aluminum Insulation Jacketing	39.15	5.65
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0779	LF	9" ID, 0.032" Aluminum Insulation Jacketing	40.67	5.79
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0780	LF	9-1/2" ID, 0.032" Aluminum Insulation Jacketing	42.05	5.89
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0781	LF	10" ID, 0.032" Aluminum Insulation Jacketing	43.40	6.00
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0782	LF	10-1/2" ID, 0.032" Aluminum Insulation Jacketing	44.76	6.10
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0783	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	46.37	6.27
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0784	LF	11-1/2" ID, 0.032" Aluminum Insulation Jacketing	47.84	6.39
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0785	LF	12" ID, 0.032" Aluminum Insulation Jacketing	49.26	6.52
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0786	LF	12-1/2" ID, 0.032" Aluminum Insulation Jacketing	50.98	6.71
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0787	LF	13" ID, 0.032" Aluminum Insulation Jacketing	52.17	6.78
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0788	LF	14" ID, 0.032" Aluminum Insulation Jacketing	54.37	6.85
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0789	LF	15" ID, 0.032" Aluminum Insulation Jacketing	56.79	6.99
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.72*	
22 07 19 00-0790	LF	16" ID, 0.032" Aluminum Insulation Jacketing	59.00	7.06
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.77*	
22 07 19 00-0791	LF	17" ID, 0.032" Aluminum Insulation Jacketing	61.46	7.22
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.81*	
22 07 19 00-0792	LF	18" ID, 0.032" Aluminum Insulation Jacketing	63.05	7.30
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0793	LF	19" ID, 0.032" Aluminum Insulation Jacketing	66.20	7.46
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.91*	
22 07 19 00-0794	LF	20" ID, 0.032" Aluminum Insulation Jacketing	68.45	7.54
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0795	LF	21" ID, 0.032" Aluminum Insulation Jacketing	70.99	7.72
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.00*	
22 07 19 00-0796	LF	22" ID, 0.032" Aluminum Insulation Jacketing	73.21	7.81
		For Stucco Embossed, Add	*0.42*	
		For Corrugated, Add	*1.05*	
22 07 19 00-0797	LF	23" ID, 0.032" Aluminum Insulation Jacketing	75.86	7.99
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.10*	
22 07 19 00-0798	LF	24" ID, 0.032" Aluminum Insulation Jacketing	78.11	8.09
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	

22 07 19 00-0799 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0591)*

22 07 19 00-0800	LF	1/2" ID, 0.040" Aluminum Insulation Jacketing	16.01	3.51
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0801	LF	3/4" ID, 0.040" Aluminum Insulation Jacketing	16.92	3.59
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0802	LF	1" ID, 0.040" Aluminum Insulation Jacketing	17.84	3.67
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0803	LF	1-1/4" ID, 0.040" Aluminum Insulation Jacketing	18.77	3.76
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0804	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing	19.58	3.82
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0805	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing	20.40	3.88
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0806	LF	2" ID, 0.040" Aluminum Insulation Jacketing	21.30	3.95
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0807	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing	22.21	4.05
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0808	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing	23.21	4.13
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0809	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing	24.07	4.20
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0810	LF	3" ID, 0.040" Aluminum Insulation Jacketing	25.09	4.29
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0811	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing	26.07	4.39
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0812	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing	27.05	4.49
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0813	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing	27.95	4.57
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0814	LF	4" ID, 0.040" Aluminum Insulation Jacketing	28.98	4.68
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0815	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing	30.02	4.80
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0816	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing	31.17	4.92
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0817	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing	32.14	5.01
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0818	LF	5" ID, 0.040" Aluminum Insulation Jacketing	33.25	5.15
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0819	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing	34.40	5.29
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0820	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing	35.43	5.40
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0821	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing	36.70	5.55
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0822	LF	6" ID, 0.040" Aluminum Insulation Jacketing	37.95	5.72
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0823	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing	38.88	5.81
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0824	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing	39.81	5.90
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0825	LF	7" ID, 0.040" Aluminum Insulation Jacketing	41.45	6.03
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0826	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing	42.61	6.18
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0827	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing	43.60	6.28
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0828	LF	8" ID, 0.040" Aluminum Insulation Jacketing	45.19	6.39
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0829	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing	46.77	6.49
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.52*	
22 07 19 00-0830	LF	9" ID, 0.040" Aluminum Insulation Jacketing	48.61	6.65
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0831	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing	50.31	6.77
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0832	LF	10" ID, 0.040" Aluminum Insulation Jacketing	51.95	6.89
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0833	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing	53.63	7.02
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.64*	
22 07 19 00-0834	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	55.57	7.22
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0835	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing	57.36	7.36
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0836	LF	12" ID, 0.040" Aluminum Insulation Jacketing	59.10	7.50
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.73*	
22 07 19 00-0837	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing	61.16	7.72
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.76*	
22 07 19 00-0838	LF	13" ID, 0.040" Aluminum Insulation Jacketing	62.64	7.80
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.79*	
22 07 19 00-0839	LF	14" ID, 0.040" Aluminum Insulation Jacketing	65.36	7.88
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0840	LF	15" ID, 0.040" Aluminum Insulation Jacketing	68.34	8.04
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.90*	
22 07 19 00-0841	LF	16" ID, 0.040" Aluminum Insulation Jacketing	71.08	8.13
		For Stucco Embossed, Add	*0.39*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0842	LF	17" ID, 0.040" Aluminum Insulation Jacketing	74.11	8.30
		For Stucco Embossed, Add	*0.41*	
		For Corrugated, Add	*1.02*	
22 07 19 00-0843	LF	18" ID, 0.040" Aluminum Insulation Jacketing	76.07	8.39
		For Stucco Embossed, Add	*0.43*	
		For Corrugated, Add	*1.06*	
22 07 19 00-0844	LF	19" ID, 0.040" Aluminum Insulation Jacketing	79.95	8.58
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	
22 07 19 00-0845	LF	20" ID, 0.040" Aluminum Insulation Jacketing	82.75	8.67
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.20*	
22 07 19 00-0846	LF	21" ID, 0.040" Aluminum Insulation Jacketing	85.86	8.88
		For Stucco Embossed, Add	*0.50*	
		For Corrugated, Add	*1.26*	
22 07 19 00-0847	LF	22" ID, 0.040" Aluminum Insulation Jacketing	88.61	8.98
		For Stucco Embossed, Add	*0.53*	
		For Corrugated, Add	*1.32*	
22 07 19 00-0848	LF	23" ID, 0.040" Aluminum Insulation Jacketing	91.87	9.20
		For Stucco Embossed, Add	*0.55*	
		For Corrugated, Add	*1.38*	
22 07 19 00-0849	LF	24" ID, 0.040" Aluminum Insulation Jacketing	94.63	9.30
		For Stucco Embossed, Add	*0.57*	
		For Corrugated, Add	*1.44*	

22 07 19 00-0850 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0591)*

22 07 19 00-0851	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.96	3.60
22 07 19 00-0852	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.49	3.74
22 07 19 00-0853	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.06	3.88
22 07 19 00-0854	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.30	3.94
22 07 19 00-0855	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.55	4.01
22 07 19 00-0856	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.94	4.11
22 07 19 00-0857	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.58	4.21
22 07 19 00-0858	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.01	4.32
22 07 19 00-0859	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.17	4.39
22 07 19 00-0860	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.96	4.47
22 07 19 00-0861	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.35	4.59
22 07 19 00-0862	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.25	4.67
22 07 19 00-0863	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.59	4.76
22 07 19 00-0864	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.96	4.85
22 07 19 00-0865	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.96	4.95
22 07 19 00-0866	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	46.91	5.05
22 07 19 00-0867	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	54.10	5.20
22 07 19 00-0868	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	54.54	5.31
22 07 19 00-0869	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	50.34	5.48
22 07 19 00-0870	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	50.83	5.61
22 07 19 00-0871	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	57.41	5.80
22 07 19 00-0872	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	65.26	5.94
22 07 19 00-0873	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	65.54	6.01
22 07 19 00-0874	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	85.36	6.08
22 07 19 00-0875	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	70.13	6.16
22 07 19 00-0876	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	109.34	6.31
22 07 19 00-0877	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	109.98	6.47
22 07 19 00-0878	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	88.07	6.55
22 07 19 00-0879	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	88.43	6.64
22 07 19 00-0880	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	90.12	6.73
22 07 19 00-0881	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	90.48	6.82
22 07 19 00-0882	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	99.88	7.01
22 07 19 00-0883	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	100.27	7.10
22 07 19 00-0884	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	157.13	7.32
22 07 19 00-0885	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	157.57	7.43
22 07 19 00-0886	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	202.07	7.65
22 07 19 00-0887	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	210.82	7.89
22 07 19 00-0888	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	227.61	8.01
22 07 19 00-0889	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.02	4.01
22 07 19 00-0890	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.41	4.11
22 07 19 00-0891	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.39	4.21
22 07 19 00-0892	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.82	4.32
22 07 19 00-0893	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	33.02	4.39
22 07 19 00-0894	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.33	4.47
22 07 19 00-0895	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	34.08	4.59
22 07 19 00-0896	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	36.64	4.67
22 07 19 00-0897	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	36.98	4.76
22 07 19 00-0898	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	37.35	4.85
22 07 19 00-0899	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	40.86	4.95
22 07 19 00-0900	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.26	5.05
22 07 19 00-0901	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	42.90	5.20
22 07 19 00-0902	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	44.03	5.48
22 07 19 00-0903	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	53.72	5.80
22 07 19 00-0904	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	54.26	5.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0905	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	55.11	6.08
22 07 19 00-0906	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	55.40	6.16
22 07 19 00-0907	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	63.54	6.31
22 07 19 00-0908	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	64.18	6.47
22 07 19 00-0909	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	79.37	6.55
22 07 19 00-0910	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	79.73	6.64
22 07 19 00-0911	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	76.64	6.73
22 07 19 00-0912	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	77.00	6.82
22 07 19 00-0913	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	87.77	7.01
22 07 19 00-0914	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	88.16	7.10
22 07 19 00-0915	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	99.80	7.43
22 07 19 00-0916	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	116.61	7.65
22 07 19 00-0917	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	164.08	7.89
22 07 19 00-0918	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	175.73	8.01
22 07 19 00-0919	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	172.86	8.14
22 07 19 00-0920	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	193.13	8.27
22 07 19 00-0921	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	229.13	8.41
22 07 19 00-0922	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	223.27	8.55
22 07 19 00-0923	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	238.91	8.70
22 07 19 00-0924	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	105.33	5.74
22 07 19 00-0925	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	105.87	5.87
22 07 19 00-0926	EA	3" ID, Aluminum Tee Insulation Jacketing	117.11	6.01
22 07 19 00-0927	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	117.69	6.16
22 07 19 00-0928	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	122.78	6.31
22 07 19 00-0929	EA	4" ID, Aluminum Tee Insulation Jacketing	124.48	6.47
22 07 19 00-0930	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	130.85	6.64
22 07 19 00-0931	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	130.71	6.82
22 07 19 00-0932	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	131.47	7.01
22 07 19 00-0933	EA	5" ID, Aluminum Tee Insulation Jacketing	136.13	7.21
22 07 19 00-0934	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	136.98	7.43
22 07 19 00-0935	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	142.62	7.65
22 07 19 00-0936	EA	6" ID, Aluminum Tee Insulation Jacketing	143.58	7.89
22 07 19 00-0937	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	156.72	8.41
22 07 19 00-0938	EA	7" ID, Aluminum Tee Insulation Jacketing	157.88	8.70
22 07 19 00-0939	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	172.91	9.02
22 07 19 00-0940	EA	8" ID, Aluminum Tee Insulation Jacketing	174.24	9.35
22 07 19 00-0941	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	179.29	9.70
22 07 19 00-0942	EA	9" ID, Aluminum Tee Insulation Jacketing	180.84	10.09
22 07 19 00-0943	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	145.45	10.30
22 07 19 00-0944	EA	10" ID, Aluminum Tee Insulation Jacketing	146.30	10.52
22 07 19 00-0945	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	154.00	10.74
22 07 19 00-0946	EA	11" ID, Aluminum Tee Insulation Jacketing	154.94	10.97
22 07 19 00-0947	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	161.96	11.21
22 07 19 00-0948	EA	12" ID, Aluminum Tee Insulation Jacketing	162.98	11.47
22 07 19 00-0949	EA	13" ID, Aluminum Tee Insulation Jacketing	169.87	11.73
22 07 19 00-0950	EA	14" ID, Aluminum Tee Insulation Jacketing	177.02	12.02
22 07 19 00-0951	EA	15" ID, Aluminum Tee Insulation Jacketing	188.72	12.31
22 07 19 00-0952	EA	16" ID, Aluminum Tee Insulation Jacketing	193.44	12.62
22 07 19 00-0953	EA	17" ID, Aluminum Tee Insulation Jacketing	216.14	12.94
22 07 19 00-0954	EA	18" ID, Aluminum Tee Insulation Jacketing	223.90	13.28
22 07 19 00-0955	EA	19" ID, Aluminum Tee Insulation Jacketing	243.42	13.64
22 07 19 00-0956	EA	20" ID, Aluminum Tee Insulation Jacketing	249.05	14.02
22 07 19 00-0957	EA	22" ID, Aluminum Tee Insulation Jacketing	303.17	14.42
22 07 19 00-0958	EA	23" ID, Aluminum Tee Insulation Jacketing	311.69	14.84
22 07 19 00-0959	EA	24" ID, Aluminum Tee Insulation Jacketing	324.00	16.28
22 07 19 00-0960		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0590)*		
22 07 19 00-0961		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0960)*		
22 07 19 00-0962	SF	0.010" Stainless Steel Insulation Jacket With Bands	23.87	9.46
22 07 19 00-0963	SF	0.016" Stainless Steel Insulation Jacket With Bands	29.35	11.35
22 07 19 00-0964		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0960)*		
22 07 19 00-0965	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	12.24	2.02
22 07 19 00-0966	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	12.78	2.06
22 07 19 00-0967	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing	13.31	2.10
22 07 19 00-0968	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	13.88	2.14
22 07 19 00-0969	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	14.43	2.19
22 07 19 00-0970	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	15.00	2.24
22 07 19 00-0971	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing	15.57	2.29
22 07 19 00-0972	LF	4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	16.15	2.34
22 07 19 00-0973	LF	4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	16.74	2.41
22 07 19 00-0974	LF	5" ID, 0.010" Stainless Steel Insulation Jacketing	17.97	2.53
22 07 19 00-0975	LF	5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	19.24	2.66
22 07 19 00-0976	LF	6" ID, 0.010" Stainless Steel Insulation Jacketing	20.56	2.81
22 07 19 00-0977	LF	6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	21.62	2.89
22 07 19 00-0978	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing	22.71	2.97
22 07 19 00-0979	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	23.88	3.08
22 07 19 00-0980	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing	24.85	3.14
22 07 19 00-0981	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	25.83	3.19
22 07 19 00-0982	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing	26.82	3.26
22 07 19 00-0983	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	27.81	3.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0984	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing	28.82	3.39
22 07 19 00-0985	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	29.85	3.46
22 07 19 00-0986	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing	30.88	3.53
22 07 19 00-0987	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing	32.96	3.68
22 07 19 00-0988	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing	35.02	3.82
22 07 19 00-0989	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing	36.72	3.88
22 07 19 00-0990		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0960)*		
22 07 19 00-0991	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	16.78	2.69
22 07 19 00-0992	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	17.54	2.74
22 07 19 00-0993	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing	18.30	2.80
22 07 19 00-0994	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	19.08	2.86
22 07 19 00-0995	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	19.87	2.92
22 07 19 00-0996	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	20.66	2.98
22 07 19 00-0997	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing	21.48	3.05
22 07 19 00-0998	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	22.29	3.12
22 07 19 00-0999	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	23.12	3.20
22 07 19 00-1000	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing	24.84	3.36
22 07 19 00-1001	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	26.62	3.53
22 07 19 00-1002	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing	28.47	3.73
22 07 19 00-1003	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	29.97	3.83
22 07 19 00-1004	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing	31.51	3.94
22 07 19 00-1005	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	33.15	4.10
22 07 19 00-1006	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing	34.52	4.17
22 07 19 00-1007	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	35.92	4.25
22 07 19 00-1008	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing	37.32	4.33
22 07 19 00-1009	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	38.73	4.42
22 07 19 00-1010	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing	40.16	4.51
22 07 19 00-1011	LF	10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	41.62	4.60
22 07 19 00-1012	LF	11" ID, 0.0106 Stainless Steel Insulation Jacketing	43.08	4.69
22 07 19 00-1013	LF	12" ID, 0.016" Stainless Steel Insulation Jacketing	46.03	4.90
22 07 19 00-1014	LF	13" ID, 0.016" Stainless Steel Insulation Jacketing	48.93	5.08
22 07 19 00-1015	LF	14" ID, 0.016" Stainless Steel Insulation Jacketing	51.37	5.16
22 07 19 00-1016		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0960)*		
22 07 19 00-1017	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.42	4.01
22 07 19 00-1018	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.81	4.11
22 07 19 00-1019	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.07	4.21
22 07 19 00-1020	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.50	4.32
22 07 19 00-1021	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	37.77	4.39
22 07 19 00-1022	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	39.22	4.47
22 07 19 00-1023	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	41.84	4.59
22 07 19 00-1024	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	49.91	4.67
22 07 19 00-1025	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	50.25	4.76
22 07 19 00-1026	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	51.73	4.95
22 07 19 00-1027	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	68.41	5.20
22 07 19 00-1028	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	74.20	5.48
22 07 19 00-1029	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	95.14	5.80
22 07 19 00-1030	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	95.68	5.94
22 07 19 00-1031	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	108.31	6.08
22 07 19 00-1032	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	109.23	6.31
22 07 19 00-1033	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	112.08	6.31
22 07 19 00-1034	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	157.97	6.47
22 07 19 00-1035	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	156.00	6.55
22 07 19 00-1036	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	156.36	6.64
22 07 19 00-1037	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	182.21	6.73
22 07 19 00-1038	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	175.52	6.82
22 07 19 00-1039	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	196.73	7.10
22 07 19 00-1040	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	262.86	7.43
22 07 19 00-1041	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	265.32	7.65
22 07 19 00-1042	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	31.36	4.01
22 07 19 00-1043	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	31.75	4.11
22 07 19 00-1044	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.34	4.21
22 07 19 00-1045	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.77	4.32
22 07 19 00-1046	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	34.26	4.39
22 07 19 00-1047	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	34.57	4.47
22 07 19 00-1048	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	39.84	4.59
22 07 19 00-1049	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	48.85	4.67
22 07 19 00-1050	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	49.19	4.76
22 07 19 00-1051	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	49.56	4.85
22 07 19 00-1052	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	50.46	4.95
22 07 19 00-1053	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.48	5.20
22 07 19 00-1054	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	58.32	5.48
22 07 19 00-1055	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	59.59	5.80
22 07 19 00-1056	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	85.31	5.94
22 07 19 00-1057	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	87.15	6.08
22 07 19 00-1058	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	87.44	6.16
22 07 19 00-1059	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	98.76	6.31
22 07 19 00-1060	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	99.40	6.47
22 07 19 00-1061	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	112.52	6.55
22 07 19 00-1062	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	112.88	6.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1063	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	130.65	6.73
22 07 19 00-1064	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	131.01	6.82
22 07 19 00-1065	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	141.08	7.10
22 07 19 00-1066	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	162.25	7.43
22 07 19 00-1067		Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0590)*		
22 07 19 00-1068		20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1067)*		
22 07 19 00-1069	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.69	1.87
22 07 19 00-1070	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.38	1.94
22 07 19 00-1071	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.99	2.02
22 07 19 00-1072	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.73	2.10
22 07 19 00-1073	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.40	2.19
22 07 19 00-1074	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.15	2.29
22 07 19 00-1075	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.94	2.41
22 07 19 00-1076	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.72	2.53
22 07 19 00-1077	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.61	2.66
22 07 19 00-1078	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.54	2.81
22 07 19 00-1079	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.22	2.89
22 07 19 00-1080	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.86	2.97
22 07 19 00-1081	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.70	3.08
22 07 19 00-1082	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.23	3.14
22 07 19 00-1083	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.83	3.19
22 07 19 00-1084	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.42	3.26
22 07 19 00-1085	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.03	3.32
22 07 19 00-1086	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.61	3.39
22 07 19 00-1087	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.24	3.46
22 07 19 00-1088	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.88	3.53
22 07 19 00-1089	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	22.53	3.60
22 07 19 00-1090	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.15	3.68
22 07 19 00-1091	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.88	3.76
22 07 19 00-1092	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.42	3.82
22 07 19 00-1093	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.77	3.82
22 07 19 00-1094	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	25.36	3.88
22 07 19 00-1095	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	26.30	3.94
22 07 19 00-1096	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	27.21	4.01
22 07 19 00-1097	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	28.17	4.07
22 07 19 00-1098	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	29.14	4.14
22 07 19 00-1099	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	30.08	4.21
22 07 19 00-1100	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	31.07	4.28
22 07 19 00-1101	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	32.01	4.35
22 07 19 00-1102	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	33.03	4.43
22 07 19 00-1103	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	34.00	4.51
22 07 19 00-1104	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	35.04	4.59
22 07 19 00-1105	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	36.09	4.67
22 07 19 00-1106	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	37.08	4.76
22 07 19 00-1107	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	38.16	4.85
22 07 19 00-1108	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	39.19	4.95
22 07 19 00-1109	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	40.30	5.05
22 07 19 00-1110	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	41.41	5.15
22 07 19 00-1111		30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1067)*		
22 07 19 00-1112	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.14	1.94
22 07 19 00-1113	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.94	2.02
22 07 19 00-1114	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.84	2.10
22 07 19 00-1115	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.66	2.19
22 07 19 00-1116	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.56	2.29
22 07 19 00-1117	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.50	2.41
22 07 19 00-1118	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.48	2.53
22 07 19 00-1119	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.53	2.66
22 07 19 00-1120	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.61	2.81
22 07 19 00-1121	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.43	2.89
22 07 19 00-1122	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.28	2.97
22 07 19 00-1123	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.27	3.08
22 07 19 00-1124	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.01	3.14
22 07 19 00-1125	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.75	3.19
22 07 19 00-1126	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.49	3.26
22 07 19 00-1127	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.26	3.32
22 07 19 00-1128	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.03	3.39
22 07 19 00-1129	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.82	3.46
22 07 19 00-1130	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	25.61	3.53
22 07 19 00-1131	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	26.41	3.60
22 07 19 00-1132	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	27.23	3.68
22 07 19 00-1133	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.11	3.76
22 07 19 00-1134	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.86	3.82
22 07 19 00-1135	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	29.36	3.82
22 07 19 00-1136	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	30.09	3.88
22 07 19 00-1137	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	31.34	3.94
22 07 19 00-1138	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	32.60	4.01
22 07 19 00-1139	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	33.87	4.07
22 07 19 00-1140	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	35.19	4.14
22 07 19 00-1141	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	36.48	4.21
22 07 19 00-1142	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	37.77	4.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1143	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	39.07	4.35
22 07 19 00-1144	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	40.39	4.43
22 07 19 00-1145	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	41.71	4.51
22 07 19 00-1146	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	43.05	4.59
22 07 19 00-1147	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	44.45	4.67
22 07 19 00-1148	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	45.80	4.76
22 07 19 00-1149	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	47.18	4.85
22 07 19 00-1150	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	48.57	4.95
22 07 19 00-1151	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	49.97	5.05
22 07 19 00-1152	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	51.39	5.15
22 07 19 00-1153		Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-1067)*		
22 07 19 00-1154	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.72	3.74
22 07 19 00-1155	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.96	3.88
22 07 19 00-1156	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.60	3.94
22 07 19 00-1157	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.25	4.01
22 07 19 00-1158	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.00	4.11
22 07 19 00-1159	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.67	4.21
22 07 19 00-1160	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.89	4.35
22 07 19 00-1161	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.01	4.47
22 07 19 00-1162	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.12	4.59
22 07 19 00-1163	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	28.60	4.81
22 07 19 00-1164	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	31.13	5.05
22 07 19 00-1165	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	35.66	5.31
22 07 19 00-1166	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	46.47	5.61
22 07 19 00-1167	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	48.51	5.80
22 07 19 00-1168	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	55.45	5.94
22 07 19 00-1169	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	57.58	6.08
22 07 19 00-1170	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	68.03	6.31
22 07 19 00-1171	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	83.36	6.55
22 07 19 00-1172	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	91.08	6.82
22 07 19 00-1173	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	101.55	7.10
22 07 19 00-1174	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	122.02	7.43
22 07 19 00-1175	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	136.11	7.65
22 07 19 00-1176	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	144.93	7.89
22 07 19 00-1177	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	155.81	8.01
22 07 19 00-1178	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	169.89	8.14
22 07 19 00-1179	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	210.24	8.27
22 07 19 00-1180	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	274.14	8.41
22 07 19 00-1181	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	343.29	8.55
22 07 19 00-1182	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.72	3.74
22 07 19 00-1183	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.96	3.88
22 07 19 00-1184	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.60	3.94
22 07 19 00-1185	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.25	4.01
22 07 19 00-1186	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.00	4.11
22 07 19 00-1187	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.67	4.21
22 07 19 00-1188	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.89	4.35
22 07 19 00-1189	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.01	4.47
22 07 19 00-1190	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	26.12	4.59
22 07 19 00-1191	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	28.60	4.81
22 07 19 00-1192	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	31.13	5.05
22 07 19 00-1193	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	35.66	5.31
22 07 19 00-1194	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	46.47	5.61
22 07 19 00-1195	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	48.51	5.80
22 07 19 00-1196	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	55.45	5.94
22 07 19 00-1197	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	57.58	6.08
22 07 19 00-1198	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	68.03	6.31
22 07 19 00-1199	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	83.36	6.55
22 07 19 00-1200	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	91.03	6.82
22 07 19 00-1201	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	98.73	7.10
22 07 19 00-1202	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	108.16	7.43
22 07 19 00-1203	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	120.23	7.65
22 07 19 00-1204	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	127.75	7.89
22 07 19 00-1205	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	141.90	8.01
22 07 19 00-1206	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	156.28	8.14
22 07 19 00-1207	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	184.29	8.27
22 07 19 00-1208	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	239.87	8.41
22 07 19 00-1209	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	267.80	8.55
22 07 19 00-1210	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.27	5.25
22 07 19 00-1211	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	27.42	5.37
22 07 19 00-1212	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.63	5.54
22 07 19 00-1213	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.00	5.74
22 07 19 00-1214	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	31.51	5.94
22 07 19 00-1215	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	33.03	6.16
22 07 19 00-1216	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.23	6.39
22 07 19 00-1217	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.56	6.64
22 07 19 00-1218	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	40.65	6.91
22 07 19 00-1219	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	45.02	7.21
22 07 19 00-1220	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	49.58	7.54
22 07 19 00-1221	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	57.89	8.01
22 07 19 00-1222	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	67.62	8.41
22 07 19 00-1223	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	76.24	8.55
22 07 19 00-1224	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	103.34	8.86
22 07 19 00-1225	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	111.87	9.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1226	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	129.43	9.70
22 07 19 00-1227	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	147.21	10.09
22 07 19 00-1228	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	150.15	10.52
22 07 19 00-1229	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	163.04	10.74
22 07 19 00-1230	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	175.98	10.97
22 07 19 00-1231	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	189.04	11.21
22 07 19 00-1232	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	202.01	11.47
22 07 19 00-1233	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	215.11	11.73
22 07 19 00-1234	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	228.12	12.02
22 07 19 00-1235	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	247.45	12.31
22 07 19 00-1236	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	266.72	12.62
22 07 19 00-1237	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	290.03	12.94
22 07 19 00-1238	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.34	3.60
22 07 19 00-1239	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.34	3.60
22 07 19 00-1240	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	42.72	3.74
22 07 19 00-1241	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	42.72	3.74
22 07 19 00-1242	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	59.32	3.88
22 07 19 00-1243	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	64.78	4.04
22 07 19 00-1244	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	71.31	4.21
22 07 19 00-1245	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	80.60	4.39
22 07 19 00-1246	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	88.61	4.59
22 07 19 00-1247	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	107.53	5.05
22 07 19 00-1248	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	151.44	5.61
22 07 19 00-1249	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	165.74	6.31
22 07 19 00-1250	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	206.68	6.73
22 07 19 00-1251	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	288.22	7.43
22 07 19 00-1252	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	290.04	7.77
22 07 19 00-1253	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	384.26	8.01
22 07 19 00-1254	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	517.51	8.27
22 07 19 00-1255	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.92	3.60
22 07 19 00-1256	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.92	3.60
22 07 19 00-1257	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	39.80	3.74
22 07 19 00-1258	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	39.80	3.74
22 07 19 00-1259	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	54.54	3.88
22 07 19 00-1260	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	59.44	4.04
22 07 19 00-1261	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	65.46	4.21
22 07 19 00-1262	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	68.85	4.39
22 07 19 00-1263	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	80.85	4.59
22 07 19 00-1264	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	97.90	5.05
22 07 19 00-1265	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	137.28	5.61
22 07 19 00-1266	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	150.22	6.31
22 07 19 00-1267	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	186.93	6.73
22 07 19 00-1268	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	259.95	7.43
22 07 19 00-1269	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	330.56	7.77
22 07 19 00-1270	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	394.89	8.01
22 07 19 00-1271	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	461.37	8.27
22 07 19 00-1272	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	50.28	5.42
22 07 19 00-1273	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	50.28	5.42
22 07 19 00-1274	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	58.51	5.61
22 07 19 00-1275	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	58.51	5.61
22 07 19 00-1276	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	80.11	5.80
22 07 19 00-1277	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	87.33	6.01
22 07 19 00-1278	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	96.05	6.31
22 07 19 00-1279	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	101.25	6.55
22 07 19 00-1280	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	119.27	6.91
22 07 19 00-1281	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	131.07	7.54
22 07 19 00-1282	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	182.97	8.41
22 07 19 00-1283	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	199.25	9.35
22 07 19 00-1284	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	274.11	10.09
22 07 19 00-1285	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	379.88	10.97
22 07 19 00-1286	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	452.78	11.73
22 07 19 00-1287	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	534.89	12.02
22 07 19 00-1288	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	585.55	12.31

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	21.05	4.78
		For ASTM 120, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*4.76*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	23.15	5.13
		For ASTM 120, Deduct	*-0.96*	
		For Work In Restricted Working Space, Add	*5.03*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.23*	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	26.36	5.62
		For ASTM 120, Deduct	*-1.26*	
		For Work In Restricted Working Space, Add	*5.38*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*7.38*	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	30.99	5.85
		For ASTM 120, Deduct	*-1.79*	
		For Work In Restricted Working Space, Add	*5.71*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.19*	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.40	6.93
		For ASTM 120, Deduct	*-2.03*	
		For Work In Restricted Working Space, Add	*5.96*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.07*	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.28	8.36
		For ASTM 120, Deduct	*-2.65*	
		For Work In Restricted Working Space, Add	*6.78*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*12.48*	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	57.09	9.91
		For ASTM 120, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*7.94*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*19.07*	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	70.97	13.26
		For ASTM 120, Deduct	*-5.84*	
		For Work In Restricted Working Space, Add	*9.62*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*23.92*	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	102.02	14.87
		For ASTM 120, Deduct	*-10.09*	
		For Work In Restricted Working Space, Add	*10.42*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*37.22*	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	179.69	19.01
		For ASTM 120, Deduct	*-20.66*	
		For Work In Restricted Working Space, Add	*12.59*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*70.37*	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	200.67	22.48
		For ASTM 120, Deduct	*-22.95*	
		For Work In Restricted Working Space, Add	*14.31*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*78.38*	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0015	LF	1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	10.29	4.78
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*2.17*	
		For Schedule 80 Pipe, Add	*2.19*	
22 11 16 00-0016	LF	3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	11.74	5.13
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*2.31*	
		For Schedule 80 Pipe, Add	*2.71*	
22 11 16 00-0017	LF	1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	14.33	5.62
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*2.51*	
		For Schedule 80 Pipe, Add	*3.71*	
22 11 16 00-0018	LF	1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	16.95	5.85
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*2.66*	
		For Schedule 80 Pipe, Add	*4.77*	
22 11 16 00-0019	LF	1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	20.08	6.93
		For ASTM 120, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*3.12*	
		For Schedule 80 Pipe, Add	*5.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0020	LF	2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	25.58	8.36
		For ASTM 120, Deduct	*-1.95*	
		For Work In Restricted Working Space, Add	*3.77*	
		For Schedule 80 Pipe, Add	*7.50*	
22 11 16 00-0021	LF	2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	35.56	9.91
		For ASTM 120, Deduct	*-3.09*	
		For Work In Restricted Working Space, Add	*4.48*	
		For Schedule 80 Pipe, Add	*11.40*	
22 11 16 00-0022	LF	3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	46.92	13.26
		For ASTM 120, Deduct	*-4.05*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Pipe, Add	*14.96*	
22 11 16 00-0023	LF	4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	60.82	14.87
		For ASTM 120, Deduct	*-5.77*	
		For Work In Restricted Working Space, Add	*6.71*	
		For Schedule 80 Pipe, Add	*20.69*	
22 11 16 00-0024	LF	5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	80.04	19.01
		For ASTM 120, Deduct	*-7.74*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Schedule 80 Pipe, Add	*27.60*	
22 11 16 00-0025	LF	6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	100.56	22.48
		For ASTM 120, Deduct	*-10.04*	
		For Work In Restricted Working Space, Add	*10.10*	
		For Schedule 80 Pipe, Add	*35.48*	
22 11 16 00-0026	LF	8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	112.94	27.17
		For ASTM 120, Deduct	*-10.84*	
		For Work In Restricted Working Space, Add	*12.20*	
		For Schedule 80 Pipe, Add	*38.76*	

22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0028	LF	1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	14.15	4.78
		For ASTM 120, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*2.17*	
		For Schedule 80 Pipe, Add	*4.04*	
22 11 16 00-0029	LF	3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	15.99	5.13
		For ASTM 120, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*2.31*	
		For Schedule 80 Pipe, Add	*4.75*	
22 11 16 00-0030	LF	1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	17.98	5.62
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*2.51*	
		For Schedule 80 Pipe, Add	*5.46*	
22 11 16 00-0031	LF	1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	20.94	5.85
		For ASTM 120, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*2.66*	
		For Schedule 80 Pipe, Add	*6.69*	
22 11 16 00-0032	LF	1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	24.20	6.93
		For ASTM 120, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*3.12*	
		For Schedule 80 Pipe, Add	*7.67*	
22 11 16 00-0033	LF	2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	28.30	8.36
		For ASTM 120, Deduct	*-2.36*	
		For Work In Restricted Working Space, Add	*3.77*	
		For Schedule 80 Pipe, Add	*8.81*	
22 11 16 00-0034	LF	2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	41.26	9.91
		For ASTM 120, Deduct	*-3.95*	
		For Work In Restricted Working Space, Add	*4.48*	
		For Schedule 80 Pipe, Add	*14.13*	
22 11 16 00-0035	LF	3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	52.10	13.26
		For ASTM 120, Deduct	*-4.83*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Pipe, Add	*17.44*	
22 11 16 00-0036	LF	4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	68.39	14.87
		For ASTM 120, Deduct	*-6.90*	
		For Work In Restricted Working Space, Add	*6.71*	
		For Schedule 80 Pipe, Add	*24.33*	
22 11 16 00-0037	LF	5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	88.53	19.01
		For ASTM 120, Deduct	*-9.01*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Schedule 80 Pipe, Add	*31.68*	
22 11 16 00-0038	LF	6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	110.50	22.48
		For ASTM 120, Deduct	*-11.53*	
		For Work In Restricted Working Space, Add	*10.10*	
		For Schedule 80 Pipe, Add	*40.25*	

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0040	EA	1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	35.62	21.26
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*9.56*	
		For 300 Lb. Rating, Add	*14.73*	
22 11 16 00-0041	EA	3/4", 150 LBLb., , Galvanized Malleable Iron 90 Degree Elbow	40.29	23.77
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*10.70*	
		For 300 Lb. Rating, Add	*17.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0042	EA	1", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	48.40	26.51
		For ASTM 120, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*11.94*	
		For 300 Lb. Rating, Add	*31.59*	
22 11 16 00-0043	EA	1-1/4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	58.65	30.10
		For ASTM 120, Deduct	*-2.04*	
		For Work In Restricted Working Space, Add	*13.52*	
		For 300 Lb. Rating, Add	*48.88*	
22 11 16 00-0044	EA	1-1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	68.54	33.92
		For ASTM 120, Deduct	*-2.66*	
		For Work In Restricted Working Space, Add	*15.25*	
		For 300 Lb. Rating, Add	*63.30*	
22 11 16 00-0045	EA	2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	93.58	43.12
		For ASTM 120, Deduct	*-4.35*	
		For Work In Restricted Working Space, Add	*19.37*	
		For 300 Lb. Rating, Add	*102.54*	
22 11 16 00-0046	EA	2-1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	171.49	63.78
		For ASTM 120, Deduct	*-11.39*	
		For Work In Restricted Working Space, Add	*28.67*	
		For 300 Lb. Rating, Add	*263.93*	
22 11 16 00-0047	EA	3", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	250.93	83.85
		For ASTM 120, Deduct	*-18.78*	
		For Work In Restricted Working Space, Add	*37.72*	
		For 300 Lb. Rating, Add	*433.22*	
22 11 16 00-0048	EA	4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	351.28	86.99
		For ASTM 120, Deduct	*-33.12*	
		For Work In Restricted Working Space, Add	*39.14*	
		For 300 Lb. Rating, Add	*758.65*	
22 11 16 00-0049	EA	5", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,089.77	90.79
		For ASTM 120, Deduct	*-143.05*	
		For Work In Restricted Working Space, Add	*40.84*	
		For 300 Lb. Rating, Add	*3,250.58*	
22 11 16 00-0050	EA	6", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,021.47	94.93
		For ASTM 120, Deduct	*-131.87*	
		For Work In Restricted Working Space, Add	*42.69*	
		For 300 Lb. Rating, Add	*2,997.68*	
22 11 16 00-0051	EA	8", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,209.37	99.20
		For ASTM 120, Deduct	*-159.10*	
		For Work In Restricted Working Space, Add	*44.62*	
		For 300 Lb. Rating, Add	*3,615.13*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0053	EA	3/4" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	41.82	22.46
		For ASTM 120, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*10.13*	
22 11 16 00-0054	EA	1" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	48.08	25.20
		For ASTM 120, Deduct	*-1.55*	
		For Work In Restricted Working Space, Add	*11.32*	
22 11 16 00-0055	EA	1" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	46.81	23.89
		For ASTM 120, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*10.75*	
22 11 16 00-0056	EA	1-1/4" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	59.80	28.30
		For ASTM 120, Deduct	*-2.60*	
		For Work In Restricted Working Space, Add	*12.73*	
22 11 16 00-0057	EA	1-1/4" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	61.21	26.88
		For ASTM 120, Deduct	*-3.13*	
		For Work In Restricted Working Space, Add	*12.11*	
22 11 16 00-0058	EA	1-1/4" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	60.55	25.68
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*11.54*	
22 11 16 00-0059	EA	1-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	75.68	32.01
		For ASTM 120, Deduct	*-4.16*	
		For Work In Restricted Working Space, Add	*14.38*	
22 11 16 00-0060	EA	1-1/2" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	73.06	30.22
		For ASTM 120, Deduct	*-4.16*	
		For Work In Restricted Working Space, Add	*13.60*	
22 11 16 00-0061	EA	1-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	70.98	28.79
		For ASTM 120, Deduct	*-4.16*	
		For Work In Restricted Working Space, Add	*12.97*	
22 11 16 00-0062	EA	2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	90.10	38.46
		For ASTM 120, Deduct	*-4.86*	
		For Work In Restricted Working Space, Add	*17.31*	
22 11 16 00-0063	EA	2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	91.96	36.55
		For ASTM 120, Deduct	*-5.57*	
		For Work In Restricted Working Space, Add	*16.44*	
22 11 16 00-0064	EA	2" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	90.73	34.76
		For ASTM 120, Deduct	*-5.78*	
		For Work In Restricted Working Space, Add	*15.65*	
22 11 16 00-0065	EA	2" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	79.35	33.44
		For ASTM 120, Deduct	*-4.39*	
		For Work In Restricted Working Space, Add	*15.03*	
22 11 16 00-0066	EA	2-1/2" x 2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	189.90	53.39
		For ASTM 120, Deduct	*-16.48*	
		For Work In Restricted Working Space, Add	*24.02*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	195.58	48.85
		For ASTM 120, Deduct	*-18.36*	
		For Work In Restricted Working Space, Add	*21.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0068	EA	3" x 2-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	310.28	73.81
		For ASTM 120, Deduct	*-29.95*	
		For Work In Restricted Working Space, Add	*33.19*	
22 11 16 00-0069	EA	3" x 2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	268.53	63.42
		For ASTM 120, Deduct	*-26.01*	
		For Work In Restricted Working Space, Add	*28.54*	
22 11 16 00-0070	EA	4" x 3", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	575.84	82.74
		For ASTM 120, Deduct	*-67.76*	
		For Work In Restricted Working Space, Add	*37.22*	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0072	EA	1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	36.55	21.26
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*9.56*	
		For 300 Lb. Rating, Add	*17.89*	
22 11 16 00-0073	EA	3/4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	42.40	23.77
		For ASTM 120, Deduct	*-1.01*	
		For Work In Restricted Working Space, Add	*10.70*	
		For 300 Lb. Rating, Add	*25.09*	
22 11 16 00-0074	EA	1", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	47.43	26.51
		For ASTM 120, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*11.94*	
		For 300 Lb. Rating, Add	*28.30*	
22 11 16 00-0075	EA	1-1/4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	59.32	30.10
		For ASTM 120, Deduct	*-2.14*	
		For Work In Restricted Working Space, Add	*13.52*	
		For 300 Lb. Rating, Add	*51.15*	
22 11 16 00-0076	EA	1-1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	67.55	33.92
		For ASTM 120, Deduct	*-2.51*	
		For Work In Restricted Working Space, Add	*15.25*	
		For 300 Lb. Rating, Add	*59.93*	
22 11 16 00-0077	EA	2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	89.32	43.12
		For ASTM 120, Deduct	*-3.71*	
		For Work In Restricted Working Space, Add	*19.37*	
		For 300 Lb. Rating, Add	*88.06*	
22 11 16 00-0078	EA	2-1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	181.70	63.78
		For ASTM 120, Deduct	*-12.92*	
		For Work In Restricted Working Space, Add	*28.67*	
		For 300 Lb. Rating, Add	*298.64*	
22 11 16 00-0079	EA	3", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	251.03	83.85
		For ASTM 120, Deduct	*-18.80*	
		For Work In Restricted Working Space, Add	*37.72*	
		For 300 Lb. Rating, Add	*433.56*	
22 11 16 00-0080	EA	4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	340.51	86.99
		For ASTM 120, Deduct	*-31.51*	
		For Work In Restricted Working Space, Add	*39.14*	
		For 300 Lb. Rating, Add	*722.03*	
22 11 16 00-0081	EA	5", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	984.94	90.79
		For ASTM 120, Deduct	*-127.32*	
		For Work In Restricted Working Space, Add	*40.84*	
		For 300 Lb. Rating, Add	*2,894.16*	
22 11 16 00-0082	EA	6", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,165.79	94.93
		For ASTM 120, Deduct	*-153.52*	
		For Work In Restricted Working Space, Add	*42.69*	
		For 300 Lb. Rating, Add	*3,488.37*	
22 11 16 00-0083	EA	8", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,381.71	99.20
		For ASTM 120, Deduct	*-184.95*	
		For Work In Restricted Working Space, Add	*44.62*	
		For 300 Lb. Rating, Add	*4,201.09*	

22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0085	EA	1/2", 150 Lb., Galvanized Malleable Iron Tee	44.70	26.51
		For ASTM 120, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*11.94*	
		For 300 Lb. Rating, Add	*19.01*	
22 11 16 00-0086	EA	3/4", 150 Lb., Galvanized Malleable Iron Tee	54.01	30.70
		For ASTM 120, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*13.78*	
		For 300 Lb. Rating, Add	*30.19*	
22 11 16 00-0087	EA	1", 150 Lb., Galvanized Malleable Iron Tee	67.33	36.19
		For ASTM 120, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*16.29*	
		For 300 Lb. Rating, Add	*47.59*	
22 11 16 00-0088	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Tee	85.26	43.12
		For ASTM 120, Deduct	*-3.11*	
		For Work In Restricted Working Space, Add	*19.37*	
		For 300 Lb. Rating, Add	*74.25*	
22 11 16 00-0089	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Tee	102.78	51.36
		For ASTM 120, Deduct	*-3.86*	
		For Work In Restricted Working Space, Add	*23.12*	
		For 300 Lb. Rating, Add	*92.07*	
22 11 16 00-0090	EA	2", 150 Lb., Galvanized Malleable Iron Tee	137.36	63.78
		For ASTM 120, Deduct	*-6.27*	
		For Work In Restricted Working Space, Add	*28.67*	
		For 300 Lb. Rating, Add	*147.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0091	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Tee	221.58	69.27
		For ASTM 120, Deduct	*-17.66*	
		For Work In Restricted Working Space, Add	*31.16*	
		For 300 Lb. Rating, Add	*406.48*	
22 11 16 00-0092	EA	3", 150 Lb., Galvanized Malleable Iron Tee	263.78	83.85
		For ASTM 120, Deduct	*-20.71*	
		For Work In Restricted Working Space, Add	*37.72*	
		For 300 Lb. Rating, Add	*476.91*	
22 11 16 00-0093	EA	4", 150 Lb., Galvanized Malleable Iron Tee	491.37	109.92
		For ASTM 120, Deduct	*-48.99*	
		For Work In Restricted Working Space, Add	*49.44*	
		For 300 Lb. Rating, Add	*1,120.26*	
22 11 16 00-0094	EA	5", 150 Lb., Galvanized Malleable Iron Tee	1,222.25	130.49
		For ASTM 120, Deduct	*-153.99*	
		For Work In Restricted Working Space, Add	*58.70*	
		For 300 Lb. Rating, Add	*3,502.08*	
22 11 16 00-0095	EA	6", 150 Lb., Galvanized Malleable Iron Tee	1,388.01	149.16
		For ASTM 120, Deduct	*-174.66*	
		For Work In Restricted Working Space, Add	*67.09*	
		For 300 Lb. Rating, Add	*3,972.28*	
22 11 16 00-0096	EA	8", 150 Lb., Galvanized Malleable Iron Tee	1,651.85	177.12
		For ASTM 120, Deduct	*-207.52*	
		For Work In Restricted Working Space, Add	*80.51*	
		For 300 Lb. Rating, Add	*4,719.93*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee	51.18	26.51
		For ASTM 120, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*11.94*	
		For 300 Lb. Rating, Add	*41.05*	
22 11 16 00-0099	EA	3/4", 150 Lb., Galvanized Malleable Iron Reducing Tee	57.15	30.70
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*13.78*	
		For 300 Lb. Rating, Add	*40.87*	
22 11 16 00-0100	EA	1", 150 Lb., Galvanized Malleable Iron Reducing Tee	70.04	36.19
		For ASTM 120, Deduct	*-2.36*	
		For Work In Restricted Working Space, Add	*16.29*	
		For 300 Lb. Rating, Add	*56.81*	
22 11 16 00-0101	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Reducing Tee	88.99	43.12
		For ASTM 120, Deduct	*-3.66*	
		For Work In Restricted Working Space, Add	*19.37*	
		For 300 Lb. Rating, Add	*86.94*	
22 11 16 00-0102	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee	107.23	51.36
		For ASTM 120, Deduct	*-4.53*	
		For Work In Restricted Working Space, Add	*23.12*	
		For 300 Lb. Rating, Add	*107.20*	
22 11 16 00-0103	EA	2", 150 Lb., Galvanized Malleable Iron Reducing Tee	139.60	63.78
		For ASTM 120, Deduct	*-6.61*	
		For Work In Restricted Working Space, Add	*28.67*	
		For 300 Lb. Rating, Add	*155.50*	
22 11 16 00-0104	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee	259.78	69.51
		For ASTM 120, Deduct	*-23.34*	
		For Work In Restricted Working Space, Add	*31.26*	
		For 300 Lb. Rating, Add	*535.26*	
22 11 16 00-0105	EA	3", 150 Lb., Galvanized Malleable Iron Reducing Tee	329.50	85.16
		For ASTM 120, Deduct	*-30.27*	
		For Work In Restricted Working Space, Add	*38.31*	
		For 300 Lb. Rating, Add	*693.75*	
22 11 16 00-0106	EA	4", 150 Lb., Galvanized Malleable Iron Reducing Tee	749.75	109.92
		For ASTM 120, Deduct	*-87.74*	
		For Work In Restricted Working Space, Add	*49.44*	
		For 300 Lb. Rating, Add	*1,998.75*	
22 11 16 00-0107	EA	5", 150 Lb., Galvanized Malleable Iron Reducing Tee	1,552.31	130.49
		For ASTM 120, Deduct	*-203.49*	
		For Work In Restricted Working Space, Add	*58.70*	
		For 300 Lb. Rating, Add	*4,624.28*	
22 11 16 00-0108	EA	6", 150 Lb., Galvanized Malleable Iron Reducing Tee	1,762.57	149.16
		For ASTM 120, Deduct	*-230.84*	
		For Work In Restricted Working Space, Add	*67.09*	
		For 300 Lb. Rating, Add	*5,245.78*	
22 11 16 00-0109	EA	8", 150 Lb., Galvanized Malleable Iron Reducing Tee	2,112.73	171.29
		For ASTM 120, Deduct	*-278.33*	
		For Work In Restricted Working Space, Add	*77.15*	
		For 300 Lb. Rating, Add	*6,324.30*	

22 11 16 00-0110 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0111	EA	1/2", 150 Lb., Galvanized Malleable Iron Coupling	41.09	21.26
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*9.56*	
		For 300 Lb. Rating, Add	*33.33*	
22 11 16 00-0112	EA	3/4", 150 Lb., Galvanized Malleable Iron Coupling	46.30	23.77
		For ASTM 120, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*10.70*	
		For 300 Lb. Rating, Add	*38.35*	
22 11 16 00-0113	EA	1", 150 Lb., Galvanized Malleable Iron Coupling	57.26	26.51
		For ASTM 120, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*11.94*	
		For 300 Lb. Rating, Add	*61.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0114	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Coupling	69.69	30.10
		For ASTM 120, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*13.52*	
		For 300 Lb. Rating, Add	*86.41*	
22 11 16 00-0115	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Coupling	78.80	33.92
		For ASTM 120, Deduct	*-4.20*	
		For Work In Restricted Working Space, Add	*15.25*	
		For 300 Lb. Rating, Add	*98.18*	
22 11 16 00-0116	EA	2", 150 Lb., Galvanized Malleable Iron Coupling	105.47	43.12
		For ASTM 120, Deduct	*-6.14*	
		For Work In Restricted Working Space, Add	*19.37*	
		For 300 Lb. Rating, Add	*142.97*	
22 11 16 00-0117	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Coupling	220.78	63.78
		For ASTM 120, Deduct	*-18.78*	
		For Work In Restricted Working Space, Add	*28.67*	
		For 300 Lb. Rating, Add	*431.52*	
22 11 16 00-0118	EA	3", 150 Lb., Galvanized Malleable Iron Coupling	293.11	83.85
		For ASTM 120, Deduct	*-25.11*	
		For Work In Restricted Working Space, Add	*37.72*	
		For 300 Lb. Rating, Add	*576.64*	
22 11 16 00-0119	EA	4", 150 Lb., Galvanized Malleable Iron Coupling	485.93	86.99
		For ASTM 120, Deduct	*-53.32*	
		For Work In Restricted Working Space, Add	*39.14*	
		For 300 Lb. Rating, Add	*1,216.46*	
22 11 16 00-0120	EA	5", 150 Lb., Galvanized Malleable Iron Coupling	1,137.06	90.79
		For ASTM 120, Deduct	*-150.14*	
		For Work In Restricted Working Space, Add	*40.84*	
		For 300 Lb. Rating, Add	*3,411.36*	
22 11 16 00-0121	EA	6", 150 Lb., Galvanized Malleable Iron Coupling	1,282.65	94.93
		For ASTM 120, Deduct	*-171.05*	
		For Work In Restricted Working Space, Add	*42.69*	
		For 300 Lb. Rating, Add	*3,885.69*	
22 11 16 00-0122	EA	8", 150 Lb., Galvanized Malleable Iron Coupling	1,523.07	99.20
		For ASTM 120, Deduct	*-206.15*	
		For Work In Restricted Working Space, Add	*44.62*	
		For 300 Lb. Rating, Add	*4,681.71*	

22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0124	EA	1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	43.06	21.26
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*9.56*	
		For 300 Lb. Rating, Add	*40.03*	
22 11 16 00-0125	EA	3/4", 150 Lb., Galvanized Malleable Iron Reducing Coupling	47.64	23.77
		For ASTM 120, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*10.70*	
		For 300 Lb. Rating, Add	*42.91*	
22 11 16 00-0126	EA	1", 150 Lb., Galvanized Malleable Iron Reducing Coupling	59.79	26.51
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*11.94*	
		For 300 Lb. Rating, Add	*70.32*	
22 11 16 00-0127	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Reducing Coupling	70.90	30.10
		For ASTM 120, Deduct	*-3.87*	
		For Work In Restricted Working Space, Add	*13.52*	
		For 300 Lb. Rating, Add	*90.53*	
22 11 16 00-0128	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	84.14	33.92
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*15.25*	
		For 300 Lb. Rating, Add	*116.34*	
22 11 16 00-0129	EA	2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	110.01	43.12
		For ASTM 120, Deduct	*-6.82*	
		For Work In Restricted Working Space, Add	*19.37*	
		For 300 Lb. Rating, Add	*158.40*	
22 11 16 00-0130	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	222.37	63.78
		For ASTM 120, Deduct	*-19.02*	
		For Work In Restricted Working Space, Add	*28.67*	
		For 300 Lb. Rating, Add	*436.92*	
22 11 16 00-0131	EA	3", 150 Lb., Galvanized Malleable Iron Reducing Coupling	288.36	83.85
		For ASTM 120, Deduct	*-24.39*	
		For Work In Restricted Working Space, Add	*37.72*	
		For 300 Lb. Rating, Add	*560.49*	
22 11 16 00-0132	EA	4", 150 Lb., Galvanized Malleable Iron Reducing Coupling	495.08	86.99
		For ASTM 120, Deduct	*-54.69*	
		For Work In Restricted Working Space, Add	*39.14*	
		For 300 Lb. Rating, Add	*1,247.57*	
22 11 16 00-0133	EA	5", 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,189.75	90.79
		For ASTM 120, Deduct	*-158.04*	
		For Work In Restricted Working Space, Add	*40.84*	
		For 300 Lb. Rating, Add	*3,590.51*	
22 11 16 00-0134	EA	6", 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,342.67	94.93
		For ASTM 120, Deduct	*-180.05*	
		For Work In Restricted Working Space, Add	*42.69*	
		For 300 Lb. Rating, Add	*4,089.76*	
22 11 16 00-0135	EA	8", 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,595.94	99.20
		For ASTM 120, Deduct	*-217.08*	
		For Work In Restricted Working Space, Add	*44.62*	
		For 300 Lb. Rating, Add	*4,929.47*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0137		EA	1/2", 150 Lb., Galvanized Malleable Iron Cap	17.02	9.91
			For ASTM 120, Deduct	*-0.31*	
			For Work In Restricted Working Space, Add	*4.48*	
			For 300 Lb. Rating, Add	*8.00*	
22 11 16 00-0138		EA	3/4", 150 Lb., Galvanized Malleable Iron Cap	18.81	10.63
			For ASTM 120, Deduct	*-0.43*	
			For Work In Restricted Working Space, Add	*4.78*	
			For 300 Lb. Rating, Add	*10.78*	
22 11 16 00-0139		EA	1", 150 Lb., Galvanized Malleable Iron Cap	21.97	12.30
			For ASTM 120, Deduct	*-0.54*	
			For Work In Restricted Working Space, Add	*5.51*	
			For 300 Lb. Rating, Add	*13.31*	
22 11 16 00-0140		EA	1-1/4", 150 Lb., Galvanized Malleable Iron Cap	23.99	12.90
			For ASTM 120, Deduct	*-0.71*	
			For Work In Restricted Working Space, Add	*5.78*	
			For 300 Lb. Rating, Add	*17.20*	
22 11 16 00-0141		EA	1-1/2", 150 Lb., Galvanized Malleable Iron Cap	23.69	12.90
			For ASTM 120, Deduct	*-0.66*	
			For Work In Restricted Working Space, Add	*5.78*	
			For 300 Lb. Rating, Add	*16.18*	
22 11 16 00-0142		EA	2", 150 Lb., Galvanized Malleable Iron Cap	35.15	17.08
			For ASTM 120, Deduct	*-1.42*	
			For Work In Restricted Working Space, Add	*7.71*	
			For 300 Lb. Rating, Add	*33.71*	
22 11 16 00-0143		EA	2-1/2", 150 Lb., Galvanized Malleable Iron Cap	53.08	21.26
			For ASTM 120, Deduct	*-3.18*	
			For Work In Restricted Working Space, Add	*9.56*	
			For 300 Lb. Rating, Add	*74.09*	
22 11 16 00-0144		EA	3", 150 Lb., Galvanized Malleable Iron Cap	68.76	25.68
			For ASTM 120, Deduct	*-4.53*	
			For Work In Restricted Working Space, Add	*11.56*	
			For 300 Lb. Rating, Add	*105.09*	
22 11 16 00-0145		EA	4", 150 Lb., Galvanized Malleable Iron Cap	101.24	29.85
			For ASTM 120, Deduct	*-8.48*	
			For Work In Restricted Working Space, Add	*13.42*	
			For 300 Lb. Rating, Add	*194.82*	
22 11 16 00-0146		EA	5", 150 Lb., Galvanized Malleable Iron Cap	243.52	37.35
			For ASTM 120, Deduct	*-28.14*	
			For Work In Restricted Working Space, Add	*16.77*	
			For 300 Lb. Rating, Add	*641.23*	
22 11 16 00-0147		EA	6", 150 Lb., Galvanized Malleable Iron Cap	303.05	44.39
			For ASTM 120, Deduct	*-35.47*	
			For Work In Restricted Working Space, Add	*19.98*	
			For 300 Lb. Rating, Add	*807.89*	
22 11 16 00-0148		EA	8", 150 Lb., Galvanized Malleable Iron Cap	380.78	49.60
			For ASTM 120, Deduct	*-45.96*	
			For Work In Restricted Working Space, Add	*22.31*	
			For 300 Lb. Rating, Add	*1,046.29*	

22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*

22 11 16 00-0150		EA	1/2", 150 Lb., Galvanized Malleable Iron Union	53.77	26.51
			For Work In Restricted Working Space, Add	*11.94*	
22 11 16 00-0151		EA	3/4", 150 Lb., Galvanized Malleable Iron Union	61.98	30.70
			For Work In Restricted Working Space, Add	*13.78*	
22 11 16 00-0152		EA	1", 150 Lb., Galvanized Malleable Iron Union	75.30	36.19
			For Work In Restricted Working Space, Add	*16.29*	
22 11 16 00-0153		EA	1-1/4", 150 Lb., Galvanized Malleable Iron Union	94.93	43.12
			For Work In Restricted Working Space, Add	*19.37*	
22 11 16 00-0154		EA	1-1/2", 150 Lb., Galvanized Malleable Iron Union	113.86	51.36
			For Work In Restricted Working Space, Add	*23.12*	
22 11 16 00-0155		EA	2", 150 Lb., Galvanized Malleable Iron Union	137.86	63.78
			For Work In Restricted Working Space, Add	*28.67*	
22 11 16 00-0156		EA	2-1/2", 150 Lb., Galvanized Malleable Iron Union	288.02	94.00
			For Work In Restricted Working Space, Add	*42.32*	
22 11 16 00-0157		EA	3", 150 Lb., Galvanized Malleable Iron Union	391.29	123.62
			For Work In Restricted Working Space, Add	*55.68*	
22 11 16 00-0158		EA	1/2", 250 Lb., Galvanized Malleable Iron Union	68.20	26.51
			For Work In Restricted Working Space, Add	*11.94*	
22 11 16 00-0159		EA	3/4", 250 Lb., Galvanized Malleable Iron Union	71.73	30.70
			For Work In Restricted Working Space, Add	*13.78*	
22 11 16 00-0160		EA	1", 250 Lb., Galvanized Malleable Iron Union	86.26	36.19
			For Work In Restricted Working Space, Add	*16.28*	
22 11 16 00-0161		EA	1-1/4", 250 Lb., Galvanized Malleable Iron Union	112.99	43.12
			For Work In Restricted Working Space, Add	*19.37*	
22 11 16 00-0162		EA	1-1/2", 250 Lb., Galvanized Malleable Iron Union	132.82	51.36
			For Work In Restricted Working Space, Add	*23.12*	
22 11 16 00-0163		EA	2", 250 Lb., Galvanized Malleable Iron Union	174.29	63.78
			For Work In Restricted Working Space, Add	*28.67*	
22 11 16 00-0164		EA	2-1/2", 250 Lb., Galvanized Malleable Iron Union	348.19	94.00
			For Work In Restricted Working Space, Add	*42.32*	
22 11 16 00-0165		EA	3", 250 Lb., Galvanized Malleable Iron Union	503.40	123.62
			For Work In Restricted Working Space, Add	*55.68*	
22 11 16 00-0166		EA	4", 250 Lb., Galvanized Malleable Iron Union	691.10	128.36
			For Work In Restricted Working Space, Add	*57.77*	
22 11 16 00-0167		EA	1/2", 300 Lb., Galvanized Malleable Iron Union	72.16	26.51
			For Work In Restricted Working Space, Add	*11.94*	
22 11 16 00-0168		EA	3/4", 300 Lb., Galvanized Malleable Iron Union	81.02	30.70
			For Work In Restricted Working Space, Add	*13.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0169	EA	1", 300 Lb., Galvanized Malleable Iron Union	100.82	36.19
		For Work In Restricted Working Space, Add	*16.28*	
22 11 16 00-0170	EA	1-1/4", 300 Lb., Galvanized Malleable Iron Union	129.45	43.12
		For Work In Restricted Working Space, Add	*19.37*	
22 11 16 00-0171	EA	1-1/2", 300 Lb., Galvanized Malleable Iron Union	155.19	51.36
		For Work In Restricted Working Space, Add	*23.12*	
22 11 16 00-0172	EA	2", 300 Lb., Galvanized Malleable Iron Union	189.33	63.78
		For Work In Restricted Working Space, Add	*28.67*	
22 11 16 00-0173	EA	2-1/2", 300 Lb., Galvanized Malleable Iron Union	402.65	94.00
		For Work In Restricted Working Space, Add	*42.32*	
22 11 16 00-0174	EA	3", 300 Lb., Galvanized Malleable Iron Union	628.01	123.62
		For Work In Restricted Working Space, Add	*55.68*	
22 11 16 00-0175	EA	4", 300 Lb., Galvanized Malleable Iron Union	1,302.16	128.36
		For Work In Restricted Working Space, Add	*57.77*	

22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0177	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple	20.19	11.34
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*3.57*	
22 11 16 00-0178	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple	19.59	11.34
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*2.88*	
22 11 16 00-0179	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple	20.13	11.34
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*3.50*	
22 11 16 00-0180	EA	1" x Close, Schedule 40 Galvanized Steel Nipple	22.59	12.30
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*4.80*	
22 11 16 00-0181	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	25.56	13.26
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*6.44*	
22 11 16 00-0182	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	26.54	13.26
		For ASTM 120, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*7.56*	
22 11 16 00-0183	EA	2" x Close, Schedule 40 Galvanized Steel Nipple	35.04	17.08
		For ASTM 120, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*10.66*	
22 11 16 00-0184	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	59.68	21.26
		For ASTM 120, Deduct	*-4.17*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*31.73*	
22 11 16 00-0185	EA	3" x Close, Schedule 40 Galvanized Steel Nipple	71.88	25.68
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Schedule 80 Nipples, Add	*38.02*	
22 11 16 00-0186	EA	4" x Close, Schedule 40 Galvanized Steel Nipple	94.71	29.85
		For ASTM 120, Deduct	*-7.50*	
		For Work In Restricted Working Space, Add	*13.42*	
		For Schedule 80 Nipples, Add	*56.98*	
22 11 16 00-0187	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.65	11.34
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*4.09*	
22 11 16 00-0188	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.72	11.34
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*3.03*	
22 11 16 00-0189	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.40	11.34
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*3.81*	
22 11 16 00-0190	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	20.65	11.34
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*4.09*	
22 11 16 00-0191	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	19.72	11.34
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*3.03*	
22 11 16 00-0192	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	20.40	11.34
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*3.81*	
22 11 16 00-0193	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple	23.35	12.30
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*5.67*	
22 11 16 00-0194	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	25.97	13.26
		For ASTM 120, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*6.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0195	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	27.03	13.26
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*8.12*	
22 11 16 00-0196	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.84	11.34
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*5.45*	
22 11 16 00-0197	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.19	11.34
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*3.57*	
22 11 16 00-0198	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.76	11.34
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*4.22*	
22 11 16 00-0199	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.76	12.30
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*6.13*	
22 11 16 00-0200	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.57	13.26
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*7.59*	
22 11 16 00-0201	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.85	13.26
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*9.05*	
22 11 16 00-0202	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	36.21	17.08
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*11.99*	
22 11 16 00-0203	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	21.84	11.34
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*5.45*	
22 11 16 00-0204	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	20.19	11.34
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*3.57*	
22 11 16 00-0205	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	20.76	11.34
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*4.22*	
22 11 16 00-0206	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple	23.76	12.30
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*6.13*	
22 11 16 00-0207	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	26.57	13.26
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*7.59*	
22 11 16 00-0208	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	27.85	13.26
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*9.05*	
22 11 16 00-0209	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple	36.21	17.08
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*11.99*	
22 11 16 00-0210	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	60.74	21.26
		For ASTM 120, Deduct	*-4.33*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*32.93*	
22 11 16 00-0211	EA	3" x 3" Long, Schedule 40 Galvanized Steel Nipple	76.47	25.68
		For ASTM 120, Deduct	*-5.69*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Schedule 80 Nipples, Add	*43.25*	
22 11 16 00-0212	EA	3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.74	11.34
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*6.48*	
22 11 16 00-0213	EA	1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.92	11.34
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*4.40*	
22 11 16 00-0214	EA	3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.84	11.34
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*5.45*	
22 11 16 00-0215	EA	1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.85	12.30
		For ASTM 120, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*7.38*	
22 11 16 00-0216	EA	1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.85	13.26
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*9.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0217	EA	1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	29.94	13.26
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*11.43*	
22 11 16 00-0218	EA	2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	38.46	17.08
		For ASTM 120, Deduct	*-1.92*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*14.56*	
22 11 16 00-0219	EA	2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	65.39	21.26
		For ASTM 120, Deduct	*-5.03*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*38.24*	
22 11 16 00-0220	EA	3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	83.05	25.68
		For ASTM 120, Deduct	*-6.68*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Schedule 80 Nipples, Add	*50.75*	
22 11 16 00-0221	EA	3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	22.74	11.34
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*6.48*	
22 11 16 00-0222	EA	1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	20.92	11.34
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*4.40*	
22 11 16 00-0223	EA	3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	22.74	11.34
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*6.48*	
22 11 16 00-0224	EA	1" x 4" Long, Schedule 40 Galvanized Steel Nipple	24.85	12.30
		For ASTM 120, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*7.38*	
22 11 16 00-0225	EA	1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	27.85	13.26
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*9.05*	
22 11 16 00-0226	EA	1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	29.94	13.26
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*11.43*	
22 11 16 00-0227	EA	2" x 4" Long, Schedule 40 Galvanized Steel Nipple	38.57	17.08
		For ASTM 120, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*14.68*	
22 11 16 00-0228	EA	2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	65.39	21.26
		For ASTM 120, Deduct	*-5.03*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*38.24*	
22 11 16 00-0229	EA	3" x 4" Long, Schedule 40 Galvanized Steel Nipple	83.05	25.68
		For ASTM 120, Deduct	*-6.68*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Schedule 80 Nipples, Add	*50.75*	
22 11 16 00-0230	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple	104.49	29.85
		For ASTM 120, Deduct	*-8.96*	
		For Work In Restricted Working Space, Add	*13.42*	
		For Schedule 80 Nipples, Add	*68.13*	
22 11 16 00-0231	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.89	11.34
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*8.93*	
22 11 16 00-0232	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.71	11.34
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*5.30*	
22 11 16 00-0233	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.77	11.34
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*6.51*	
22 11 16 00-0234	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.32	12.30
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*9.05*	
22 11 16 00-0235	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	29.72	13.26
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*11.18*	
22 11 16 00-0236	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	32.03	13.26
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*13.82*	
22 11 16 00-0237	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	42.00	17.08
		For ASTM 120, Deduct	*-2.45*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*18.59*	
22 11 16 00-0238	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	69.25	21.26
		For ASTM 120, Deduct	*-5.61*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*42.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0239	EA	3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	90.41	25.68
		For ASTM 120, Deduct	*-7.78*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Schedule 80 Nipples, Add	*59.14*	
22 11 16 00-0240	EA	4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	111.75	29.85
		For ASTM 120, Deduct	*-10.05*	
		For Work In Restricted Working Space, Add	*13.42*	
		For Schedule 80 Nipples, Add	*76.40*	
22 11 16 00-0241	EA	3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	24.89	11.34
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*8.93*	
22 11 16 00-0242	EA	1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	21.71	11.34
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*5.30*	
22 11 16 00-0243	EA	3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	22.77	11.34
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*6.51*	
22 11 16 00-0244	EA	1" x 5" Long, Schedule 40 Galvanized Steel Nipple	26.32	12.30
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*9.05*	
22 11 16 00-0245	EA	1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	29.72	13.26
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*11.18*	
22 11 16 00-0246	EA	1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	32.03	13.26
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*13.82*	
22 11 16 00-0247	EA	2" x 5" Long, Schedule 40 Galvanized Steel Nipple	42.00	17.08
		For ASTM 120, Deduct	*-2.45*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*18.59*	
22 11 16 00-0248	EA	2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	69.25	21.26
		For ASTM 120, Deduct	*-5.61*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*42.64*	
22 11 16 00-0249	EA	3" x 5" Long, Schedule 40 Galvanized Steel Nipple	90.41	25.68
		For ASTM 120, Deduct	*-7.78*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Schedule 80 Nipples, Add	*59.14*	
22 11 16 00-0250	EA	4" x 5" Long, Schedule 40 Galvanized Steel Nipple	111.75	29.85
		For ASTM 120, Deduct	*-10.05*	
		For Work In Restricted Working Space, Add	*13.42*	
		For Schedule 80 Nipples, Add	*76.40*	
22 11 16 00-0251	EA	3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	25.76	11.34
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*9.92*	
22 11 16 00-0252	EA	1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	22.33	11.34
		For ASTM 120, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*6.01*	
22 11 16 00-0253	EA	3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	23.91	11.34
		For ASTM 120, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*7.81*	
22 11 16 00-0254	EA	1" x 6" Long, Schedule 40 Galvanized Steel Nipple	27.38	12.30
		For ASTM 120, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*10.26*	
22 11 16 00-0255	EA	1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	31.30	13.26
		For ASTM 120, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*12.98*	
22 11 16 00-0256	EA	1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	33.55	13.26
		For ASTM 120, Deduct	*-2.05*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*15.55*	
22 11 16 00-0257	EA	2" x 6" Long, Schedule 40 Galvanized Steel Nipple	44.63	17.08
		For ASTM 120, Deduct	*-2.84*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*21.59*	
22 11 16 00-0258	EA	2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	72.94	21.26
		For ASTM 120, Deduct	*-6.16*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*46.84*	
22 11 16 00-0259	EA	3" x 6" Long, Schedule 40 Galvanized Steel Nipple	93.40	25.68
		For ASTM 120, Deduct	*-8.23*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Schedule 80 Nipples, Add	*62.55*	
22 11 16 00-0260	EA	4" x 6" Long, Schedule 40 Galvanized Steel Nipple	118.81	29.85
		For ASTM 120, Deduct	*-11.11*	
		For Work In Restricted Working Space, Add	*13.42*	
		For Schedule 80 Nipples, Add	*84.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0261	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	51.82	11.34
		For ASTM 120, Deduct	*-5.21*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*39.63*	
22 11 16 00-0262	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	26.35	11.34
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*10.59*	
22 11 16 00-0263	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	28.94	11.34
		For ASTM 120, Deduct	*-1.78*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*13.54*	
22 11 16 00-0264	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple	33.44	12.30
		For ASTM 120, Deduct	*-2.26*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*17.17*	
22 11 16 00-0265	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	38.36	13.26
		For ASTM 120, Deduct	*-2.77*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*21.03*	
22 11 16 00-0266	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	41.08	13.26
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*24.13*	
22 11 16 00-0267	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple	56.56	17.08
		For ASTM 120, Deduct	*-4.63*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*35.19*	
22 11 16 00-0268	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	84.74	21.26
		For ASTM 120, Deduct	*-7.93*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*60.29*	
22 11 16 00-0269	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple	112.45	25.68
		For ASTM 120, Deduct	*-11.09*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Schedule 80 Nipples, Add	*84.27*	
22 11 16 00-0270	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple	133.14	29.85
		For ASTM 120, Deduct	*-13.26*	
		For Work In Restricted Working Space, Add	*13.42*	
		For Schedule 80 Nipples, Add	*100.79*	
22 11 16 00-0271	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	33.64	11.34
		For ASTM 120, Deduct	*-2.49*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*18.90*	
22 11 16 00-0272	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	28.09	11.34
		For ASTM 120, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*12.57*	
22 11 16 00-0273	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	30.24	11.34
		For ASTM 120, Deduct	*-1.98*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*15.03*	
22 11 16 00-0274	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	35.58	12.30
		For ASTM 120, Deduct	*-2.58*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*19.61*	
22 11 16 00-0275	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	41.98	13.26
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*25.16*	
22 11 16 00-0276	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	44.59	13.26
		For ASTM 120, Deduct	*-3.70*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*28.14*	
22 11 16 00-0277	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple	61.81	17.08
		For ASTM 120, Deduct	*-5.42*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*41.18*	
22 11 16 00-0278	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	92.13	21.26
		For ASTM 120, Deduct	*-9.04*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*68.72*	
22 11 16 00-0279	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple	122.86	25.68
		For ASTM 120, Deduct	*-12.65*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Schedule 80 Nipples, Add	*96.14*	
22 11 16 00-0280	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple	147.19	29.85
		For ASTM 120, Deduct	*-15.37*	
		For Work In Restricted Working Space, Add	*13.42*	
		For Schedule 80 Nipples, Add	*116.80*	
22 11 16 00-0281	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	35.43	11.34
		For ASTM 120, Deduct	*-2.76*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*20.94*	
22 11 16 00-0282	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	29.62	11.34
		For ASTM 120, Deduct	*-1.88*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*14.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0283	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	31.84	11.34
		For ASTM 120, Deduct	*-2.22*	
		For Work In Restricted Working Space, Add	*5.12*	
		For Schedule 80 Nipples, Add	*16.85*	
22 11 16 00-0284	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple	38.41	12.30
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*5.51*	
		For Schedule 80 Nipples, Add	*22.83*	
22 11 16 00-0285	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	46.41	13.26
		For ASTM 120, Deduct	*-3.98*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*30.21*	
22 11 16 00-0286	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	48.15	13.26
		For ASTM 120, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*5.97*	
		For Schedule 80 Nipples, Add	*32.19*	
22 11 16 00-0287	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple	67.13	17.08
		For ASTM 120, Deduct	*-6.22*	
		For Work In Restricted Working Space, Add	*7.71*	
		For Schedule 80 Nipples, Add	*47.24*	
22 11 16 00-0288	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	99.30	21.26
		For ASTM 120, Deduct	*-10.12*	
		For Work In Restricted Working Space, Add	*9.56*	
		For Schedule 80 Nipples, Add	*76.89*	
22 11 16 00-0289	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple	133.35	25.68
		For ASTM 120, Deduct	*-14.22*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Schedule 80 Nipples, Add	*108.09*	
22 11 16 00-0290	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple	161.37	29.85
		For ASTM 120, Deduct	*-17.50*	
		For Work In Restricted Working Space, Add	*13.42*	
		For Schedule 80 Nipples, Add	*132.97*	

22 11 16 00-0291 Galvanized Steel Dielectric Nipples With Polyethylene Liner *(22 11 16 00-0013)*

See CSI section 22 11 16 00-0837 for dielectric unions.

22 11 16 00-0292	EA	1/2" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	19.58	11.34
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0293	EA	1/2" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	19.96	11.34
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0294	EA	3/4" Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.30	11.34
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0295	EA	3/4" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.56	11.34
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0296	EA	3/4" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	22.87	11.34
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0297	EA	3/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.65	11.34
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0298	EA	1" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.19	12.30
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0299	EA	1" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.60	12.30
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0300	EA	1" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	29.91	12.30
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0301	EA	1-1/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	32.40	13.26
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0302	EA	1-1/2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	35.88	13.26
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0303	EA	2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	47.84	17.08
		For Work In Restricted Working Space, Add	*7.70*	
22 11 16 00-0304	EA	2-1/2" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	57.09	21.26
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0305	EA	3" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	89.35	25.68
		For Work In Restricted Working Space, Add	*11.57*	

22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0307	EA	1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	19.94	8.48
		For Work In Restricted Working Space, Add	*3.82*	
		For 300 Lb. Rating, Add	*25.24*	
22 11 16 00-0308	EA	3/4", 150 Lb., Galvanized Malleable Iron Square Head Plug	21.46	9.55
		For Work In Restricted Working Space, Add	*4.28*	
		For 300 Lb. Rating, Add	*25.34*	
22 11 16 00-0309	EA	1", 150 Lb., Galvanized Malleable Iron Square Head Plug	23.82	10.63
		For Work In Restricted Working Space, Add	*4.78*	
		For 300 Lb. Rating, Add	*27.82*	
22 11 16 00-0310	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Square Head Plug	30.17	12.06
		For Work In Restricted Working Space, Add	*5.41*	
		For 300 Lb. Rating, Add	*42.36*	
22 11 16 00-0311	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	36.69	13.50
		For Work In Restricted Working Space, Add	*6.10*	
		For 300 Lb. Rating, Add	*56.84*	
22 11 16 00-0312	EA	2", 150 Lb., Galvanized Malleable Iron Square Head Plug	46.62	17.20
		For Work In Restricted Working Space, Add	*7.75*	
		For 300 Lb. Rating, Add	*72.27*	
22 11 16 00-0313	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	78.79	25.44
		For Work In Restricted Working Space, Add	*11.47*	
		For 300 Lb. Rating, Add	*140.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0314	EA	3", 150 Lb., Galvanized Malleable Iron Square Head Plug	107.86	33.56
		For Work In Restricted Working Space, Add	*15.09*	
		For 300 Lb. Rating, Add	*198.72*	
22 11 16 00-0315	EA	4", 150 Lb., Galvanized Malleable Iron Square Head Plug	171.67	34.77
		For Work In Restricted Working Space, Add	*15.65*	
		For 300 Lb. Rating, Add	*409.40*	
22 11 16 00-0316	EA	5", 150 Lb., Galvanized Malleable Iron Square Head Plug	273.69	36.34
		For Work In Restricted Working Space, Add	*16.34*	
		For 300 Lb. Rating, Add	*748.65*	
22 11 16 00-0317	EA	6", 150 Lb., Galvanized Malleable Iron Square Head Plug	293.94	37.90
		For Work In Restricted Working Space, Add	*17.08*	
		For 300 Lb. Rating, Add	*809.25*	

22 11 16 00-0318 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0319	EA	3/4" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	42.89	22.46
		For Work In Restricted Working Space, Add	*10.13*	
22 11 16 00-0320	EA	1" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	46.77	23.89
		For Work In Restricted Working Space, Add	*10.75*	
22 11 16 00-0321	EA	1" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	48.09	25.20
		For Work In Restricted Working Space, Add	*11.32*	
22 11 16 00-0322	EA	1-1/4" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	53.77	25.68
		For Work In Restricted Working Space, Add	*11.54*	
22 11 16 00-0323	EA	1-1/4" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	54.28	26.88
		For Work In Restricted Working Space, Add	*12.11*	
22 11 16 00-0324	EA	1-1/4" x 1", 150 Lb., Galvanized Malleable Iron Bushing	56.36	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 11 16 00-0325	EA	1-1/2" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	61.57	27.59
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0326	EA	1-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	63.47	28.79
		For Work In Restricted Working Space, Add	*12.97*	
22 11 16 00-0327	EA	1-1/2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	63.56	30.22
		For Work In Restricted Working Space, Add	*13.60*	
22 11 16 00-0328	EA	1-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	64.77	32.01
		For Work In Restricted Working Space, Add	*14.38*	
22 11 16 00-0329	EA	2" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	73.48	32.13
		For Work In Restricted Working Space, Add	*14.46*	
22 11 16 00-0330	EA	2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	73.62	33.44
		For Work In Restricted Working Space, Add	*15.03*	
22 11 16 00-0331	EA	2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	74.41	34.76
		For Work In Restricted Working Space, Add	*15.65*	
22 11 16 00-0332	EA	2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	77.04	36.55
		For Work In Restricted Working Space, Add	*16.44*	
22 11 16 00-0333	EA	2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	77.19	38.46
		For Work In Restricted Working Space, Add	*17.31*	
22 11 16 00-0334	EA	2-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	102.17	43.72
		For Work In Restricted Working Space, Add	*19.68*	
22 11 16 00-0335	EA	2-1/2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	104.24	45.15
		For Work In Restricted Working Space, Add	*20.30*	
22 11 16 00-0336	EA	2-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	106.88	46.82
		For Work In Restricted Working Space, Add	*21.10*	
22 11 16 00-0337	EA	2-1/2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	109.09	48.85
		For Work In Restricted Working Space, Add	*21.96*	
22 11 16 00-0338	EA	2-1/2" x 2", 150 Lb., Galvanized Malleable Iron Bushing	111.86	53.39
		For Work In Restricted Working Space, Add	*24.02*	
22 11 16 00-0339	EA	3" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	128.96	53.75
		For Work In Restricted Working Space, Add	*24.21*	
22 11 16 00-0340	EA	3" x 1", 150 Lb., Galvanized Malleable Iron Bushing	131.03	55.18
		For Work In Restricted Working Space, Add	*24.83*	
22 11 16 00-0341	EA	3" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	133.66	56.97
		For Work In Restricted Working Space, Add	*25.62*	
22 11 16 00-0342	EA	3" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	135.60	58.88
		For Work In Restricted Working Space, Add	*26.48*	
22 11 16 00-0343	EA	3" x 2", 150 Lb., Galvanized Malleable Iron Bushing	138.04	63.42
		For Work In Restricted Working Space, Add	*28.54*	
22 11 16 00-0344	EA	3" x 2-1/2", 150 Lb., Galvanized Malleable Iron Bushing	156.03	73.81
		For Work In Restricted Working Space, Add	*33.19*	
22 11 16 00-0345	EA	4" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	183.08	54.57
		For Work In Restricted Working Space, Add	*24.58*	
22 11 16 00-0346	EA	4" x 1", 150 Lb., Galvanized Malleable Iron Bushing	185.02	55.91
		For Work In Restricted Working Space, Add	*25.16*	
22 11 16 00-0347	EA	4" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	187.48	57.58
		For Work In Restricted Working Space, Add	*25.90*	
22 11 16 00-0348	EA	4" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	190.18	59.38
		For Work In Restricted Working Space, Add	*26.71*	
22 11 16 00-0349	EA	4" x 2", 150 Lb., Galvanized Malleable Iron Bushing	184.69	63.63
		For Work In Restricted Working Space, Add	*28.64*	
22 11 16 00-0350	EA	4" x 2-1/2", 150 Lb., Galvanized Malleable Iron Bushing	211.11	73.35
		For Work In Restricted Working Space, Add	*32.99*	
22 11 16 00-0351	EA	4" x 3", 150 Lb., Galvanized Malleable Iron Bushing	218.55	82.74
		For Work In Restricted Working Space, Add	*37.22*	

22 11 16 00-0352 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.

22 11 16 00-0353	EA	1/2", 150 Lb., Galvanized Malleable Iron Floor Flange	73.68	43.65
22 11 16 00-0354	EA	3/4", 150 Lb., Galvanized Malleable Iron Floor Flange	80.55	47.77
22 11 16 00-0355	EA	1", 150 Lb., Galvanized Malleable Iron Floor Flange	92.51	53.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0356	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Floor Flange	96.15	55.90
22 11 16 00-0357	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Floor Flange	104.65	60.80
22 11 16 00-0358	EA	2", 150 Lb., Galvanized Malleable Iron Floor Flange	112.71	63.42

22 11 16 00-0359 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0360	EA	3/4", 125 Lb., Galvanized Cast Iron Flange	140.94	47.77
		For Work In Restricted Working Space, Add	*21.50*	
22 11 16 00-0361	EA	1", 125 Lb., Galvanized Cast Iron Flange	134.61	53.98
		For Work In Restricted Working Space, Add	*24.29*	
22 11 16 00-0362	EA	1-1/4", 125 Lb., Galvanized Cast Iron Flange	112.16	55.90
		For Work In Restricted Working Space, Add	*25.14*	
22 11 16 00-0363	EA	1-1/2", 125 Lb., Galvanized Cast Iron Flange	133.04	60.80
		For Work In Restricted Working Space, Add	*27.35*	
22 11 16 00-0364	EA	2", 125 Lb., Galvanized Cast Iron Flange	150.56	63.42
		For Work In Restricted Working Space, Add	*28.55*	
22 11 16 00-0365	EA	2-1/2", 125 Lb., Galvanized Cast Iron Flange	174.87	73.46
		For Work In Restricted Working Space, Add	*33.02*	
22 11 16 00-0366	EA	3", 125 Lb., Galvanized Cast Iron Flange	314.68	93.17
		For Work In Restricted Working Space, Add	*41.90*	
22 11 16 00-0367	EA	4", 125 Lb., Galvanized Cast Iron Flange	417.23	119.31
		For Work In Restricted Working Space, Add	*53.66*	
22 11 16 00-0368	EA	5", 125 Lb., Galvanized Cast Iron Flange	587.15	142.01
		For Work In Restricted Working Space, Add	*63.88*	
22 11 16 00-0369	EA	6", 125 Lb., Galvanized Cast Iron Flange	644.59	163.15
		For Work In Restricted Working Space, Add	*73.38*	
22 11 16 00-0370	EA	8", 125 Lb., Galvanized Cast Iron Flange	592.27	186.46
		For Work In Restricted Working Space, Add	*83.86*	

22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0372	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	38.92	
		For Work In Restricted Working Space, Add	*11.68*	
22 11 16 00-0373	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe	42.81	
		For Work In Restricted Working Space, Add	*12.84*	
22 11 16 00-0374	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe	46.70	
		For Work In Restricted Working Space, Add	*14.01*	
22 11 16 00-0375	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe	50.59	
		For Work In Restricted Working Space, Add	*15.18*	
22 11 16 00-0376	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	53.18	
		For Work In Restricted Working Space, Add	*15.95*	
22 11 16 00-0377	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe	55.78	
		For Work In Restricted Working Space, Add	*16.73*	
22 11 16 00-0378	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	58.38	
		For Work In Restricted Working Space, Add	*17.51*	
22 11 16 00-0379	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe	60.96	
		For Work In Restricted Working Space, Add	*18.29*	
22 11 16 00-0380	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe	63.56	
		For Work In Restricted Working Space, Add	*19.07*	
22 11 16 00-0381	EA	6", Cut And Thread Existing In Place Galvanized Steel Pipe	68.75	
		For Work In Restricted Working Space, Add	*20.63*	
22 11 16 00-0382	EA	8", Cut And Thread Existing In Place Galvanized Steel Pipe	73.93	
		For Work In Restricted Working Space, Add	*22.18*	

22 11 16 00-0383 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0914 for pipe with fittings assembly.

22 11 16 00-0384 Copper Tube/Pipe *(22 11 16 00-0383)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0385 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0386	LF	1/4" Hard Drawn Type L Copper Tube/Pipe	6.27	2.92
		For Up To 20, Add	*0.67*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.31*	
		For Medical/Oxygen Service Tubing, Add	*0.15*	
22 11 16 00-0387	LF	3/8" Hard Drawn Type L Copper Tube/Pipe	7.33	3.04
		For Up To 20, Add	*0.80*	
		For >200, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*1.37*	
		For Medical/Oxygen Service Tubing, Add	*0.22*	
22 11 16 00-0388	LF	1/2" Hard Drawn Type L Copper Tube/Pipe	8.05	3.17
		For Up To 20, Add	*0.89*	
		For >200, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*1.43*	
		For Medical/Oxygen Service Tubing, Add	*0.26*	
22 11 16 00-0389	LF	3/4" Hard Drawn Type L Copper Tube/Pipe	10.40	3.36
		For Up To 20, Add	*1.17*	
		For >200, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*1.51*	
		For Medical/Oxygen Service Tubing, Add	*0.43*	
22 11 16 00-0390	LF	1" Hard Drawn Type L Copper Tube/Pipe	13.42	3.77
		For Up To 20, Add	*1.54*	
		For >200, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*1.70*	
		For Medical/Oxygen Service Tubing, Add	*0.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0391	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe	19.10	5.61
		For Up To 20, Add	*2.18*	
		For >200, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*2.52*	
		For Medical/Oxygen Service Tubing, Add	*0.86*	
22 11 16 00-0392	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe	23.15	6.27
		For Up To 20, Add	*2.66*	
		For >200, Deduct	*-1.38*	
		For Work In Restricted Working Space, Add	*2.82*	
		For Medical/Oxygen Service Tubing, Add	*1.10*	
22 11 16 00-0393	LF	2" Hard Drawn Type L Copper Tube/Pipe	33.35	7.73
		For Up To 20, Add	*3.88*	
		For >200, Deduct	*-2.18*	
		For Work In Restricted Working Space, Add	*3.47*	
		For Medical/Oxygen Service Tubing, Add	*1.74*	
22 11 16 00-0394	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe	58.76	9.09
		For Up To 20, Add	*6.66*	
		For >200, Deduct	*-3.15*	
		For Work In Restricted Working Space, Add	*8.19*	
		For Medical/Oxygen Service Tubing, Add	*2.52*	
22 11 16 00-0395	LF	3" Hard Drawn Type L Copper Tube/Pipe	74.06	10.71
		For Up To 20, Add	*8.45*	
		For >200, Deduct	*-4.20*	
		For Work In Restricted Working Space, Add	*9.63*	
		For Medical/Oxygen Service Tubing, Add	*3.36*	
22 11 16 00-0396	LF	4" Hard Drawn Type L Copper Tube/Pipe	111.00	12.09
		For Up To 20, Add	*12.97*	
		For >200, Deduct	*-7.48*	
		For Work In Restricted Working Space, Add	*10.87*	
		For Medical/Oxygen Service Tubing, Add	*5.98*	
22 11 16 00-0397	LF	5" Hard Drawn Type L Copper Tube/Pipe	173.67	13.88
		For Up To 20, Add	*20.67*	
		For >200, Deduct	*-13.20*	
		For Work In Restricted Working Space, Add	*12.49*	
		For Medical/Oxygen Service Tubing, Add	*10.56*	
22 11 16 00-0398	LF	6" Hard Drawn Type L Copper Tube/Pipe	238.22	21.51
		For Up To 20, Add	*28.17*	
		For >200, Deduct	*-17.37*	
		For Work In Restricted Working Space, Add	*19.35*	
		For Medical/Oxygen Service Tubing, Add	*13.90*	
22 11 16 00-0399	LF	8" Hard Drawn Type L Copper Tube/Pipe	399.10	23.92
		For Up To 20, Add	*48.10*	
		For >200, Deduct	*-32.74*	
		For Work In Restricted Working Space, Add	*21.51*	
		For Medical/Oxygen Service Tubing, Add	*26.19*	

22 11 16 00-0400 Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0401	LF	1/4" Hard Drawn Type K Copper Tube/Pipe	6.83	3.14
		For Up To 20, Add	*0.74*	
		For >200, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*1.41*	
		For Medical/Oxygen Service Tubing, Add	*0.17*	
22 11 16 00-0402	LF	3/8" Hard Drawn Type K Copper Tube/Pipe	9.19	3.27
		For Up To 20, Add	*1.01*	
		For >200, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*1.61*	
		For Medical/Oxygen Service Tubing, Add	*0.31*	
22 11 16 00-0403	LF	1/2" Hard Drawn Type K Copper Tube/Pipe	9.73	3.40
		For Up To 20, Add	*1.09*	
		For >200, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*1.57*	
		For Medical/Oxygen Service Tubing, Add	*0.36*	
22 11 16 00-0404	LF	3/4" Hard Drawn Type K Copper Tube/Pipe	14.16	3.60
		For Up To 20, Add	*1.62*	
		For >200, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*1.82*	
		For Medical/Oxygen Service Tubing, Add	*0.65*	
22 11 16 00-0405	LF	1" Hard Drawn Type K Copper Tube/Pipe	17.21	4.06
		For Up To 20, Add	*1.99*	
		For >200, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*1.94*	
		For Medical/Oxygen Service Tubing, Add	*0.86*	
22 11 16 00-0406	LF	1-1/4" Hard Drawn Type K Copper Tube/Pipe	22.54	6.04
		For Up To 20, Add	*2.59*	
		For >200, Deduct	*-1.34*	
		For Work In Restricted Working Space, Add	*2.75*	
		For Medical/Oxygen Service Tubing, Add	*1.07*	
22 11 16 00-0407	LF	1-1/2" Hard Drawn Type K Copper Tube/Pipe	27.44	6.73
		For Up To 20, Add	*3.17*	
		For >200, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*3.09*	
		For Medical/Oxygen Service Tubing, Add	*1.37*	
22 11 16 00-0408	LF	2" Hard Drawn Type K Copper Tube/Pipe	38.97	8.31
		For Up To 20, Add	*4.56*	
		For >200, Deduct	*-2.64*	
		For Work In Restricted Working Space, Add	*3.78*	
		For Medical/Oxygen Service Tubing, Add	*2.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0409	LF	2-1/2" Hard Drawn Type K Copper Tube/Pipe	66.70	9.77
		For Up To 20, Add	*7.65*	
		For >200, Deduct	*-3.93*	
		For Work In Restricted Working Space, Add	*8.23*	
		For Medical/Oxygen Service Tubing, Add	*3.14*	
22 11 16 00-0410	LF	3" Hard Drawn Type K Copper Tube/Pipe	89.02	11.52
		For Up To 20, Add	*10.24*	
		For >200, Deduct	*-5.37*	
		For Work In Restricted Working Space, Add	*10.60*	
		For Medical/Oxygen Service Tubing, Add	*4.29*	
22 11 16 00-0411	LF	4" Hard Drawn Type K Copper Tube/Pipe	135.73	12.99
		For Up To 20, Add	*15.97*	
		For >200, Deduct	*-9.57*	
		For Work In Restricted Working Space, Add	*12.01*	
		For Medical/Oxygen Service Tubing, Add	*7.66*	
22 11 16 00-0412	LF	5" Hard Drawn Type K Copper Tube/Pipe	222.61	14.92
		For Up To 20, Add	*26.64*	
		For >200, Deduct	*-17.53*	
		For Work In Restricted Working Space, Add	*14.18*	
		For Medical/Oxygen Service Tubing, Add	*14.03*	
22 11 16 00-0413	LF	6" Hard Drawn Type K Copper Tube/Pipe	327.79	23.12
		For Up To 20, Add	*39.07*	
		For >200, Deduct	*-25.16*	
		For Work In Restricted Working Space, Add	*22.86*	
		For Medical/Oxygen Service Tubing, Add	*20.13*	
22 11 16 00-0414	LF	8" Hard Drawn Type K Copper Tube/Pipe	555.07	25.71
		For Up To 20, Add	*67.28*	
		For >200, Deduct	*-47.11*	
		For Work In Restricted Working Space, Add	*25.19*	
		For Medical/Oxygen Service Tubing, Add	*37.69*	

22 11 16 00-0415 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0416	LF	3/8" Hard Drawn Type M Copper Tube/Pipe	6.11	2.74
		For Up To 20, Add	*0.67*	
		For >200, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*1.19*	
22 11 16 00-0417	LF	1/2" Hard Drawn Type M Copper Tube/Pipe	6.50	2.86
		For Up To 20, Add	*0.71*	
		For >200, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.22*	
22 11 16 00-0418	LF	3/4" Hard Drawn Type M Copper Tube/Pipe	8.27	3.02
		For Up To 20, Add	*0.93*	
		For >200, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*1.30*	
22 11 16 00-0419	LF	1" Hard Drawn Type M Copper Tube/Pipe	10.90	3.40
		For Up To 20, Add	*1.24*	
		For >200, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*1.45*	
22 11 16 00-0420	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe	16.29	5.06
		For Up To 20, Add	*1.85*	
		For >200, Deduct	*-0.88*	
		For Work In Restricted Working Space, Add	*2.24*	
22 11 16 00-0421	LF	1-1/2" Hard Drawn Type M Copper Tube/Pipe	20.73	5.64
		For Up To 20, Add	*2.38*	
		For >200, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*2.57*	
22 11 16 00-0422	LF	2" Hard Drawn Type M Copper Tube/Pipe	29.77	6.95
		For Up To 20, Add	*3.46*	
		For >200, Deduct	*-1.92*	
		For Work In Restricted Working Space, Add	*3.19*	
22 11 16 00-0423	LF	2-1/2" Hard Drawn Type M Copper Tube/Pipe	53.59	8.18
		For Up To 20, Add	*6.05*	
		For >200, Deduct	*-2.78*	
		For Work In Restricted Working Space, Add	*7.74*	
22 11 16 00-0424	LF	3" Hard Drawn Type M Copper Tube/Pipe	65.94	9.64
		For Up To 20, Add	*7.52*	
		For >200, Deduct	*-3.70*	
		For Work In Restricted Working Space, Add	*8.69*	
22 11 16 00-0425	LF	4" Hard Drawn Type M Copper Tube/Pipe	103.02	10.88
		For Up To 20, Add	*12.03*	
		For >200, Deduct	*-6.92*	
		For Work In Restricted Working Space, Add	*10.14*	
22 11 16 00-0426	LF	5" Hard Drawn Type M Copper Tube/Pipe	173.39	12.49
		For Up To 20, Add	*20.70*	
		For >200, Deduct	*-13.44*	
		For Work In Restricted Working Space, Add	*11.71*	
22 11 16 00-0427	LF	6" Hard Drawn Type M Copper Tube/Pipe	239.95	19.36
		For Up To 20, Add	*28.48*	
		For >200, Deduct	*-17.95*	
		For Work In Restricted Working Space, Add	*18.14*	
22 11 16 00-0428	LF	8" Hard Drawn Type M Copper Tube/Pipe	406.63	21.52
		For Up To 20, Add	*49.17*	
		For >200, Deduct	*-34.01*	
		For Work In Restricted Working Space, Add	*19.95*	

22 11 16 00-0429 Soft Drawn Type L Copper Tube *(22 11 16 00-0384)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0430	LF	1/4" Soft Drawn Type L Copper Tube	6.81	2.92
		For Up To 20, Add	*0.74*	
		For >200, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.31*	
22 11 16 00-0431	LF	3/8" Soft Drawn Type L Copper Tube	8.35	3.04
		For Up To 20, Add	*0.93*	
		For >200, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0432	LF	1/2" Soft Drawn Type L Copper Tube	9.84	3.17
		For Up To 20, Add	*1.11*	
		For >200, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0433	LF	5/8" Soft Drawn Type L Copper Tube	11.43	3.27
		For Up To 20, Add	*1.31*	
		For >200, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*1.47*	
22 11 16 00-0434	LF	3/4" Soft Drawn Type L Copper Tube	12.83	3.36
		For Up To 20, Add	*1.48*	
		For >200, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*1.51*	
22 11 16 00-0435	LF	1" Soft Drawn Type L Copper Tube	16.45	3.77
		For Up To 20, Add	*1.91*	
		For >200, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*1.70*	
22 11 16 00-0436	LF	1-1/4" Soft Drawn Type L Copper Tube	22.61	5.61
		For Up To 20, Add	*2.62*	
		For >200, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*2.52*	
22 11 16 00-0437	LF	1-1/2" Soft Drawn Type L Copper Tube	28.64	6.27
		For Up To 20, Add	*3.35*	
		For >200, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*2.82*	
22 11 16 00-0438	LF	2" Soft Drawn Type L Copper Tube	42.19	7.73
		For Up To 20, Add	*4.98*	
		For >200, Deduct	*-3.06*	
		For Work In Restricted Working Space, Add	*3.47*	

22 11 16 00-0439 Soft Drawn Type K Copper Tube *(22 11 16 00-0384)*

22 11 16 00-0440	LF	1/4" Soft Drawn Type K Copper Tube	7.06	2.92
		For Up To 20, Add	*0.77*	
		For >200, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*1.31*	
22 11 16 00-0441	LF	3/8" Soft Drawn Type K Copper Tube	9.14	3.04
		For Up To 20, Add	*1.03*	
		For >200, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0442	LF	1/2" Soft Drawn Type K Copper Tube	10.49	3.17
		For Up To 20, Add	*1.19*	
		For >200, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0443	LF	5/8" Soft Drawn Type K Copper Tube	11.75	3.27
		For Up To 20, Add	*1.35*	
		For >200, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*1.47*	
22 11 16 00-0444	LF	3/4" Soft Drawn Type K Copper Tube	15.67	3.36
		For Up To 20, Add	*1.83*	
		For >200, Deduct	*-1.06*	
		For Work In Restricted Working Space, Add	*1.51*	
22 11 16 00-0445	LF	1" Soft Drawn Type K Copper Tube	19.77	3.77
		For Up To 20, Add	*2.33*	
		For >200, Deduct	*-1.41*	
		For Work In Restricted Working Space, Add	*1.70*	
22 11 16 00-0446	LF	1-1/4" Soft Drawn Type K Copper Tube	25.04	5.61
		For Up To 20, Add	*2.92*	
		For >200, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*2.52*	
22 11 16 00-0447	LF	1-1/2" Soft Drawn Type K Copper Tube	32.50	6.27
		For Up To 20, Add	*3.83*	
		For >200, Deduct	*-2.31*	
		For Work In Restricted Working Space, Add	*2.82*	
22 11 16 00-0448	LF	2" Soft Drawn Type K Copper Tube	47.50	7.73
		For Up To 20, Add	*5.65*	
		For >200, Deduct	*-3.59*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0449	LF	2-1/2" Soft Drawn Type K Copper Tube	67.77	9.28
		For Up To 20, Add	*8.12*	
		For >200, Deduct	*-5.39*	
		For Work In Restricted Working Space, Add	*4.17*	
22 11 16 00-0450	LF	3" Soft Drawn Type K Copper Tube	91.35	10.94
		For Up To 20, Add	*11.01*	
		For >200, Deduct	*-7.50*	
		For Work In Restricted Working Space, Add	*4.92*	

22 11 16 00-0451 Copper And Brass Fittings *(22 11 16 00-0383)*

Note: All fittings are based on 95/5 solder.

22 11 16 00-0452 90 Degree Copper Elbows *(22 11 16 00-0451)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0453	EA	1/4" 90 Degree Copper Elbow	29.09	17.31
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.89*	
		For Street Fitting, Add	*1.26*	
		For Work In Restricted Working Space, Add	*7.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.05*	
22 11 16 00-0454	EA	3/8" 90 Degree Copper Elbow	34.45	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.67*	
		For Street Fitting, Add	*1.33*	
		For Work In Restricted Working Space, Add	*9.34*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.84*	
22 11 16 00-0455	EA	1/2" 90 Degree Copper Elbow	43.89	28.53
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.42*	
		For Street Fitting, Add	*0.43*	
		For Work In Restricted Working Space, Add	*12.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.48*	
22 11 16 00-0456	EA	3/4" 90 Degree Copper Elbow	55.60	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.98*	
		For Street Fitting, Add	*0.97*	
		For Work In Restricted Working Space, Add	*15.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.10*	
22 11 16 00-0457	EA	1" 90 Degree Copper Elbow	69.48	42.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.53*	
		For Street Fitting, Add	*2.37*	
		For Work In Restricted Working Space, Add	*19.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.83*	
22 11 16 00-0458	EA	1-1/4" 90 Degree Copper Elbow	77.60	45.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.31*	
		For Street Fitting, Add	*3.54*	
		For Work In Restricted Working Space, Add	*20.63*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.76*	
22 11 16 00-0459	EA	1-1/2" 90 Degree Copper Elbow	89.08	50.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.29*	
		For Street Fitting, Add	*5.54*	
		For Work In Restricted Working Space, Add	*22.57*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.98*	
22 11 16 00-0460	EA	2" 90 Degree Copper Elbow	109.54	56.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.65*	
		For Street Fitting, Add	*10.09*	
		For Work In Restricted Working Space, Add	*25.29*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.91*	
22 11 16 00-0461	EA	2-1/2" 90 Degree Copper Elbow	134.90	57.33
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.90*	
		For Work In Restricted Working Space, Add	*25.80*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.35*	
22 11 16 00-0462	EA	3" 90 Degree Copper Elbow	171.68	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.41*	
		For Work In Restricted Working Space, Add	*30.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.86*	
22 11 16 00-0463	EA	4" 90 Degree Copper Elbow	313.03	97.23
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.86*	
		For Work In Restricted Working Space, Add	*43.72*	
		For Silver Solder Instead Of 95/5 Solder, Add	*30.22*	
22 11 16 00-0464	EA	5" 90 Degree Copper Elbow	900.39	133.06
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-54.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*29.92*	
		For Work In Restricted Working Space, Add	*59.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*64.97*	
22 11 16 00-0465	EA	6" 90 Degree Copper Elbow	1,224.63	193.62
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-75.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*43.54*	
		For Work In Restricted Working Space, Add	*87.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*90.26*	
22 11 16 00-0466	EA	8" 90 Degree Copper Elbow	3,843.75	258.12
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-211.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*58.05*	
		For Work In Restricted Working Space, Add	*116.10*	
		For Silver Solder Instead Of 95/5 Solder, Add	*230.89*	

22 11 16 00-0467 90 Degree Brass Elbows *(22 11 16 00-0451)*

22 11 16 00-0468	EA	1/2" Drop Ear 90 Degree Brass Elbow	49.56	28.53
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.42*	
		For Work In Restricted Working Space, Add	*12.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.76*	
22 11 16 00-0469	EA	3/4" Drop Ear 90 Degree Brass Elbow	72.88	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.98*	
		For Work In Restricted Working Space, Add	*15.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0470	EA	1/2" Flanged Sink 90 Degree Brass Elbow	55.12	28.53
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.42*	
		For Work In Restricted Working Space, Add	*12.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.04*	
22 11 16 00-0471	EA	3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	41.23	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.67*	
		For Work In Restricted Working Space, Add	*9.34*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.17*	
22 11 16 00-0472	EA	1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	50.04	28.53
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.42*	
		For Work In Restricted Working Space, Add	*12.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.78*	
22 11 16 00-0473	EA	3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	65.91	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.98*	
		For Work In Restricted Working Space, Add	*15.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.61*	
22 11 16 00-0474	EA	1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	104.21	42.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.53*	
		For Work In Restricted Working Space, Add	*19.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.57*	

22 11 16 00-0475 Reducing 90 Degree Copper Elbows *(22 11 16 00-0451)*

22 11 16 00-0476	EA	1/2" Reducing 90 Degree Copper Elbow	51.54	28.53
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.42*	
		For Work In Restricted Working Space, Add	*12.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.86*	
22 11 16 00-0477	EA	3/4" Reducing 90 Degree Copper Elbow	59.37	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.98*	
		For Work In Restricted Working Space, Add	*15.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.29*	
22 11 16 00-0478	EA	1" Reducing 90 Degree Copper Elbow	74.92	42.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.53*	
		For Work In Restricted Working Space, Add	*19.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.10*	
22 11 16 00-0479	EA	1-1/4" Reducing 90 Degree Copper Elbow	97.68	45.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.31*	
		For Work In Restricted Working Space, Add	*20.63*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.76*	
22 11 16 00-0480	EA	1-1/2" Reducing 90 Degree Copper Elbow	113.26	50.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.29*	
		For Work In Restricted Working Space, Add	*22.57*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.19*	
22 11 16 00-0481	EA	2" Reducing 90 Degree Copper Elbow	135.48	56.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.65*	
		For Work In Restricted Working Space, Add	*25.29*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.21*	

22 11 16 00-0482 45 Degree Copper Elbows *(22 11 16 00-0451)*

22 11 16 00-0483	EA	1/4" 45 Degree Copper Elbow	31.81	17.31
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.89*	
		For Street Fitting, Add	*2.34*	
		For Work In Restricted Working Space, Add	*7.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.19*	
22 11 16 00-0484	EA	3/8" 45 Degree Copper Elbow	36.15	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.67*	
		For Street Fitting, Add	*2.01*	
		For Work In Restricted Working Space, Add	*9.34*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.92*	
22 11 16 00-0485	EA	1/2" 45 Degree Copper Elbow	44.78	28.53
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.42*	
		For Street Fitting, Add	*0.79*	
		For Work In Restricted Working Space, Add	*12.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.52*	
22 11 16 00-0486	EA	3/4" 45 Degree Copper Elbow	56.56	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.98*	
		For Street Fitting, Add	*1.35*	
		For Work In Restricted Working Space, Add	*15.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0487	EA	1" 45 Degree Copper Elbow	71.99	42.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.53*	
		For Street Fitting, Add	*3.37*	
		For Work In Restricted Working Space, Add	*19.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.96*	
22 11 16 00-0488	EA	1-1/4" 45 Degree Copper Elbow	80.17	45.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.31*	
		For Street Fitting, Add	*4.57*	
		For Work In Restricted Working Space, Add	*20.63*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.88*	
22 11 16 00-0489	EA	1-1/2" 45 Degree Copper Elbow	89.26	50.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.29*	
		For Street Fitting, Add	*5.61*	
		For Work In Restricted Working Space, Add	*22.57*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.99*	
22 11 16 00-0490	EA	2" 45 Degree Copper Elbow	107.68	56.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.65*	
		For Work In Restricted Working Space, Add	*25.29*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.82*	
22 11 16 00-0491	EA	2-1/2" 45 Degree Copper Elbow	134.31	57.33
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.90*	
		For Work In Restricted Working Space, Add	*25.80*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.32*	
22 11 16 00-0492	EA	3" 45 Degree Copper Elbow	174.40	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.41*	
		For Work In Restricted Working Space, Add	*30.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.99*	
22 11 16 00-0493	EA	4" 45 Degree Copper Elbow	298.56	97.23
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.86*	
		For Work In Restricted Working Space, Add	*43.72*	
		For Silver Solder Instead Of 95/5 Solder, Add	*29.50*	
22 11 16 00-0494	EA	5" 45 Degree Copper Elbow	791.36	133.06
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-49.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*29.92*	
		For Work In Restricted Working Space, Add	*59.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*59.51*	
22 11 16 00-0495	EA	6" 45 Degree Copper Elbow	1,223.03	193.62
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-75.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*43.54*	
		For Work In Restricted Working Space, Add	*87.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*90.18*	
22 11 16 00-0496	EA	8" 45 Degree Copper Elbow	3,556.58	258.12
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-197.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*58.05*	
		For Work In Restricted Working Space, Add	*116.10*	
		For Silver Solder Instead Of 95/5 Solder, Add	*216.53*	

22 11 16 00-0497 Straight Copper And Brass Tees *(22 11 16 00-0451)*

22 11 16 00-0498	EA	1/4" Straight Copper Tee	45.50	25.95
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.84*	
		For Work In Restricted Working Space, Add	*11.68*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.17*	
22 11 16 00-0499	EA	3/8" Straight Copper Tee	51.99	31.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.01*	
		For Work In Restricted Working Space, Add	*14.01*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.27*	
22 11 16 00-0500	EA	1/2" Straight Copper Tee	66.71	43.32
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.73*	
		For Work In Restricted Working Space, Add	*19.46*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.82*	
22 11 16 00-0501	EA	3/4" Straight Copper Tee	84.84	53.71
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.06*	
		For Work In Restricted Working Space, Add	*24.13*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.28*	
22 11 16 00-0502	EA	1" Straight Copper Tee	109.30	64.08
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.40*	
		For Work In Restricted Working Space, Add	*28.80*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.07*	
22 11 16 00-0503	EA	1-1/4" Straight Copper Tee	122.30	69.27
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.57*	
		For Work In Restricted Working Space, Add	*31.13*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.49*	
22 11 16 00-0504	EA	1-1/2" Straight Copper Tee	140.89	75.24
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.93*	
		For Work In Restricted Working Space, Add	*33.86*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0505	EA	2" Straight Copper Tee	171.69	84.84
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.07*	
		For Work In Restricted Working Space, Add	*38.14*	
		For Silver Solder Instead Of 95/5 Solder, Add	*21.30*	
22 11 16 00-0506	EA	2-1/2" Straight Copper Tee	216.15	86.00
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.35*	
		For Work In Restricted Working Space, Add	*38.70*	
		For Silver Solder Instead Of 95/5 Solder, Add	*23.71*	
22 11 16 00-0507	EA	3" Straight Copper Tee	288.43	103.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.29*	
		For Work In Restricted Working Space, Add	*46.58*	
		For Silver Solder Instead Of 95/5 Solder, Add	*29.95*	
22 11 16 00-0508	EA	4" Straight Copper Tee	539.66	145.00
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*32.61*	
		For Work In Restricted Working Space, Add	*65.21*	
		For Silver Solder Instead Of 95/5 Solder, Add	*48.72*	
22 11 16 00-0509	EA	5" Straight Copper Tee	1,350.92	198.39
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-82.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*44.61*	
		For Work In Restricted Working Space, Add	*89.22*	
		For Silver Solder Instead Of 95/5 Solder, Add	*97.29*	
22 11 16 00-0510	EA	6" Straight Copper Tee	1,876.10	290.84
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-115.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*65.39*	
		For Work In Restricted Working Space, Add	*130.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*137.40*	
22 11 16 00-0511	EA	8" Straight Copper Tee	6,135.77	387.23
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-335.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*87.07*	
		For Work In Restricted Working Space, Add	*174.14*	
		For Silver Solder Instead Of 95/5 Solder, Add	*364.84*	
22 11 16 00-0512	EA	1/2" Cast Bronze Drop Ear Tee	76.25	43.32
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.73*	
		For Work In Restricted Working Space, Add	*19.46*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.30*	

22 11 16 00-0513 Reducing Copper Tees *(22 11 16 00-0451)*

22 11 16 00-0514	EA	3/8" Reducing Copper Tee	51.97	27.63
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Work In Restricted Working Space, Add	*12.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.75*	
22 11 16 00-0515	EA	1/2" Reducing Copper Tee	67.59	38.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.76*	
		For Work In Restricted Working Space, Add	*17.51*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.22*	
22 11 16 00-0516	EA	3/4" Reducing Copper Tee	79.93	50.20
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.29*	
		For Work In Restricted Working Space, Add	*22.57*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.52*	
22 11 16 00-0517	EA	1" Reducing Copper Tee	105.71	60.58
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.62*	
		For Work In Restricted Working Space, Add	*27.24*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.37*	
22 11 16 00-0518	EA	1-1/4" Reducing Copper Tee	121.21	65.77
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.79*	
		For Work In Restricted Working Space, Add	*29.57*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.92*	
22 11 16 00-0519	EA	1-1/2" Reducing Copper Tee	139.65	71.87
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.15*	
		For Work In Restricted Working Space, Add	*32.30*	
		For Silver Solder Instead Of 95/5 Solder, Add	*17.75*	
22 11 16 00-0520	EA	2" Reducing Copper Tee	166.88	80.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.10*	
		For Work In Restricted Working Space, Add	*36.19*	
		For Silver Solder Instead Of 95/5 Solder, Add	*20.41*	
22 11 16 00-0521	EA	2-1/2" Reducing Copper Tee	219.70	82.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.63*	
		For Work In Restricted Working Space, Add	*37.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*23.41*	
22 11 16 00-0522	EA	3" Reducing Copper Tee	300.13	95.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.50*	
		For Work In Restricted Working Space, Add	*43.00*	
		For Silver Solder Instead Of 95/5 Solder, Add	*29.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0523	EA	4" Reducing Copper Tee	506.86	117.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.52*	
		For Work In Restricted Working Space, Add	*53.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*43.02*	

22 11 16 00-0524 Copper Couplings *(22 11 16 00-0451)*

22 11 16 00-0525	EA	1/4" Copper Coupling	22.16	14.40
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.26*	
22 11 16 00-0526	EA	3/8" Copper Coupling	26.68	17.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.88*	
		For Work In Restricted Working Space, Add	*7.75*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.92*	
22 11 16 00-0527	EA	1/2" Copper Coupling	36.22	23.60
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.33*	
		For Work In Restricted Working Space, Add	*10.66*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.36*	
22 11 16 00-0528	EA	3/4" Copper Coupling	45.54	29.45
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.62*	
		For Work In Restricted Working Space, Add	*13.24*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.69*	
22 11 16 00-0529	EA	1" Copper Coupling	55.53	35.15
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.91*	
		For Work In Restricted Working Space, Add	*15.83*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.05*	
22 11 16 00-0530	EA	1-1/4" Copper Coupling	61.96	38.01
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.56*	
		For Work In Restricted Working Space, Add	*17.12*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.80*	
22 11 16 00-0531	EA	1-1/2" Copper Coupling	68.94	41.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.37*	
		For Work In Restricted Working Space, Add	*18.74*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.69*	
22 11 16 00-0532	EA	2" Copper Coupling	80.78	46.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.50*	
		For Work In Restricted Working Space, Add	*21.00*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.04*	
22 11 16 00-0533	EA	2-1/2" Copper Coupling	92.63	47.06
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.61*	
		For Work In Restricted Working Space, Add	*21.21*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.70*	
22 11 16 00-0534	EA	3" Copper Coupling	117.33	58.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.12*	
		For Work In Restricted Working Space, Add	*26.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.62*	
22 11 16 00-0535	EA	4" Copper Coupling	189.72	82.53
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.60*	
		For Work In Restricted Working Space, Add	*37.19*	
		For Silver Solder Instead Of 95/5 Solder, Add	*21.88*	
22 11 16 00-0536	EA	5" Copper Coupling	316.52	119.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.93*	
		For Work In Restricted Working Space, Add	*53.86*	
		For Silver Solder Instead Of 95/5 Solder, Add	*33.78*	
22 11 16 00-0537	EA	6" Copper Coupling	487.62	174.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*39.18*	
		For Work In Restricted Working Space, Add	*78.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*50.50*	
22 11 16 00-0538	EA	8" Copper Coupling	1,082.19	231.96
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-71.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*52.24*	
		For Work In Restricted Working Space, Add	*104.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*88.94*	

22 11 16 00-0539 Reducing Copper Couplings *(22 11 16 00-0451)*

22 11 16 00-0540	EA	3/8" Reducing Copper Coupling	25.05	15.83
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.55*	
		For Work In Restricted Working Space, Add	*7.10*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0541	EA	1/2" Reducing Copper Coupling	32.12	20.50
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.60*	
		For Work In Restricted Working Space, Add	*9.21*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.68*	
22 11 16 00-0542	EA	3/4" Reducing Copper Coupling	42.31	26.59
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.97*	
		For Work In Restricted Working Space, Add	*11.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.10*	
22 11 16 00-0543	EA	1" Reducing Copper Coupling	52.93	32.30
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.27*	
		For Work In Restricted Working Space, Add	*14.54*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.49*	
22 11 16 00-0544	EA	1-1/4" Reducing Copper Coupling	61.16	36.58
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.24*	
		For Work In Restricted Working Space, Add	*16.47*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.55*	
22 11 16 00-0545	EA	1-1/2" Reducing Copper Coupling	70.10	39.82
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.96*	
		For Work In Restricted Working Space, Add	*17.93*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.48*	
22 11 16 00-0546	EA	2" Reducing Copper Coupling	82.21	44.11
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.93*	
		For Work In Restricted Working Space, Add	*19.87*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.73*	
22 11 16 00-0547	EA	2-1/2" Reducing Copper Coupling	100.11	45.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.14*	
		For Work In Restricted Working Space, Add	*20.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.76*	
22 11 16 00-0548	EA	3" Reducing Copper Coupling	119.32	52.67
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.87*	
		For Work In Restricted Working Space, Add	*23.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.88*	
22 11 16 00-0549	EA	4" Reducing Copper Coupling	185.57	70.47
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.86*	
		For Work In Restricted Working Space, Add	*31.72*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.85*	
22 11 16 00-0550	EA	5" Reducing Copper Coupling	460.22	98.65
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-30.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.21*	
		For Work In Restricted Working Space, Add	*44.42*	
		For Silver Solder Instead Of 95/5 Solder, Add	*37.82*	
22 11 16 00-0551	EA	6" Reducing Copper Coupling	672.31	125.77
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-43.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*28.33*	
		For Work In Restricted Working Space, Add	*56.67*	
		For Silver Solder Instead Of 95/5 Solder, Add	*52.50*	
22 11 16 00-0552	EA	8" Reducing Copper Coupling	1,329.37	202.82
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-81.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*45.69*	
		For Work In Restricted Working Space, Add	*91.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*96.93*	

22 11 16 00-0553 Male Copper Adapters *(22 11 16 00-0451)*

22 11 16 00-0554	EA	1/4" Male Copper Adapter	37.04	16.86
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.89*	
		For Work In Restricted Working Space, Add	*7.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.45*	
22 11 16 00-0555	EA	3/8" Male Copper Adapter	36.66	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.67*	
		For Work In Restricted Working Space, Add	*9.34*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.95*	
22 11 16 00-0556	EA	1/2" Male Copper Adapter	41.16	25.95
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.84*	
		For Work In Restricted Working Space, Add	*11.68*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.95*	
22 11 16 00-0557	EA	3/4" Male Copper Adapter	51.79	32.43
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Work In Restricted Working Space, Add	*14.40*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.39*	
22 11 16 00-0558	EA	1" Male Copper Adapter	65.43	37.62
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.37*	
		For Work In Restricted Working Space, Add	*16.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0559	EA	1-1/4" Male Copper Adapter	78.91	42.81
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.73*	
		For Work In Restricted Working Space, Add	*19.46*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.43*	
22 11 16 00-0560	EA	1-1/2" Male Copper Adapter	90.38	49.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.18*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.91*	
22 11 16 00-0561	EA	2" Male Copper Adapter	122.53	62.91
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.21*	
		For Work In Restricted Working Space, Add	*28.41*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.60*	
22 11 16 00-0562	EA	2-1/2" Male Copper Adapter	209.41	81.72
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.29*	
		For Work In Restricted Working Space, Add	*36.58*	
		For Silver Solder Instead Of 95/5 Solder, Add	*22.66*	
22 11 16 00-0563	EA	3" Male Copper Adapter	278.26	108.99
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.37*	
		For Work In Restricted Working Space, Add	*48.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*30.16*	
22 11 16 00-0564	EA	4" Male Copper Adapter	414.55	152.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-32.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*34.40*	
		For Work In Restricted Working Space, Add	*68.80*	
		For Silver Solder Instead Of 95/5 Solder, Add	*43.66*	

22 11 16 00-0565 Female Copper Adapters *(22 11 16 00-0451)*

22 11 16 00-0566	EA	1/4" Female Copper Adapter	33.03	16.86
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.89*	
		For Work In Restricted Working Space, Add	*7.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.25*	
22 11 16 00-0567	EA	3/8" Female Copper Adapter	38.54	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.67*	
		For Work In Restricted Working Space, Add	*9.34*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.04*	
22 11 16 00-0568	EA	1/2" Female Copper Adapter	42.51	25.95
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.84*	
		For Work In Restricted Working Space, Add	*11.68*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.02*	
22 11 16 00-0569	EA	3/4" Female Copper Adapter	52.89	32.43
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Work In Restricted Working Space, Add	*14.40*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.44*	
22 11 16 00-0570	EA	1" Female Copper Adapter	66.99	37.62
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.37*	
		For Work In Restricted Working Space, Add	*16.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.93*	
22 11 16 00-0571	EA	1-1/4" Female Copper Adapter	81.30	42.81
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.73*	
		For Work In Restricted Working Space, Add	*19.46*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.55*	
22 11 16 00-0572	EA	1-1/2" Female Copper Adapter	99.67	49.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.09*	
		For Work In Restricted Working Space, Add	*22.18*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.38*	
22 11 16 00-0573	EA	2" Female Copper Adapter	129.61	62.91
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.21*	
		For Work In Restricted Working Space, Add	*28.41*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.95*	
22 11 16 00-0574	EA	2-1/2" Female Copper Adapter	235.71	75.25
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.84*	
		For Work In Restricted Working Space, Add	*33.68*	
		For Silver Solder Instead Of 95/5 Solder, Add	*23.01*	
22 11 16 00-0575	EA	3" Female Copper Adapter	370.38	108.99
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.37*	
		For Work In Restricted Working Space, Add	*48.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*34.76*	

22 11 16 00-0576 Wrot Copper, Solder Union *(22 11 16 00-0451)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0577	EA	1/4" Wrot Copper, Solder Union	46.22	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.67*	
		For Work In Restricted Working Space, Add	*9.34*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.42*	
22 11 16 00-0578	EA	3/8" Wrot Copper, Solder Union	53.17	25.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.29*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.42*	
22 11 16 00-0579	EA	1/2" Wrot Copper, Solder Union	56.31	31.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.01*	
		For Work In Restricted Working Space, Add	*14.01*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.49*	
22 11 16 00-0580	EA	3/4" Wrot Copper, Solder Union	65.00	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.98*	
		For Work In Restricted Working Space, Add	*15.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.57*	
22 11 16 00-0581	EA	1" Wrot Copper, Solder Union	83.88	42.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.53*	
		For Work In Restricted Working Space, Add	*19.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.55*	
22 11 16 00-0582	EA	1-1/4" Wrot Copper, Solder Union	99.47	46.70
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.51*	
		For Work In Restricted Working Space, Add	*21.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.98*	
22 11 16 00-0583	EA	1-1/2" Wrot Copper, Solder Union	119.32	51.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.68*	
		For Work In Restricted Working Space, Add	*23.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.75*	
22 11 16 00-0584	EA	2" Wrot Copper, Solder Union	164.11	62.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.01*	
		For Work In Restricted Working Space, Add	*28.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*17.55*	
22 11 16 00-0585	EA	2-1/2" Wrot Copper, Solder Union	295.54	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.41*	
		For Work In Restricted Working Space, Add	*30.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*25.05*	
22 11 16 00-0586	EA	3" Wrot Copper, Solder Union	644.69	97.23
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-39.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.86*	
		For Work In Restricted Working Space, Add	*43.72*	
		For Silver Solder Instead Of 95/5 Solder, Add	*46.81*	

22 11 16 00-0587 Cast Bronze, Solder Union *(22 11 16 00-0451)*

22 11 16 00-0588	EA	1/4" Cast Bronze, Solder Union	51.79	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.67*	
		For Work In Restricted Working Space, Add	*9.34*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.70*	
22 11 16 00-0589	EA	3/8" Cast Bronze, Solder Union	58.42	25.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.29*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.68*	
22 11 16 00-0590	EA	1/2" Cast Bronze, Solder Union	57.78	31.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.01*	
		For Work In Restricted Working Space, Add	*14.01*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.56*	
22 11 16 00-0591	EA	3/4" Cast Bronze, Solder Union	67.07	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.98*	
		For Work In Restricted Working Space, Add	*15.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.67*	
22 11 16 00-0592	EA	1" Cast Bronze, Solder Union	87.46	42.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.53*	
		For Work In Restricted Working Space, Add	*19.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.73*	
22 11 16 00-0593	EA	1-1/4" Cast Bronze, Solder Union	109.28	46.70
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.51*	
		For Work In Restricted Working Space, Add	*21.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.47*	
22 11 16 00-0594	EA	1-1/2" Cast Bronze, Solder Union	129.55	51.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.68*	
		For Work In Restricted Working Space, Add	*23.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0595	EA	2" Cast Bronze, Solder Union	181.53	62.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.01*	
		For Work In Restricted Working Space, Add	*28.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.42*	
22 11 16 00-0596	EA	2-1/2" Cast Bronze, Solder Union	295.53	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.41*	
		For Work In Restricted Working Space, Add	*30.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*25.05*	
22 11 16 00-0597	EA	3" Cast Bronze, Solder Union	644.69	97.23
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-39.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.86*	
		For Work In Restricted Working Space, Add	*43.72*	
		For Silver Solder Instead Of 95/5 Solder, Add	*46.81*	

22 11 16 00-0598 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0451)*

22 11 16 00-0599	EA	1/4" Cast Bronze, Solder X Female Threaded Union	59.31	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.67*	
		For Work In Restricted Working Space, Add	*9.34*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.08*	
22 11 16 00-0600	EA	3/8" Cast Bronze, Solder X Female Threaded Union	66.78	25.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.29*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.10*	
22 11 16 00-0601	EA	1/2" Cast Bronze, Solder X Female Threaded Union	69.86	31.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.01*	
		For Work In Restricted Working Space, Add	*14.01*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.16*	
22 11 16 00-0602	EA	3/4" Cast Bronze, Solder X Female Threaded Union	84.75	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.98*	
		For Work In Restricted Working Space, Add	*15.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.56*	
22 11 16 00-0603	EA	1" Cast Bronze, Solder X Female Threaded Union	129.22	42.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.53*	
		For Work In Restricted Working Space, Add	*19.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.82*	
22 11 16 00-0604	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union	192.41	46.70
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.51*	
		For Work In Restricted Working Space, Add	*21.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.63*	
22 11 16 00-0605	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union	232.86	51.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.68*	
		For Work In Restricted Working Space, Add	*23.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.43*	
22 11 16 00-0606	EA	2" Cast Bronze, Solder X Female Threaded Union	355.80	62.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.01*	
		For Work In Restricted Working Space, Add	*28.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*27.13*	
22 11 16 00-0607	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union	600.14	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.41*	
		For Work In Restricted Working Space, Add	*30.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*40.28*	

22 11 16 00-0608 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0451)*

22 11 16 00-0609	EA	1/4" Cast Bronze, Solder X Male Threaded Union	52.59	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.67*	
		For Work In Restricted Working Space, Add	*9.34*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.74*	
22 11 16 00-0610	EA	3/8" Cast Bronze, Solder X Male Threaded Union	62.67	25.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.29*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.90*	
22 11 16 00-0611	EA	1/2" Cast Bronze, Solder X Male Threaded Union	64.98	31.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.01*	
		For Work In Restricted Working Space, Add	*14.01*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.92*	
22 11 16 00-0612	EA	3/4" Cast Bronze, Solder X Male Threaded Union	80.61	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.98*	
		For Work In Restricted Working Space, Add	*15.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0613	EA	1" Cast Bronze, Solder X Male Threaded Union	131.11	42.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.53*	
		For Work In Restricted Working Space, Add	*19.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.91*	
22 11 16 00-0614	EA	1-1/4" Cast Bronze, Solder X Male Threaded Union	153.84	46.70
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.51*	
		For Work In Restricted Working Space, Add	*21.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.70*	
22 11 16 00-0615	EA	1-1/2" Cast Bronze, Solder X Male Threaded Union	165.85	51.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.68*	
		For Work In Restricted Working Space, Add	*23.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.08*	
22 11 16 00-0616	EA	2" Cast Bronze, Solder X Male Threaded Union	228.59	62.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.01*	
		For Work In Restricted Working Space, Add	*28.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*20.77*	
22 11 16 00-0617	EA	2-1/2" Cast Bronze, Solder X Male Threaded Union	498.90	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-30.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.41*	
		For Work In Restricted Working Space, Add	*30.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*35.22*	

22 11 16 00-0618 Copper Caps *(22 11 16 00-0451)*

22 11 16 00-0619	EA	1/4" Copper Cap	9.52	5.70
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.28*	
		For Work In Restricted Working Space, Add	*2.57*	
		For Silver Solder Instead Of 95/5 Solder, Add	*1.33*	
22 11 16 00-0620	EA	3/8" Copper Cap	11.79	6.74
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.54*	
		For Work In Restricted Working Space, Add	*3.08*	
		For Silver Solder Instead Of 95/5 Solder, Add	*1.62*	
22 11 16 00-0621	EA	1/2" Copper Cap	14.91	9.34
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.24*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.16*	
22 11 16 00-0622	EA	3/4" Copper Cap	19.01	11.54
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.63*	
		For Work In Restricted Working Space, Add	*5.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.71*	
22 11 16 00-0623	EA	1" Copper Cap	24.42	13.88
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.15*	
		For Work In Restricted Working Space, Add	*6.29*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.32*	
22 11 16 00-0624	EA	1-1/4" Copper Cap	27.29	14.92
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.40*	
		For Work In Restricted Working Space, Add	*6.81*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.63*	
22 11 16 00-0625	EA	1-1/2" Copper Cap	31.52	16.34
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.72*	
		For Work In Restricted Working Space, Add	*7.45*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.06*	
22 11 16 00-0626	EA	2" Copper Cap	37.99	16.96
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.84*	
		For Work In Restricted Working Space, Add	*7.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.46*	
22 11 16 00-0627	EA	2-1/2" Copper Cap	66.74	19.83
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.52*	
		For Work In Restricted Working Space, Add	*9.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.35*	
22 11 16 00-0628	EA	3" Copper Cap	90.99	25.44
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.78*	
		For Work In Restricted Working Space, Add	*11.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.40*	
22 11 16 00-0629	EA	4" Copper Cap	157.32	38.46
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.74*	
		For Work In Restricted Working Space, Add	*17.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.70*	
22 11 16 00-0630	EA	5" Cast Bronze Cap	785.90	59.25
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-43.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.46*	
		For Work In Restricted Working Space, Add	*26.93*	
		For Silver Solder Instead Of 95/5 Solder, Add	*48.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0631	EA	6" Cast Bronze Cap	1,517.57	86.23
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-82.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.59*	
		For Work In Restricted Working Space, Add	*39.18*	
		For Silver Solder Instead Of 95/5 Solder, Add	*88.94*	
22 11 16 00-0632	EA	8" Cast Bronze Cap	1,934.41	114.90
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-105.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.12*	
		For Work In Restricted Working Space, Add	*52.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*114.14*	

22 11 16 00-0633 Copper Crosses *(22 11 16 00-0451)*

22 11 16 00-0634	EA	1/2" Copper Cross	91.17	52.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.83*	
		For Work In Restricted Working Space, Add	*23.65*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.44*	
22 11 16 00-0635	EA	3/4" Copper Cross	121.90	65.34
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.69*	
		For Work In Restricted Working Space, Add	*29.38*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.89*	
22 11 16 00-0636	EA	1" Copper Cross	157.76	78.00
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.56*	
		For Work In Restricted Working Space, Add	*35.12*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.59*	
22 11 16 00-0637	EA	1-1/4" Copper Cross	185.12	84.44
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.99*	
		For Work In Restricted Working Space, Add	*37.98*	
		For Silver Solder Instead Of 95/5 Solder, Add	*21.92*	
22 11 16 00-0638	EA	1-1/2" Copper Cross	221.95	92.32
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.78*	
		For Work In Restricted Working Space, Add	*41.57*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.95*	
22 11 16 00-0639	EA	2" Copper Cross	312.81	103.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.29*	
		For Work In Restricted Working Space, Add	*46.58*	
		For Silver Solder Instead Of 95/5 Solder, Add	*31.17*	
22 11 16 00-0640	EA	2-1/2" Copper Cross	535.13	114.66
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.80*	
		For Work In Restricted Working Space, Add	*51.60*	
		For Silver Solder Instead Of 95/5 Solder, Add	*43.96*	

22 11 16 00-0641 Cast Bronze Crosses *(22 11 16 00-0451)*

22 11 16 00-0642	EA	3/8" Cast Bronze Cross	73.77	38.22
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.60*	
		For Work In Restricted Working Space, Add	*17.20*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.42*	
22 11 16 00-0643	EA	1/2" Cast Bronze Cross	93.63	52.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.83*	
		For Work In Restricted Working Space, Add	*23.65*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.57*	
22 11 16 00-0644	EA	3/4" Cast Bronze Cross	126.69	65.34
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.69*	
		For Work In Restricted Working Space, Add	*29.38*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.13*	
22 11 16 00-0645	EA	1" Cast Bronze Cross	165.89	78.00
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.56*	
		For Work In Restricted Working Space, Add	*35.12*	
		For Silver Solder Instead Of 95/5 Solder, Add	*20.00*	
22 11 16 00-0646	EA	1-1/4" Cast Bronze Cross	196.82	84.44
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.99*	
		For Work In Restricted Working Space, Add	*37.98*	
		For Silver Solder Instead Of 95/5 Solder, Add	*22.50*	
22 11 16 00-0647	EA	1-1/2" Cast Bronze Cross	238.62	92.32
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.78*	
		For Work In Restricted Working Space, Add	*41.57*	
		For Silver Solder Instead Of 95/5 Solder, Add	*25.79*	
22 11 16 00-0648	EA	2" Cast Bronze Cross	342.14	103.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.29*	
		For Work In Restricted Working Space, Add	*46.58*	
		For Silver Solder Instead Of 95/5 Solder, Add	*32.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0649	EA	2-1/2" Cast Bronze Cross	607.76	114.66
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.80*	
		For Work In Restricted Working Space, Add	*51.60*	
		For Silver Solder Instead Of 95/5 Solder, Add	*47.59*	
22 11 16 00-0650		**Flexible Corrugated Copper Supply Line** *(22 11 16 00-0451)*		
22 11 16 00-0651	EA	3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	88.96	35.55
22 11 16 00-0652	EA	3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	93.27	35.55
22 11 16 00-0653	EA	3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	81.22	35.55
22 11 16 00-0654	EA	3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	86.09	35.55
22 11 16 00-0655	EA	3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	90.40	35.55
22 11 16 00-0656	EA	3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	93.27	35.55
22 11 16 00-0657		**Crimped Copper Fittings** *(22 11 16 00-0383)* Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0658		**Crimped Copper 90 Degree Elbows** *(22 11 16 00-0657)*		
22 11 16 00-0659	EA	1/2" Crimped Copper 90 Degree Elbow	26.36	15.57
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-0660	EA	3/4" Crimped Copper 90 Degree Elbow	31.70	17.77
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-0661	EA	1" Crimped Copper 90 Degree Elbow	42.02	21.15
		For Work In Restricted Working Space, Add	*9.53*	
22 11 16 00-0662	EA	1-1/4" Crimped Copper 90 Degree Elbow	55.69	23.35
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-0663	EA	1-1/2" Crimped Copper 90 Degree Elbow	78.05	25.95
		For Work In Restricted Working Space, Add	*11.68*	
22 11 16 00-0664	EA	2" Crimped Copper 90 Degree Elbow	101.09	31.13
		For Work In Restricted Working Space, Add	*14.01*	
22 11 16 00-0665	EA	2-1/2" Crimped Copper 90 Degree Elbow	212.46	36.32
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-0666	EA	3" Crimped Copper 90 Degree Elbow	263.61	43.19
		For Work In Restricted Working Space, Add	*19.46*	
22 11 16 00-0667	EA	4" Crimped Copper 90 Degree Elbow	331.51	57.08
		For Work In Restricted Working Space, Add	*25.68*	
22 11 16 00-0668		**Crimped Copper 45 Degree Elbows** *(22 11 16 00-0657)*		
22 11 16 00-0669	EA	1/2" Crimped Copper 45 Degree Elbow	26.86	15.57
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-0670	EA	3/4" Crimped Copper 45 Degree Elbow	30.90	17.77
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-0671	EA	1" Crimped Copper 45 Degree Elbow	45.63	21.15
		For Work In Restricted Working Space, Add	*9.53*	
22 11 16 00-0672	EA	1-1/4" Crimped Copper 45 Degree Elbow	54.89	23.35
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-0673	EA	1-1/2" Crimped Copper 45 Degree Elbow	71.13	25.95
		For Work In Restricted Working Space, Add	*11.68*	
22 11 16 00-0674	EA	2" Crimped Copper 45 Degree Elbow	91.76	31.13
		For Work In Restricted Working Space, Add	*14.01*	
22 11 16 00-0675	EA	2-1/2" Crimped Copper 45 Degree Elbow	158.84	36.32
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-0676	EA	3" Crimped Copper 45 Degree Elbow	213.95	43.19
		For Work In Restricted Working Space, Add	*19.46*	
22 11 16 00-0677	EA	4" Crimped Copper 45 Degree Elbow	292.67	57.08
		For Work In Restricted Working Space, Add	*25.68*	
22 11 16 00-0678		**Crimped Copper Straight Tees** *(22 11 16 00-0657)*		
22 11 16 00-0679	EA	1/2" Crimped Copper Straight Tee	39.63	23.35
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-0680	EA	3/4" Crimped Copper Straight Tee	54.18	30.75
		For Work In Restricted Working Space, Add	*13.82*	
22 11 16 00-0681	EA	1" Crimped Copper Straight Tee	65.89	34.12
		For Work In Restricted Working Space, Add	*15.37*	
22 11 16 00-0682	EA	1-1/4" Crimped Copper Straight Tee	77.32	35.02
		For Work In Restricted Working Space, Add	*15.76*	
22 11 16 00-0683	EA	1-1/2" Crimped Copper Straight Tee	107.83	39.82
		For Work In Restricted Working Space, Add	*17.90*	
22 11 16 00-0684	EA	2" Crimped Copper Straight Tee	129.55	46.70
		For Work In Restricted Working Space, Add	*21.02*	
22 11 16 00-0685	EA	2-1/2" Crimped Copper Straight Tee	276.90	54.48
		For Work In Restricted Working Space, Add	*24.52*	
22 11 16 00-0686	EA	3" Crimped Copper Straight Tee	341.25	64.86
		For Work In Restricted Working Space, Add	*29.18*	
22 11 16 00-0687	EA	4" Crimped Copper Straight Tee	470.75	85.61
		For Work In Restricted Working Space, Add	*38.53*	
22 11 16 00-0688		**Crimped Copper Reducing Tees** *(22 11 16 00-0657)*		
22 11 16 00-0689	EA	3/4" Crimped Copper Reducing Tee	45.87	22.19
		For Work In Restricted Working Space, Add	*10.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0690	EA	1" Crimped Copper Reducing Tee	66.00	29.19
		For Work In Restricted Working Space, Add	*13.12*	
22 11 16 00-0691	EA	1-1/4" Crimped Copper Reducing Tee	71.32	32.43
		For Work In Restricted Working Space, Add	*14.60*	
22 11 16 00-0692	EA	1-1/2" Crimped Copper Reducing Tee	92.69	33.33
		For Work In Restricted Working Space, Add	*14.98*	
22 11 16 00-0693	EA	2" Crimped Copper Reducing Tee	110.78	37.75
		For Work In Restricted Working Space, Add	*17.01*	
22 11 16 00-0694	EA	2-1/2" Crimped Copper Reducing Tee	294.14	42.81
		For Work In Restricted Working Space, Add	*19.46*	
22 11 16 00-0695	EA	3" Crimped Copper Reducing Tee	358.52	51.89
		For Work In Restricted Working Space, Add	*23.35*	
22 11 16 00-0696	EA	4" Crimped Copper Reducing Tee	423.11	69.14
		For Work In Restricted Working Space, Add	*31.13*	

22 11 16 00-0697 Crimped Copper Couplings *(22 11 16 00-0657)*

22 11 16 00-0698	EA	1/2" Crimped Copper Coupling	26.06	15.57
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-0699	EA	3/4" Crimped Copper Coupling	30.71	17.77
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-0700	EA	1" Crimped Copper Coupling	40.10	21.15
		For Work In Restricted Working Space, Add	*9.53*	
22 11 16 00-0701	EA	1-1/4" Crimped Copper Coupling	45.36	23.35
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-0702	EA	1-1/2" Crimped Copper Coupling	58.18	25.95
		For Work In Restricted Working Space, Add	*11.68*	
22 11 16 00-0703	EA	2" Crimped Copper Coupling	71.29	31.13
		For Work In Restricted Working Space, Add	*14.01*	
22 11 16 00-0704	EA	2-1/2" Crimped Copper Coupling	133.16	36.32
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-0705	EA	3" Crimped Copper Coupling	165.06	43.19
		For Work In Restricted Working Space, Add	*19.46*	
22 11 16 00-0706	EA	4" Crimped Copper Coupling	224.75	57.08
		For Work In Restricted Working Space, Add	*25.68*	

22 11 16 00-0707 Crimped Copper Reducing Couplings *(22 11 16 00-0657)*

22 11 16 00-0708	EA	3/4" Crimped Copper Reducing Coupling	34.54	14.79
		For Work In Restricted Working Space, Add	*6.66*	
22 11 16 00-0709	EA	1" Crimped Copper Reducing Coupling	39.44	16.86
		For Work In Restricted Working Space, Add	*7.59*	
22 11 16 00-0710	EA	1-1/4" Crimped Copper Reducing Coupling	50.80	20.10
		For Work In Restricted Working Space, Add	*9.07*	
22 11 16 00-0711	EA	1-1/2" Crimped Copper Reducing Coupling	63.63	22.19
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0712	EA	2" Crimped Copper Reducing Coupling	71.08	24.65
		For Work In Restricted Working Space, Add	*11.09*	
22 11 16 00-0713	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling	137.06	29.45
		For Work In Restricted Working Space, Add	*13.23*	
22 11 16 00-0714	EA	3" Crimped Copper FTG x C Reducing Coupling	170.44	34.63
		For Work In Restricted Working Space, Add	*15.57*	
22 11 16 00-0715	EA	4" Crimped Copper FTG x C Reducing Coupling	221.70	45.79
		For Work In Restricted Working Space, Add	*20.63*	

22 11 16 00-0716 Crimped Copper Male Adapters *(22 11 16 00-0657)*

22 11 16 00-0717	EA	1/2" Crimped Copper Male Adapter	26.67	15.57
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-0718	EA	3/4" Crimped Copper Male Adapter	32.61	17.77
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-0719	EA	1" Crimped Copper Male Adapter	42.81	21.15
		For Work In Restricted Working Space, Add	*9.53*	
22 11 16 00-0720	EA	1-1/4" Crimped Copper Male Adapter	59.20	23.35
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-0721	EA	1-1/2" Crimped Copper Male Adapter	72.84	25.95
		For Work In Restricted Working Space, Add	*11.68*	
22 11 16 00-0722	EA	2" Crimped Copper Male Adapter	112.02	31.13
		For Work In Restricted Working Space, Add	*14.01*	
22 11 16 00-0723	EA	2-1/2" Crimped Copper Male Adapter	212.46	36.32
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-0724	EA	3" Crimped Copper Male Adapter	263.61	43.19
		For Work In Restricted Working Space, Add	*19.46*	
22 11 16 00-0725	EA	4" Crimped Copper Male Adapter	315.67	57.08
		For Work In Restricted Working Space, Add	*25.68*	

22 11 16 00-0726 Crimped Copper Female Adapters *(22 11 16 00-0657)*

22 11 16 00-0727	EA	1/2" Crimped Copper Female Adapter	27.36	15.57
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-0728	EA	3/4" Crimped Copper Female Adapter	33.12	17.77
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-0729	EA	1" Crimped Copper Female Adapter	43.82	21.15
		For Work In Restricted Working Space, Add	*9.53*	
22 11 16 00-0730	EA	1-1/4" Crimped Copper Female Adapter	62.21	23.35
		For Work In Restricted Working Space, Add	*10.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0731	EA	1-1/2" Crimped Copper Female Adapter	78.46	25.95
		For Work In Restricted Working Space, Add	*11.68*	
22 11 16 00-0732	EA	2" Crimped Copper Female Adapter	113.83	31.13
		For Work In Restricted Working Space, Add	*14.01*	

22 11 16 00-0733 Crimped Copper Caps *(22 11 16 00-0657)*

22 11 16 00-0734	EA	1/2" Crimped Copper Cap	17.49	7.79
		For Work In Restricted Working Space, Add	*3.50*	
22 11 16 00-0735	EA	3/4" Crimped Copper Cap	23.45	9.08
		For Work In Restricted Working Space, Add	*4.09*	
22 11 16 00-0736	EA	1" Crimped Copper Cap	30.72	10.37
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0737	EA	1-1/4" Crimped Copper Cap	34.68	11.67
		For Work In Restricted Working Space, Add	*5.26*	
22 11 16 00-0738	EA	1-1/2" Crimped Copper Cap	46.69	13.36
		For Work In Restricted Working Space, Add	*6.03*	
22 11 16 00-0739	EA	2" Crimped Copper Cap	55.65	15.57
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-0740	EA	2-1/2" Crimped Copper Cap	130.54	18.16
		For Work In Restricted Working Space, Add	*8.17*	
22 11 16 00-0741	EA	3" Crimped Copper Cap	163.16	21.66
		For Work In Restricted Working Space, Add	*9.73*	
22 11 16 00-0742	EA	4" Crimped Copper Cap	217.02	28.53
		For Work In Restricted Working Space, Add	*12.84*	

22 11 16 00-0743 C x F NPT Crimped Bronze Unions *(22 11 16 00-0657)*

22 11 16 00-0744	EA	1/2" C x F NPT Crimped Bronze Union	48.84	21.15
		For Work In Restricted Working Space, Add	*9.53*	
22 11 16 00-0745	EA	3/4" C x F NPT Crimped Bronze Union	60.92	26.07
		For Work In Restricted Working Space, Add	*11.72*	
22 11 16 00-0746	EA	1" C x F NPT Crimped Bronze Union	83.16	31.26
		For Work In Restricted Working Space, Add	*14.05*	
22 11 16 00-0747	EA	1-1/4" C x F NPT Crimped Bronze Union	100.18	36.06
		For Work In Restricted Working Space, Add	*16.27*	
22 11 16 00-0748	EA	1-1/2" C x F NPT Crimped Bronze Union	125.17	35.29
		For Work In Restricted Working Space, Add	*15.88*	
22 11 16 00-0749	EA	2" C x F NPT Crimped Bronze Union	172.26	51.11
		For Work In Restricted Working Space, Add	*22.96*	

22 11 16 00-0750 C x C Crimped Bronze Unions *(22 11 16 00-0657)*

22 11 16 00-0751	EA	1/2" C x C Bronze Crimped Union	44.62	15.57
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-0752	EA	3/4" C x C Bronze Crimped Union	54.48	17.77
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-0753	EA	1" C x C Bronze Crimped Union	76.33	21.15
		For Work In Restricted Working Space, Add	*9.53*	
22 11 16 00-0754	EA	1-1/4" C x C Bronze Crimped Union	98.63	23.35
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-0755	EA	1-1/2" C x C Bronze Crimped Union	125.31	25.95
		For Work In Restricted Working Space, Add	*11.68*	
22 11 16 00-0756	EA	2" C x C Bronze Crimped Union	187.78	31.13
		For Work In Restricted Working Space, Add	*14.01*	

22 11 16 00-0757 C x Flange Crimped Bronze Flange *(22 11 16 00-0657)*

22 11 16 00-0758	EA	2-1/2" C x Flange Crimped Bronze Flange	356.55	36.32
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-0759	EA	3" C x Flange Crimped Bronze Flange	389.99	43.19
		For Work In Restricted Working Space, Add	*19.46*	
22 11 16 00-0760	EA	4" C x Flange Crimped Bronze Flange	449.58	57.08
		For Work In Restricted Working Space, Add	*25.68*	

22 11 16 00-0761 Field Installed FKM Seals *(22 11 16 00-0657)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0762	EA	1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	7.54	
		For Work In Restricted Working Space, Add	*1.75*	
22 11 16 00-0763	EA	3/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	9.42	
		For Work In Restricted Working Space, Add	*2.04*	
22 11 16 00-0764	EA	1" Field Installed FKM Seal Note: To be used in conjunction with fittings.	10.80	
		For Work In Restricted Working Space, Add	*2.34*	
22 11 16 00-0765	EA	1-1/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	12.37	
		For Work In Restricted Working Space, Add	*2.63*	
22 11 16 00-0766	EA	1-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	16.88	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0767	EA	2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	18.89	
		For Work In Restricted Working Space, Add	*3.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0768	EA	2-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	27.37	
		For Work In Restricted Working Space, Add	*4.09*	
22 11 16 00-0769	EA	3" Field Installed FKM Seal Note: To be used in conjunction with fittings.	31.57	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-0770	EA	4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	42.87	
		For Work In Restricted Working Space, Add	*6.42*	

22 11 16 00-0771 Cut And Prepare Existing In-Place Copper Pipe *(22 11 16 00-0383)*

22 11 16 00-0772	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	12.97	
22 11 16 00-0773	EA	3/4", Cut And Prepare Existing In Place Copper Pipe	14.01	
22 11 16 00-0774	EA	1", Cut And Prepare Existing In Place Copper Pipe	15.76	
22 11 16 00-0775	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe	16.54	
22 11 16 00-0776	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe	17.51	
22 11 16 00-0777	EA	2", Cut And Prepare Existing In Place Copper Pipe	19.27	
22 11 16 00-0778	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe	20.76	
22 11 16 00-0779	EA	3", Cut And Prepare Existing In Place Copper Pipe	24.52	
22 11 16 00-0780	EA	4", Cut And Prepare Existing In Place Copper Pipe	33.08	
22 11 16 00-0781	EA	6", Cut And Prepare Existing In Place Copper Pipe	47.27	
22 11 16 00-0782	EA	8", Cut And Prepare Existing In Place Copper Pipe	63.04	

22 11 16 00-0783 Sweat Brass Companion Flanges *(22 11 16 00-0383)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0784	EA	1" Sweat Brass Companion Flange	63.89	19.95
22 11 16 00-0785	EA	1-1/4" Sweat Brass Companion Flange	69.78	21.97
22 11 16 00-0786	EA	1-1/2" Sweat Brass Companion Flange	97.41	23.89
22 11 16 00-0787	EA	2" Sweat Brass Companion Flange	128.61	26.51
22 11 16 00-0788	EA	2-1/2" Sweat Brass Companion Flange	160.75	31.89
22 11 16 00-0789	EA	3" Sweat Brass Companion Flange	179.64	41.80
22 11 16 00-0790	EA	4" Sweat Brass Companion Flange	237.81	49.81
22 11 16 00-0791	EA	5" Sweat Brass Companion Flange	445.26	58.33
22 11 16 00-0792	EA	6" Sweat Brass Companion Flange	522.50	84.75
22 11 16 00-0793	EA	8" Copper Companion Flange	1,165.42	120.89

22 11 16 00-0794 Brass Compression Fittings *(22 11 16 00-0383)*

22 11 16 00-0795 Brass Compression Unions *(22 11 16 00-0794)*

22 11 16 00-0796	EA	1/4" Brass Compression Union	22.09	14.01
22 11 16 00-0797	EA	3/8" Brass Compression Union	22.39	14.01
22 11 16 00-0798	EA	1/2" Brass Compression Union	23.30	14.01
22 11 16 00-0799	EA	5/8" Brass Compression Union	23.73	14.01
22 11 16 00-0800	EA	3/4" Brass Compression Union	32.89	14.01
22 11 16 00-0801	EA	3/8" x 1/4" Brass Compression Union	22.60	14.01
22 11 16 00-0802	EA	1/2" x 3/8" Brass Compression Union	23.37	14.01
22 11 16 00-0803	EA	5/8" x 3/8" Brass Compression Union	23.91	14.01
22 11 16 00-0804	EA	5/8" x 1/2" Brass Compression Union	24.77	14.01

22 11 16 00-0805 Brass Compression Union Elbows *(22 11 16 00-0794)*

22 11 16 00-0806	EA	1/4" Brass Compression Union Elbow	23.30	14.01
22 11 16 00-0807	EA	3/8" Brass Compression Union Elbow	23.79	14.01
22 11 16 00-0808	EA	1/2" Brass Compression Union Elbow	24.87	14.01
22 11 16 00-0809	EA	5/8" Brass Compression Union Elbow	26.54	14.01
22 11 16 00-0810	EA	3/4" Brass Compression Union Elbow	33.07	14.01
22 11 16 00-0811	EA	3/8" x 1/4" Brass Compression Union Elbow	23.79	14.01
22 11 16 00-0812	EA	1/2" x 3/8" Brass Compression Union Elbow	24.87	14.01
22 11 16 00-0813	EA	5/8" x 3/8" Brass Compression Union Elbow	25.17	14.01
22 11 16 00-0814	EA	5/8" x 1/2" Brass Compression Union Elbow	30.07	14.01

22 11 16 00-0815 Brass Compression Union Tees *(22 11 16 00-0794)*

22 11 16 00-0816	EA	1/4" Brass Compression Union Tee	23.67	14.01
22 11 16 00-0817	EA	3/8" Brass Compression Union Tee	24.69	14.01
22 11 16 00-0818	EA	1/2" Brass Compression Union Tee	25.77	14.01
22 11 16 00-0819	EA	5/8" Brass Compression Union Tee	29.18	14.01
22 11 16 00-0820	EA	3/4" Brass Compression Union Tee	40.96	14.01
22 11 16 00-0821	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	25.41	14.01
22 11 16 00-0822	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	30.94	14.01
22 11 16 00-0823	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	30.41	14.01
22 11 16 00-0824	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	31.03	14.01

22 11 16 00-0825 Brass Compression Male Connectors *(22 11 16 00-0794)*

22 11 16 00-0826	EA	1/4" Brass Compression Male Connector	21.88	14.01
22 11 16 00-0827	EA	3/8" Brass Compression Male Connector	22.27	14.01
22 11 16 00-0828	EA	1/2" Brass Compression Male Connector	22.95	14.01
22 11 16 00-0829	EA	5/8" Brass Compression Male Connector	23.97	14.01
22 11 16 00-0830	EA	3/4" Brass Compression Male Connector	29.32	13.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0831		**Brass Compression Female Connectors** *(22 11 16 00-0794)*		
22 11 16 00-0832	EA	1/4" Brass Compression Female Connector	22.31	14.01
22 11 16 00-0833	EA	3/8" Brass Compression Female Connector	22.82	14.01
22 11 16 00-0834	EA	1/2" Brass Compression Female Connector	23.69	14.01
22 11 16 00-0835	EA	5/8" Brass Compression Female Connector	24.24	14.01
22 11 16 00-0836	EA	3/4" Brass Compression Female Connector	37.65	13.75
22 11 16 00-0837		**Dielectric Fittings** *(22 11 16 00-0383)*		
22 11 16 00-0838		**Copper x Female Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0837)*		
22 11 16 00-0839	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	54.34	31.13
22 11 16 00-0840	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	60.82	35.55
22 11 16 00-0841	EA	1" Copper x Female Iron Pipe Thread Dielectric Union	71.82	39.06
22 11 16 00-0842	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	86.30	43.00
22 11 16 00-0843	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	103.63	47.77
22 11 16 00-0844	EA	2" Copper x Female Iron Pipe Thread Dielectric Union	131.04	57.33
22 11 16 00-0845		**Female Brass Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0837)*		
22 11 16 00-0846	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	59.17	31.13
22 11 16 00-0847	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	68.78	35.55
22 11 16 00-0848	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union	82.31	39.06
22 11 16 00-0849	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	100.21	43.00
22 11 16 00-0850	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	120.84	47.77
22 11 16 00-0851	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union	151.22	57.33
22 11 16 00-0852		**Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0837)*		
22 11 16 00-0853	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	56.11	31.13
22 11 16 00-0854	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	63.73	35.55
22 11 16 00-0855	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	72.59	39.06
22 11 16 00-0856	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	83.61	43.00
22 11 16 00-0857	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	100.96	47.77
22 11 16 00-0858	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	128.90	57.33
22 11 16 00-0859		**Copper x Female Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0837)*		
22 11 16 00-0860	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	320.34	147.39
22 11 16 00-0861	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange	401.22	185.61
22 11 16 00-0862	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange	564.11	252.62
22 11 16 00-0863		**Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0837)*		
22 11 16 00-0864	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	322.32	147.39
22 11 16 00-0865	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	417.06	185.61
22 11 16 00-0866	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	746.76	252.62
22 11 16 00-0867		**Brass Push-Fit Fittings** *(22 11 16)*		
22 11 16 00-0868	EA	1/4" x 1/4" Brass Push-Fit Coupling Note: (Sharkbite)	27.87	12.97
22 11 16 00-0869	EA	3/8" x 3/8" Brass Push-Fit Coupling Note: (Sharkbite)	34.59	13.84
22 11 16 00-0870	EA	1/2" x 1/2" Brass Push-Fit Coupling Note: (Sharkbite)	35.85	15.57
22 11 16 00-0871	EA	5/8" x 5/8" Brass Push-Fit Coupling Note: (Sharkbite)	41.25	16.60
22 11 16 00-0872	EA	3/4" x 3/4" Brass Push-Fit Coupling Note: (Sharkbite)	42.06	17.73
22 11 16 00-0873	EA	1" x 1" Brass Push-Fit Coupling Note: (Sharkbite)	59.11	21.18
22 11 16 00-0874	EA	1/2" x 3/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	35.22	14.70
22 11 16 00-0875	EA	3/4" x 5/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	40.77	16.09
22 11 16 00-0876	EA	1" x 3/4" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	60.73	19.46
22 11 16 00-0877	EA	1/4" x 1/4" Brass Push-Fit Elbow Note: (Sharkbite)	29.09	12.97
22 11 16 00-0878	EA	3/8" x 3/8" Brass Push-Fit Elbow Note: (Sharkbite)	39.77	13.84
22 11 16 00-0879	EA	1/2" x 1/2" Brass Push-Fit Elbow Note: (Sharkbite)	36.52	15.57
22 11 16 00-0880	EA	5/8" x 5/8" Brass Push-Fit Elbow Note: (Sharkbite)	44.26	16.60
22 11 16 00-0881	EA	3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	41.20	17.73
22 11 16 00-0882	EA	1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	59.77	21.18
22 11 16 00-0883	EA	1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	34.66	14.70
22 11 16 00-0884	EA	3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	38.63	16.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0885	EA	1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	75.55	19.46
22 11 16 00-0886	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	44.13	19.46
22 11 16 00-0887	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	55.87	20.76
22 11 16 00-0888	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	51.17	23.35
22 11 16 00-0889	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	65.13	24.90
22 11 16 00-0890	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	59.69	26.59
22 11 16 00-0891	EA	1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	81.60	31.78
22 11 16 00-0892	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	57.42	22.05
22 11 16 00-0893	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	57.74	22.48
22 11 16 00-0894	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	57.62	25.52
22 11 16 00-0895	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	79.16	30.05
22 11 16 00-0896	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.17	14.27
22 11 16 00-0897	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	32.78	14.70
22 11 16 00-0898	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	32.40	15.57
22 11 16 00-0899	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	37.10	17.73
22 11 16 00-0900	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	52.14	21.18
22 11 16 00-0901	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	29.01	14.27
22 11 16 00-0902	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	32.78	14.70
22 11 16 00-0903	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	32.49	15.57
22 11 16 00-0904	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	36.73	17.73
22 11 16 00-0905	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	39.91	17.16
22 11 16 00-0906	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	47.89	19.46
22 11 16 00-0907	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	52.91	21.18
22 11 16 00-0908	EA	1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	46.79	15.57
22 11 16 00-0909	EA	3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	54.70	17.73
22 11 16 00-0910	EA	1" Brass Push-Fit Ball Valve Note: (Sharkbite)	72.26	21.18
22 11 16 00-0911	EA	1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	50.13	15.57
22 11 16 00-0912	EA	3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	60.34	17.73
22 11 16 00-0913	EA	1" Brass Push-Fit Check Valve Note: (Sharkbite)	101.60	21.18

22 11 16 00-0914 Copper Pipe With Fittings And Hangers Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0915	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	26.24	3.63
		For Type K Tubing Instead Of Type L, Add	*1.85*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.53*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.34*	
		For For Brazed Fittings, Add	*0.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.33*	
		For Work In Restricted Working Space, Add	*6.09*	
22 11 16 00-0916	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	30.68	4.67
		For Type K Tubing Instead Of Type L, Add	*2.26*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.83*	
		For For Brazed Fittings, Add	*0.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.68*	
		For Work In Restricted Working Space, Add	*6.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0917	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	34.23	5.57
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.73*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.18*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.12*	
		For For Brazed Fittings, Add	*0.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.92*	
		For Work In Restricted Working Space, Add	*7.23*	
22 11 16 00-0918	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	39.09	6.49
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*3.45*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.46*	
		For For Brazed Fittings, Add	*1.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.21*	
		For Work In Restricted Working Space, Add	*7.51*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.41*	
22 11 16 00-0919	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	43.91	7.40
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*4.07*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.13*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.87*	
		For For Brazed Fittings, Add	*1.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.53*	
		For Work In Restricted Working Space, Add	*8.01*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.72*	
22 11 16 00-0920	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	56.42	9.21
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*5.71*	
		For Type M Tubing Instead Of Type L, Deduct	*-4.31*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.89*	
		For For Brazed Fittings, Add	*1.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.36*	
		For Work In Restricted Working Space, Add	*9.22*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.57*	
22 11 16 00-0921	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	70.31	11.11
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*7.83*	
		For Type M Tubing Instead Of Type L, Deduct	*-5.80*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.81*	
		For For Brazed Fittings, Add	*1.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.16*	
		For Work In Restricted Working Space, Add	*9.89*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-3.74*	
22 11 16 00-0922	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	86.33	12.90
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*10.26*	
		For Type M Tubing Instead Of Type L, Deduct	*-7.50*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.89*	
		For For Brazed Fittings, Add	*1.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.10*	
		For Work In Restricted Working Space, Add	*10.71*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-5.06*	
22 11 16 00-0923	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	136.31	17.08
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*17.57*	
		For Type M Tubing Instead Of Type L, Deduct	*-12.67*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.43*	
		For For Brazed Fittings, Add	*1.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.12*	
		For Work In Restricted Working Space, Add	*13.85*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-9.02*	
22 11 16 00-0924	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	238.79	21.26
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*33.68*	
		For Type M Tubing Instead Of Type L, Deduct	*-23.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*17.86*	
		For For Brazed Fittings, Add	*2.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.90*	
		For Work In Restricted Working Space, Add	*17.77*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-17.96*	
22 11 16 00-0925	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	311.97	25.68
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*44.30*	
		For Type M Tubing Instead Of Type L, Deduct	*-31.42*	
		For Silver Solder Instead Of 95/5 Solder, Add	*23.12*	
		For For Brazed Fittings, Add	*3.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.36*	
		For Work In Restricted Working Space, Add	*22.57*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-23.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0926	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	650.84	30.70
		For Type K Tubing Instead Of Type L, Add	*100.94*	
		For Type M Tubing Instead Of Type L, Deduct	*-70.62*	
		For Silver Solder Instead Of 95/5 Solder, Add	*41.89*	
		For For Brazed Fittings, Add	*3.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.22*	
		For Work In Restricted Working Space, Add	*28.05*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-55.73*	

22 11 16 00-0927 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*

Note: Socket weld.

22 11 16 00-0928 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0927)*

22 11 16 00-0929 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0928)*

22 11 16 00-0930	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.31	1.91
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0931	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.13	2.00
		For Work In Restricted Working Space, Add	*1.50*	
22 11 16 00-0932	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.51	2.16
		For Work In Restricted Working Space, Add	*1.62*	
22 11 16 00-0933	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	10.19	2.36
		For Work In Restricted Working Space, Add	*1.77*	
22 11 16 00-0934	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	11.71	2.61
		For Work In Restricted Working Space, Add	*1.96*	
22 11 16 00-0935	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	14.48	2.92
		For Work In Restricted Working Space, Add	*2.18*	
22 11 16 00-0936	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	19.28	3.31
		For Work In Restricted Working Space, Add	*2.48*	
22 11 16 00-0937	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	24.49	3.92
		For Work In Restricted Working Space, Add	*2.93*	
22 11 16 00-0938	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	33.61	4.81
		For Work In Restricted Working Space, Add	*3.61*	
22 11 16 00-0939	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	57.03	6.12
		For Work In Restricted Working Space, Add	*4.59*	
22 11 16 00-0940	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	81.61	8.02
		For Work In Restricted Working Space, Add	*6.02*	

22 11 16 00-0941 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0928)*

22 11 16 00-0942	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	25.12	9.08
		For Work In Restricted Working Space, Add	*6.81*	
22 11 16 00-0943	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	32.43	11.46
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0944	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	41.90	14.33
		For Work In Restricted Working Space, Add	*10.79*	
22 11 16 00-0945	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	56.37	17.92
		For Work In Restricted Working Space, Add	*13.47*	
22 11 16 00-0946	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	62.61	19.83
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0947	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	72.86	19.83
		For Work In Restricted Working Space, Add	*16.63*	
22 11 16 00-0948	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	108.48	25.20
		For Work In Restricted Working Space, Add	*18.92*	
22 11 16 00-0949	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	123.88	29.87
		For Work In Restricted Working Space, Add	*22.36*	
22 11 16 00-0950	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	174.03	36.67
		For Work In Restricted Working Space, Add	*27.52*	
22 11 16 00-0951	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	219.73	46.58
		For Work In Restricted Working Space, Add	*34.97*	
22 11 16 00-0952	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	405.37	61.15
		For Work In Restricted Working Space, Add	*45.87*	

22 11 16 00-0953 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0928)*

22 11 16 00-0954	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	26.33	9.08
		For Work In Restricted Working Space, Add	*6.81*	
22 11 16 00-0955	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	33.88	11.46
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0956	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	44.25	14.33
		For Work In Restricted Working Space, Add	*10.79*	
22 11 16 00-0957	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	59.46	17.92
		For Work In Restricted Working Space, Add	*13.47*	
22 11 16 00-0958	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	66.38	19.83
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0959	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	74.13	22.22
		For Work In Restricted Working Space, Add	*16.63*	
22 11 16 00-0960	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	109.28	25.20
		For Work In Restricted Working Space, Add	*18.92*	
22 11 16 00-0961	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	123.78	29.87
		For Work In Restricted Working Space, Add	*22.36*	
22 11 16 00-0962	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	159.29	36.67
		For Work In Restricted Working Space, Add	*27.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0963	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	247.38	46.58
		For Work In Restricted Working Space, Add	*34.97*	
22 11 16 00-0964	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	424.95	61.15
		For Work In Restricted Working Space, Add	*45.87*	

22 11 16 00-0965 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0928)*

22 11 16 00-0966	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	38.44	13.62
		For Work In Restricted Working Space, Add	*10.21*	
22 11 16 00-0967	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	50.02	17.20
		For Work In Restricted Working Space, Add	*12.90*	
22 11 16 00-0968	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	62.62	21.62
		For Work In Restricted Working Space, Add	*16.19*	
22 11 16 00-0969	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	85.57	27.00
		For Work In Restricted Working Space, Add	*20.21*	
22 11 16 00-0970	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	95.39	29.87
		For Work In Restricted Working Space, Add	*22.36*	
22 11 16 00-0971	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	114.25	33.21
		For Work In Restricted Working Space, Add	*24.94*	
22 11 16 00-0972	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	145.72	37.87
		For Work In Restricted Working Space, Add	*28.38*	
22 11 16 00-0973	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	167.42	44.67
		For Work In Restricted Working Space, Add	*33.54*	
22 11 16 00-0974	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	203.31	55.06
		For Work In Restricted Working Space, Add	*41.28*	
22 11 16 00-0975	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	303.25	70.00
		For Work In Restricted Working Space, Add	*52.46*	
22 11 16 00-0976	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	596.89	91.73
		For Work In Restricted Working Space, Add	*68.80*	

22 11 16 00-0977 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0928)*

22 11 16 00-0978	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	49.18	18.16
		For Work In Restricted Working Space, Add	*13.62*	
22 11 16 00-0979	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	63.38	22.93
		For Work In Restricted Working Space, Add	*17.20*	
22 11 16 00-0980	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	79.34	28.79
		For Work In Restricted Working Space, Add	*21.57*	
22 11 16 00-0981	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	105.50	35.95
		For Work In Restricted Working Space, Add	*26.95*	
22 11 16 00-0982	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	117.35	39.77
		For Work In Restricted Working Space, Add	*29.81*	
22 11 16 00-0983	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	137.64	44.31
		For Work In Restricted Working Space, Add	*33.25*	
22 11 16 00-0984	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	170.16	50.40
		For Work In Restricted Working Space, Add	*37.84*	
22 11 16 00-0985	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	196.97	59.60
		For Work In Restricted Working Space, Add	*44.72*	
22 11 16 00-0986	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	240.05	73.34
		For Work In Restricted Working Space, Add	*55.04*	
22 11 16 00-0987	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	343.73	93.28
		For Work In Restricted Working Space, Add	*69.95*	
22 11 16 00-0988	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	622.36	122.31
		For Work In Restricted Working Space, Add	*91.73*	

22 11 16 00-0989 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0928)*

22 11 16 00-0990	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	22.47	8.36
		For Work In Restricted Working Space, Add	*6.31*	
22 11 16 00-0991	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	31.12	11.34
		For Work In Restricted Working Space, Add	*8.49*	
22 11 16 00-0992	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	49.92	14.81
		For Work In Restricted Working Space, Add	*11.11*	
22 11 16 00-0993	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	56.19	16.37
		For Work In Restricted Working Space, Add	*12.29*	
22 11 16 00-0994	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	65.74	18.28
		For Work In Restricted Working Space, Add	*13.73*	
22 11 16 00-0995	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	72.07	20.79
		For Work In Restricted Working Space, Add	*15.62*	
22 11 16 00-0996	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	87.11	24.60
		For Work In Restricted Working Space, Add	*18.45*	
22 11 16 00-0997	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	116.74	30.22
		For Work In Restricted Working Space, Add	*22.72*	
22 11 16 00-0998	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	183.53	38.46
		For Work In Restricted Working Space, Add	*28.85*	
22 11 16 00-0999	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	389.02	50.40
		For Work In Restricted Working Space, Add	*37.84*	

22 11 16 00-1000 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0928)*

22 11 16 00-1001	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	24.40	5.97
		For Work In Restricted Working Space, Add	*4.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1002	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	31.23	8.36
		For Work In Restricted Working Space, Add	*6.31*	
22 11 16 00-1003	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	39.25	11.34
		For Work In Restricted Working Space, Add	*8.49*	
22 11 16 00-1004	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	49.22	14.81
		For Work In Restricted Working Space, Add	*11.11*	
22 11 16 00-1005	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	57.23	16.37
		For Work In Restricted Working Space, Add	*12.29*	
22 11 16 00-1006	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	70.91	18.28
		For Work In Restricted Working Space, Add	*13.73*	
22 11 16 00-1007	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	105.86	20.79
		For Work In Restricted Working Space, Add	*15.62*	
22 11 16 00-1008	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	201.99	24.60
		For Work In Restricted Working Space, Add	*18.45*	
22 11 16 00-1009	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	297.13	30.22
		For Work In Restricted Working Space, Add	*22.72*	

22 11 16 00-1010 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0928)*

22 11 16 00-1011	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	18.56	5.97
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-1012	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	25.92	8.36
		For Work In Restricted Working Space, Add	*6.31*	
22 11 16 00-1013	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	36.56	11.34
		For Work In Restricted Working Space, Add	*8.49*	
22 11 16 00-1014	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	49.22	14.81
		For Work In Restricted Working Space, Add	*11.11*	
22 11 16 00-1015	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	57.47	16.37
		For Work In Restricted Working Space, Add	*12.29*	
22 11 16 00-1016	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	68.06	18.28
		For Work In Restricted Working Space, Add	*13.73*	
22 11 16 00-1017	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	94.31	20.79
		For Work In Restricted Working Space, Add	*15.62*	
22 11 16 00-1018	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	112.57	24.60
		For Work In Restricted Working Space, Add	*18.45*	
22 11 16 00-1019	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	162.05	30.22
		For Work In Restricted Working Space, Add	*22.72*	

22 11 16 00-1020 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0928)*

22 11 16 00-1021	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	19.94	5.97
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-1022	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	26.36	8.36
		For Work In Restricted Working Space, Add	*6.31*	
22 11 16 00-1023	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	36.68	11.34
		For Work In Restricted Working Space, Add	*8.49*	
22 11 16 00-1024	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	49.62	14.81
		For Work In Restricted Working Space, Add	*11.11*	
22 11 16 00-1025	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	55.62	16.37
		For Work In Restricted Working Space, Add	*12.29*	
22 11 16 00-1026	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	66.55	18.28
		For Work In Restricted Working Space, Add	*13.73*	
22 11 16 00-1027	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	95.18	20.79
		For Work In Restricted Working Space, Add	*15.62*	
22 11 16 00-1028	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	127.82	24.60
		For Work In Restricted Working Space, Add	*18.45*	
22 11 16 00-1029	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	187.98	30.22
		For Work In Restricted Working Space, Add	*22.72*	

22 11 16 00-1030 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0928)*

22 11 16 00-1031	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	16.71	5.50
		For Work In Restricted Working Space, Add	*4.09*	
22 11 16 00-1032	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	23.48	7.64
		For Work In Restricted Working Space, Add	*5.73*	
22 11 16 00-1033	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	31.56	10.27
		For Work In Restricted Working Space, Add	*7.70*	
22 11 16 00-1034	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	42.45	13.50
		For Work In Restricted Working Space, Add	*10.10*	
22 11 16 00-1035	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	48.31	14.93
		For Work In Restricted Working Space, Add	*11.18*	
22 11 16 00-1036	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	54.39	16.60
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-1037	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	78.07	18.87
		For Work In Restricted Working Space, Add	*14.19*	
22 11 16 00-1038	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	86.97	22.34
		For Work In Restricted Working Space, Add	*16.77*	
22 11 16 00-1039	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	109.51	27.47
		For Work In Restricted Working Space, Add	*20.64*	
22 11 16 00-1040	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	167.75	35.00
		For Work In Restricted Working Space, Add	*26.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1041	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	277.42	45.87
		For Work In Restricted Working Space, Add	*34.40*	

22 11 16 00-1042 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions *(22 11 16 00-0928)*

22 11 16 00-1043	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	29.54	6.57
		For Work In Restricted Working Space, Add	*4.91*	
22 11 16 00-1044	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	36.74	9.20
		For Work In Restricted Working Space, Add	*6.88*	
22 11 16 00-1045	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	45.05	12.30
		For Work In Restricted Working Space, Add	*9.24*	
22 11 16 00-1046	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	73.86	16.13
		For Work In Restricted Working Space, Add	*12.11*	
22 11 16 00-1047	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	78.77	17.92
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-1048	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	106.50	19.95
		For Work In Restricted Working Space, Add	*14.98*	
22 11 16 00-1049	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	174.03	22.70
		For Work In Restricted Working Space, Add	*17.02*	
22 11 16 00-1050	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	244.40	26.88
		For Work In Restricted Working Space, Add	*20.14*	
22 11 16 00-1051	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	383.89	32.97
		For Work In Restricted Working Space, Add	*24.76*	
22 11 16 00-1052	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	511.87	41.92
		For Work In Restricted Working Space, Add	*31.46*	
22 11 16 00-1053	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	634.76	55.06
		For Work In Restricted Working Space, Add	*41.28*	

22 11 16 00-1054 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0928)*

22 11 16 00-1055	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	13.39	5.62
		For Work In Restricted Working Space, Add	*2.56*	
22 11 16 00-1056	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	17.67	7.05
		For Work In Restricted Working Space, Add	*3.23*	
22 11 16 00-1057	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	25.72	8.84
		For Work In Restricted Working Space, Add	*4.05*	
22 11 16 00-1058	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	30.25	6.68
		For Work In Restricted Working Space, Add	*5.05*	
22 11 16 00-1059	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	32.30	7.41
		For Work In Restricted Working Space, Add	*5.59*	
22 11 16 00-1060	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	42.80	8.36
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-1061	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	63.28	9.43
		For Work In Restricted Working Space, Add	*7.09*	
22 11 16 00-1062	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	68.50	11.22
		For Work In Restricted Working Space, Add	*8.39*	
22 11 16 00-1063	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	102.78	13.74
		For Work In Restricted Working Space, Add	*10.32*	
22 11 16 00-1064	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	213.90	17.43
		For Work In Restricted Working Space, Add	*13.12*	
22 11 16 00-1065	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	275.85	22.93
		For Work In Restricted Working Space, Add	*17.20*	

22 11 16 00-1066 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges *(22 11 16 00-0928)*

22 11 16 00-1067	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	22.63	4.30
		For Work In Restricted Working Space, Add	*3.26*	
22 11 16 00-1068	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	27.89	6.09
		For Work In Restricted Working Space, Add	*4.59*	
22 11 16 00-1069	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	34.58	8.24
		For Work In Restricted Working Space, Add	*6.16*	
22 11 16 00-1070	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	41.44	10.75
		For Work In Restricted Working Space, Add	*8.10*	
22 11 16 00-1071	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	44.65	11.95
		For Work In Restricted Working Space, Add	*8.96*	
22 11 16 00-1072	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	52.86	13.26
		For Work In Restricted Working Space, Add	*9.96*	
22 11 16 00-1073	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	68.55	15.17
		For Work In Restricted Working Space, Add	*11.36*	
22 11 16 00-1074	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	78.13	17.92
		For Work In Restricted Working Space, Add	*13.40*	
22 11 16 00-1075	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	97.45	21.97
		For Work In Restricted Working Space, Add	*16.52*	
22 11 16 00-1076	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	136.65	27.95
		For Work In Restricted Working Space, Add	*21.00*	
22 11 16 00-1077	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	242.09	36.67
		For Work In Restricted Working Space, Add	*27.52*	

22 11 16 00-1078 Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe *(22 11 16)*

22 11 16 00-1079 Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe *(22 11 16 00-1078)*

Note: Aquatherm greenpipe®

22 11 16 00-1080	LF	1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	5.39	2.03
22 11 16 00-1081	LF	3/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	6.24	2.12
22 11 16 00-1082	LF	1" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	8.39	2.54
22 11 16 00-1083	LF	1-1/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	10.44	2.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1084	LF	1-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	14.27	3.06
22 11 16 00-1085	LF	2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	18.68	3.12
22 11 16 00-1086	LF	2-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	26.60	4.23
22 11 16 00-1087	LF	3" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	35.10	4.90
22 11 16 00-1088	LF	3-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	46.95	5.48
22 11 16 00-1089	LF	4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	55.40	6.05

22 11 16 00-1090 Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe *(22 11 16 00-1078)*

Note: Aquatherm greenpipe®

22 11 16 00-1091	LF	1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	4.97	2.03
22 11 16 00-1092	LF	3/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.55	2.12
22 11 16 00-1093	LF	1" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	7.15	2.54
22 11 16 00-1094	LF	1-1/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	8.62	2.72
22 11 16 00-1095	LF	1-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	11.10	3.06
22 11 16 00-1096	LF	2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	14.18	3.12
22 11 16 00-1097	LF	2-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	19.67	4.23
22 11 16 00-1098	LF	3" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	25.96	4.90
22 11 16 00-1099	LF	3-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	35.47	5.48
22 11 16 00-1100	LF	4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	41.80	6.05

22 11 16 00-1101 Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe *(22 11 16 00-1078)*

Note: Aquatherm greenpipe®.

22 11 16 00-1102	LF	1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	5.61	2.03
22 11 16 00-1103	LF	3/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.54	2.12
22 11 16 00-1104	LF	1" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	8.72	2.54
22 11 16 00-1105	LF	1-1/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	10.86	2.72
22 11 16 00-1106	LF	1-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	15.50	3.06
22 11 16 00-1107	LF	2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	19.35	3.12
22 11 16 00-1108	LF	2-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	27.55	4.23
22 11 16 00-1109	LF	3" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	37.48	4.90
22 11 16 00-1110	LF	3-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	46.82	5.48
22 11 16 00-1111	LF	4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	55.03	6.05

22 11 16 00-1112 Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe *(22 11 16 00-1078)*

Note: Aquatherm climatherm®.

22 11 16 00-1113	LF	1/2" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	4.96	2.03
22 11 16 00-1114	LF	3/4" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.63	2.12
22 11 16 00-1115	LF	1" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	6.69	2.54
22 11 16 00-1116	LF	1-1/4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	7.97	2.72
22 11 16 00-1117	LF	1-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	9.93	3.06
22 11 16 00-1118	LF	2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	12.40	3.12
22 11 16 00-1119	LF	2-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	17.23	4.23
22 11 16 00-1120	LF	3" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	22.56	4.90
22 11 16 00-1121	LF	3-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	29.88	5.49
22 11 16 00-1122	LF	4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	35.85	6.05
22 11 16 00-1123	LF	6" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	43.20	7.74
22 11 16 00-1124	LF	8" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	68.62	10.17

22 11 16 00-1125 Pipe Clamp For Polypropylene Random (PP-R) Pipe *(22 11 16 00-1078)*

22 11 16 00-1126	EA	1/2" Pipe Clamp For Polypropylene Pipe	13.60	5.02
22 11 16 00-1127	EA	3/4" Pipe Clamp For Polypropylene Pipe	14.14	5.02
22 11 16 00-1128	EA	1" Pipe Clamp For Polypropylene Pipe	14.51	5.02
22 11 16 00-1129	EA	1-1/4" Pipe Clamp For Polypropylene Pipe	14.63	5.02
22 11 16 00-1130	EA	1-1/2" Pipe Clamp For Polypropylene Pipe	15.05	5.02
22 11 16 00-1131	EA	2" Pipe Clamp For Polypropylene Pipe	16.26	5.02
22 11 16 00-1132	EA	2-1/2" Pipe Clamp For Polypropylene Pipe	18.01	5.02
22 11 16 00-1133	EA	3" Pipe Clamp For Polypropylene Pipe	18.61	5.02
22 11 16 00-1134	EA	3-1/2" Pipe Clamp For Polypropylene Pipe	19.46	5.02
22 11 16 00-1135	EA	4" Pipe Clamp For Polypropylene Pipe	20.60	5.02

22 11 16 00-1136 Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap *(22 11 16 00-1078)*

22 11 16 00-1137	EA	Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	4.65	
22 11 16 00-1138	EA	Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	4.80	
22 11 16 00-1139	EA	Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	4.87	
22 11 16 00-1140	EA	Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	4.93	

22 11 16 00-1141 Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp *(22 11 16 00-1078)*

22 11 16 00-1142	EA	1/2" Polypropylene Pipe Plastic Pipe Clamp	11.08	2.61
22 11 16 00-1143	EA	3/4" Polypropylene Pipe Plastic Pipe Clamp	11.45	2.61

22 11 16 00-1144 Polypropylene Random (PP-R), Heat Fusion, Socket Coupling *(22 11 16 00-1078)*

22 11 16 00-1145	EA	1/2" Polypropylene, Heat Fusion, Socket Coupling	9.64	4.06
22 11 16 00-1146	EA	3/4" Polypropylene, Heat Fusion, Socket Coupling	10.18	4.23
22 11 16 00-1147	EA	1" Polypropylene, Heat Fusion, Socket Coupling	12.42	5.08
22 11 16 00-1148	EA	1-1/4" Polypropylene, Heat Fusion, Socket Coupling	13.59	5.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1149	EA	1-1/2" Polypropylene, Heat Fusion, Socket Coupling	17.89	6.11
22 11 16 00-1150	EA	2" Polypropylene, Heat Fusion, Socket Coupling	23.80	6.23
22 11 16 00-1151	EA	2-1/2" Polypropylene, Heat Fusion, Socket Coupling	29.63	8.47
22 11 16 00-1152	EA	3" Polypropylene, Heat Fusion, Socket Coupling	47.49	9.80
22 11 16 00-1153	EA	3-1/2" Polypropylene, Heat Fusion, Socket Coupling	67.26	10.95
22 11 16 00-1154	EA	4" Polypropylene, Heat Fusion, Socket Coupling	83.72	12.10
22 11 16 00-1155		**Polypropylene Random (PP-R), Heat Fusion, Bushing** *(22 11 16 00-1078)*		
22 11 16 00-1156	EA	1" Polypropylene, Heat Fusion, Bushing	10.39	4.06
22 11 16 00-1157	EA	1-1/4" Polypropylene, Heat Fusion, Bushing	11.98	4.23
22 11 16 00-1158	EA	1-1/2" Polypropylene, Heat Fusion, Bushing	15.98	5.08
22 11 16 00-1159	EA	2" Polypropylene, Heat Fusion, Bushing	22.50	5.44
22 11 16 00-1160	EA	2-1/2" Polypropylene, Heat Fusion, Bushing	25.22	6.11
22 11 16 00-1161	EA	3" Polypropylene, Heat Fusion, Bushing	41.40	6.23
22 11 16 00-1162	EA	3-1/2" Polypropylene, Heat Fusion, Bushing	63.21	8.47
22 11 16 00-1163	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Bushing	76.06	9.80
22 11 16 00-1164	EA	4" x 3" Polypropylene, Heat Fusion, Bushing	92.12	10.95
22 11 16 00-1165	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Bushing	96.52	12.10
22 11 16 00-1166		**Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling** *(22 11 16 00-1078)*		
22 11 16 00-1167	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Coupling	13.89	4.23
22 11 16 00-1168	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Coupling	18.35	5.08
22 11 16 00-1169	EA	2" Polypropylene, Heat Fusion, Reducing Coupling	27.21	5.44
22 11 16 00-1170	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Coupling	30.16	6.11
22 11 16 00-1171	EA	3" Polypropylene, Heat Fusion, Reducing Coupling	36.64	6.23
22 11 16 00-1172	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	58.88	8.47
22 11 16 00-1173	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Coupling	76.40	10.29
22 11 16 00-1174	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	85.65	12.10
22 11 16 00-1175		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1176	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	17.85	8.11
22 11 16 00-1177	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Elbow	19.17	8.53
22 11 16 00-1178	EA	1" Polypropylene, Heat Fusion, 90 Degree Elbow	23.36	10.17
22 11 16 00-1179	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow	26.58	10.95
22 11 16 00-1180	EA	1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	34.40	12.16
22 11 16 00-1181	EA	2" Polypropylene, Heat Fusion, 90 Degree Elbow	40.29	12.40
22 11 16 00-1182	EA	2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	68.33	17.00
22 11 16 00-1183	EA	3" Polypropylene, Heat Fusion, 90 Degree Elbow	96.27	19.60
22 11 16 00-1184	EA	3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	124.85	21.90
22 11 16 00-1185	EA	4" Polypropylene, Heat Fusion, 90 Degree Elbow	173.25	24.20
22 11 16 00-1186		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1187	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow	17.85	8.11
22 11 16 00-1188	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	19.17	8.53
22 11 16 00-1189	EA	1" Polypropylene, Heat Fusion, 90 Degree Street Elbow	23.36	10.17
22 11 16 00-1190	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	26.58	10.95
22 11 16 00-1191		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1192	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	17.85	8.11
22 11 16 00-1193	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Elbow	19.17	8.53
22 11 16 00-1194	EA	1" Polypropylene, Heat Fusion, 45 Degree Elbow	23.36	10.17
22 11 16 00-1195	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow	26.58	10.95
22 11 16 00-1196	EA	1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	34.40	12.16
22 11 16 00-1197	EA	2" Polypropylene, Heat Fusion, 45 Degree Elbow	40.11	12.40
22 11 16 00-1198	EA	2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	67.91	17.00
22 11 16 00-1199	EA	3" Polypropylene, Heat Fusion, 45 Degree Elbow	101.83	19.60
22 11 16 00-1200	EA	3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	132.97	21.90
22 11 16 00-1201	EA	4" Polypropylene, Heat Fusion, 45 Degree Elbow	185.70	24.20
22 11 16 00-1202		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1203	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow	17.83	8.11
22 11 16 00-1204	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	19.17	8.53
22 11 16 00-1205	EA	1" Polypropylene, Heat Fusion, 45 Degree Street Elbow	23.36	10.17
22 11 16 00-1206	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	26.58	10.95
22 11 16 00-1207		**Polypropylene Random (PP-R), Heat Fusion, Tee** *(22 11 16 00-1078)*		
22 11 16 00-1208	EA	1/2" Polypropylene, Heat Fusion, Tee	26.53	12.16
22 11 16 00-1209	EA	3/4" Polypropylene, Heat Fusion, Tee	28.57	12.77
22 11 16 00-1210	EA	1" Polypropylene, Heat Fusion, Tee	34.23	15.18
22 11 16 00-1211	EA	1-1/4" Polypropylene, Heat Fusion, Tee	38.69	16.40
22 11 16 00-1212	EA	1-1/2" Polypropylene, Heat Fusion, Tee	53.39	18.27
22 11 16 00-1213	EA	2" Polypropylene, Heat Fusion, Tee	61.41	18.63
22 11 16 00-1214	EA	2-1/2" Polypropylene, Heat Fusion, Tee	91.38	25.47
22 11 16 00-1215	EA	3" Polypropylene, Heat Fusion, Tee	125.57	29.40
22 11 16 00-1216	EA	3-1/2" Polypropylene, Heat Fusion, Tee	169.72	32.82
22 11 16 00-1217	EA	4" Polypropylene, Heat Fusion, Tee	210.82	36.24

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1218		**Polypropylene Random (PP-R), Heat Fusion, Reducing Tee** *(22 11 16 00-1078)*		
22 11 16 00-1219	EA	1/2" Polypropylene, Heat Fusion, Reducing Tee	26.53	12.16
22 11 16 00-1220	EA	3/4" Polypropylene, Heat Fusion, Reducing Tee	28.57	12.77
22 11 16 00-1221	EA	1" Polypropylene, Heat Fusion, Reducing Tee	34.18	15.18
22 11 16 00-1222	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Tee	38.69	16.40
22 11 16 00-1223	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Tee	53.39	18.27
22 11 16 00-1224	EA	2" Polypropylene, Heat Fusion, Reducing Tee	59.95	18.63
22 11 16 00-1225	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Tee	87.92	25.47
22 11 16 00-1226	EA	3" Polypropylene, Heat Fusion, Reducing Tee	132.94	29.40
22 11 16 00-1227	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Tee	181.48	32.82
22 11 16 00-1228	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee	206.64	36.24
22 11 16 00-1229	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Tee	211.29	36.24
22 11 16 00-1230	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee	211.82	36.24
22 11 16 00-1231		**Polypropylene Random (PP-R), Heat Fusion, End Cap** *(22 11 16 00-1078)*		
22 11 16 00-1232	EA	1/2" Polypropylene, Heat Fusion, End Cap	10.51	4.06
22 11 16 00-1233	EA	3/4" Polypropylene, Heat Fusion, End Cap	11.51	4.23
22 11 16 00-1234	EA	1" Polypropylene, Heat Fusion, End Cap	13.86	5.08
22 11 16 00-1235	EA	1-1/4" Polypropylene, Heat Fusion, End Cap	16.70	5.44
22 11 16 00-1236	EA	1-1/2" Polypropylene, Heat Fusion, End Cap	20.23	6.11
22 11 16 00-1237	EA	2" Polypropylene, Heat Fusion, End Cap	25.87	6.23
22 11 16 00-1238	EA	2-1/2" Polypropylene, Heat Fusion, End Cap	36.38	8.47
22 11 16 00-1239	EA	3" Polypropylene, Heat Fusion, End Cap	63.51	9.80
22 11 16 00-1240	EA	3-1/2" Polypropylene, Heat Fusion, End Cap	74.72	10.95
22 11 16 00-1241	EA	4" Polypropylene, Heat Fusion, End Cap	104.64	12.10
22 11 16 00-1242		**Polypropylene Random (PP-R), Heat Fusion Outlet** *(22 11 16 00-1078)*		
22 11 16 00-1243	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	13.10	
22 11 16 00-1244	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	13.47	
22 11 16 00-1245	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	13.67	
22 11 16 00-1246	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	14.04	
22 11 16 00-1247	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet	14.61	
22 11 16 00-1248	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet	14.98	
22 11 16 00-1249	EA	2" x 1" Polypropylene, Heat Fusion Outlet	16.79	
22 11 16 00-1250	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	15.56	
22 11 16 00-1251	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	15.93	
22 11 16 00-1252	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet	17.74	
22 11 16 00-1253	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	18.59	
22 11 16 00-1254	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet	16.50	
22 11 16 00-1255	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet	16.87	
22 11 16 00-1256	EA	3" x 1" Polypropylene, Heat Fusion Outlet	18.68	
22 11 16 00-1257	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet	19.53	
22 11 16 00-1258	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	16.50	
22 11 16 00-1259	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	17.81	
22 11 16 00-1260	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet	19.62	
22 11 16 00-1261	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	20.47	
22 11 16 00-1262	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet	24.18	
22 11 16 00-1263	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet	18.39	
22 11 16 00-1264	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet	18.76	
22 11 16 00-1265	EA	4" x 1" Polypropylene, Heat Fusion Outlet	20.57	
22 11 16 00-1266	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet	21.42	
22 11 16 00-1267	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet	24.18	
22 11 16 00-1268	EA	4" x 2" Polypropylene, Heat Fusion Outlet	28.42	
22 11 16 00-1269		**Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included** *(22 11 16 00-1078)*		
22 11 16 00-1270	EA	1" Polypropylene, Flange Adaptor With Gaskets Included	15.47	5.08
22 11 16 00-1271	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included	17.14	5.44
22 11 16 00-1272	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included	22.00	6.11
22 11 16 00-1273	EA	2" Polypropylene, Flange Adaptor With Gaskets Included	23.49	6.23
22 11 16 00-1274	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included	32.38	8.47
22 11 16 00-1275	EA	3" Polypropylene, Flange Adaptor With Gaskets Included	50.99	9.80
22 11 16 00-1276	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included	68.66	10.95
22 11 16 00-1277	EA	4" Polypropylene, Flange Adaptor With Gaskets Included	143.30	12.10
22 11 16 00-1278		**Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern** *(22 11 16 00-1078)*		
22 11 16 00-1279	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	25.15	
22 11 16 00-1280	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	33.17	
22 11 16 00-1281	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	41.37	
22 11 16 00-1282	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	49.13	
22 11 16 00-1283	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	68.64	
22 11 16 00-1284	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	79.67	
22 11 16 00-1285	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	98.65	
22 11 16 00-1286	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	119.44	
22 11 16 00-1287		**Polypropylene Random (PP-R), Electrofusion Coupling** *(22 11 16 00-1078)*		
22 11 16 00-1288	EA	1/2" Polypropylene, Electrofusion Coupling	55.69	8.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1289	EA	3/4" Polypropylene, Electrofusion Coupling	58.09	8.53
22 11 16 00-1290	EA	1" Polypropylene, Electrofusion Coupling	66.27	10.17
22 11 16 00-1291	EA	1-1/4" Polypropylene, Electrofusion Coupling	68.59	10.95
22 11 16 00-1292	EA	1-1/2" Polypropylene, Electrofusion Coupling	74.68	12.16
22 11 16 00-1293	EA	2" Polypropylene, Electrofusion Coupling	97.82	12.40
22 11 16 00-1294	EA	2-1/2" Polypropylene, Electrofusion Coupling	120.52	17.00
22 11 16 00-1295	EA	3" Polypropylene, Electrofusion Coupling	149.63	19.60
22 11 16 00-1296	EA	3-1/2" Polypropylene, Electrofusion Coupling	200.62	21.90
22 11 16 00-1297	EA	4" Polypropylene, Electrofusion Coupling	245.76	24.20
22 11 16 00-1298		**Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1299	EA	1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	31.04	11.13
22 11 16 00-1300	EA	3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	36.23	11.55
22 11 16 00-1301		**Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1302	EA	1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	33.15	11.13
22 11 16 00-1303		**Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test** *(22 11 16 00-1078)*		
22 11 16 00-1304	EA	1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	9.30	4.06
22 11 16 00-1305	EA	3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	10.02	4.23
22 11 16 00-1306		**Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1307	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	23.73	8.11
22 11 16 00-1308	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	26.11	8.11
22 11 16 00-1309	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	24.58	8.53
22 11 16 00-1310	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	26.96	8.53
22 11 16 00-1311	EA	1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	31.21	10.17
22 11 16 00-1312		**Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1313	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	28.00	8.11
22 11 16 00-1314	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	30.02	8.11
22 11 16 00-1315	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	28.85	8.53
22 11 16 00-1316	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	30.87	8.53
22 11 16 00-1317	EA	1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	36.23	10.17
22 11 16 00-1318	EA	1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	52.63	10.17
22 11 16 00-1319	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	55.82	10.95
22 11 16 00-1320	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	72.94	10.95
22 11 16 00-1321	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	77.06	12.16
22 11 16 00-1322	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	83.52	12.16
22 11 16 00-1323	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	89.66	12.40
22 11 16 00-1324	EA	2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	116.48	12.40
22 11 16 00-1325	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	129.69	17.00
22 11 16 00-1326		**Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1327	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	33.91	8.11
22 11 16 00-1328	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	36.44	8.11
22 11 16 00-1329	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	34.76	8.53
22 11 16 00-1330	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	37.29	8.53
22 11 16 00-1331	EA	1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	44.21	10.17
22 11 16 00-1332		**Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1333	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	29.19	8.11
22 11 16 00-1334	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	31.04	8.11
22 11 16 00-1335	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	31.89	8.53
22 11 16 00-1336	EA	1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	45.18	10.17
22 11 16 00-1337	EA	1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	62.18	10.17
22 11 16 00-1338	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	47.67	10.95
22 11 16 00-1339	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	66.43	10.95
22 11 16 00-1340	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	70.32	12.16
22 11 16 00-1341	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	80.99	12.16
22 11 16 00-1342	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	91.95	12.40
22 11 16 00-1343	EA	2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	103.33	12.40
22 11 16 00-1344	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	114.40	17.00
22 11 16 00-1345	EA	2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	154.36	17.00
22 11 16 00-1346	EA	3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	226.92	19.60
22 11 16 00-1347	EA	3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	428.65	21.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1348		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1349	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	29.34	8.11
22 11 16 00-1350	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	24.99	8.11
22 11 16 00-1351	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	30.19	8.53
22 11 16 00-1352	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	25.84	8.53
22 11 16 00-1353	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	34.86	10.17
22 11 16 00-1354	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	51.78	10.17
22 11 16 00-1355		**Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1356	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	24.99	8.11
22 11 16 00-1357		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1358	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	27.17	8.11
22 11 16 00-1359	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	28.57	8.11
22 11 16 00-1360	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.42	8.53
22 11 16 00-1361	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	36.47	10.17
22 11 16 00-1362	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	49.04	10.17
22 11 16 00-1363		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee** *(22 11 16 00-1078)*		
22 11 16 00-1364	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	34.71	12.16
22 11 16 00-1365	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	38.16	12.16
22 11 16 00-1366	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	35.92	12.77
22 11 16 00-1367	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	39.37	12.77
22 11 16 00-1368	EA	1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	46.51	15.18
22 11 16 00-1369	EA	1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	61.96	15.18
22 11 16 00-1370	EA	1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	72.12	18.27
22 11 16 00-1371		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee** *(22 11 16 00-1078)*		
22 11 16 00-1372	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee	37.03	12.16
22 11 16 00-1373		**Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting** *(22 11 16 00-1078)*		
22 11 16 00-1374	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	24.76	4.06
22 11 16 00-1375		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT** *(22 11 16 00-1078)*		
22 11 16 00-1376	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	21.87	
22 11 16 00-1377	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	27.73	
22 11 16 00-1378	EA	1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	37.93	
22 11 16 00-1379		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT** *(22 11 16 00-1078)*		
22 11 16 00-1380	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	25.24	
22 11 16 00-1381	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	33.97	
22 11 16 00-1382		**Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor** *(22 11 16 00-1078)*		
22 11 16 00-1383	EA	1/2" Polypropylene, Heat Fusion, PEX Adaptor	17.87	4.06
22 11 16 00-1384	EA	3/4" Polypropylene, Heat Fusion, PEX Adaptor	26.26	4.23
22 11 16 00-1385	EA	1" Polypropylene, Heat Fusion, PEX Adaptor	34.28	5.08
22 11 16 00-1386		**Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body** *(22 11 16 00-1078)*		
22 11 16 00-1387	EA	1/2" Polypropylene, Heat Fusion, FIP Stop Valve Body	25.31	8.89
22 11 16 00-1388	EA	3/4" Polypropylene, Heat Fusion, FIP Stop Valve Body	26.28	9.38
22 11 16 00-1389	EA	1" Polypropylene, Heat Fusion, FIP Stop Valve Body	36.65	11.13
22 11 16 00-1390	EA	1-1/4" Polypropylene, Heat Fusion, FIP Stop Valve Body	54.86	12.04
22 11 16 00-1391		**Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve** *(22 11 16 00-1078)*		
22 11 16 00-1392	EA	1/2" Polypropylene, Heat Fusion, Inclined Check Valve	68.79	8.89
22 11 16 00-1393	EA	3/4" Polypropylene, Heat Fusion, Inclined Check Valve	69.76	9.38
22 11 16 00-1394	EA	1" Polypropylene, Heat Fusion, Inclined Check Valve	83.34	11.13
22 11 16 00-1395	EA	1-1/4" Polypropylene, Heat Fusion, Inclined Check Valve	135.03	12.04
22 11 16 00-1396		**Polypropylene Random (PP-R), Heat Fusion, Ball Valve** *(22 11 16 00-1078)*		
22 11 16 00-1397	EA	1/2" Polypropylene, Heat Fusion, Ball Valve	63.79	8.89
22 11 16 00-1398	EA	3/4" Polypropylene, Heat Fusion, Ball Valve	70.56	9.38
22 11 16 00-1399	EA	1" Polypropylene, Heat Fusion, Ball Valve	85.51	11.13
22 11 16 00-1400	EA	1-1/4" Polypropylene, Heat Fusion, Ball Valve	119.72	12.04
22 11 16 00-1401	EA	1-1/2" Polypropylene, Heat Fusion, Ball Valve	172.93	13.37
22 11 16 00-1402	EA	2" Polypropylene, Heat Fusion, Ball Valve	261.18	13.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1403		**Extension For Ball Valve** *(22 11 16 00-1078)*		
22 11 16 00-1404	EA	Extension For 1/2" to 3/4" Ball Valve, 1-3/8" Length	32.32	
22 11 16 00-1405	EA	Extension For 1" to 1-1/4" Ball Valve, 1-3/8" Length	32.37	
22 11 16 00-1406	EA	Extension For 1-1/2" to 2" Ball Valve, 1-3/4" Length	35.33	
22 11 16 00-1407		**Polypropylene Random (PP-R), Heat Fusion, Draining Branch** *(22 11 16 00-1078)*		
22 11 16 00-1408	EA	1/2" Polypropylene, Heat Fusion, Draining Branch	31.96	8.11
22 11 16 00-1409	EA	3/4" Polypropylene, Heat Fusion, Draining Branch	32.81	8.53
22 11 16 00-1410	EA	1" Polypropylene, Heat Fusion, Draining Branch	37.74	10.17
22 11 16 00-1411	EA	1-1/4" Polypropylene, Heat Fusion, Draining Branch	39.32	10.95
22 11 16 00-1412	EA	1-1/2" Polypropylene, Heat Fusion, Draining Branch	43.19	12.16
22 11 16 00-1413	EA	2" Polypropylene, Heat Fusion, Draining Branch	46.21	12.40
22 11 16 00-1414		**Red Brass Pipe And Fittings** *(22 11 16)*		
		Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1415		**Schedule 40 Red Brass Pipe** *(22 11 16 00-1414)*		
22 11 16 00-1416	LF	1/2" Schedule 40 Red Brass Pipe	30.71	2.51
22 11 16 00-1417	LF	3/4" Schedule 40 Red Brass Pipe	40.57	2.51
22 11 16 00-1418	LF	1" Schedule 40 Red Brass Pipe	55.23	2.51
22 11 16 00-1419	LF	1-1/4" Schedule 40 Red Brass Pipe	80.85	2.75
22 11 16 00-1420	LF	1-1/2" Schedule 40 Red Brass Pipe	93.08	2.99
22 11 16 00-1421	LF	2" Schedule 40 Red Brass Pipe	119.25	3.58
22 11 16 00-1422	LF	2-1/2" Schedule 40 Red Brass Pipe	173.26	4.06
22 11 16 00-1423	LF	3" Schedule 40 Red Brass Pipe	244.58	4.30
22 11 16 00-1424	LF	4" Schedule 40 Red Brass Pipe	350.39	4.30
22 11 16 00-1425		**125 LB Cast Bronze, Screwed, 90 Degree Elbows** *(22 11 16 00-1414)*		
22 11 16 00-1426	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	68.89	29.74
22 11 16 00-1427	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	77.98	32.72
22 11 16 00-1428	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	97.75	38.70
22 11 16 00-1429	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	116.31	41.56
22 11 16 00-1430	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	130.11	44.55
22 11 16 00-1431	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	161.22	47.54
22 11 16 00-1432	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	271.61	59.48
22 11 16 00-1433	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	375.88	71.31
22 11 16 00-1434	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	662.39	95.07
22 11 16 00-1435		**125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows** *(22 11 16 00-1414)*		
22 11 16 00-1436	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	72.04	29.74
22 11 16 00-1437	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	82.56	32.72
22 11 16 00-1438	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	107.33	38.70
22 11 16 00-1439	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	128.88	41.56
22 11 16 00-1440	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	147.41	44.55
22 11 16 00-1441	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	198.99	47.54
22 11 16 00-1442	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	303.08	59.48
22 11 16 00-1443	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	472.61	71.31
22 11 16 00-1444	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	936.11	95.07
22 11 16 00-1445		**125 LB Cast Bronze, Screwed, 45 Degree Elbows** *(22 11 16 00-1414)*		
22 11 16 00-1446	EA	1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	70.49	29.74
22 11 16 00-1447	EA	3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	81.11	32.72
22 11 16 00-1448	EA	1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	104.05	38.70
22 11 16 00-1449	EA	1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	125.75	41.56
22 11 16 00-1450	EA	1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	142.68	44.55
22 11 16 00-1451	EA	2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	181.67	47.54
22 11 16 00-1452	EA	2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	284.15	59.48
22 11 16 00-1453	EA	3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	397.36	71.31
22 11 16 00-1454	EA	4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	872.51	95.07
22 11 16 00-1455		**125 Lb. Cast Bronze, Screwed, Tees** *(22 11 16 00-1414)*		
22 11 16 00-1456	EA	1/2", 125 Lb., Cast Bronze, Screwed, Tee	100.20	44.55
22 11 16 00-1457	EA	3/4", 125 Lb., Cast Bronze, Screwed, Tee	113.21	48.73
22 11 16 00-1458	EA	1", 125 Lb., Cast Bronze, Screwed, Tee	143.68	57.69
22 11 16 00-1459	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Tee	173.65	62.47
22 11 16 00-1460	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Tee	188.26	66.52
22 11 16 00-1461	EA	2", 125 Lb., Cast Bronze, Screwed, Tee	233.95	71.31
22 11 16 00-1462	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Tee	386.11	89.22
22 11 16 00-1463	EA	3", 125 Lb., Cast Bronze, Screwed, Tee	531.62	107.02
22 11 16 00-1464	EA	4", 125 Lb., Cast Bronze, Screwed, Tee	1,072.29	142.61
22 11 16 00-1465		**125 Lb. Cast Bronze, Screwed, Reducing Tees** *(22 11 16 00-1414)*		
22 11 16 00-1466	EA	1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	104.91	44.55
22 11 16 00-1467	EA	3/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	116.39	48.73
22 11 16 00-1468	EA	1", 125 Lb., Cast Bronze, Screwed, Reducing Tee	156.27	57.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1469	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	183.09	62.47
22 11 16 00-1470	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	213.44	66.52
22 11 16 00-1471	EA	2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	273.30	71.31
22 11 16 00-1472	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	462.63	89.22
22 11 16 00-1473	EA	3", 125 Lb., Cast Bronze, Screwed, Reducing Tee	864.17	107.02
22 11 16 00-1474	EA	4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	1,334.60	142.61
22 11 16 00-1475		**125 Lb. Cast Bronze, Screwed, Crosses** *(22 11 16 00-1414)*		
22 11 16 00-1476	EA	1/2", 125 Lb., Cast Bronze, Screwed, Cross	140.94	59.48
22 11 16 00-1477	EA	3/4", 125 Lb., Cast Bronze, Screwed, Cross	162.26	65.34
22 11 16 00-1478	EA	1", 125 Lb., Cast Bronze, Screwed, Cross	203.37	77.27
22 11 16 00-1479	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Cross	249.03	83.25
22 11 16 00-1480	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Cross	292.09	89.22
22 11 16 00-1481	EA	2", 125 Lb., Cast Bronze, Screwed, Cross	417.65	95.07
22 11 16 00-1482	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Cross	668.05	118.85
22 11 16 00-1483	EA	3", 125 Lb., Cast Bronze, Screwed, Cross	916.49	142.61
22 11 16 00-1484	EA	4", 125 Lb., Cast Bronze, Screwed, Cross	1,671.29	190.27
22 11 16 00-1485		**125 Lb. Cast Bronze, Screwed, Caps** *(22 11 16 00-1414)*		
22 11 16 00-1486	EA	1/2" 125 Lb. Cast Bronze, Screwed, Cap	33.03	17.68
22 11 16 00-1487	EA	3/4" 125 Lb. Cast Bronze, Screwed, Cap	37.32	19.47
22 11 16 00-1488	EA	1" 125 Lb. Cast Bronze, Screwed, Cap	49.06	22.93
22 11 16 00-1489	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Cap	62.62	24.72
22 11 16 00-1490	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Cap	73.21	26.51
22 11 16 00-1491	EA	2" 125 Lb. Cast Bronze, Screwed, Cap	99.47	28.30
22 11 16 00-1492	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Cap	157.36	35.35
22 11 16 00-1493	EA	3" 125 Lb. Cast Bronze, Screwed, Cap	224.78	42.40
22 11 16 00-1494	EA	4" 125 Lb. Cast Bronze, Screwed, Cap	391.82	56.50
22 11 16 00-1495		**125 Lb. Cast Bronze, Screwed, Couplings** *(22 11 16 00-1414)*		
22 11 16 00-1496	EA	1/2" 125 Lb. Cast Bronze, Screwed, Coupling	67.34	29.74
22 11 16 00-1497	EA	3/4" 125 Lb. Cast Bronze, Screwed, Coupling	76.43	32.72
22 11 16 00-1498	EA	1" 125 Lb. Cast Bronze, Screwed, Coupling	96.17	38.70
22 11 16 00-1499	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Coupling	114.71	41.56
22 11 16 00-1500	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	130.11	44.55
22 11 16 00-1501	EA	2" 125 Lb. Cast Bronze, Screwed, Coupling	162.80	47.54
22 11 16 00-1502	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	229.08	59.48
22 11 16 00-1503	EA	3" 125 Lb. Cast Bronze, Screwed, Coupling	295.38	71.31
22 11 16 00-1504	EA	4" 125 Lb. Cast Bronze, Screwed, Coupling	504.99	95.07
22 11 16 00-1505		**125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers** *(22 11 16 00-1414)*		
22 11 16 00-1506	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	59.09	23.77
22 11 16 00-1507	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	67.44	26.75
22 11 16 00-1508	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	91.44	35.71
22 11 16 00-1509	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	108.66	38.70
22 11 16 00-1510	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	122.77	41.56
22 11 16 00-1511	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	147.66	44.55
22 11 16 00-1512	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	214.00	56.50
22 11 16 00-1513	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	259.16	65.34
22 11 16 00-1514	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	446.94	86.23
22 11 16 00-1515		**125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers** *(22 11 16 00-1414)*		
22 11 16 00-1516	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	60.39	23.77
22 11 16 00-1517	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	107.67	32.72
22 11 16 00-1518	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	140.25	35.71
22 11 16 00-1519	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	163.76	38.70
22 11 16 00-1520	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	217.47	44.55
22 11 16 00-1521	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	333.03	56.50
22 11 16 00-1522	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	401.15	59.48
22 11 16 00-1523	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	456.80	77.27
22 11 16 00-1524		**125 Lb. Cast Bronze, FIP Threaded, Unions** *(22 11 16 00-1414)*		
22 11 16 00-1525	EA	1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	72.73	23.77
		For 150 Lb., Add	*10.07*	
22 11 16 00-1526	EA	3/4" 125 Lb. Cast Bronze, FIP Threaded, Union	86.93	26.16
		For 150 Lb., Add	*13.85*	
22 11 16 00-1527	EA	1" 125 Lb. Cast Bronze, FIP Threaded, Union	107.48	30.93
		For 150 Lb., Add	*18.26*	
22 11 16 00-1528	EA	1-1/4" 125 Lb. Cast Bronze, FIP Threaded, Union	132.66	33.33
		For 150 Lb., Add	*26.43*	
22 11 16 00-1529	EA	1-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	150.07	35.71
		For 150 Lb., Add	*31.49*	
22 11 16 00-1530	EA	2" 125 Lb. Cast Bronze, FIP Threaded, Union	177.01	40.37
		For 150 Lb., Add	*38.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1531	EA	2-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	304.34	59.72
		For 150 Lb., Add	*73.96*	
		For 250 Lb., Add	*157.17*	
		For 300 Lb., Add	*221.88*	
22 11 16 00-1532	EA	3" 125 Lb. Cast Bronze, FIP Threaded, Union	442.74	78.53
		For 150 Lb., Add	*114.27*	
		For 250 Lb., Add	*242.82*	
		For 300 Lb., Add	*342.80*	
22 11 16 00-1533	EA	4" 125 Lb. Cast Bronze, FIP Threaded, Union	804.16	86.95
		For 150 Lb., Add	*252.05*	
		For 250 Lb., Add	*535.61*	
		For 300 Lb., Add	*756.16*	

22 11 16 00-1534 125 Lb. Cast Bronze, Screwed, Companion Flanges *(22 11 16 00-1414)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-1535	EA	1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	198.98	29.74
22 11 16 00-1536	EA	3/4" 125 Lb. Cast Bronze, Screwed, Companion Flange	217.30	35.71
22 11 16 00-1537	EA	1" 125 Lb. Cast Bronze, Screwed, Companion Flange	249.18	41.56
22 11 16 00-1538	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Companion Flange	283.76	44.55
22 11 16 00-1539	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	335.47	47.54
22 11 16 00-1540	EA	2" 125 Lb. Cast Bronze, Screwed, Companion Flange	421.58	50.52
22 11 16 00-1541	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	530.97	59.48
22 11 16 00-1542	EA	3" 125 Lb. Cast Bronze, Screwed, Companion Flange	657.99	74.30
22 11 16 00-1543	EA	4" 125 Lb. Cast Bronze, Screwed, Companion Flange	937.77	104.03

22 11 16 00-1544 125 Lb. Cast Bronze, Screwed, Square Head Plugs *(22 11 16 00-1414)*

22 11 16 00-1545	EA	1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	20.08
22 11 16 00-1546	EA	3/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	20.59
22 11 16 00-1547	EA	1" 125 Lb. Cast Bronze, Screwed, Square Head Plug	31.70
22 11 16 00-1548	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	36.44
22 11 16 00-1549	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	41.32
22 11 16 00-1550	EA	2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	61.89
22 11 16 00-1551	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	93.25
22 11 16 00-1552	EA	3" 125 Lb. Cast Bronze, Screwed, Square Head Plug	136.10
22 11 16 00-1553	EA	4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	227.29

22 11 16 00-1554 125 Lb. Cast Bronze, Screwed, Counter Sunk Plugs *(22 11 16 00-1414)*

22 11 16 00-1555	EA	1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	7.89
22 11 16 00-1556	EA	3/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	9.44
22 11 16 00-1557	EA	1" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	14.19
22 11 16 00-1558	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	22.05
22 11 16 00-1559	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	34.92
22 11 16 00-1560	EA	2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	54.12
22 11 16 00-1561	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	105.33
22 11 16 00-1562	EA	3" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	170.59
22 11 16 00-1563	EA	4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	416.06

22 11 16 00-1564 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings *(22 11 16 00-1414)*

22 11 16 00-1565	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	6.28
22 11 16 00-1566	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	7.89
22 11 16 00-1567	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	11.04
22 11 16 00-1568	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	18.90
22 11 16 00-1569	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	26.78
22 11 16 00-1570	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	33.09
22 11 16 00-1571	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	83.43
22 11 16 00-1572	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	122.81
22 11 16 00-1573	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	268.99

22 11 16 00-1574 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings *(22 11 16 00-1414)*

22 11 16 00-1575	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	11.04
22 11 16 00-1576	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	15.72
22 11 16 00-1577	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	27.41
22 11 16 00-1578	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	37.22
22 11 16 00-1579	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	46.53
22 11 16 00-1580	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	58.63
22 11 16 00-1581	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	119.70
22 11 16 00-1582	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	189.39
22 11 16 00-1583	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	397.98

22 11 16 00-1584 1/2" Red Brass Pipe Nipples *(22 11 16 00-1414)*

Note: Threaded both ends.

22 11 16 00-1585	EA	1/2" x Close, Red Brass Pipe Nipple	10.57
22 11 16 00-1586	EA	1/2" x 1-1/2" Long, Red Brass Pipe Nipple	12.37
22 11 16 00-1587	EA	1/2" x 2" Long, Red Brass Pipe Nipple	15.15
22 11 16 00-1588	EA	1/2" x 2-1/2" Long, Red Brass Pipe Nipple	18.00
22 11 16 00-1589	EA	1/2" x 3" Long, Red Brass Pipe Nipple	20.85
22 11 16 00-1590	EA	1/2" x 3-1/2" Long, Red Brass Pipe Nipple	24.61
22 11 16 00-1591	EA	1/2" x 4" Long, Red Brass Pipe Nipple	27.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1592	EA	1/2" x 4-1/2" Long, Red Brass Pipe Nipple	30.31	
22 11 16 00-1593	EA	1/2" x 5" Long, Red Brass Pipe Nipple	33.16	
22 11 16 00-1594	EA	1/2" x 5-1/2" Long, Red Brass Pipe Nipple	36.29	
22 11 16 00-1595	EA	1/2" x 6" Long, Red Brass Pipe Nipple	39.07	
22 11 16 00-1596		3/4" Red Brass Pipe Nipples *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1597	EA	3/4" x Close, Red Brass Pipe Nipple	15.43	
22 11 16 00-1598	EA	3/4" x 1-1/2" Long, Red Brass Pipe Nipple	16.27	
22 11 16 00-1599	EA	3/4" x 2" Long, Red Brass Pipe Nipple	19.67	
22 11 16 00-1600	EA	3/4" x 2-1/2" Long, Red Brass Pipe Nipple	23.15	
22 11 16 00-1601	EA	3/4" x 3" Long, Red Brass Pipe Nipple	26.28	
22 11 16 00-1602	EA	3/4" x 3-1/2" Long, Red Brass Pipe Nipple	30.17	
22 11 16 00-1603	EA	3/4" x 4" Long, Red Brass Pipe Nipple	33.92	
22 11 16 00-1604	EA	3/4" x 4-1/2" Long, Red Brass Pipe Nipple	38.09	
22 11 16 00-1605	EA	3/4" x 5" Long, Red Brass Pipe Nipple	41.57	
22 11 16 00-1606	EA	3/4" x 5-1/2" Long, Red Brass Pipe Nipple	47.89	
22 11 16 00-1607	EA	3/4" x 6" Long, Red Brass Pipe Nipple	50.33	
22 11 16 00-1608		1" Red Brass Pipe Nipples *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1609	EA	1" x Close, Red Brass Pipe Nipple	23.49	
22 11 16 00-1610	EA	1" x 1-1/2" Long, Red Brass Pipe Nipple	25.85	
22 11 16 00-1611	EA	1" x 2" Long, Red Brass Pipe Nipple	28.22	
22 11 16 00-1612	EA	1" x 2-1/2" Long, Red Brass Pipe Nipple	33.57	
22 11 16 00-1613	EA	1" x 3" Long, Red Brass Pipe Nipple	37.95	
22 11 16 00-1614	EA	1" x 3-1/2" Long, Red Brass Pipe Nipple	44.70	
22 11 16 00-1615	EA	1" x 4" Long, Red Brass Pipe Nipple	50.05	
22 11 16 00-1616	EA	1" x 4-1/2" Long, Red Brass Pipe Nipple	55.33	
22 11 16 00-1617	EA	1" x 5" Long, Red Brass Pipe Nipple	60.75	
22 11 16 00-1618	EA	1" x 5-1/2" Long, Red Brass Pipe Nipple	66.45	
22 11 16 00-1619	EA	1" x 6" Long, Red Brass Pipe Nipple	71.74	
22 11 16 00-1620		1-1/4" Red Brass Pipe Nipples *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1621	EA	1-1/4" x Close, Red Brass Pipe Nipple	34.76	
22 11 16 00-1622	EA	1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple	37.04	
22 11 16 00-1623	EA	1-1/4" x 2" Long, Red Brass Pipe Nipple	39.83	
22 11 16 00-1624	EA	1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple	47.96	
22 11 16 00-1625	EA	1-1/4" x 3" Long, Red Brass Pipe Nipple	56.03	
22 11 16 00-1626	EA	1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple	65.76	
22 11 16 00-1627	EA	1-1/4" x 4" Long, Red Brass Pipe Nipple	73.82	
22 11 16 00-1628	EA	1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple	81.88	
22 11 16 00-1629	EA	1-1/4" x 5" Long, Red Brass Pipe Nipple	90.02	
22 11 16 00-1630	EA	1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple	98.50	
22 11 16 00-1631	EA	1-1/4" x 6" Long, Red Brass Pipe Nipple	106.56	
22 11 16 00-1632		1-1/2" Red Brass Pipe Nipples *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1633	EA	1-1/2" x Close, Red Brass Pipe Nipple	43.24	
22 11 16 00-1634	EA	1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple	45.12	
22 11 16 00-1635	EA	1-1/2" x 2" Long, Red Brass Pipe Nipple	46.99	
22 11 16 00-1636	EA	1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple	57.14	
22 11 16 00-1637	EA	1-1/2" x 3" Long, Red Brass Pipe Nipple	64.79	
22 11 16 00-1638	EA	1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple	76.18	
22 11 16 00-1639	EA	1-1/2" x 4" Long, Red Brass Pipe Nipple	85.78	
22 11 16 00-1640	EA	1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple	95.72	
22 11 16 00-1641	EA	1-1/2" x 5" Long, Red Brass Pipe Nipple	105.31	
22 11 16 00-1642	EA	1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple	114.69	
22 11 16 00-1643	EA	1-1/2" x 6" Long, Red Brass Pipe Nipple	124.08	
22 11 16 00-1644		2" Red Brass Pipe Nipples *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1645	EA	2" x Close, Red Brass Pipe Nipple	66.45	
22 11 16 00-1646	EA	2" x 1-1/2" Long, Red Brass Pipe Nipple	68.78	
22 11 16 00-1647	EA	2" x 2" Long, Red Brass Pipe Nipple	71.08	
22 11 16 00-1648	EA	2" x 2-1/2" Long, Red Brass Pipe Nipple	73.40	
22 11 16 00-1649	EA	2" x 3" Long, Red Brass Pipe Nipple	83.14	
22 11 16 00-1650	EA	2" x 3-1/2" Long, Red Brass Pipe Nipple	98.01	
22 11 16 00-1651	EA	2" x 4" Long, Red Brass Pipe Nipple	110.11	
22 11 16 00-1652	EA	2" x 4-1/2" Long, Red Brass Pipe Nipple	122.20	
22 11 16 00-1653	EA	2" x 5" Long, Red Brass Pipe Nipple	133.11	
22 11 16 00-1654	EA	2" x 5-1/2" Long, Red Brass Pipe Nipple	146.81	
22 11 16 00-1655	EA	2" x 6" Long, Red Brass Pipe Nipple	158.83	
22 11 16 00-1656		Cross-Linked Polyethylene Tubing, ASTM F877 *(22 11 16)*		
		Note: Aboveground, domestic water usage.		
22 11 16 00-1657		Cross-Linked Polyethylene Tubing *(22 11 16 00-1656)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1658	LF	3/8" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	5.52	
		For Work In Restricted Working Space, Add	*1.13*	
22 11 16 00-1659	LF	1/2" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	6.02	
		For Work In Restricted Working Space, Add	*1.22*	
22 11 16 00-1660	LF	3/4" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	7.99	
		For Work In Restricted Working Space, Add	*1.32*	
22 11 16 00-1661	LF	1" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	10.81	
		For Work In Restricted Working Space, Add	*1.39*	

22 11 16 00-1662 Cross-Linked Polyethylene Forged Brass PEX Fittings *(22 11 16 00-1656)*

Note: Aboveground, domestic water usage.

22 11 16 00-1663 Male Adapters *(22 11 16 00-1662)*

22 11 16 00-1664	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	23.55	
		For Work In Restricted Working Space, Add	*5.84*	
22 11 16 00-1665	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	25.33	
		For Work In Restricted Working Space, Add	*6.23*	
22 11 16 00-1666	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	27.58	
		For Work In Restricted Working Space, Add	*6.62*	
22 11 16 00-1667	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	28.88	
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-1668	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	27.58	
		For Work In Restricted Working Space, Add	*6.62*	
22 11 16 00-1669	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	35.69	
		For Work In Restricted Working Space, Add	*7.79*	

22 11 16 00-1670 Female Adapters *(22 11 16 00-1662)*

22 11 16 00-1671	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	25.81	
		For Work In Restricted Working Space, Add	*6.23*	
22 11 16 00-1672	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	28.89	
		For Work In Restricted Working Space, Add	*6.62*	
22 11 16 00-1673	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	30.19	
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-1674	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	28.89	
		For Work In Restricted Working Space, Add	*6.62*	
22 11 16 00-1675	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	36.29	
		For Work In Restricted Working Space, Add	*7.79*	

22 11 16 00-1676 Tube Adapters *(22 11 16 00-1662)*

22 11 16 00-1677	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing	21.61	
		For Work In Restricted Working Space, Add	*5.84*	
22 11 16 00-1678	EA	1/2" Forged Brass Tube Adapter For PEX Tubing	22.91	
		For Work In Restricted Working Space, Add	*6.23*	
22 11 16 00-1679	EA	3/4" Forged Brass Tube Adapter For PEX Tubing	27.33	
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-1680	EA	1" Forged Brass Tube Adapter For PEX Tubing	34.47	
		For Work In Restricted Working Space, Add	*7.79*	

22 11 16 00-1681 Plugs *(22 11 16 00-1662)*

22 11 16 00-1682	EA	3/8" Forged Brass Plug For PEX Tubing	10.75	
		For Work In Restricted Working Space, Add	*2.72*	
22 11 16 00-1683	EA	1/2" Forged Brass Plug For PEX Tubing	12.04	
		For Work In Restricted Working Space, Add	*3.11*	
22 11 16 00-1684	EA	3/4" Forged Brass Plug For PEX Tubing	13.82	
		For Work In Restricted Working Space, Add	*3.50*	
22 11 16 00-1685	EA	1" Forged Brass Plug For PEX Tubing	16.95	
		For Work In Restricted Working Space, Add	*3.89*	

22 11 16 00-1686 Tees *(22 11 16 00-1662)*

22 11 16 00-1687	EA	3/8" Forged Brass Tee For PEX Tubing	30.74	
		For Work In Restricted Working Space, Add	*8.17*	
22 11 16 00-1688	EA	1/2" Forged Brass Tee For PEX Tubing	34.63	
		For Work In Restricted Working Space, Add	*9.34*	
22 11 16 00-1689	EA	3/4" Forged Brass Tee For PEX Tubing	40.91	
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-1690	EA	1" Forged Brass Tee For PEX Tubing	51.53	
		For Work In Restricted Working Space, Add	*11.68*	
22 11 16 00-1691	EA	1/2" Forged Brass Reducing Tee For PEX Tubing	33.33	
		For Work In Restricted Working Space, Add	*8.95*	
22 11 16 00-1692	EA	3/4" Forged Brass Reducing Tee For PEX Tubing	38.32	
		For Work In Restricted Working Space, Add	*9.73*	
22 11 16 00-1693	EA	1" Forged Brass Reducing Tee For PEX Tubing	46.68	
		For Work In Restricted Working Space, Add	*10.51*	

22 11 16 00-1694 Couplings *(22 11 16 00-1662)*

22 11 16 00-1695	EA	3/8" Forged Brass Coupling For PEX Tubing	19.95	
		For Work In Restricted Working Space, Add	*5.45*	
22 11 16 00-1696	EA	1/2" Forged Brass Coupling For PEX Tubing	22.67	
		For Work In Restricted Working Space, Add	*6.23*	
22 11 16 00-1697	EA	3/4" Forged Brass Coupling For PEX Tubing	25.86	
		For Work In Restricted Working Space, Add	*7.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1698	EA	1" Forged Brass Coupling For PEX Tubing	31.24	
		For Work In Restricted Working Space, Add	*7.79*	
22 11 16 00-1699	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing	24.56	
		For Work In Restricted Working Space, Add	*6.62*	
22 11 16 00-1700	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing	29.94	
		For Work In Restricted Working Space, Add	*7.40*	

22 11 16 00-1701 Fitting Reducers *(22 11 16 00-1662)*

22 11 16 00-1702	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing	21.97	
		For Work In Restricted Working Space, Add	*5.84*	
22 11 16 00-1703	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing	23.27	
		For Work In Restricted Working Space, Add	*6.23*	
22 11 16 00-1704	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing	28.04	
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-1705	EA	1" Forged Brass Fitting Reducer For PEX Tubing	38.56	
		For Work In Restricted Working Space, Add	*7.79*	

22 11 16 00-1706 90 Degree Elbows *(22 11 16 00-1662)*

22 11 16 00-1707	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing	21.03	
		For Work In Restricted Working Space, Add	*5.45*	
22 11 16 00-1708	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing	23.63	
		For Work In Restricted Working Space, Add	*6.23*	
22 11 16 00-1709	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing	28.04	
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-1710	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing	26.74	
		For Work In Restricted Working Space, Add	*6.62*	
22 11 16 00-1711	EA	1/2" Drop 90 Degree Elbow For PEX Tubing	31.10	
		For Work In Restricted Working Space, Add	*6.23*	
22 11 16 00-1712	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing	34.77	
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-1713	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing	33.47	
		For Work In Restricted Working Space, Add	*6.62*	

22 11 19 Domestic Water Piping Specialties *(22 11)*

22 11 19 00-0001 Brass, Anti Siphon Vacuum Breakers *(22 11 19)*

Note: Watts 288A

22 11 19 00-0002	EA	1/2" Brass, Anti Siphon Vacuum Breaker	122.26	32.43
22 11 19 00-0003	EA	3/4" Brass, Anti Siphon Vacuum Breaker	140.60	36.32
22 11 19 00-0004	EA	1" Brass, Anti Siphon Vacuum Breaker	291.41	41.51
22 11 19 00-0005	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	465.36	47.99
22 11 19 00-0006	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	555.97	53.18
22 11 19 00-0007	EA	2" Brass, Anti Siphon Vacuum Breaker	815.13	64.86
22 11 19 00-0008	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,146.50	81.08

22 11 19 00-0009 Polyvinyl Chloride (PVC) Vacuum Breakers *(22 11 19)*

Note: 100 psi maximum, 140 degree F maximum.

22 11 19 00-0010	EA	1/2" Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM050V-PV)	376.89	32.43
22 11 19 00-0011	EA	3/4" Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM075V-PV)	412.11	36.32
22 11 19 00-0012	EA	1" Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM100V-PV)	454.38	40.86

22 11 19 00-0013 Anti Siphon Pressure Vacuum Breakers *(22 11 19)*

Note: Watts 800M4QT

22 11 19 00-0014	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	365.39	32.43
22 11 19 00-0015	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	318.66	36.32
22 11 19 00-0016	EA	1" Anti Siphon Pressure Type Vacuum Breaker	456.78	41.51
22 11 19 00-0017	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	829.18	47.99
22 11 19 00-0018	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	1,010.00	53.18
22 11 19 00-0019	EA	2" Anti Siphon Pressure Type Vacuum Breaker	1,018.51	64.86

22 11 19 00-0020 Bellows Type Water Hammer Arrestors *(22 11 19)*

22 11 19 00-0021	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	278.53	15.51
22 11 19 00-0022	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	542.03	18.77
22 11 19 00-0023	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	790.87	18.77
22 11 19 00-0024	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,926.91	18.77
22 11 19 00-0025	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,163.92	18.77
22 11 19 00-0026	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,651.22	18.77

22 11 19 00-0027 Piston Type Water Hammer Arrestors *(22 11 19)*

22 11 19 00-0028 Threaded Piston Type Water Hammer Arrestors *(22 11 19 00-0027)*

22 11 19 00-0029	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	203.19	8.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0030	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	391.73	9.97
22 11 19 00-0031	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	583.05	10.81
22 11 19 00-0032	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,437.13	13.95
22 11 19 00-0033	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,750.29	17.30
22 11 19 00-0034	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,991.90	18.77

22 11 19 00-0035 Washer Boxes And Dryer Outlets *(22 11 19)*

22 11 19 00-0036 Dryer Vent Kit *(22 11 19 00-0035)*

Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.

22 11 19 00-0037	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	89.00	16.86

22 11 19 00-0038 Washer Boxes And Dryer Vents *(22 11 19 00-0035)*

Note: Includes 1/2" supply valves and mounting brackets.

22 11 19 00-0039	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	315.03	25.95

22 11 19 00-0040 Ice Maker Outlet Box *(22 11 19)*

Note: Includes one 1/2" quarter turn ball valve and connections wall mount.

22 11 19 00-0041	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	167.98	25.95
22 11 19 00-0042	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	171.02	25.95
22 11 19 00-0043	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	250.23	25.95

22 11 19 00-0044 Rubber Hose And Clamps *(22 11 19)*

22 11 19 00-0045 General Purpose Hose *(22 11 19 00-0044)*

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

22 11 19 00-0046	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.38	2.58
22 11 19 00-0047	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.84	2.58
22 11 19 00-0048	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.02	2.58
22 11 19 00-0049	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.13	2.58
22 11 19 00-0050	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	16.51	3.88
22 11 19 00-0051	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	27.25	3.88
22 11 19 00-0052	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	29.64	5.16
22 11 19 00-0053	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	56.70	5.16

22 11 19 00-0054 Reinfored EPDM Water Hose Assembly *(22 11 19 00-0044)*

Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.

22 11 19 00-0055	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	75.19	5.16
22 11 19 00-0056	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	88.71	5.16
22 11 19 00-0057	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	124.72	6.35
22 11 19 00-0058	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	175.15	8.58

22 11 19 00-0059 Chemical Resistant Rubber Hoses *(22 11 19 00-0044)*

22 11 19 00-0060	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,380.48	313.67
22 11 19 00-0061	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,873.93	313.67

22 11 19 00-0062 Water Pump Hose *(22 11 19 00-0044)*

22 11 19 00-0063	EA	2" Inside Diameter, 20' Rubber Discharge Hose	643.05	78.88
22 11 19 00-0064	EA	2" Inside Diameter, 20' Rubber Intake Hose	680.59	78.88

22 11 19 00-0065 Barbed Hose x Threaded Male Pipe, Steel Coupling *(22 11 19 00-0044)*

22 11 19 00-0066	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	32.01	10.84
22 11 19 00-0067	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	33.96	11.62
22 11 19 00-0068	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	36.36	12.40
22 11 19 00-0069	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	41.31	13.94
22 11 19 00-0070	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	49.49	17.05
22 11 19 00-0071	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	58.66	20.40
22 11 19 00-0072	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	75.64	26.85
22 11 19 00-0073	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	95.20	33.57

22 11 19 00-0074 Worm-Drive Hose Clamp *(22 11 19 00-0044)*

22 11 19 00-0075	EA	3/8" To 1" Diameter Worm Drive Hose Clamp	13.66	3.88
22 11 19 00-0076	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	14.44	3.88
22 11 19 00-0077	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	15.29	3.88
22 11 19 00-0078	EA	3/4" To 2" Diameter Worm Drive Hose Clamp	16.27	3.88
22 11 19 00-0079	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp	17.39	3.88
22 11 19 00-0080	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	18.83	5.16
22 11 19 00-0081	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp	20.32	5.16

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0082			**Trap Primer And Accessories** *(22 11 19)*		
22 11 19 00-0083			**Trap Primer** *(22 11 19 00-0082)*		
22 11 19 00-0084		EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	344.84	19.46
22 11 19 00-0085		EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	211.31	12.97
22 11 19 00-0086		EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	204.58	12.97
22 11 19 00-0087			**Trap Primer Distribution Unit** *(22 11 19 00-0082)*		
22 11 19 00-0088		EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	174.62	25.95
22 11 19 00-0089		EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	192.75	25.95
22 11 19 00-0090			**Trap Primer Manifold** *(22 11 19 00-0082)*		
22 11 19 00-0091		EA	Two Outlet Trap Primer Manifold	276.47	34.89
22 11 19 00-0092		EA	Four Outlet Trap Primer Manifold	419.61	39.69
22 11 19 00-0093		EA	Six Outlet Trap Primer Manifold	559.66	42.03
22 11 19 00-0094		EA	Eight Outlet Trap Primer Manifold	704.41	49.29
22 11 19 00-0095			**Sewage Air Release Valves** *(22 11 19)*		
22 11 19 00-0096			**Cast Iron, Sewage Air Release Valves** *(22 11 19 00-0095)* Note: Stainless steel float.		
22 11 19 00-0097		EA	2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	986.47	47.37
			For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0098		EA	3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,214.60	79.16
			For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0099		EA	4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,540.11	99.92
			For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0100			**Cast Iron, Sewage Air Vacuum Valves** *(22 11 19 00-0095)* Note: Stainless steel float.		
22 11 19 00-0101		EA	2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	1,007.71	47.37
			For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0102		EA	2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	1,968.45	47.37
			For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0103		EA	3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,366.44	79.16
			For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0104		EA	4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	3,501.42	99.92
22 11 19 00-0105			**Cast Iron, Sewage Combination Air Valves** *(22 11 19 00-0095)* Note: Stainless steel float.		
22 11 19 00-0106		EA	2" x 1" NPT, Sewage Combination Air Valve (Apco 443)	2,143.62	47.37
22 11 19 00-0107		EA	2" x 2" NPT, Sewage Combination Air Valve (Apco 445)	2,953.09	47.37
22 11 19 00-0108		EA	3" x 3" NPT, Sewage Combination Air Valve (Apco 447)	3,459.89	79.16
22 11 19 00-0109		EA	4" x 4" NPT, Sewage Combination Air Valve (Apco 449)	4,231.27	99.92
22 11 19 00-0110			**Wall Hydrants** *(22 11 19)* Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0111			**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0110)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0112		EA	6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	795.56	32.43
			For Cast Bronze Box, Add	*39.84*	
			For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0113		EA	12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	840.67	38.92
			For Cast Bronze Box, Add	*39.84*	
			For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0114		EA	18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	867.23	46.83
			For Cast Bronze Box, Add	*39.84*	
			For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0115			**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0110)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0116		EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	815.39	54.48
			For Cast Bronze Box, Add	*39.84*	
			For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0117			**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0110)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0118		EA	3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	446.32	40.22
			For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0119		EA	4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	547.21	40.22
			For 1" NPT Outlet, Add	*93.91*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0120	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	547.21	40.22
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0121	EA	8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	547.21	40.22
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0122	EA	10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	570.69	81.08
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0123	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	570.69	81.08
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0124	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	640.92	81.08
		For 1" NPT Outlet, Add	*93.91*	

22 11 19 00-0125 Stainless Steel Box Type Wall Hydrants *(22 11 19 00-0110)*

Note: With 3/4" NPT female and 3/4" NPT male inlet connection.

22 11 19 00-0126	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	404.08	32.43
22 11 19 00-0127	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	439.28	32.43
22 11 19 00-0128	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	444.08	32.43
22 11 19 00-0129	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	496.88	32.43
22 11 19 00-0130	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	696.09	45.40
22 11 19 00-0131	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	716.88	45.40
22 11 19 00-0132	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	716.88	45.40
22 11 19 00-0133	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	766.48	45.40

22 11 19 00-0134 Tempering Controllers For Potable Hot Water *(22 11 19)*

22 11 19 00-0135 Point-Of-Use Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0134)*

Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.

22 11 19 00-0136	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	595.88	31.40
22 11 19 00-0137	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	150.76	31.40
22 11 19 00-0138	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	336.72	31.40
22 11 19 00-0139	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	385.37	42.30

22 11 19 00-0140 Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0134)*

Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.

22 11 19 00-0141	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,625.81	45.29
22 11 19 00-0142	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,823.93	55.78
22 11 19 00-0143	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,193.15	64.88
22 11 19 00-0144	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,846.00	68.19
22 11 19 00-0145	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,821.48	88.47

22 11 19 00-0146 High Low Temperature Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0134)*

Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.

22 11 19 00-0147	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,153.41	69.75
22 11 19 00-0148	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,407.72	81.10
22 11 19 00-0149	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,308.52	85.24
22 11 19 00-0150	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	6,985.83	110.59

22 11 19 00-0151 Thermostatic Mixing Valves (Leonard) *(22 11 19 00-0134)*

Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection

22 11 19 00-0152	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	1,178.32	45.29
22 11 19 00-0153	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	1,386.85	55.77
22 11 19 00-0154	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	1,705.12	64.88
22 11 19 00-0155	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	2,086.82	68.22
22 11 19 00-0156	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	3,102.60	88.47

22 11 19 00-0157 Water Mixing/Self Operating Temperature Regulator *(22 11 19 00-0134)*

Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.

22 11 19 00-0158	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,426.21	64.86
22 11 19 00-0159	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,629.78	81.72
22 11 19 00-0160	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,997.62	98.58
22 11 19 00-0161	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,400.18	115.44
22 11 19 00-0162	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,232.93	151.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0163	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	6,178.50	173.07
22 11 19 00-0164		**Thermostatic Mixing Valves (Holby)** *(22 11 19 00-0134)*		
22 11 19 00-0165	EA	2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500)	5,536.92	88.50
22 11 19 00-0166		**Backflow Preventer Valves** *(22 11 19)*		
22 11 19 00-0167		**Double Check Valve Backflow Preventer Assemblies** *(22 11 19 00-0166)*		
22 11 19 00-0168		**Threaded Double Check Valve Assemblies** *(22 11 19 00-0167)*		
22 11 19 00-0169		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0168)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0170	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	502.00	34.76
		For Work In Restricted Working Space, Add	*26.07*	
		For Owner Furnished Material, Deduct	*-415.09*	
22 11 19 00-0171	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	591.83	49.29
		For Work In Restricted Working Space, Add	*36.97*	
		For Owner Furnished Material, Deduct	*-468.60*	
22 11 19 00-0172	EA	1"Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	682.14	60.19
		For Work In Restricted Working Space, Add	*45.14*	
		For Owner Furnished Material, Deduct	*-531.67*	
22 11 19 00-0173	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	956.22	70.05
		For Work In Restricted Working Space, Add	*52.54*	
		For Owner Furnished Material, Deduct	*-781.10*	
22 11 19 00-0174	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,184.69	80.42
		For Work In Restricted Working Space, Add	*59.93*	
		For Owner Furnished Material, Deduct	*-984.92*	
22 11 19 00-0175	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,363.65	103.77
		For Work In Restricted Working Space, Add	*77.83*	
		For Owner Furnished Material, Deduct	*-1,104.22*	
22 11 19 00-0176		**Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0168)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0177	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	620.78	34.76
		For Work In Restricted Working Space, Add	*26.07*	
		For Owner Furnished Material, Deduct	*-533.87*	
22 11 19 00-0178	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	765.79	49.29
		For Work In Restricted Working Space, Add	*36.97*	
		For Owner Furnished Material, Deduct	*-642.56*	
22 11 19 00-0179	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	895.41	60.19
		For Work In Restricted Working Space, Add	*45.14*	
		For Owner Furnished Material, Deduct	*-744.94*	
22 11 19 00-0180	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,260.10	70.05
		For Work In Restricted Working Space, Add	*52.54*	
		For Owner Furnished Material, Deduct	*-1,084.98*	
22 11 19 00-0181	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,542.60	80.42
		For Work In Restricted Working Space, Add	*59.93*	
		For Owner Furnished Material, Deduct	*-1,342.83*	
22 11 19 00-0182	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,857.79	103.77
		For Work In Restricted Working Space, Add	*77.83*	
		For Owner Furnished Material, Deduct	*-1,598.36*	
22 11 19 00-0183		**Flanged Double Check Valve Assemblies** *(22 11 19 00-0167)*		
22 11 19 00-0184		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0185	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,806.79	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-6,424.58*	
22 11 19 00-0186	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,478.87	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-7,054.86*	
22 11 19 00-0187		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0188	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	7,459.81	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-7,077.60*	
22 11 19 00-0189	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,567.23	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-8,143.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0190		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0191	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	6,853.88	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-6,471.69*	
22 11 19 00-0192	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,221.51	322.49
		For Work In Restricted Working Space, Add	*127.21*	
		For Owner Furnished Material, Deduct	*-4,797.48*	
22 11 19 00-0193	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	8,175.61	477.76
		For Work In Restricted Working Space, Add	*191.00*	
		For Owner Furnished Material, Deduct	*-7,538.93*	
22 11 19 00-0194	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	12,393.42	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-11,141.06*	
22 11 19 00-0195	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	28,372.81	1,039.91
		For Work In Restricted Working Space, Add	*563.65*	
		For Owner Furnished Material, Deduct	*-26,493.97*	
22 11 19 00-0196	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	36,452.74	1,229.99
		For Work In Restricted Working Space, Add	*670.91*	
		For Owner Furnished Material, Deduct	*-34,216.38*	
22 11 19 00-0197		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0198	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,554.69	477.76
		For Work In Restricted Working Space, Add	*190.99*	
		For Owner Furnished Material, Deduct	*-8,918.07*	
22 11 19 00-0199	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	15,859.14	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-14,606.78*	
22 11 19 00-0200	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	42,365.27	1,229.99
		For Work In Restricted Working Space, Add	*670.91*	
		For Owner Furnished Material, Deduct	*-40,128.91*	
22 11 19 00-0201		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0202	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	7,281.10	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-6,898.91*	
22 11 19 00-0203	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	8,000.30	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-7,576.29*	
22 11 19 00-0204	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,675.87	477.76
		For Work In Restricted Working Space, Add	*190.99*	
		For Owner Furnished Material, Deduct	*-8,039.25*	
22 11 19 00-0205	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	14,520.62	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-13,268.26*	
22 11 19 00-0206	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	30,139.12	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	
		For Owner Furnished Material, Deduct	*-28,260.57*	
22 11 19 00-0207	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	38,732.17	1,229.99
		For Work In Restricted Working Space, Add	*670.91*	
		For Owner Furnished Material, Deduct	*-36,495.81*	
22 11 19 00-0208		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0209	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,329.69	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-3,947.50*	
22 11 19 00-0210	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,766.49	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-4,342.48*	
22 11 19 00-0211	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,374.08	477.76
		For Work In Restricted Working Space, Add	*190.99*	
		For Owner Furnished Material, Deduct	*-4,737.46*	
22 11 19 00-0212	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	8,660.04	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-7,407.68*	
22 11 19 00-0213	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	16,524.16	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	
		For Owner Furnished Material, Deduct	*-14,645.61*	
22 11 19 00-0214	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	17,908.20	1,229.99
		For Work In Restricted Working Space, Add	*670.91*	
		For Owner Furnished Material, Deduct	*-15,671.84*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0215			**N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0216		EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,730.35	286.65
			For Work In Restricted Working Space, Add	*114.66*	
			For Owner Furnished Material, Deduct	*-5,348.16*	
22 11 19 00-0217		EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	6,167.15	322.49
			For Work In Restricted Working Space, Add	*127.20*	
			For Owner Furnished Material, Deduct	*-5,743.14*	
22 11 19 00-0218		EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	7,714.62	477.76
			For Work In Restricted Working Space, Add	*190.99*	
			For Owner Furnished Material, Deduct	*-7,078.00*	
22 11 19 00-0219		EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	12,578.22	693.27
			For Work In Restricted Working Space, Add	*375.71*	
			For Owner Furnished Material, Deduct	*-11,325.86*	
22 11 19 00-0220		EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	22,331.30	1,039.91
			For Work In Restricted Working Space, Add	*563.57*	
			For Owner Furnished Material, Deduct	*-20,452.75*	
22 11 19 00-0221		EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	26,573.91	1,229.99
			For Work In Restricted Working Space, Add	*670.91*	
			For Owner Furnished Material, Deduct	*-24,337.55*	
22 11 19 00-0222			**Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0223		EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,051.11	286.65
			For Work In Restricted Working Space, Add	*114.66*	
			For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0224		EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,500.57	322.49
			For Work In Restricted Working Space, Add	*127.20*	
			For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0225		EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	5,120.67	477.76
			For Work In Restricted Working Space, Add	*190.99*	
			For Owner Furnished Material, Deduct	*-4,484.05*	
22 11 19 00-0226		EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	8,460.97	693.27
			For Work In Restricted Working Space, Add	*375.71*	
			For Owner Furnished Material, Deduct	*-7,208.61*	
22 11 19 00-0227		EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	16,332.31	1,039.91
			For Work In Restricted Working Space, Add	*563.57*	
			For Owner Furnished Material, Deduct	*-14,453.76*	
22 11 19 00-0228		EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	18,443.85	1,229.99
			For Work In Restricted Working Space, Add	*670.91*	
			For Owner Furnished Material, Deduct	*-16,207.49*	
22 11 19 00-0229			**N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0230		EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,334.32	286.65
			For Work In Restricted Working Space, Add	*114.66*	
			For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0231		EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,771.11	322.49
			For Work In Restricted Working Space, Add	*127.20*	
			For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0232		EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	7,319.08	477.76
			For Work In Restricted Working Space, Add	*190.99*	
			For Owner Furnished Material, Deduct	*-6,682.46*	
22 11 19 00-0233		EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	12,156.93	693.27
			For Work In Restricted Working Space, Add	*375.71*	
			For Owner Furnished Material, Deduct	*-10,904.57*	
22 11 19 00-0234		EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	21,693.63	1,039.91
			For Work In Restricted Working Space, Add	*563.57*	
			For Owner Furnished Material, Deduct	*-19,815.08*	
22 11 19 00-0235		EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	25,934.37	1,229.99
			For Work In Restricted Working Space, Add	*670.91*	
			For Owner Furnished Material, Deduct	*-23,698.01*	
22 11 19 00-0236			**Double Check Valve Assemblies With Butterfly Shut-Off Valves** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0237		EA	2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,709.97	286.65
			For Work In Restricted Working Space, Add	*114.66*	
			For Owner Furnished Material, Deduct	*-4,327.78*	
22 11 19 00-0238		EA	3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,146.77	322.49
			For Work In Restricted Working Space, Add	*127.20*	
			For Owner Furnished Material, Deduct	*-4,722.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0239	EA	4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,754.36	477.76
		For Work In Restricted Working Space, Add	*190.99*	
		For Owner Furnished Material, Deduct	*-5,117.74*	
22 11 19 00-0240	EA	6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	9,049.90	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-7,797.54*	
22 11 19 00-0241	EA	8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,914.02	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	
		For Owner Furnished Material, Deduct	*-15,035.47*	
22 11 19 00-0242		**N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs** *(22 11 19 00-0183)* Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0243	EA	2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	6,110.63	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-5,728.44*	
22 11 19 00-0244	EA	3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	6,547.42	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-6,123.41*	
22 11 19 00-0245	EA	4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,094.90	477.76
		For Work In Restricted Working Space, Add	*190.99*	
		For Owner Furnished Material, Deduct	*-7,458.28*	
22 11 19 00-0246	EA	6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	12,968.16	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-11,715.80*	
22 11 19 00-0247	EA	8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,914.02	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	
		For Owner Furnished Material, Deduct	*-15,035.47*	
22 11 19 00-0248		**Grooved Double Check Valve Assemblies** *(22 11 19 00-0167)*		
22 11 19 00-0249		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0248)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0250	EA	2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,051.11	152.89
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0251	EA	3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,500.57	169.61
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0252		**N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0248)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0253	EA	2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,334.32	152.89
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0254	EA	3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,771.11	169.61
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0255		**Reduced Pressure Zone Backflow Preventer Assemblies** *(22 11 19 00-0166)*		
22 11 19 00-0256		**Threaded Reduced Pressure Zone Assemblies** *(22 11 19 00-0255)*		
22 11 19 00-0257		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0256)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0258	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	558.03	30.09
		For Work In Restricted Working Space, Add	*22.57*	
		For Owner Furnished Material, Deduct	*-482.79*	
22 11 19 00-0259	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	589.25	33.21
		For Work In Restricted Working Space, Add	*24.91*	
		For Owner Furnished Material, Deduct	*-506.23*	
22 11 19 00-0260	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	686.58	34.76
		For Work In Restricted Working Space, Add	*26.07*	
		For Owner Furnished Material, Deduct	*-599.67*	
22 11 19 00-0261	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	921.88	49.29
		For Work In Restricted Working Space, Add	*36.97*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0262	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,093.66	60.19
		For Work In Restricted Working Space, Add	*45.14*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0263	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,654.70	70.05
		For Work In Restricted Working Space, Add	*52.54*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0264	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,748.94	80.42
		For Work In Restricted Working Space, Add	*59.93*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0265	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,097.76	103.77
		For Work In Restricted Working Space, Add	*77.83*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

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22 11 19 00-0266		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0256)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0267	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	616.47	30.09
		For Work In Restricted Working Space, Add	*22.57*	
		For Owner Furnished Material, Deduct	*-541.23*	
22 11 19 00-0268	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	650.84	33.21
		For Work In Restricted Working Space, Add	*24.91*	
		For Owner Furnished Material, Deduct	*-567.82*	
22 11 19 00-0269	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	770.99	49.29
		For Work In Restricted Working Space, Add	*26.07*	
		For Owner Furnished Material, Deduct	*-684.08*	
22 11 19 00-0270	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,054.54	49.29
		For Work In Restricted Working Space, Add	*36.97*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0271	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,259.53	60.19
		For Work In Restricted Working Space, Add	*45.14*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0272	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,880.91	70.05
		For Work In Restricted Working Space, Add	*52.54*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0273	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,068.17	80.42
		For Work In Restricted Working Space, Add	*59.93*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0274	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,489.42	103.77
		For Work In Restricted Working Space, Add	*77.83*	
		For Owner Furnished Material, Deduct	*-2,229.99*	
22 11 19 00-0275		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0256)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0276	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	921.88	49.29
		For Work In Restricted Working Space, Add	*36.97*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0277	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,093.66	60.19
		For Work In Restricted Working Space, Add	*45.14*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0278	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,654.70	70.05
		For Work In Restricted Working Space, Add	*52.54*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0279	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,748.94	80.42
		For Work In Restricted Working Space, Add	*59.93*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0280	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	2,097.76	103.77
		For Work In Restricted Working Space, Add	*77.83*	
		For Owner Furnished Material, Deduct	*-1,838.33*	
22 11 19 00-0281		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0256)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0282	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,054.54	49.29
		For Work In Restricted Working Space, Add	*36.97*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0283	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,259.53	60.19
		For Work In Restricted Working Space, Add	*45.14*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0284	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,880.91	70.05
		For Work In Restricted Working Space, Add	*52.54*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0285	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,068.17	80.42
		For Work In Restricted Working Space, Add	*59.93*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0286	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,489.42	103.77
		For Work In Restricted Working Space, Add	*77.83*	
		For Owner Furnished Material, Deduct	*-2,229.99*	
22 11 19 00-0287		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0256)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0288	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,907.16	49.29
		For Work In Restricted Working Space, Add	*36.97*	
		For Owner Furnished Material, Deduct	*-1,783.93*	
22 11 19 00-0289	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,257.25	60.19
		For Work In Restricted Working Space, Add	*45.14*	
		For Owner Furnished Material, Deduct	*-2,106.78*	
22 11 19 00-0290	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,475.69	70.05
		For Work In Restricted Working Space, Add	*52.54*	
		For Owner Furnished Material, Deduct	*-3,300.57*	
22 11 19 00-0291	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,757.12	80.42
		For Work In Restricted Working Space, Add	*59.93*	
		For Owner Furnished Material, Deduct	*-3,557.35*	
22 11 19 00-0292	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	4,357.36	103.77
		For Work In Restricted Working Space, Add	*77.83*	
		For Owner Furnished Material, Deduct	*-4,097.93*	

22 11 19 00-0293 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0256)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

22 11 19 00-0294	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,570.28	49.29
		For Work In Restricted Working Space, Add	*36.97*	
		For Owner Furnished Material, Deduct	*-2,447.05*	
22 11 19 00-0295	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	3,055.21	60.19
		For Work In Restricted Working Space, Add	*45.14*	
		For Owner Furnished Material, Deduct	*-2,904.74*	
22 11 19 00-0296	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	4,660.17	70.05
		For Work In Restricted Working Space, Add	*52.54*	
		For Owner Furnished Material, Deduct	*-4,485.05*	
22 11 19 00-0297	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	5,090.26	80.42
		For Work In Restricted Working Space, Add	*59.93*	
		For Owner Furnished Material, Deduct	*-4,890.49*	
22 11 19 00-0298	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	6,045.49	103.77
		For Work In Restricted Working Space, Add	*77.83*	
		For Owner Furnished Material, Deduct	*-5,786.06*	

22 11 19 00-0299 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0255)*

22 11 19 00-0300 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0299)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).

22 11 19 00-0301	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	6,259.36	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-5,877.15*	
22 11 19 00-0302	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	7,053.27	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-6,629.26*	

22 11 19 00-0303 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0299)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).

22 11 19 00-0304	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	7,464.68	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0305	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	8,453.52	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-8,029.51*	

22 11 19 00-0306 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0299)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).

22 11 19 00-0307	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	6,720.70	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-6,338.49*	
22 11 19 00-0308	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	7,819.99	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-7,395.98*	

22 11 19 00-0309 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer *(22 11 19 00-0299)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0310	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	7,464.68	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0311	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	8,453.52	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-8,029.51*	

22 11 19 00-0312 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0299)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).

22 11 19 00-0313	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	8,288.26	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-7,906.05*	
22 11 19 00-0314	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	9,592.24	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-9,168.23*	

22 11 19 00-0315 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0299)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).

22 11 19 00-0316	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,760.61	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-10,378.42*	
22 11 19 00-0317	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,225.44	322.49
		For Work In Restricted Working Space, Add	*127.21*	
		For Owner Furnished Material, Deduct	*-11,801.41*	
22 11 19 00-0318	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	15,389.66	477.76
		For Work In Restricted Working Space, Add	*191.00*	
		For Owner Furnished Material, Deduct	*-14,752.98*	
22 11 19 00-0319	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	23,189.02	693.27
		For Work In Restricted Working Space, Add	*526.03*	
		For Owner Furnished Material, Deduct	*-21,435.60*	
22 11 19 00-0320	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	38,478.24	1,039.91
		For Work In Restricted Working Space, Add	*789.04*	
		For Owner Furnished Material, Deduct	*-35,848.11*	
22 11 19 00-0321	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	49,716.37	1,229.99
		For Work In Restricted Working Space, Add	*670.91*	
		For Owner Furnished Material, Deduct	*-47,480.01*	

22 11 19 00-0322 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer *(22 11 19 00-0299)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).

22 11 19 00-0323	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,597.19	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-11,215.00*	
22 11 19 00-0324	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	13,105.86	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-12,681.85*	
22 11 19 00-0325	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	16,739.50	477.76
		For Work In Restricted Working Space, Add	*190.99*	
		For Owner Furnished Material, Deduct	*-16,102.88*	
22 11 19 00-0326	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	25,228.80	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-23,976.44*	
22 11 19 00-0327	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	40,863.57	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	
		For Owner Furnished Material, Deduct	*-38,985.02*	
22 11 19 00-0328	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	55,475.72	1,229.99
		For Work In Restricted Working Space, Add	*670.91*	
		For Owner Furnished Material, Deduct	*-53,239.36*	

22 11 19 00-0329 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0299)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).

22 11 19 00-0330	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	11,449.36	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-11,067.17*	
22 11 19 00-0331	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	13,014.91	322.49
		For Work In Restricted Working Space, Add	*127.21*	
		For Owner Furnished Material, Deduct	*-12,590.88*	
22 11 19 00-0332	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	16,370.81	477.76
		For Work In Restricted Working Space, Add	*191.00*	
		For Owner Furnished Material, Deduct	*-15,734.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0333	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	24,118.23	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-22,865.87*	
22 11 19 00-0334	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	40,117.64	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	
		For Owner Furnished Material, Deduct	*-38,239.09*	
22 11 19 00-0335	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	52,879.93	1,229.99
		For Work In Restricted Working Space, Add	*670.91*	
		For Owner Furnished Material, Deduct	*-50,643.57*	

22 11 19 00-0336 Double Check Detector Assemblies *(22 11 19 00-0166)*

22 11 19 00-0337 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0336)*

22 11 19 00-0338 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0337)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0339	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,583.55	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-8,159.54*	
22 11 19 00-0340	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,985.49	477.76
		For Work In Restricted Working Space, Add	*190.99*	
		For Owner Furnished Material, Deduct	*-8,348.87*	
22 11 19 00-0341	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,093.66	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-10,841.30*	
22 11 19 00-0342	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	21,474.82	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	
		For Owner Furnished Material, Deduct	*-19,596.27*	
22 11 19 00-0343	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	29,017.85	1,229.99
		For Work In Restricted Working Space, Add	*670.91*	
		For Owner Furnished Material, Deduct	*-26,781.49*	

22 11 19 00-0344 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0337)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0345	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,427.08	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-6,044.87*	
22 11 19 00-0346	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,863.45	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-6,439.44*	
22 11 19 00-0347	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,480.38	477.76
		For Work In Restricted Working Space, Add	*190.99*	
		For Owner Furnished Material, Deduct	*-6,843.76*	
22 11 19 00-0348	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,138.91	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-8,886.55*	
22 11 19 00-0349	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	17,941.79	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	
		For Owner Furnished Material, Deduct	*-16,063.24*	
22 11 19 00-0350	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	21,156.71	1,229.99
		For Work In Restricted Working Space, Add	*670.91*	
		For Owner Furnished Material, Deduct	*-18,920.35*	

22 11 19 00-0351 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0337)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0352	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,807.44	286.65
		For Work In Restricted Working Space, Add	*114.66*	
		For Owner Furnished Material, Deduct	*-6,425.23*	
22 11 19 00-0353	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,243.81	322.49
		For Work In Restricted Working Space, Add	*127.20*	
		For Owner Furnished Material, Deduct	*-6,819.80*	
22 11 19 00-0354	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,860.66	477.76
		For Work In Restricted Working Space, Add	*190.99*	
		For Owner Furnished Material, Deduct	*-7,224.04*	
22 11 19 00-0355	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,528.77	693.27
		For Work In Restricted Working Space, Add	*375.71*	
		For Owner Furnished Material, Deduct	*-9,276.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0356	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	17,474.04	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	
		For Owner Furnished Material, Deduct	*-15,595.49*	

22 11 19 00-0357 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0336)*

22 11 19 00-0358 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0357)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0359	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,306.99	286.65
		For Work In Restricted Working Space, Add	*114.66*	
22 11 19 00-0360	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,743.41	322.49
		For Work In Restricted Working Space, Add	*127.20*	
22 11 19 00-0361	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,360.34	477.76
		For Work In Restricted Working Space, Add	*190.99*	
22 11 19 00-0362	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	10,018.87	693.27
		For Work In Restricted Working Space, Add	*375.71*	
22 11 19 00-0363	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	17,821.83	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	
22 11 19 00-0364	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	21,036.58	1,229.99
		For Work In Restricted Working Space, Add	*670.91*	

22 11 19 00-0365 Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0357)*

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0366	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,687.31	286.65
		For Work In Restricted Working Space, Add	*114.66*	
22 11 19 00-0367	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,123.69	322.49
		For Work In Restricted Working Space, Add	*127.20*	
22 11 19 00-0368	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,740.61	477.76
		For Work In Restricted Working Space, Add	*190.99*	
22 11 19 00-0369	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	10,408.65	693.27
		For Work In Restricted Working Space, Add	*375.71*	
22 11 19 00-0370	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	18,211.69	1,039.91
		For Work In Restricted Working Space, Add	*563.57*	

22 11 19 00-0371 Backflow Preventer Accessories *(22 11 19 00-0166)*

22 11 19 00-0372 Air Gap *(22 11 19 00-0371)*

22 11 19 00-0373	EA	Up To 1" Diameter Air Gap For Backflow Preventer	142.89	16.22
22 11 19 00-0374	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	175.87	19.46
22 11 19 00-0375	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	330.65	25.95
22 11 19 00-0376	EA	4" To 6" Diameter Air Gap For Backflow Preventer	654.27	45.40
22 11 19 00-0377	EA	8" To 10" Diameter Air Gap For Backflow Preventer	693.19	64.86

22 11 19 00-0378 Brass Test Cocks *(22 11 19 00-0371)*

22 11 19 00-0379	EA	1/8" Or 1/4" Brass Test Cock	58.17	6.49

22 11 19 00-0380 Backflow Valve Enclosures *(22 11 19 00-0166)*

22 11 19 00-0381 Flip-Top, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0380)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0382	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,647.84	116.74
		For Heated Enclosure, Add	*203.40*	
22 11 19 00-0383	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,027.26	116.74
		For Heated Enclosure, Add	*260.31*	
22 11 19 00-0384	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,571.61	107.49
		For Heated Enclosure, Add	*345.43*	
22 11 19 00-0385	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,671.08	143.33
		For Heated Enclosure, Add	*346.91*	
22 11 19 00-0386	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,799.75	143.33
		For Heated Enclosure, Add	*366.21*	
22 11 19 00-0387	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,301.23	143.33
		For Heated Enclosure, Add	*441.44*	
22 11 19 00-0388	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,314.43	143.33
		For Heated Enclosure, Add	*443.42*	
22 11 19 00-0389	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,168.93	143.33
		For Heated Enclosure, Add	*571.59*	
22 11 19 00-0390	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	9,607.06	214.99
		For Heated Enclosure, Add	*1,360.44*	
22 11 19 00-0391	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,919.16	214.99
		For Heated Enclosure, Add	*2,007.25*	
22 11 19 00-0392	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,226.32	214.99
		For Heated Enclosure, Add	*1,903.33*	

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22 11 19 00-0393	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	15,925.60	250.83
		For Heated Enclosure, Add	*2,294.78*	
22 11 19 00-0394		**One-Piece Drop Over, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0380)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0395	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	876.70	31.13
		For Heated Enclosure, Add	*164.96*	
22 11 19 00-0396	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,226.42	31.13
		For Heated Enclosure, Add	*234.91*	
22 11 19 00-0397	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,545.62	28.67
		For Heated Enclosure, Add	*299.57*	
22 11 19 00-0398	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,344.03	28.67
		For Heated Enclosure, Add	*459.25*	
22 11 19 00-0399	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,080.99	53.75
		For Heated Enclosure, Add	*1,198.28*	
22 11 19 00-0400	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,314.57	53.75
		For Heated Enclosure, Add	*1,645.00*	
22 11 19 00-0401	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,526.72	53.75
		For Heated Enclosure, Add	*1,087.43*	
22 11 19 00-0402	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,259.15	53.75
		For Heated Enclosure, Add	*1,233.91*	
22 11 19 00-0403	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	9,812.42	53.75
		For Heated Enclosure, Add	*1,944.57*	
22 11 19 00-0404		**Sectional, Insulated Aluminum Valve Enclosures** *(22 11 19 00-0380)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0405	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	12,454.30	214.99
		For Heated Enclosure, Add	*1,787.52*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0406	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	13,731.10	214.99
		For Heated Enclosure, Add	*1,979.04*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0407	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	9,762.13	214.99
		For Heated Enclosure, Add	*1,383.70*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0408	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	10,705.71	214.99
		For Heated Enclosure, Add	*1,525.23*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0409	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	12,458.60	286.65
		For Heated Enclosure, Add	*1,761.29*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0410	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	13,969.65	286.65
		For Heated Enclosure, Add	*1,987.95*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0411	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	13,969.65	286.65
		For Heated Enclosure, Add	*1,987.95*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0412	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	15,434.50	286.65
		For Heated Enclosure, Add	*2,207.68*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0413	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	11,590.41	250.83
		For Heated Enclosure, Add	*1,644.50*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0414	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	13,570.44	286.65
		For Heated Enclosure, Add	*1,928.07*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0415	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	15,856.81	286.65
		For Heated Enclosure, Add	*2,271.03*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0416	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	17,406.06	304.57
		For Heated Enclosure, Add	*2,496.69*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0417	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	17,785.47	304.57
		For Heated Enclosure, Add	*2,553.60*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0418	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	19,717.42	322.49
		For Heated Enclosure, Add	*2,836.68*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0419	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	20,472.94	322.49
		For Heated Enclosure, Add	*2,950.01*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0420	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	14,867.04	286.65
		For Heated Enclosure, Add	*2,122.56*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0421	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	15,846.91	286.65
		For Heated Enclosure, Add	*2,269.54*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0422	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	17,930.63	304.57
		For Heated Enclosure, Add	*2,575.38*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0423	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	21,729.95	322.49
		For Heated Enclosure, Add	*3,138.56*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0424	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	18,961.89	322.49
		For Heated Enclosure, Add	*2,723.35*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0425	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	22,784.30	340.40
		For Heated Enclosure, Add	*3,289.99*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0426	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	22,028.78	340.40
		For Heated Enclosure, Add	*3,176.66*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0427	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	25,514.65	358.32
		For Heated Enclosure, Add	*3,692.83*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0428	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	23,584.60	358.32
		For Heated Enclosure, Add	*3,403.32*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0429	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	27,519.20	376.24
		For Heated Enclosure, Add	*3,986.79*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0430	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	27,563.99	394.16
		For Heated Enclosure, Add	*3,986.79*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0431	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	32,673.09	412.07
		For Heated Enclosure, Add	*4,746.44*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	

22 11 19 00-0432 Faucets (Hose Bibbs) *(22 11 19)*

22 11 19 00-0433 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0432)*

22 11 19 00-0434	EA	1/2", 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	69.99	12.97
22 11 19 00-0435	EA	3/4", 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	80.89	14.27
22 11 19 00-0436	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	20.68	9.73

22 11 19 00-0437 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0432)*

22 11 19 00-0438	EA	3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	234.37	39.69

22 11 19 00-0439 Antisiphon Freezeless Wall Faucet (Woodford 19CP) *(22 11 19 00-0432)*

22 11 19 00-0440	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	147.41	32.43
22 11 19 00-0441	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	160.09	35.93
22 11 19 00-0442	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	169.51	38.01
22 11 19 00-0443	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	178.92	40.73
22 11 19 00-0444	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	188.47	43.19

22 11 19 00-0445 Escutcheons *(22 11 19)*

22 11 19 00-0446 Brass Escutcheons *(22 11 19 00-0445)*

22 11 19 00-0447 Shallow Brass Escutcheons *(22 11 19 00-0446)*

22 11 19 00-0448	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	14.11	3.24
22 11 19 00-0449	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	15.16	3.24

22 11 19 00-0450 Deep Bell Brass Escutcheons *(22 11 19 00-0446)*

22 11 19 00-0451	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.53	3.63
22 11 19 00-0452	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.57	3.63

22 11 19 00-0453 Chrome Plated Brass Escutcheons With Setscrew *(22 11 19 00-0446)*

22 11 19 00-0454	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.22	3.24
22 11 19 00-0455	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.47	3.24
22 11 19 00-0456	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.84	3.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0457	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.20	3.24
22 11 19 00-0458	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.62	3.89
22 11 19 00-0459	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.95	3.89
22 11 19 00-0460	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.96	4.28
22 11 19 00-0461	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	30.29	4.54
22 11 19 00-0462	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	43.42	5.19
22 11 19 00-0463		**Plastic Escutcheons** *(22 11 19 00-0445)*		
22 11 19 00-0464		**Split-Ring White Plastic Escutcheons** *(22 11 19 00-0463)*		
22 11 19 00-0465	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	7.96	3.23
22 11 19 00-0466	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	7.96	3.23
22 11 19 00-0467	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	9.30	3.61
22 11 19 00-0468	EA	1" IPS, Split-Ring White Plastic Escutcheon	10.08	3.88
22 11 19 00-0469	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	10.85	4.26
22 11 19 00-0470	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	11.59	4.52
22 11 19 00-0471	EA	2" IPS, Split-Ring White Plastic Escutcheon	13.06	5.16
22 11 19 00-0472	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	16.84	5.55
22 11 19 00-0473	EA	3" IPS, Split-Ring White Plastic Escutcheon	20.63	5.81
22 11 19 00-0474	EA	4" IPS, Split-Ring White Plastic Escutcheon	25.05	6.46
22 11 19 00-0475		**Chrome Plate Plastic Escutcheons** *(22 11 19 00-0463)*		
22 11 19 00-0476	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	10.53	3.23
22 11 19 00-0477	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	11.50	3.61
22 11 19 00-0478	EA	1" IPS, Chrome Plate Plastic Escutcheon	12.92	3.88
22 11 19 00-0479	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	14.33	4.26
22 11 19 00-0480	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	15.09	4.52
22 11 19 00-0481	EA	2" IPS, Chrome Plate Plastic Escutcheon	19.02	5.16
22 11 19 00-0482	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	27.58	5.55
22 11 19 00-0483	EA	3" IPS, Chrome Plate Plastic Escutcheon	28.56	5.81
22 11 19 00-0484	EA	4" IPS, Chrome Plate Plastic Escutcheon	30.51	6.46
22 11 19 00-0485		**Stainless Steel Escutcheons** *(22 11 19 00-0445)*		
22 11 19 00-0486		**Shallow Stainless Steel Escutcheons** *(22 11 19 00-0485)*		
22 11 19 00-0487	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	19.68	3.24
22 11 19 00-0488	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	19.68	3.24
22 11 19 00-0489	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	27.90	3.63
22 11 19 00-0490		**Chrome Plated Steel Escutcheons** *(22 11 19 00-0445)*		
22 11 19 00-0491		**Split-Ring Chrome Plated Steel Escutcheons** *(22 11 19 00-0490)*		
22 11 19 00-0492	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.23	3.23
22 11 19 00-0493	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.87	3.61
22 11 19 00-0494	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.67	3.88
22 11 19 00-0495	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.31	4.26
22 11 19 00-0496	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.96	4.52
22 11 19 00-0497	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.48	5.16
22 11 19 00-0498	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.31	5.55
22 11 19 00-0499	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	18.38	5.81
22 11 19 00-0500	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.65	6.19
22 11 19 00-0501	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	20.05	6.46
22 11 19 00-0502	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	25.87	7.10
22 11 19 00-0503	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	30.17	7.75
22 11 19 00-0504		**Split-Ring/Springs Chrome Plated Steel Escutcheons** *(22 11 19 00-0490)*		
22 11 19 00-0505	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.58	3.23
22 11 19 00-0506	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.58	3.23
22 11 19 00-0507	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.38	3.61
22 11 19 00-0508	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.23	3.88
22 11 19 00-0509	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.81	4.26
22 11 19 00-0510	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	15.67	4.52
22 11 19 00-0511	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	18.58	5.16
22 11 19 00-0512	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	21.37	5.55
22 11 19 00-0513	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	26.12	5.81
22 11 19 00-0514	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	32.11	6.19
22 11 19 00-0515	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	32.59	6.46
22 11 19 00-0516	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	53.83	7.10
22 11 19 00-0517	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	56.19	7.75
22 11 19 00-0518		**Deep Bell Chrome Plated Steel Escutcheons** *(22 11 19 00-0490)*		
22 11 19 00-0519	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.85	3.63
22 11 19 00-0520	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.73	3.63
22 11 19 00-0521	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.46	3.63
22 11 19 00-0522	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.41	3.89
22 11 19 00-0523	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	10.21	4.28
22 11 19 00-0524	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	11.23	4.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0525		**Shallow Chrome Plated Steel Escutcheons** *(22 11 19 00-0490)*		
22 11 19 00-0526	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	7.95	3.24
22 11 19 00-0527	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	7.95	3.24
22 11 19 00-0528	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	8.08	3.24
22 11 19 00-0529	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	8.65	3.89
22 11 19 00-0530	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	9.35	4.28
22 11 19 00-0531	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	10.36	4.54
22 11 19 00-0532	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	11.74	5.19
22 11 19 00-0533		**Keyed, Recessed Valve Boxes** *(22 11 19)*		
22 11 19 00-0534	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	376.77	38.73
22 11 19 00-0535	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	419.53	38.73
22 11 19 00-0536	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	483.68	38.73
22 11 19 00-0537	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	466.74	51.64
22 11 19 00-0538	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	530.88	51.64
22 11 19 00-0539	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	550.12	51.64
22 11 19 00-0540	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	445.19	38.73
22 11 19 00-0541	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	539.27	38.73
22 11 19 00-0542	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	622.65	38.73
22 11 19 00-0543	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	586.47	51.64
22 11 19 00-0544	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	669.86	51.64
22 11 19 00-0545	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	701.93	51.64

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic Water Packaged Booster Pumps *(22 11 23)*

Note: Includes motor starter and controls.

22 11 23 13-0001		**Simplex Domestic Water Packaged Booster Pumps And Tank** *(22 11 23 13)*		
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	16,874.12	382.21
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	17,445.62	513.60
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,138.64	644.98
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,770.88	776.36
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	20,739.81	907.75
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	23,012.53	1,039.14
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	24,556.15	1,170.52
22 11 23 13-0009		**Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator** *(22 11 23 13)*		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	45,006.25	1,548.63
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	54,389.27	1,645.42
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	63,811.02	1,742.21
22 11 23 13-0013		**Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator** *(22 11 23 13)*		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	59,568.89	1,645.42
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	74,418.61	1,742.21
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	92,686.42	1,935.79
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	117,688.51	2,129.36
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	142,690.58	2,322.95
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	166,307.83	2,613.31
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	189,925.09	2,903.68
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	213,542.36	3,194.04
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	237,401.58	3,581.21
22 11 23 13-0023		**Variable Speed Duplex Domestic Water Pressure Booster Skid** *(22 11 23 13)* Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	43,270.09	1,703.67
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	45,272.71	1,703.67
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	48,134.22	1,703.67
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	52,259.06	1,703.67
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	49,276.71	1,810.16
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	52,877.51	1,810.16
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	57,767.74	1,810.16
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	61,742.54	1,810.16
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	53,859.09	1,916.63
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	57,414.23	1,916.63
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	65,363.84	1,916.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	78,705.96	1,916.63
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	56,914.12	1,916.63
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	64,165.75	1,916.63
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	80,128.02	1,916.63
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	79,667.04	1,916.63
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	95,059.29	2,129.59
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	65,161.29	2,129.59
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	79,697.16	2,129.59
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	79,238.36	2,129.59
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	95,772.50	2,129.59
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	115,996.59	2,129.59
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	54,820.50	1,703.67

22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	54,820.50	1,703.67
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	61,382.84	1,703.67
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	67,044.98	1,703.67
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	61,649.04	1,810.16
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	67,272.04	1,810.16
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	62,962.38	1,810.16
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	67,796.07	1,810.16
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	74,443.21	1,810.16
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	79,953.14	1,810.16
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	63,546.04	1,916.63
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12)	68,379.73	1,916.63
22 11 23 13-0059	EA	300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13)	75,024.70	1,916.63
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14)	80,534.63	1,916.63
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15)	68,982.04	1,916.63
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16)	73,624.39	1,916.63
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	85,094.35	1,916.63
22 11 23 13-0064	EA	360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	103,811.58	1,916.63
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	70,462.48	2,129.59
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	75,107.00	2,129.59
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	86,576.96	2,129.59
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	105,292.02	2,129.59
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	74,354.66	2,129.59
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	84,778.73	2,129.59
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	107,422.93	2,129.59
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	109,616.90	2,129.59
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	135,903.22	2,129.59
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	84,236.64	2,555.51
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	101,416.57	2,555.51
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	107,931.08	2,555.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	130,277.38	2,555.51
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	161,547.43	2,555.51

22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,197.50	214.99
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,229.72	214.99
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,287.33	219.17
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,419.51	228.13
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,554.82	236.61
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	2,726.25	236.61
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	4,080.25	260.51
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,254.01	286.20
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	5,152.26	314.88
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	5,264.49	346.55
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	5,757.14	380.60
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	8,258.06	418.84
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	9,515.55	439.16

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,247.77	214.99
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	2,096.21	214.99
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,104.84	219.17
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,141.20	223.95
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	2,149.55	228.13
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	2,189.80	236.61
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	2,678.48	260.51
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,457.14	314.88
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	3,641.31	346.55
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	4,251.78	380.60
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	5,744.20	418.84
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	6,719.00	439.16
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,027.68	461.27
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,478.89	507.04
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	7,117.91	537.74
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,024.86	597.49
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,567.30	717.11
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	12,209.11	836.85

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	45,299.40	10,181.42
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	51,651.17	10,181.42
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	93,530.28	15,712.10
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	120,710.87	20,362.85

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	54,709.42	10,181.42
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	76,822.97	10,181.42
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	114,389.88	15,712.10
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	165,159.49	20,362.85

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,868.33	477.76
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,553.08	597.20
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,590.34	656.92
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	7,288.89	716.64
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	14,525.85	776.36
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	12,504.29	836.08
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	21,504.05	895.80
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	19,807.23	955.52
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	21,519.25	1,015.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	25,649.72	1,074.96

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,449.60	477.76
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,732.46	597.20
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,924.39	656.92
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	7,330.11	716.64
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	6,217.49	716.64
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,639.84	776.36
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	10,433.21	836.08
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	9,927.76	836.08
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	9,053.42	836.08
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	12,405.96	895.80
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	13,459.33	955.52
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	15,633.09	1,015.24
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	29,393.56	1,074.96

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	774.56	268.75
		For Saddle Assembly, Add	*863.91*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	907.31	313.53
		For Saddle Assembly, Add	*863.91*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,076.57	358.32
		For Saddle Assembly, Add	*988.06*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,311.56	403.11
		For Saddle Assembly, Add	*1,472.49*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,573.33	447.91
		For Two Tie Down Bands, Add	*496.39*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,025.71	604.77
		For Two Tie Down Bands, Add	*530.47*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,029.81	705.56
		For Three Tie Down Bands, Add	*905.24*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,373.60	806.37
		For Three Tie Down Bands, Add	*912.55*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,459.81	907.16
		For Four Tie Down Bands, Add	*1,236.20*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,396.19	1,007.96
		For Four Tie Down Bands, Add	*1,732.80*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,146.35	1,108.75
		For Four Tie Down Bands, Add	*2,278.08*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,595.26	1,209.55
		For Four Tie Down Bands, Add	*2,463.09*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	15,220.26	1,612.72
		For Four Tie Down Bands, Add	*2,784.42*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	19,694.28	1,612.72
		For Five Tie Down Bands, Add	*4,369.04*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	845.32	358.32
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	1,018.81	380.72
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	1,119.25	403.11
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,356.68	447.91
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,546.71	537.48
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,826.82	627.07
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,545.44	806.37
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,296.21	1,007.96
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,431.62	1,209.55
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,795.84	1,411.13
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,530.58	1,612.72
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	11,552.56	1,814.31
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	13,096.92	2,015.90
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	14,431.93	2,217.50
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	16,628.68	2,419.09
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	18,784.05	2,620.68
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	23,252.00	2,822.27
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	27,976.58	3,225.45

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

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CSI		MINOR UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0001		**Fixture Rough-In** *(22 13 13)* Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0383 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.		
22 13 13 00-0002		**Single Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,117.38	
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,466.01	
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,019.86	
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	657.79	
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	775.03	
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	992.29	
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,052.78	
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	636.77	
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,019.86	
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,051.60	
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	991.86	
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,117.38	
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,749.30	
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,082.68	
22 13 13 00-0017		**Double Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,447.42	
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,964.84	
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,250.43	
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	783.23	
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,057.42	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,119.23	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	741.83	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,262.36	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,106.25	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,076.43	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,447.42	
22 13 13 00-0029		**Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	723.15	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	982.42	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	625.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	392.21	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	528.73	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	559.59	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	400.78	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	630.59	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	553.13	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	538.79	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	714.77	
22 13 13 00-0041		**Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	678.77	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	756.83	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	643.08	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	389.12	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	456.23	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	617.78	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	627.65	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	384.53	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	643.08	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	682.14	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	629.76	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	678.62	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,048.97	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	653.77	
22 13 13 00-0056		**Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	829.38	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	991.24	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	720.84	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	434.83	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	635.32	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	664.05	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	422.82	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0064		EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	731.46	
22 13 13 00-0065		EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	702.06	
22 13 13 00-0066		EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	675.40	
22 13 13 00-0067		EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	829.38	

22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0069		EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	414.21	
22 13 13 00-0070		EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	495.05	
22 13 13 00-0071		EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	360.78	
22 13 13 00-0072		EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	217.48	
22 13 13 00-0073		EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	317.63	
22 13 13 00-0074		EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	331.73	
22 13 13 00-0075		EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	211.40	
22 13 13 00-0076		EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	365.63	
22 13 13 00-0077		EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	351.06	
22 13 13 00-0078		EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	338.21	
22 13 13 00-0079		EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	406.29	

22 13 16 Sanitary Waste and Vent Piping *(22 13)*

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies *(22 13 16)*

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003		LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	36.58	7.53
			For Work In Restricted Working Space, Add	*5.52*	
22 13 16 00-0004		LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	52.18	11.34
			For Work In Restricted Working Space, Add	*7.49*	
22 13 16 00-0005		LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	67.69	14.45
			For Work In Restricted Working Space, Add	*9.63*	
22 13 16 00-0006		LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	78.59	17.44
			For Work In Restricted Working Space, Add	*9.82*	
22 13 16 00-0007		LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	92.20	19.01
			For Work In Restricted Working Space, Add	*10.90*	
22 13 16 00-0008		LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	146.07	27.10
			For Work In Restricted Working Space, Add	*15.35*	
22 13 16 00-0009		LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	213.60	27.10
			For Work In Restricted Working Space, Add	*17.37*	

22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0011	LF	1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	38.09	7.17
		For Work In Restricted Working Space, Add	*6.29*	
22 13 16 00-0012	LF	2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	40.33	7.64
		For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0013	LF	3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	51.91	11.11
		For Work In Restricted Working Space, Add	*8.29*	
22 13 16 00-0014	LF	4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	62.82	14.45
		For Work In Restricted Working Space, Add	*9.92*	
22 13 16 00-0015	LF	5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	82.08	17.11
		For Work In Restricted Working Space, Add	*11.61*	
22 13 16 00-0016	LF	6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	94.19	18.67
		For Work In Restricted Working Space, Add	*12.65*	
22 13 16 00-0017	LF	8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	148.82	26.88
		For Work In Restricted Working Space, Add	*17.49*	
22 13 16 00-0018	LF	10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	216.08	30.54
		For Work In Restricted Working Space, Add	*20.33*	

22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).

22 13 16 00-0020 Bell And Spigot Cast Iron Pipe *(22 13 16 00-0019)*

Note: Excludes excavation, hangers, gaskets, and fittings.

22 13 16 00-0021	LF	2" Bell And Spigot Cast Iron Pipe	25.93	7.53
		For Extra Heavy Pipe, Add	*6.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.57*	
		For Work In Restricted Working Space, Add	*3.41*	
22 13 16 00-0022	LF	3" Bell And Spigot Cast Iron Pipe	37.92	11.34
		For Extra Heavy Pipe, Add	*8.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.85*	
		For Work In Restricted Working Space, Add	*5.12*	
22 13 16 00-0023	LF	4" Bell And Spigot Cast Iron Pipe	48.84	14.45
		For Extra Heavy Pipe, Add	*11.39*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.09*	
		For Work In Restricted Working Space, Add	*6.51*	
22 13 16 00-0024	LF	5" Bell And Spigot Cast Iron Pipe	64.37	17.44
		For Extra Heavy Pipe, Add	*16.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.30*	
		For Work In Restricted Working Space, Add	*7.83*	
22 13 16 00-0025	LF	6" Bell And Spigot Cast Iron Pipe	75.08	19.01
		For Extra Heavy Pipe, Add	*19.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.42*	
		For Work In Restricted Working Space, Add	*8.54*	
22 13 16 00-0026	LF	8" Bell And Spigot Cast Iron Pipe	113.17	27.10
		For Extra Heavy Pipe, Add	*30.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.03*	
		For Work In Restricted Working Space, Add	*12.20*	
22 13 16 00-0027	LF	10" Bell And Spigot Cast Iron Pipe	166.47	30.54
		For Extra Heavy Pipe, Add	*50.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.29*	
		For Work In Restricted Working Space, Add	*13.73*	
22 13 16 00-0028	LF	12" Bell And Spigot Cast Iron Pipe	236.36	40.71
		For Extra Heavy Pipe, Add	*73.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.05*	
		For Work In Restricted Working Space, Add	*18.30*	
22 13 16 00-0029	LF	15" Bell And Spigot Cast Iron Pipe	329.51	48.83
		For Extra Heavy Pipe, Add	*107.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.96*	

22 13 16 00-0030 Bell And Spigot Cast Iron Fittings *(22 13 16 00-0019)*

22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps *(22 13 16 00-0030)*

22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	117.32	34.28
		For Extra Heavy Fittings, Add	*23.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	198.38	43.12
		For Extra Heavy Fittings, Add	*46.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	264.29	57.33
		For Extra Heavy Fittings, Add	*62.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.78*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	410.93	73.80
		For Extra Heavy Fittings, Add	*105.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.53*	
		For Work In Restricted Working Space, Add	*33.19*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	812.75	95.39
		For Extra Heavy Fittings, Add	*234.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.89*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	1,111.48	117.34
		For Extra Heavy Fittings, Add	*327.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.80*	
		For Work In Restricted Working Space, Add	*52.79*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,704.13	163.78
		For Extra Heavy Fittings, Add	*510.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.28*	
		For Work In Restricted Working Space, Add	*73.67*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	3,162.91	228.06
		For Extra Heavy Fittings, Add	*987.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.10*	
		For Work In Restricted Working Space, Add	*102.58*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	99.91	34.28
		For Extra Heavy Fittings, Add	*16.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	169.16	43.12
		For Extra Heavy Fittings, Add	*36.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.37*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	231.43	57.33
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.78*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	345.60	62.73
		For Extra Heavy Fittings, Add	*88.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.70*	
		For Work In Restricted Working Space, Add	*28.20*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	417.19	73.80
		For Extra Heavy Fittings, Add	*107.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.53*	
		For Work In Restricted Working Space, Add	*33.19*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	686.81	95.39
		For Extra Heavy Fittings, Add	*190.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.89*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	1,004.02	117.34
		For Extra Heavy Fittings, Add	*289.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.80*	
		For Work In Restricted Working Space, Add	*52.79*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,664.05	163.78
		For Extra Heavy Fittings, Add	*496.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.28*	
		For Work In Restricted Working Space, Add	*73.67*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	90.03	34.16
		For Extra Heavy Fittings, Add	*13.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.56*	
		For Work In Restricted Working Space, Add	*15.38*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	135.16	38.46
		For Extra Heavy Fittings, Add	*27.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.89*	
		For Work In Restricted Working Space, Add	*17.31*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	193.08	51.24
		For Extra Heavy Fittings, Add	*40.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.84*	
		For Work In Restricted Working Space, Add	*23.04*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	240.11	56.02
		For Extra Heavy Fittings, Add	*54.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.20*	
		For Work In Restricted Working Space, Add	*25.18*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	288.80	67.09
		For Extra Heavy Fittings, Add	*65.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.20*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	598.51	87.83
		For Extra Heavy Fittings, Add	*163.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.58*	
		For Work In Restricted Working Space, Add	*39.50*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	882.12	106.59
		For Extra Heavy Fittings, Add	*252.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.99*	
		For Work In Restricted Working Space, Add	*47.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,162.64	125.81
		For Extra Heavy Fittings, Add	*340.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.43*	
		For Work In Restricted Working Space, Add	*56.60*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,968.05	198.44
		For Extra Heavy Fittings, Add	*934.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.87*	
		For Work In Restricted Working Space, Add	*89.24*	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	82.32	34.28
		For Extra Heavy Fittings, Add	*10.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	128.43	43.12
		For Extra Heavy Fittings, Add	*22.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.37*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	182.83	57.33
		For Extra Heavy Fittings, Add	*33.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.78*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	227.25	70.11
		For Extra Heavy Fittings, Add	*42.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.25*	
		For Work In Restricted Working Space, Add	*31.52*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	262.74	78.16
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.86*	
		For Work In Restricted Working Space, Add	*35.17*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	521.82	105.22
		For Extra Heavy Fittings, Add	*127.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.89*	
		For Work In Restricted Working Space, Add	*47.33*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	729.41	129.82
		For Extra Heavy Fittings, Add	*187.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.73*	
		For Work In Restricted Working Space, Add	*58.40*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	1,177.60	168.35
		For Extra Heavy Fittings, Add	*323.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.62*	
		For Work In Restricted Working Space, Add	*75.70*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,253.71	198.44
		For Extra Heavy Fittings, Add	*684.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.87*	
		For Work In Restricted Working Space, Add	*89.24*	

22 13 16 00-0069 Bell And Spigot Cast Iron Wyes *(22 13 16 00-0030)*

22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	144.62	76.56
		For Extra Heavy Fittings, Add	*10.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.74*	
		For Work In Restricted Working Space, Add	*34.46*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	181.50	83.85
		For Extra Heavy Fittings, Add	*19.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.72*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	238.92	109.89
		For Extra Heavy Fittings, Add	*25.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.41*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	304.61	120.65
		For Extra Heavy Fittings, Add	*43.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.05*	
		For Work In Restricted Working Space, Add	*54.28*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	382.00	143.01
		For Extra Heavy Fittings, Add	*58.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.72*	
		For Work In Restricted Working Space, Add	*64.33*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	698.98	192.15
		For Extra Heavy Fittings, Add	*143.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.41*	
		For Work In Restricted Working Space, Add	*86.43*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	978.95	217.99
		For Extra Heavy Fittings, Add	*228.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.34*	
		For Work In Restricted Working Space, Add	*98.03*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,447.00	265.35
		For Extra Heavy Fittings, Add	*367.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.89*	
		For Work In Restricted Working Space, Add	*119.35*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	2,242.89	297.72
		For Extra Heavy Fittings, Add	*628.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.32*	
		For Work In Restricted Working Space, Add	*133.90*	

22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	227.09	80.02
		For Extra Heavy Fittings, Add	*37.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.00*	
		For Work In Restricted Working Space, Add	*36.00*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	276.47	98.90
		For Extra Heavy Fittings, Add	*44.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.42*	
		For Work In Restricted Working Space, Add	*44.50*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	308.09	101.40
		For Extra Heavy Fittings, Add	*54.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.61*	
		For Work In Restricted Working Space, Add	*45.63*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	452.00	128.14
		For Extra Heavy Fittings, Add	*90.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.60*	
		For Work In Restricted Working Space, Add	*57.61*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	463.70	130.49
		For Extra Heavy Fittings, Add	*93.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.78*	
		For Work In Restricted Working Space, Add	*58.70*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	485.42	139.22
		For Extra Heavy Fittings, Add	*96.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.44*	
		For Work In Restricted Working Space, Add	*62.62*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	713.84	154.52
		For Extra Heavy Fittings, Add	*168.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.58*	
		For Work In Restricted Working Space, Add	*69.50*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	746.12	157.49
		For Extra Heavy Fittings, Add	*178.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.80*	
		For Work In Restricted Working Space, Add	*70.82*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	764.14	164.93
		For Extra Heavy Fittings, Add	*180.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.36*	
		For Work In Restricted Working Space, Add	*74.19*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	902.75	183.46
		For Extra Heavy Fittings, Add	*219.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.76*	
		For Work In Restricted Working Space, Add	*82.53*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,112.56	171.90
		For Extra Heavy Fittings, Add	*299.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.89*	
		For Work In Restricted Working Space, Add	*77.32*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,157.36	179.45
		For Extra Heavy Fittings, Add	*310.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.46*	
		For Work In Restricted Working Space, Add	*80.73*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,266.18	198.44
		For Extra Heavy Fittings, Add	*339.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.87*	
		For Work In Restricted Working Space, Add	*89.24*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,673.57	210.45
		For Extra Heavy Fittings, Add	*475.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.78*	
		For Work In Restricted Working Space, Add	*94.65*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,722.47	210.45
		For Extra Heavy Fittings, Add	*492.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.78*	
		For Work In Restricted Working Space, Add	*94.65*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,792.84	228.06
		For Extra Heavy Fittings, Add	*507.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.10*	
		For Work In Restricted Working Space, Add	*102.58*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,104.98	239.38
		For Extra Heavy Fittings, Add	*611.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.94*	
		For Work In Restricted Working Space, Add	*107.64*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,558.29	246.48
		For Extra Heavy Fittings, Add	*766.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.48*	
		For Work In Restricted Working Space, Add	*110.86*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,228.26	232.40
		For Extra Heavy Fittings, Add	*1,357.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.42*	
		For Work In Restricted Working Space, Add	*104.53*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,412.96	251.50
		For Extra Heavy Fittings, Add	*1,412.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.86*	
		For Work In Restricted Working Space, Add	*113.15*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,503.45	262.37
		For Extra Heavy Fittings, Add	*1,438.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.67*	
		For Work In Restricted Working Space, Add	*118.01*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,608.35	271.29
		For Extra Heavy Fittings, Add	*1,470.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.33*	
		For Work In Restricted Working Space, Add	*122.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,724.92	287.08
		For Extra Heavy Fittings, Add	*1,503.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.52*	
		For Work In Restricted Working Space, Add	*129.11*	

22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	157.37	76.56
		For Extra Heavy Fittings, Add	*14.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.74*	
		For Work In Restricted Working Space, Add	*34.46*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	189.36	83.85
		For Extra Heavy Fittings, Add	*22.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.72*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	252.60	109.89
		For Extra Heavy Fittings, Add	*30.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.41*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	348.98	126.58
		For Extra Heavy Fittings, Add	*55.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.49*	
		For Work In Restricted Working Space, Add	*56.91*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	437.01	156.99
		For Extra Heavy Fittings, Add	*70.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.77*	
		For Work In Restricted Working Space, Add	*70.60*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	801.08	206.90
		For Extra Heavy Fittings, Add	*171.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.51*	
		For Work In Restricted Working Space, Add	*93.05*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,155.64	271.29
		For Extra Heavy Fittings, Add	*262.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.33*	
		For Work In Restricted Working Space, Add	*122.00*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,549.22	348.73
		For Extra Heavy Fittings, Add	*359.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*26.14*	
		For Work In Restricted Working Space, Add	*156.85*	

22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	167.73	80.02
		For Extra Heavy Fittings, Add	*16.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.00*	
		For Work In Restricted Working Space, Add	*36.00*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	236.00	98.90
		For Extra Heavy Fittings, Add	*30.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.42*	
		For Work In Restricted Working Space, Add	*44.50*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	254.68	101.40
		For Extra Heavy Fittings, Add	*35.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.61*	
		For Work In Restricted Working Space, Add	*45.63*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	375.40	128.14
		For Extra Heavy Fittings, Add	*64.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.60*	
		For Work In Restricted Working Space, Add	*57.61*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	390.98	130.49
		For Extra Heavy Fittings, Add	*68.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.78*	
		For Work In Restricted Working Space, Add	*58.70*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	414.46	139.22
		For Extra Heavy Fittings, Add	*72.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.44*	
		For Work In Restricted Working Space, Add	*62.62*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	571.56	154.52
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.58*	
		For Work In Restricted Working Space, Add	*69.50*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	587.20	164.93
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.36*	
		For Work In Restricted Working Space, Add	*74.19*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	741.73	183.46
		For Extra Heavy Fittings, Add	*163.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.76*	
		For Work In Restricted Working Space, Add	*82.53*	

22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	254.90	91.61
		For Extra Heavy Fittings, Add	*41.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.86*	
		For Work In Restricted Working Space, Add	*41.19*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	370.56	115.49
		For Extra Heavy Fittings, Add	*69.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.66*	
		For Work In Restricted Working Space, Add	*51.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	502.58	146.07
		For Extra Heavy Fittings, Add	*99.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.95*	
		For Work In Restricted Working Space, Add	*65.72*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	958.32	219.72
		For Extra Heavy Fittings, Add	*220.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.47*	
		For Work In Restricted Working Space, Add	*98.83*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,920.11	259.74
		For Extra Heavy Fittings, Add	*535.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.47*	
		For Work In Restricted Working Space, Add	*116.81*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,544.61	290.62
		For Extra Heavy Fittings, Add	*738.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.79*	
		For Work In Restricted Working Space, Add	*130.71*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,764.35	348.73
		For Extra Heavy Fittings, Add	*434.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*26.14*	
		For Work In Restricted Working Space, Add	*156.85*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,975.31	366.00
		For Extra Heavy Fittings, Add	*1,549.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*27.45*	
		For Work In Restricted Working Space, Add	*164.70*	

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	231.85	108.33
		For Extra Heavy Fittings, Add	*24.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.12*	
		For Work In Restricted Working Space, Add	*48.74*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	269.39	124.45
		For Extra Heavy Fittings, Add	*28.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.33*	
		For Work In Restricted Working Space, Add	*55.99*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	291.69	130.55
		For Extra Heavy Fittings, Add	*33.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.79*	
		For Work In Restricted Working Space, Add	*58.74*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	371.58	152.41
		For Extra Heavy Fittings, Add	*50.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.42*	
		For Work In Restricted Working Space, Add	*68.54*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	393.92	158.22
		For Extra Heavy Fittings, Add	*54.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.86*	
		For Work In Restricted Working Space, Add	*71.16*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	453.27	172.54
		For Extra Heavy Fittings, Add	*68.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.93*	
		For Work In Restricted Working Space, Add	*77.60*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	732.11	200.15
		For Extra Heavy Fittings, Add	*151.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.00*	
		For Work In Restricted Working Space, Add	*90.00*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	797.40	236.86
		For Extra Heavy Fittings, Add	*154.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.76*	
		For Work In Restricted Working Space, Add	*106.56*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	779.91	214.10
		For Extra Heavy Fittings, Add	*160.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.05*	
		For Work In Restricted Working Space, Add	*96.32*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	908.93	251.50
		For Extra Heavy Fittings, Add	*186.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.86*	
		For Work In Restricted Working Space, Add	*113.15*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,120.09	274.15
		For Extra Heavy Fittings, Add	*248.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.55*	
		For Work In Restricted Working Space, Add	*123.31*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	1,144.09	280.44
		For Extra Heavy Fittings, Add	*253.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.02*	
		For Work In Restricted Working Space, Add	*126.15*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,462.54	305.14
		For Extra Heavy Fittings, Add	*351.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.87*	
		For Work In Restricted Working Space, Add	*137.25*	

22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	212.74	91.61
		For Extra Heavy Fittings, Add	*26.41*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.86*	
		For Work In Restricted Working Space, Add	*41.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	286.50	122.55
		For Extra Heavy Fittings, Add	*35.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.19*	
		For Work In Restricted Working Space, Add	*55.13*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	374.29	153.24
		For Extra Heavy Fittings, Add	*50.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.48*	
		For Work In Restricted Working Space, Add	*68.91*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	816.44	245.56
		For Extra Heavy Fittings, Add	*156.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.41*	
		For Work In Restricted Working Space, Add	*110.45*	

22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	283.97	109.89
		For Extra Heavy Fittings, Add	*41.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.41*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	336.90	124.45
		For Extra Heavy Fittings, Add	*52.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.33*	
		For Work In Restricted Working Space, Add	*55.99*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	378.20	138.56
		For Extra Heavy Fittings, Add	*59.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.38*	
		For Work In Restricted Working Space, Add	*62.30*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	753.19	183.16
		For Extra Heavy Fittings, Add	*167.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.73*	
		For Work In Restricted Working Space, Add	*82.39*	

22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	173.75	76.68
		For Extra Heavy Fittings, Add	*20.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.49*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	197.53	83.85
		For Extra Heavy Fittings, Add	*25.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.72*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	317.49	102.72
		For Extra Heavy Fittings, Add	*57.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.70*	
		For Work In Restricted Working Space, Add	*46.22*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	458.31	111.60
		For Extra Heavy Fittings, Add	*101.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.37*	
		For Work In Restricted Working Space, Add	*50.22*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	549.81	133.85
		For Extra Heavy Fittings, Add	*122.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.04*	
		For Work In Restricted Working Space, Add	*60.21*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	1,182.43	175.56
		For Extra Heavy Fittings, Add	*321.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.16*	
		For Work In Restricted Working Space, Add	*78.97*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,776.91	214.10
		For Extra Heavy Fittings, Add	*509.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.05*	
		For Work In Restricted Working Space, Add	*96.32*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,651.33	251.50
		For Extra Heavy Fittings, Add	*795.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.86*	
		For Work In Restricted Working Space, Add	*113.15*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	232.67	80.02
		For Extra Heavy Fittings, Add	*39.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.00*	
		For Work In Restricted Working Space, Add	*36.00*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	275.46	93.76
		For Extra Heavy Fittings, Add	*47.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.16*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	288.46	93.76
		For Extra Heavy Fittings, Add	*51.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.16*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	434.67	128.14
		For Extra Heavy Fittings, Add	*84.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.60*	
		For Work In Restricted Working Space, Add	*57.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	452.56	130.49
		For Extra Heavy Fittings, Add	*89.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.78*	
		For Work In Restricted Working Space, Add	*58.70*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	490.99	139.22
		For Extra Heavy Fittings, Add	*98.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.44*	
		For Work In Restricted Working Space, Add	*62.62*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	837.80	164.93
		For Extra Heavy Fittings, Add	*206.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.36*	
		For Work In Restricted Working Space, Add	*74.19*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	1,051.93	183.46
		For Extra Heavy Fittings, Add	*271.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.76*	
		For Work In Restricted Working Space, Add	*82.53*	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	149.20	76.56
		For Extra Heavy Fittings, Add	*12.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.74*	
		For Work In Restricted Working Space, Add	*34.46*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	185.52	83.85
		For Extra Heavy Fittings, Add	*20.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.72*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	245.73	109.89
		For Extra Heavy Fittings, Add	*28.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.41*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	310.60	126.58
		For Extra Heavy Fittings, Add	*42.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.49*	
		For Work In Restricted Working Space, Add	*56.91*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	391.08	156.99
		For Extra Heavy Fittings, Add	*54.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.77*	
		For Work In Restricted Working Space, Add	*70.60*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	672.58	206.90
		For Extra Heavy Fittings, Add	*126.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.51*	
		For Work In Restricted Working Space, Add	*93.05*	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	153.23	76.56
		For Extra Heavy Fittings, Add	*13.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.74*	
		For Work In Restricted Working Space, Add	*34.46*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	169.12	83.85
		For Extra Heavy Fittings, Add	*15.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.72*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	218.18	109.89
		For Extra Heavy Fittings, Add	*18.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.41*	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	155.77	76.56
		For Extra Heavy Fittings, Add	*14.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.74*	
		For Work In Restricted Working Space, Add	*34.46*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	173.95	83.85
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.72*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	230.31	109.89
		For Extra Heavy Fittings, Add	*22.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.41*	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	86.29	43.12
		For Extra Heavy Fittings, Add	*7.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.37*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	108.04	56.85
		For Extra Heavy Fittings, Add	*7.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.27*	
		For Work In Restricted Working Space, Add	*25.60*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	115.46	57.33
		For Extra Heavy Fittings, Add	*10.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	144.55	67.76
		For Extra Heavy Fittings, Add	*15.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.08*	
		For Work In Restricted Working Space, Add	*30.50*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	151.21	68.66
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.15*	
		For Work In Restricted Working Space, Add	*30.90*	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	156.06	70.11
		For Extra Heavy Fittings, Add	*17.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.25*	
		For Work In Restricted Working Space, Add	*31.52*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	202.47	72.23
		For Extra Heavy Fittings, Add	*32.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.50*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	228.71	89.09
		For Extra Heavy Fittings, Add	*33.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.68*	
		For Work In Restricted Working Space, Add	*40.07*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	234.73	91.38
		For Extra Heavy Fittings, Add	*34.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.85*	
		For Work In Restricted Working Space, Add	*41.12*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	242.43	95.39
		For Extra Heavy Fittings, Add	*34.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.89*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	302.90	107.06
		For Extra Heavy Fittings, Add	*49.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.03*	
		For Work In Restricted Working Space, Add	*48.16*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	319.35	112.43
		For Extra Heavy Fittings, Add	*52.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.59*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	340.30	117.34
		For Extra Heavy Fittings, Add	*57.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.80*	
		For Work In Restricted Working Space, Add	*52.79*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	423.05	127.19
		For Extra Heavy Fittings, Add	*81.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.53*	
		For Work In Restricted Working Space, Add	*57.19*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	471.75	148.80
		For Extra Heavy Fittings, Add	*87.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.16*	
		For Work In Restricted Working Space, Add	*66.95*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	510.11	169.50
		For Extra Heavy Fittings, Add	*89.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.71*	
		For Work In Restricted Working Space, Add	*76.25*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	558.74	195.23
		For Extra Heavy Fittings, Add	*93.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.64*	
		For Work In Restricted Working Space, Add	*87.81*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	730.88	195.23
		For Extra Heavy Fittings, Add	*153.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.64*	
		For Work In Restricted Working Space, Add	*87.81*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	777.65	210.45
		For Extra Heavy Fittings, Add	*161.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.78*	
		For Work In Restricted Working Space, Add	*94.65*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	809.71	221.88
		For Extra Heavy Fittings, Add	*166.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.64*	
		For Work In Restricted Working Space, Add	*99.82*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	853.18	236.86
		For Extra Heavy Fittings, Add	*174.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.76*	
		For Work In Restricted Working Space, Add	*106.56*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	88.51	34.28
		For Extra Heavy Fittings, Add	*13.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	118.60	43.12
		For Extra Heavy Fittings, Add	*18.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.37*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	161.63	57.33
		For Extra Heavy Fittings, Add	*26.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	256.31	62.73
		For Extra Heavy Fittings, Add	*56.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.70*	
		For Work In Restricted Working Space, Add	*28.20*	
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	344.35	73.80
		For Extra Heavy Fittings, Add	*81.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.53*	
		For Work In Restricted Working Space, Add	*33.19*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	766.90	95.39
		For Extra Heavy Fittings, Add	*218.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.89*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	850.04	117.34
		For Extra Heavy Fittings, Add	*235.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.80*	
		For Work In Restricted Working Space, Add	*52.79*	

22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps *(22 13 16 00-0030)*

22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	102.62	34.28
		For Extra Heavy Fittings, Add	*17.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	146.33	43.12
		For Extra Heavy Fittings, Add	*28.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.37*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	213.19	57.33
		For Extra Heavy Fittings, Add	*44.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.78*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	348.88	70.11
		For Extra Heavy Fittings, Add	*85.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.25*	
		For Work In Restricted Working Space, Add	*31.52*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	370.16	78.16
		For Extra Heavy Fittings, Add	*88.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.86*	
		For Work In Restricted Working Space, Add	*35.17*	

22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent *(22 13 16 00-0030)*

22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	236.66	82.77
		For Above Ground Cast Iron Pipe Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.72*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	315.71	108.81
		For Above Ground Cast Iron Pipe Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.41*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	424.52	121.77
		For Above Ground Cast Iron Pipe Installation, Add	*9.20*	
		For Work In Restricted Working Space, Add	*55.22*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	855.95	137.99
		For Above Ground Cast Iron Pipe Installation, Add	*10.44*	
		For Work In Restricted Working Space, Add	*62.62*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,816.77	163.09
		For Above Ground Cast Iron Pipe Installation, Add	*12.36*	
		For Work In Restricted Working Space, Add	*74.19*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	3,049.75	181.97
		For Above Ground Cast Iron Pipe Installation, Add	*13.76*	
		For Work In Restricted Working Space, Add	*82.53*	

22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent *(22 13 16 00-0030)*

22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	302.71	114.31
		For Above Ground Cast Iron Pipe Installation, Add	*8.66*	
		For Work In Restricted Working Space, Add	*51.93*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	413.50	144.28
		For Above Ground Cast Iron Pipe Installation, Add	*10.95*	
		For Work In Restricted Working Space, Add	*65.72*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	953.68	170.52
		For Above Ground Cast Iron Pipe Installation, Add	*12.93*	
		For Work In Restricted Working Space, Add	*77.60*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,105.91	206.41
		For Above Ground Cast Iron Pipe Installation, Add	*15.64*	
		For Work In Restricted Working Space, Add	*93.84*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	3,033.31	197.75
		For Above Ground Cast Iron Pipe Installation, Add	*15.00*	
		For Work In Restricted Working Space, Add	*90.00*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	3,328.13	234.81
		For Above Ground Cast Iron Pipe Installation, Add	*17.76*	
		For Work In Restricted Working Space, Add	*106.56*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	4,427.54	270.95
		For Above Ground Cast Iron Pipe Installation, Add	*20.55*	
		For Work In Restricted Working Space, Add	*123.31*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	6,129.69	313.26
		For Above Ground Cast Iron Pipe Installation, Add	*23.73*	
		For Work In Restricted Working Space, Add	*142.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	11,938.76	362.33
		For Above Ground Cast Iron Pipe Installation, Add	*27.46*	
		For Work In Restricted Working Space, Add	*164.76*	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	183.80	
		For Above Ground Cast Iron Pipe Installation, Add	*2.56*	
		For Work In Restricted Working Space, Add	*15.37*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	253.70	
		For Above Ground Cast Iron Pipe Installation, Add	*2.88*	
		For Work In Restricted Working Space, Add	*17.27*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	292.82	
		For Above Ground Cast Iron Pipe Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.13*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	361.69	
		For Above Ground Cast Iron Pipe Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	439.24	
		For Above Ground Cast Iron Pipe Installation, Add	*5.41*	
		For Work In Restricted Working Space, Add	*32.47*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	832.91	
		For Above Ground Cast Iron Pipe Installation, Add	*6.84*	
		For Work In Restricted Working Space, Add	*41.03*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe	14.27	
		For Above Ground Cast Iron Pipe Installation, Add	*0.71*	
		For Work In Restricted Working Space, Add	*4.28*	
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe	15.57	
		For Above Ground Cast Iron Pipe Installation, Add	*0.78*	
		For Work In Restricted Working Space, Add	*4.67*	
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe	19.46	
		For Above Ground Cast Iron Pipe Installation, Add	*0.97*	
		For Work In Restricted Working Space, Add	*5.84*	
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe	23.35	
		For Above Ground Cast Iron Pipe Installation, Add	*1.17*	
		For Work In Restricted Working Space, Add	*7.01*	
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe	31.13	
		For Above Ground Cast Iron Pipe Installation, Add	*1.56*	
		For Work In Restricted Working Space, Add	*9.34*	
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe	36.32	
		For Above Ground Cast Iron Pipe Installation, Add	*1.82*	
		For Work In Restricted Working Space, Add	*10.90*	
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe	42.80	
		For Above Ground Cast Iron Pipe Installation, Add	*2.14*	
		For Work In Restricted Working Space, Add	*12.84*	
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe	49.29	
		For Above Ground Cast Iron Pipe Installation, Add	*2.46*	
		For Work In Restricted Working Space, Add	*14.79*	

22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 Lb./Diameter Inch) Joint Material	6.73
22 13 16 00-0259	LB	Oakum (1/8 Lb./Diameter Inch) Joint Material	12.82
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.32
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.55
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.65
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	9.38
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	20.68
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	31.72
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	40.40
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	47.99

22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service Weight. Excludes hangers.

22 13 16 00-0269 No Hub Cast Iron Pipe *(22 13 16 00-0268)*

Note: Excludes couplings.

22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe	22.62	7.17
		For Below Ground Installation, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.23*	
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe	23.99	7.64
		For Below Ground Installation, Add	*0.58*	
		For Work In Restricted Working Space, Add	*3.46*	
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe	33.95	11.11
		For Below Ground Installation, Add	*0.84*	
		For Work In Restricted Working Space, Add	*5.01*	
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe	44.03	14.45
		For Below Ground Installation, Add	*1.09*	
		For Work In Restricted Working Space, Add	*6.51*	
22 13 16 00-0274	LF	5" No Hub Cast Iron Pipe	56.75	17.11
		For Below Ground Installation, Add	*1.28*	
		For Work In Restricted Working Space, Add	*7.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe	66.41	18.67
		For Below Ground Installation, Add	*1.40*	
		For Work In Restricted Working Space, Add	*8.39*	
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe	101.81	26.88
		For Below Ground Installation, Add	*2.01*	
		For Work In Restricted Working Space, Add	*12.07*	
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe	147.86	30.54
		For Below Ground Installation, Add	*2.29*	
		For Work In Restricted Working Space, Add	*13.73*	

22 13 16 00-0278 No Hub Cast Iron Fittings *(22 13 16 00-0268)*

22 13 16 00-0279 No Hub Cast Iron Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	75.98	32.49
		For Below Ground Installation, Add	*2.44*	
		For Work In Restricted Working Space, Add	*14.63*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	78.72	33.92
		For Below Ground Installation, Add	*2.54*	
		For Work In Restricted Working Space, Add	*15.25*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	93.23	38.81
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	129.18	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	180.59	56.46
		For Below Ground Installation, Add	*4.23*	
		For Work In Restricted Working Space, Add	*25.39*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	214.12	67.32
		For Below Ground Installation, Add	*5.05*	
		For Work In Restricted Working Space, Add	*30.30*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	439.99	87.15
		For Below Ground Installation, Add	*6.54*	
		For Work In Restricted Working Space, Add	*39.21*	

22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	122.04	38.81
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	184.09	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	

22 13 16 00-0290 No Hub Cast Iron Short Sweeps *(22 13 16 00-0278)*

22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	72.93	33.92
		For Below Ground Installation, Add	*2.54*	
		For Work In Restricted Working Space, Add	*15.25*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	88.65	38.81
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	126.78	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	181.49	56.46
		For Below Ground Installation, Add	*4.23*	
		For Work In Restricted Working Space, Add	*25.39*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	200.06	67.32
		For Below Ground Installation, Add	*5.05*	
		For Work In Restricted Working Space, Add	*30.30*	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	397.49	87.15
		For Below Ground Installation, Add	*6.54*	
		For Work In Restricted Working Space, Add	*39.21*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	652.25	122.04
		For Below Ground Installation, Add	*9.15*	
		For Work In Restricted Working Space, Add	*54.90*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	65.90	32.49
		For Below Ground Installation, Add	*2.44*	
		For Work In Restricted Working Space, Add	*14.63*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	68.95	33.92
		For Below Ground Installation, Add	*2.54*	
		For Work In Restricted Working Space, Add	*15.25*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	82.18	38.81
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	112.49	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	163.74	56.46
		For Below Ground Installation, Add	*4.23*	
		For Work In Restricted Working Space, Add	*25.39*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	188.70	67.32
		For Below Ground Installation, Add	*5.05*	
		For Work In Restricted Working Space, Add	*30.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	364.40	87.15
		For Below Ground Installation, Add	*6.54*	
		For Work In Restricted Working Space, Add	*39.21*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	62.21	32.49
		For Below Ground Installation, Add	*2.44*	
		For Work In Restricted Working Space, Add	*14.63*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	64.58	33.92
		For Below Ground Installation, Add	*2.54*	
		For Work In Restricted Working Space, Add	*15.25*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	77.89	38.81
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	102.86	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	172.64	75.85
		For Below Ground Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.13*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	306.05	99.61
		For Below Ground Installation, Add	*7.47*	
		For Work In Restricted Working Space, Add	*44.79*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	479.41	122.55
		For Below Ground Installation, Add	*9.19*	
		For Work In Restricted Working Space, Add	*55.13*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	100.48	51.12
		For Below Ground Installation, Add	*3.83*	
		For Work In Restricted Working Space, Add	*22.97*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	128.08	69.27
		For Below Ground Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.16*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	146.84	75.85
		For Below Ground Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.13*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	203.01	99.61
		For Below Ground Installation, Add	*7.47*	
		For Work In Restricted Working Space, Add	*44.79*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	280.99	109.92
		For Below Ground Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.44*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	333.40	130.49
		For Below Ground Installation, Add	*9.78*	
		For Work In Restricted Working Space, Add	*58.70*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	585.00	174.42
		For Below Ground Installation, Add	*13.07*	
		For Work In Restricted Working Space, Add	*78.43*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	991.08	193.74
		For Below Ground Installation, Add	*14.52*	
		For Work In Restricted Working Space, Add	*87.14*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	125.22	66.17
		For Below Ground Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.74*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	139.85	75.85
		For Below Ground Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.13*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	159.12	83.85
		For Below Ground Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.72*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	184.44	93.17
		For Below Ground Installation, Add	*6.98*	
		For Work In Restricted Working Space, Add	*41.91*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	240.78	111.03
		For Below Ground Installation, Add	*8.33*	
		For Work In Restricted Working Space, Add	*49.96*	
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	257.65	116.06
		For Below Ground Installation, Add	*8.70*	
		For Work In Restricted Working Space, Add	*52.18*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	294.99	135.64
		For Below Ground Installation, Add	*10.17*	
		For Work In Restricted Working Space, Add	*60.99*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	390.86	137.13
		For Below Ground Installation, Add	*10.28*	
		For Work In Restricted Working Space, Add	*61.68*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	454.72	150.74
		For Below Ground Installation, Add	*11.30*	
		For Work In Restricted Working Space, Add	*67.78*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	725.30	160.58
		For Below Ground Installation, Add	*12.04*	
		For Work In Restricted Working Space, Add	*72.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	764.68	171.90
		For Below Ground Installation, Add	*12.89*	
		For Work In Restricted Working Space, Add	*77.32*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	883.96	183.57
		For Below Ground Installation, Add	*13.76*	
		For Work In Restricted Working Space, Add	*82.55*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	113.35	59.48
		For Below Ground Installation, Add	*4.46*	
		For Work In Restricted Working Space, Add	*26.74*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	129.06	69.27
		For Below Ground Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.16*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	154.21	75.85
		For Below Ground Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.13*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	223.85	99.61
		For Below Ground Installation, Add	*7.47*	
		For Work In Restricted Working Space, Add	*44.79*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	417.35	153.24
		For Below Ground Installation, Add	*11.48*	
		For Work In Restricted Working Space, Add	*68.91*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	765.60	196.60
		For Below Ground Installation, Add	*14.74*	
		For Work In Restricted Working Space, Add	*88.43*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	896.96	237.68
		For Below Ground Installation, Add	*17.82*	
		For Work In Restricted Working Space, Add	*106.90*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	130.26	69.27
		For Below Ground Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.16*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	143.53	75.85
		For Below Ground Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.13*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	166.50	83.85
		For Below Ground Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.72*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	191.59	93.17
		For Below Ground Installation, Add	*6.98*	
		For Work In Restricted Working Space, Add	*41.91*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	262.21	111.03
		For Below Ground Installation, Add	*8.33*	
		For Work In Restricted Working Space, Add	*49.96*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	295.11	116.06
		For Below Ground Installation, Add	*8.70*	
		For Work In Restricted Working Space, Add	*52.18*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	327.79	135.64
		For Below Ground Installation, Add	*10.17*	
		For Work In Restricted Working Space, Add	*60.99*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	452.16	137.13
		For Below Ground Installation, Add	*10.28*	
		For Work In Restricted Working Space, Add	*61.68*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	594.84	150.74
		For Below Ground Installation, Add	*11.30*	
		For Work In Restricted Working Space, Add	*67.78*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	162.89	86.11
		For Below Ground Installation, Add	*6.46*	
		For Work In Restricted Working Space, Add	*38.74*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	219.44	104.87
		For Below Ground Installation, Add	*7.86*	
		For Work In Restricted Working Space, Add	*47.15*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	300.01	114.66
		For Below Ground Installation, Add	*8.59*	
		For Work In Restricted Working Space, Add	*51.56*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	467.35	164.49
		For Below Ground Installation, Add	*12.33*	
		For Work In Restricted Working Space, Add	*73.96*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	930.74	221.88
		For Below Ground Installation, Add	*16.64*	
		For Work In Restricted Working Space, Add	*99.82*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	196.44	95.43
		For Below Ground Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.91*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	236.50	109.89
		For Below Ground Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	260.54	119.80
		For Below Ground Installation, Add	*8.98*	
		For Work In Restricted Working Space, Add	*53.88*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	396.50	145.03
		For Below Ground Installation, Add	*10.87*	
		For Work In Restricted Working Space, Add	*65.23*	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	214.30	103.44
		For Below Ground Installation, Add	*7.76*	
		For Work In Restricted Working Space, Add	*46.53*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	263.53	114.66
		For Below Ground Installation, Add	*8.59*	
		For Work In Restricted Working Space, Add	*51.56*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	402.61	151.81
		For Below Ground Installation, Add	*11.38*	
		For Work In Restricted Working Space, Add	*68.25*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	555.73	234.34
		For Below Ground Installation, Add	*17.57*	
		For Work In Restricted Working Space, Add	*105.39*	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	202.12	88.98
		For Below Ground Installation, Add	*6.67*	
		For Work In Restricted Working Space, Add	*40.04*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	234.24	103.44
		For Below Ground Installation, Add	*7.76*	
		For Work In Restricted Working Space, Add	*46.53*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	284.42	112.99
		For Below Ground Installation, Add	*8.47*	
		For Work In Restricted Working Space, Add	*50.83*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	97.83	50.05
		For Below Ground Installation, Add	*3.76*	
		For Work In Restricted Working Space, Add	*22.54*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	129.28	69.27
		For Below Ground Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.16*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	144.14	75.85
		For Below Ground Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.13*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	196.85	99.61
		For Below Ground Installation, Add	*7.47*	
		For Work In Restricted Working Space, Add	*44.79*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	282.27	109.92
		For Below Ground Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.44*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	332.49	130.49
		For Below Ground Installation, Add	*9.78*	
		For Work In Restricted Working Space, Add	*58.70*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	661.04	174.42
		For Below Ground Installation, Add	*13.07*	
		For Work In Restricted Working Space, Add	*78.43*	

22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	110.13	56.50
		For Below Ground Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.41*	
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	127.33	66.17
		For Below Ground Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.74*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	132.07	69.27
		For Below Ground Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.16*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	161.17	69.27
		For Below Ground Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.16*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	176.70	93.76
		For Below Ground Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.16*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	183.77	93.76
		For Below Ground Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.16*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	240.56	104.43
		For Below Ground Installation, Add	*7.83*	
		For Work In Restricted Working Space, Add	*46.97*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	250.42	104.43
		For Below Ground Installation, Add	*7.83*	
		For Work In Restricted Working Space, Add	*46.97*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	251.62	104.43
		For Below Ground Installation, Add	*7.83*	
		For Work In Restricted Working Space, Add	*46.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	260.92	108.80
		For Below Ground Installation, Add	*8.15*	
		For Work In Restricted Working Space, Add	*48.92*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	518.25	147.09
		For Below Ground Installation, Add	*11.02*	
		For Work In Restricted Working Space, Add	*66.14*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	76.32	33.92
		For Below Ground Installation, Add	*2.54*	
		For Work In Restricted Working Space, Add	*15.25*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	88.87	38.81
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	108.35	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	71.88	33.92
		For Below Ground Installation, Add	*2.54*	
		For Work In Restricted Working Space, Add	*15.25*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	92.11	38.81
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	136.55	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	229.80	75.85
		For Below Ground Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.13*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	319.19	99.61
		For Below Ground Installation, Add	*7.47*	
		For Work In Restricted Working Space, Add	*44.79*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	384.68	151.33
		For Below Ground Installation, Add	*11.35*	
		For Work In Restricted Working Space, Add	*68.08*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	59.77	33.92
		For Below Ground Installation, Add	*2.54*	
		For Work In Restricted Working Space, Add	*15.25*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	72.33	38.81
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	103.76	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	163.62	75.85
		For Below Ground Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.13*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	217.83	99.61
		For Below Ground Installation, Add	*7.47*	
		For Work In Restricted Working Space, Add	*44.79*	

22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	131.06	66.89
		For Below Ground Installation, Add	*5.02*	
		For Work In Restricted Working Space, Add	*30.11*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	142.22	69.27
		For Below Ground Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.16*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	174.15	75.85
		For Below Ground Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.13*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	262.81	99.61
		For Below Ground Installation, Add	*7.47*	
		For Work In Restricted Working Space, Add	*44.79*	

22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	187.73	88.98
		For Below Ground Installation, Add	*6.67*	
		For Work In Restricted Working Space, Add	*40.03*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	214.07	91.61
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.21*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	235.95	95.68
		For Below Ground Installation, Add	*7.17*	
		For Work In Restricted Working Space, Add	*43.01*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0421		**No Hub Cast Iron Reducers** *(22 13 16 00-0278)*		
22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	116.72	69.27
		For Below Ground Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.16*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	160.15	93.76
		For Below Ground Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.16*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	160.75	93.76
		For Below Ground Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.16*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	185.36	104.43
		For Below Ground Installation, Add	*7.83*	
		For Work In Restricted Working Space, Add	*46.97*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	189.34	104.43
		For Below Ground Installation, Add	*7.83*	
		For Work In Restricted Working Space, Add	*46.97*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	190.92	104.43
		For Below Ground Installation, Add	*7.83*	
		For Work In Restricted Working Space, Add	*46.97*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	223.66	116.06
		For Below Ground Installation, Add	*8.70*	
		For Work In Restricted Working Space, Add	*52.18*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	224.26	116.06
		For Below Ground Installation, Add	*8.70*	
		For Work In Restricted Working Space, Add	*52.18*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	226.06	116.06
		For Below Ground Installation, Add	*8.70*	
		For Work In Restricted Working Space, Add	*52.18*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	310.26	162.75
		For Below Ground Installation, Add	*12.20*	
		For Work In Restricted Working Space, Add	*73.20*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	314.85	162.75
		For Below Ground Installation, Add	*12.20*	
		For Work In Restricted Working Space, Add	*73.20*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	322.22	162.75
		For Below Ground Installation, Add	*12.20*	
		For Work In Restricted Working Space, Add	*73.20*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	329.89	162.75
		For Below Ground Installation, Add	*12.20*	
		For Work In Restricted Working Space, Add	*73.20*	
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	330.80	162.75
		For Below Ground Installation, Add	*12.20*	
		For Work In Restricted Working Space, Add	*73.20*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	399.64	171.68
		For Below Ground Installation, Add	*12.87*	
		For Work In Restricted Working Space, Add	*77.20*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	428.23	179.22
		For Below Ground Installation, Add	*13.44*	
		For Work In Restricted Working Space, Add	*80.63*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	482.69	194.55
		For Below Ground Installation, Add	*14.58*	
		For Work In Restricted Working Space, Add	*87.50*	
22 13 16 00-0439		**No Hub Cast Iron Blind Plugs** *(22 13 16 00-0278)*		
22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	31.75	16.26
		For Below Ground Installation, Add	*1.22*	
		For Work In Restricted Working Space, Add	*7.31*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	32.49	16.96
		For Below Ground Installation, Add	*1.27*	
		For Work In Restricted Working Space, Add	*7.63*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	41.69	19.47
		For Below Ground Installation, Add	*1.46*	
		For Work In Restricted Working Space, Add	*8.74*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	55.34	25.68
		For Below Ground Installation, Add	*1.92*	
		For Work In Restricted Working Space, Add	*11.55*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	74.34	28.74
		For Below Ground Installation, Add	*2.15*	
		For Work In Restricted Working Space, Add	*12.92*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	82.13	33.65
		For Below Ground Installation, Add	*2.53*	
		For Work In Restricted Working Space, Add	*15.16*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	164.97	43.57
		For Below Ground Installation, Add	*3.27*	
		For Work In Restricted Working Space, Add	*19.59*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	213.62	46.89
		For Below Ground Installation, Add	*3.52*	
		For Work In Restricted Working Space, Add	*21.10*	
22 13 16 00-0448		**No Hub Cast Iron P-Traps** *(22 13 16 00-0278)*		
22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	76.92	33.92
		For Below Ground Installation, Add	*2.54*	
		For Work In Restricted Working Space, Add	*15.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	117.75	38.81
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	180.40	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	321.75	56.92
		For Below Ground Installation, Add	*4.26*	
		For Work In Restricted Working Space, Add	*25.58*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	338.45	67.87
		For Below Ground Installation, Add	*5.09*	
		For Work In Restricted Working Space, Add	*30.53*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	126.84	43.12
		For Below Ground Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.37*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	185.29	57.33
		For Below Ground Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.78*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	272.92	75.72
		For Below Ground Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*34.04*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	118.43	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	127.01	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	238.99	51.36
		For Below Ground Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.12*	

22 13 16 00-0463 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	86.97	43.12
		For Below Ground Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.37*	
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	93.89	43.12
		For Below Ground Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.37*	

22 13 16 00-0466 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.

22 13 16 00-0467	EA	1-1/2" No Hub Coupling	9.22	
		For Medium Duty (Fernco MD-2000), Add	*1.20*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.49*	
22 13 16 00-0468	EA	2" No Hub Coupling	9.22	
		For Medium Duty (Fernco MD-2000), Add	*1.20*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.49*	
22 13 16 00-0469	EA	3" No Hub Coupling	10.95	
		For Medium Duty (Fernco MD-2000), Add	*1.42*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.96*	
22 13 16 00-0470	EA	4" No Hub Coupling	13.00	
		For Medium Duty (Fernco MD-2000), Add	*1.69*	
		For Heavy-Duty (Fernco HD-4000), Add	*3.51*	
22 13 16 00-0471	EA	5" No Hub Coupling	30.06	
		For Medium Duty (Fernco MD-2000), Add	*3.91*	
		For Heavy-Duty (Fernco HD-4000), Add	*8.12*	
22 13 16 00-0472	EA	6" No Hub Coupling	33.03	
		For Medium Duty (Fernco MD-2000), Add	*4.29*	
		For Heavy-Duty (Fernco HD-4000), Add	*8.92*	
22 13 16 00-0473	EA	8" No Hub Coupling	62.23	
		For Medium Duty (Fernco MD-2000), Add	*8.09*	
		For Heavy-Duty (Fernco HD-4000), Add	*16.80*	
22 13 16 00-0474	EA	10" No Hub Coupling	85.73	
		For Medium Duty (Fernco MD-2000), Add	*11.14*	
		For Heavy-Duty (Fernco HD-4000), Add	*23.15*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	10.95	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	16.98	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	23.69	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	20.19	

22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts *(22 13 16 00-0278)*

Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.

22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	49.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	51.14	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	53.70	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.65	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	118.27	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	162.38	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	284.49	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	434.73	

22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place *(22 13 16 00-0268)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub	11.67	
		For Work In Restricted Working Space, Add	*3.50*	
22 13 16 00-0490	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub	14.27	
		For Work In Restricted Working Space, Add	*4.28*	
22 13 16 00-0491	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub	15.57	
		For Work In Restricted Working Space, Add	*4.67*	
22 13 16 00-0492	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub	19.46	
		For Work In Restricted Working Space, Add	*5.84*	
22 13 16 00-0493	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub	23.34	
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0494	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub	31.13	
		For Work In Restricted Working Space, Add	*9.34*	
22 13 16 00-0495	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub	36.32	
		For Work In Restricted Working Space, Add	*10.90*	

22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe *(22 13 16)*

See CSI section 22 11 16 00-0451 for copper and brass fittings.

22 13 16 00-0497	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe	20.20	5.61
22 13 16 00-0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe	24.19	6.27
22 13 16 00-0499	LF	2" Hard Drawn DWV Copper Tube/Pipe	31.21	7.73
22 13 16 00-0500	LF	3" Hard Drawn DWV Copper Tube/Pipe	66.32	10.71
22 13 16 00-0501	LF	4" Hard Drawn DWV Copper Tube/Pipe	93.72	12.09
22 13 16 00-0502	LF	5" Hard Drawn DWV Copper Tube/Pipe	187.91	13.88
22 13 16 00-0503	LF	6" Hard Drawn DWV Copper Tube/Pipe	267.36	21.51

22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.

22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0504)*

22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0505)*

Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.Not for use where detail is available.

22 13 16 00-0507	LF	1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	13.92	
		For Work In Restricted Working Space, Add	*2.80*	
22 13 16 00-0508	LF	2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	16.65	
		For Work In Restricted Working Space, Add	*3.40*	
22 13 16 00-0509	LF	3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	27.43	
		For Work In Restricted Working Space, Add	*4.82*	
22 13 16 00-0510	LF	4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	35.52	
		For Work In Restricted Working Space, Add	*5.30*	
22 13 16 00-0511	LF	6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	64.89	
		For Work In Restricted Working Space, Add	*6.83*	
22 13 16 00-0512	LF	8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	92.84	
		For Work In Restricted Working Space, Add	*9.13*	
22 13 16 00-0513	LF	10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	134.59	
		For Work In Restricted Working Space, Add	*12.17*	

22 13 16 00-0514 Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0505)*

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0515	LF	1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.55	5.01
		For Work In Restricted Working Space, Add	*5.75*	
22 13 16 00-0516	LF	2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.92	5.97
		For Work In Restricted Working Space, Add	*6.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0517	LF	3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	43.72	8.60
		For Work In Restricted Working Space, Add	*7.94*	
22 13 16 00-0518	LF	4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	55.67	9.32
		For Work In Restricted Working Space, Add	*8.68*	
22 13 16 00-0519	LF	6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	88.36	11.95
		For Work In Restricted Working Space, Add	*11.11*	
22 13 16 00-0520	LF	8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	116.85	15.88
		For Work In Restricted Working Space, Add	*12.74*	
22 13 16 00-0521	LF	10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	164.35	21.26
		For Work In Restricted Working Space, Add	*16.60*	

22 13 16 00-0522 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*

Note: Excludes fittings or hangers.

22 13 16 00-0523 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) *(22 13 16 00-0522)*

Note: Excludes fittings or hangers.

22 13 16 00-0524	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	10.49	5.01
		For Work In Restricted Working Space, Add	*2.24*	
22 13 16 00-0525	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	12.91	5.97
		For Work In Restricted Working Space, Add	*2.69*	
22 13 16 00-0526	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	20.77	8.60
		For Work In Restricted Working Space, Add	*3.85*	
22 13 16 00-0527	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	25.12	9.32
		For Work In Restricted Working Space, Add	*4.18*	
22 13 16 00-0528	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	36.73	11.18
		For Work In Restricted Working Space, Add	*5.03*	
22 13 16 00-0529	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	52.68	14.87
		For Work In Restricted Working Space, Add	*6.71*	
22 13 16 00-0530	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	76.23	19.90
		For Work In Restricted Working Space, Add	*8.94*	

22 13 16 00-0531 Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) *(22 13 16 00-0522)*

Note: Excludes fittings or hangers.

22 13 16 00-0532	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	9.59	5.01
		For Work In Restricted Working Space, Add	*2.24*	
22 13 16 00-0533	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	11.84	5.97
		For Work In Restricted Working Space, Add	*2.69*	
22 13 16 00-0534	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	18.75	8.60
		For Work In Restricted Working Space, Add	*3.85*	
22 13 16 00-0535	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	22.44	9.32
		For Work In Restricted Working Space, Add	*4.18*	
22 13 16 00-0536	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	31.74	11.18
		For Work In Restricted Working Space, Add	*5.03*	
22 13 16 00-0537	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	45.66	14.87
		For Work In Restricted Working Space, Add	*6.71*	
22 13 16 00-0538	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	68.60	19.90
		For Work In Restricted Working Space, Add	*8.94*	

22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) *(22 13 16 00-0504)*

22 13 16 00-0540 Polyvinyl Chloride (PVC) DWV 1/4 Bends *(22 13 16 00-0539)*

22 13 16 00-0541	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	38.54	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0542	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	49.23	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 13 16 00-0543	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	85.55	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0544	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	132.27	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0545	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	519.11	51.72
		For Work In Restricted Working Space, Add	*23.29*	
22 13 16 00-0546	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	860.71	69.64
		For Work In Restricted Working Space, Add	*31.35*	
22 13 16 00-0547	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	1,136.33	92.81
		For Work In Restricted Working Space, Add	*41.80*	

22 13 16 00-0548 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends *(22 13 16 00-0539)*

22 13 16 00-0549	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	62.89	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0550	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	63.24	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 13 16 00-0551	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	121.57	34.16
		For Work In Restricted Working Space, Add	*15.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0552	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	198.32	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0553	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	391.53	51.72
		For Work In Restricted Working Space, Add	*23.29*	
22 13 16 00-0554	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	693.05	69.64
		For Work In Restricted Working Space, Add	*31.35*	
22 13 16 00-0555	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	1,133.32	92.81
		For Work In Restricted Working Space, Add	*41.80*	

22 13 16 00-0556 Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0557	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	40.54	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0558	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	49.06	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 13 16 00-0559	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	82.55	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0560	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	117.59	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0561	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	481.75	51.72
		For Work In Restricted Working Space, Add	*23.29*	
22 13 16 00-0562	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	773.88	69.64
		For Work In Restricted Working Space, Add	*31.35*	
22 13 16 00-0563	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	880.90	92.81
		For Work In Restricted Working Space, Add	*41.80*	

22 13 16 00-0564 Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0565	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	60.30	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0566	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	79.51	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 13 16 00-0567	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	136.08	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 13 16 00-0568	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	202.17	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0569	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	771.26	77.52
		For Work In Restricted Working Space, Add	*34.94*	
22 13 16 00-0570	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	1,003.27	104.39
		For Work In Restricted Working Space, Add	*47.03*	

22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0572	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	76.99	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 13 16 00-0573	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	91.85	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 13 16 00-0574	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	75.33	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 13 16 00-0575	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	111.49	44.19
		For Work In Restricted Working Space, Add	*19.89*	
22 13 16 00-0576	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	113.50	46.94
		For Work In Restricted Working Space, Add	*21.14*	
22 13 16 00-0577	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	135.36	49.68
		For Work In Restricted Working Space, Add	*22.40*	
22 13 16 00-0578	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	231.44	52.55
		For Work In Restricted Working Space, Add	*23.65*	
22 13 16 00-0579	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	292.87	56.85
		For Work In Restricted Working Space, Add	*25.62*	
22 13 16 00-0580	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	740.75	71.55
		For Work In Restricted Working Space, Add	*32.25*	
22 13 16 00-0581	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,338.70	89.46
		For Work In Restricted Working Space, Add	*40.31*	
22 13 16 00-0582	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,418.73	95.43
		For Work In Restricted Working Space, Add	*43.00*	

22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0584	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	106.42	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0585	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	144.82	50.88
		For Work In Restricted Working Space, Add	*22.93*	
22 13 16 00-0586	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	294.52	68.44
		For Work In Restricted Working Space, Add	*30.82*	
22 13 16 00-0587	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	427.81	79.55
		For Work In Restricted Working Space, Add	*35.83*	

22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0589	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	129.89	45.39
		For Work In Restricted Working Space, Add	*20.42*	
22 13 16 00-0590	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	226.40	54.10
		For Work In Restricted Working Space, Add	*24.37*	
22 13 16 00-0591	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	261.61	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0592	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	476.76	65.22
		For Work In Restricted Working Space, Add	*29.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0593	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	500.30	73.93
		For Work In Restricted Working Space, Add	*33.32*	

22 13 16 00-0594 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0539)*

22 13 16 00-0595	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	51.39	22.70
		For Work In Restricted Working Space, Add	*10.21*	
22 13 16 00-0596	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	95.98	27.00
		For Work In Restricted Working Space, Add	*12.18*	
22 13 16 00-0597	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	91.15	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0598	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	140.70	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 13 16 00-0599	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	151.44	37.02
		For Work In Restricted Working Space, Add	*16.66*	
22 13 16 00-0600	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	548.99	43.00
		For Work In Restricted Working Space, Add	*19.35*	
22 13 16 00-0601	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	457.78	45.75
		For Work In Restricted Working Space, Add	*20.60*	
22 13 16 00-0602	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	1,149.78	54.71
		For Work In Restricted Working Space, Add	*24.64*	
22 13 16 00-0603	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	969.52	60.68
		For Work In Restricted Working Space, Add	*27.32*	
22 13 16 00-0604	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,304.13	72.26
		For Work In Restricted Working Space, Add	*32.55*	
22 13 16 00-0605	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	1,018.90	81.22
		For Work In Restricted Working Space, Add	*36.58*	

22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0539)*

22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	75.15	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	98.69	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	283.02	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	580.09	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	983.70	77.52
		For Work In Restricted Working Space, Add	*34.94*	

22 13 16 00-0612 Polyvinyl Chloride (PVC) DWV Closet Flanges *(22 13 16 00-0539)*

22 13 16 00-0613	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	117.93	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0614	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	96.23	37.02
		For Work In Restricted Working Space, Add	*16.66*	

22 13 16 00-0615 Polyvinyl Chloride (PVC) DWV Wyes *(22 13 16 00-0539)*

22 13 16 00-0616	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	75.81	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0617	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	88.52	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 13 16 00-0618	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	147.59	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 13 16 00-0619	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	221.01	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0620	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	700.55	77.52
		For Work In Restricted Working Space, Add	*34.94*	
22 13 16 00-0621	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	868.94	104.39
		For Work In Restricted Working Space, Add	*47.03*	
22 13 16 00-0622	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	1,143.53	139.15
		For Work In Restricted Working Space, Add	*62.70*	

22 13 16 00-0623 Polyvinyl Chloride (PVC) DWV Reducing Wyes *(22 13 16 00-0539)*

22 13 16 00-0624	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	104.34	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 13 16 00-0625	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	108.02	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 13 16 00-0626	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	152.49	44.19
		For Work In Restricted Working Space, Add	*19.89*	
22 13 16 00-0627	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	125.01	46.94
		For Work In Restricted Working Space, Add	*21.14*	
22 13 16 00-0628	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	211.51	49.68
		For Work In Restricted Working Space, Add	*22.40*	
22 13 16 00-0629	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	184.41	52.55
		For Work In Restricted Working Space, Add	*23.65*	
22 13 16 00-0630	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	208.65	56.85
		For Work In Restricted Working Space, Add	*25.62*	
22 13 16 00-0631	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	633.18	68.80
		For Work In Restricted Working Space, Add	*31.00*	
22 13 16 00-0632	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	785.18	71.55
		For Work In Restricted Working Space, Add	*32.25*	
22 13 16 00-0633	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	744.76	89.46
		For Work In Restricted Working Space, Add	*40.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0634	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	942.00	95.43
		For Work In Restricted Working Space, Add	*43.00*	
22 13 16 00-0635	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	856.91	112.64
		For Work In Restricted Working Space, Add	*50.76*	
22 13 16 00-0636	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,070.39	118.61
		For Work In Restricted Working Space, Add	*53.45*	
22 13 16 00-0637	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,247.16	127.56
		For Work In Restricted Working Space, Add	*57.48*	

22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes *(22 13 16 00-0539)*

22 13 16 00-0639	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	125.76	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0640	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	161.33	50.88
		For Work In Restricted Working Space, Add	*22.93*	
22 13 16 00-0641	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	322.04	68.44
		For Work In Restricted Working Space, Add	*30.82*	
22 13 16 00-0642	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	564.07	79.55
		For Work In Restricted Working Space, Add	*35.83*	
22 13 16 00-0643	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,162.25	103.44
		For Work In Restricted Working Space, Add	*46.58*	
22 13 16 00-0644	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,345.50	139.27
		For Work In Restricted Working Space, Add	*62.71*	
22 13 16 00-0645	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	2,089.63	185.61
		For Work In Restricted Working Space, Add	*83.60*	

22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0539)*

22 13 16 00-0647	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	145.63	45.39
		For Work In Restricted Working Space, Add	*20.42*	
22 13 16 00-0648	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	273.66	54.10
		For Work In Restricted Working Space, Add	*24.37*	
22 13 16 00-0649	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	252.87	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0650	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	364.48	65.22
		For Work In Restricted Working Space, Add	*29.38*	
22 13 16 00-0651	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	463.15	73.93
		For Work In Restricted Working Space, Add	*33.32*	
22 13 16 00-0652	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	715.62	91.49
		For Work In Restricted Working Space, Add	*41.21*	
22 13 16 00-0653	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	837.57	109.40
		For Work In Restricted Working Space, Add	*49.27*	
22 13 16 00-0654	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,067.40	121.35
		For Work In Restricted Working Space, Add	*54.65*	
22 13 16 00-0655	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	1,127.41	132.58
		For Work In Restricted Working Space, Add	*59.72*	
22 13 16 00-0656	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,465.93	144.52
		For Work In Restricted Working Space, Add	*65.09*	
22 13 16 00-0657	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,773.70	162.44
		For Work In Restricted Working Space, Add	*73.16*	

22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0659	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	95.16	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0660	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	118.70	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 13 16 00-0661	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	238.31	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 13 16 00-0662	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	424.48	59.72
		For Work In Restricted Working Space, Add	*26.88*	

22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0664	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	180.24	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 13 16 00-0665	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	287.08	44.19
		For Work In Restricted Working Space, Add	*19.89*	
22 13 16 00-0666	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	208.46	46.94
		For Work In Restricted Working Space, Add	*21.14*	
22 13 16 00-0667	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	385.83	52.55
		For Work In Restricted Working Space, Add	*23.65*	
22 13 16 00-0668	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	417.91	56.85
		For Work In Restricted Working Space, Add	*25.62*	

22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0670	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	140.78	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0671	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	163.00	50.88
		For Work In Restricted Working Space, Add	*22.93*	
22 13 16 00-0672	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	253.15	68.44
		For Work In Restricted Working Space, Add	*30.82*	
22 13 16 00-0673	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	911.98	79.55
		For Work In Restricted Working Space, Add	*35.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0674	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	3,032.59	103.44
		For Work In Restricted Working Space, Add	*46.58*	

22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0676	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	333.29	45.39
		For Work In Restricted Working Space, Add	*20.42*	
22 13 16 00-0677	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	538.92	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0678	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	935.36	65.22
		For Work In Restricted Working Space, Add	*29.38*	
22 13 16 00-0679	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	843.96	73.93
		For Work In Restricted Working Space, Add	*33.32*	
22 13 16 00-0680	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	2,017.11	91.49
		For Work In Restricted Working Space, Add	*41.21*	

22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0539)*

22 13 16 00-0682	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	204.97	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 13 16 00-0683	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	359.08	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	580.17	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,541.96	77.52
		For Work In Restricted Working Space, Add	*34.94*	
22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,931.60	104.39
		For Work In Restricted Working Space, Add	*47.03*	
22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,563.18	139.15
		For Work In Restricted Working Space, Add	*62.70*	

22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug *(22 13 16 00-0539)*

22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	55.39	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	79.41	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	114.74	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	208.65	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	486.42	51.72
		For Work In Restricted Working Space, Add	*23.29*	
22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	1,101.29	69.64
		For Work In Restricted Working Space, Add	*31.35*	
22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	2,035.47	92.81
		For Work In Restricted Working Space, Add	*41.78*	

22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings *(22 13 16 00-0539)*

22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	37.43	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings	46.73	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings	73.10	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings	95.45	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings	274.80	51.72
		For Work In Restricted Working Space, Add	*23.29*	
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings	674.07	69.64
		For Work In Restricted Working Space, Add	*31.35*	
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings	1,021.95	92.81
		For Work In Restricted Working Space, Add	*41.81*	

22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0539)*

22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	22.59	9.91
		For Work In Restricted Working Space, Add	*4.48*	
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters	37.94	12.78
		For Work In Restricted Working Space, Add	*5.73*	
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters	77.89	17.08
		For Work In Restricted Working Space, Add	*7.70*	
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters	149.53	19.95
		For Work In Restricted Working Space, Add	*8.96*	

22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*

Note: In place piping.

22 13 16 00-0710	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.75
22 13 16 00-0711	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.63
22 13 16 00-0712	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	12.25
22 13 16 00-0713	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	16.54
22 13 16 00-0714	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	23.63
22 13 16 00-0715	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	31.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0716	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	38.54	

22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies *(22 13 16 00-0717)*

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0719	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	29.23	5.01
		For Work In Restricted Working Space, Add	*6.87*	
22 13 16 00-0720	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	32.48	5.97
		For Work In Restricted Working Space, Add	*7.61*	
22 13 16 00-0721	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.40	8.60
		For Work In Restricted Working Space, Add	*9.45*	
22 13 16 00-0722	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	51.16	9.32
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0723	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	85.50	11.95
		For Work In Restricted Working Space, Add	*13.96*	

22 13 16 00-0724 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) *(22 13 16 00-0717)*

Note: Excludes fittings or hangers.

22 13 16 00-0725	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	10.15	5.01
		For Work In Restricted Working Space, Add	*2.24*	
22 13 16 00-0726	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	12.55	5.97
		For Work In Restricted Working Space, Add	*2.69*	
22 13 16 00-0727	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	20.28	8.60
		For Work In Restricted Working Space, Add	*3.85*	
22 13 16 00-0728	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	24.56	9.32
		For Work In Restricted Working Space, Add	*4.18*	
22 13 16 00-0729	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	38.42	11.18
		For Work In Restricted Working Space, Add	*5.03*	

22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) *(22 13 16 00-0717)*

22 13 16 00-0731 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends *(22 13 16 00-0730)*

22 13 16 00-0732	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	41.26	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0733	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	54.47	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 13 16 00-0734	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	101.50	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0735	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	157.96	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0736	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	444.29	51.72
		For Work In Restricted Working Space, Add	*23.29*	

22 13 16 00-0737 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends *(22 13 16 00-0730)*

22 13 16 00-0738	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	57.01	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0739	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	69.86	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 13 16 00-0740	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	139.72	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0741	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	234.00	39.77
		For Work In Restricted Working Space, Add	*17.92*	

22 13 16 00-0742 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends *(22 13 16 00-0730)*

22 13 16 00-0743	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	43.39	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0744	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	52.97	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 13 16 00-0745	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	93.66	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0746	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	143.49	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0747	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	459.56	51.72
		For Work In Restricted Working Space, Add	*23.29*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0749	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	64.19	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0750	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	86.48	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 13 16 00-0751	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	151.33	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 13 16 00-0752	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	232.33	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0753	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	890.18	77.52
		For Work In Restricted Working Space, Add	*34.94*	

22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0755	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	79.90	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 13 16 00-0756	EA	2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	96.59	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 13 16 00-0757	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	81.10	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 13 16 00-0758	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	123.03	44.19
		For Work In Restricted Working Space, Add	*19.89*	
22 13 16 00-0759	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	127.74	46.94
		For Work In Restricted Working Space, Add	*21.14*	
22 13 16 00-0760	EA	4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	280.39	49.68
		For Work In Restricted Working Space, Add	*22.40*	
22 13 16 00-0761	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	270.89	52.55
		For Work In Restricted Working Space, Add	*23.65*	
22 13 16 00-0762	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	310.60	56.85
		For Work In Restricted Working Space, Add	*25.62*	
22 13 16 00-0763	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	972.57	71.55
		For Work In Restricted Working Space, Add	*32.25*	

22 13 16 00-0764 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0765	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	118.64	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0766	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	162.41	50.88
		For Work In Restricted Working Space, Add	*22.93*	
22 13 16 00-0767	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	344.22	68.44
		For Work In Restricted Working Space, Add	*30.82*	
22 13 16 00-0768	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	506.49	79.55
		For Work In Restricted Working Space, Add	*35.83*	

22 13 16 00-0769 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0770	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	134.91	45.39
		For Work In Restricted Working Space, Add	*20.42*	
22 13 16 00-0771	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	204.30	54.10
		For Work In Restricted Working Space, Add	*24.37*	
22 13 16 00-0772	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	235.22	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0773	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	412.43	61.05
		For Work In Restricted Working Space, Add	*27.51*	
22 13 16 00-0774	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	433.59	69.22
		For Work In Restricted Working Space, Add	*31.20*	

22 13 16 00-0775 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes *(22 13 16 00-0730)*

22 13 16 00-0776	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	83.84	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0777	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	97.43	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 13 16 00-0778	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	165.78	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 13 16 00-0779	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	254.92	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0780	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	723.12	77.52
		For Work In Restricted Working Space, Add	*34.94*	

22 13 16 00-0781 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes *(22 13 16 00-0730)*

22 13 16 00-0782	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	118.65	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 13 16 00-0783	EA	2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	122.12	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 13 16 00-0784	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	139.44	46.94
		For Work In Restricted Working Space, Add	*21.14*	
22 13 16 00-0785	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	211.68	52.55
		For Work In Restricted Working Space, Add	*23.65*	
22 13 16 00-0786	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	240.60	56.85
		For Work In Restricted Working Space, Add	*25.62*	
22 13 16 00-0787	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	608.72	71.55
		For Work In Restricted Working Space, Add	*32.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0788 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes *(22 13 16 00-0730)*

22 13 16 00-0789	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	142.78	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0790	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	183.27	50.88
		For Work In Restricted Working Space, Add	*22.93*	
22 13 16 00-0791	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	378.91	68.44
		For Work In Restricted Working Space, Add	*30.82*	
22 13 16 00-0792	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	678.93	79.55
		For Work In Restricted Working Space, Add	*35.83*	

22 13 16 00-0793 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes *(22 13 16 00-0730)*

22 13 16 00-0794	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	165.65	45.39
		For Work In Restricted Working Space, Add	*20.42*	
22 13 16 00-0795	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	276.04	54.10
		For Work In Restricted Working Space, Add	*24.37*	
22 13 16 00-0796	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	294.64	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0797	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	433.39	65.22
		For Work In Restricted Working Space, Add	*29.38*	
22 13 16 00-0798	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	554.17	73.93
		For Work In Restricted Working Space, Add	*33.32*	

22 13 16 00-0799 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

22 13 16 00-0800	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	107.17	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0801	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	138.40	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 13 16 00-0802	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	210.61	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 13 16 00-0803	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	346.08	55.91
		For Work In Restricted Working Space, Add	*25.16*	

22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

22 13 16 00-0805	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	118.80	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 13 16 00-0806	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	221.75	44.19
		For Work In Restricted Working Space, Add	*19.89*	
22 13 16 00-0807	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	167.62	46.94
		For Work In Restricted Working Space, Add	*21.14*	
22 13 16 00-0808	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	295.23	52.55
		For Work In Restricted Working Space, Add	*23.65*	
22 13 16 00-0809	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	319.72	56.85
		For Work In Restricted Working Space, Add	*25.62*	

22 13 16 00-0810 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

22 13 16 00-0811	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	223.20	50.88
		For Work In Restricted Working Space, Add	*22.93*	
22 13 16 00-0812	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	441.22	68.44
		For Work In Restricted Working Space, Add	*30.82*	

22 13 16 00-0813 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

22 13 16 00-0814	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	186.19	45.39
		For Work In Restricted Working Space, Add	*20.42*	
22 13 16 00-0815	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	422.32	59.72
		For Work In Restricted Working Space, Add	*26.88*	

22 13 16 00-0816 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug *(22 13 16 00-0730)*

22 13 16 00-0817	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	118.16	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0818	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	149.39	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 13 16 00-0819	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	235.17	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 13 16 00-0820	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	385.18	59.72
		For Work In Restricted Working Space, Add	*26.88*	

22 13 16 00-0821 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug *(22 13 16 00-0730)*

22 13 16 00-0822	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	55.02	19.95
		For Work In Restricted Working Space, Add	*8.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0823	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	78.81	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 13 16 00-0824	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	113.74	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0825	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	206.58	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0826	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	480.82	51.72
		For Work In Restricted Working Space, Add	*23.29*	

22 13 16 00-0827 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0730)*

22 13 16 00-0828	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	38.54	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0829	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	47.36	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 13 16 00-0830	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	76.23	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0831	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	100.72	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0832	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	280.27	51.72
		For Work In Restricted Working Space, Add	*23.29*	

22 13 16 00-0833 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0730)*

22 13 16 00-0834	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	56.02	22.70
		For Work In Restricted Working Space, Add	*10.21*	
22 13 16 00-0835	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	110.29	27.00
		For Work In Restricted Working Space, Add	*12.18*	
22 13 16 00-0836	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	103.22	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0837	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	164.21	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 13 16 00-0838	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	176.11	37.02
		For Work In Restricted Working Space, Add	*16.66*	

22 13 16 00-0839 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0730)*

22 13 16 00-0840	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	87.40	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0841	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	126.30	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 13 16 00-0842	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	392.93	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 13 16 00-0843	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	736.76	59.72
		For Work In Restricted Working Space, Add	*26.88*	

22 13 16 00-0844 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0730)*

22 13 16 00-0845	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	119.21	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0846	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	111.34	37.02
		For Work In Restricted Working Space, Add	*16.66*	

22 13 16 00-0847 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0730)*

22 13 16 00-0848	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	25.99	9.91
		For Work In Restricted Working Space, Add	*4.48*	
22 13 16 00-0849	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	38.72	12.78
		For Work In Restricted Working Space, Add	*5.73*	
22 13 16 00-0850	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	82.80	17.08
		For Work In Restricted Working Space, Add	*7.70*	
22 13 16 00-0851	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	156.24	19.95
		For Work In Restricted Working Space, Add	*8.96*	

22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings *(22 13 16 00-0730)*

22 13 16 00-0853	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	43.18	22.70
		For Work In Restricted Working Space, Add	*10.21*	
22 13 16 00-0854	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	89.92	27.00
		For Work In Restricted Working Space, Add	*12.18*	
22 13 16 00-0855	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	76.12	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0856	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	162.63	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 13 16 00-0857	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	121.40	37.02
		For Work In Restricted Working Space, Add	*16.66*	
22 13 16 00-0858	EA	6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	322.56	42.82
		For Work In Restricted Working Space, Add	*19.29*	

22 13 16 00-0859 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings *(22 13 16 00-0730)*

22 13 16 00-0860	EA	1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	154.96	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0861	EA	2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	171.65	25.44
		For Work In Restricted Working Space, Add	*11.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0862	EA	3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	193.13	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0863	EA	4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	209.83	39.77
		For Work In Restricted Working Space, Add	*17.92*	

22 13 16 00-0864 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe

(22 13 16 00-0717)

Note: In place piping.

22 13 16 00-0865	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.75	
22 13 16 00-0866	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.63	
22 13 16 00-0867	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	12.25	
22 13 16 00-0868	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	16.54	
22 13 16 00-0869	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	23.63	

22 13 16 00-0870 Elastomeric Flexible Pipe Couplings *(22 13 16)*

22 13 16 00-0871 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings

(22 13 16 00-0870)

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0872	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	15.40	5.19
		For Work In Restricted Working Space, Add	*3.11*	
22 13 16 00-0873	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	16.60	5.51
		For Work In Restricted Working Space, Add	*3.31*	
22 13 16 00-0874	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	17.45	5.84
		For Work In Restricted Working Space, Add	*3.50*	
22 13 16 00-0875	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	20.14	6.16
		For Work In Restricted Working Space, Add	*3.70*	
22 13 16 00-0876	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	22.75	6.49
		For Work In Restricted Working Space, Add	*3.89*	
22 13 16 00-0877	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	28.95	6.81
		For Work In Restricted Working Space, Add	*4.09*	
22 13 16 00-0878	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	35.19	7.13
		For Work In Restricted Working Space, Add	*4.28*	
22 13 16 00-0879	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	47.74	7.79
		For Work In Restricted Working Space, Add	*4.67*	
22 13 16 00-0880	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	62.89	9.08
		For Work In Restricted Working Space, Add	*5.45*	

22 13 16 00-0881 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings *(22 13 16 00-0870)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0882	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	16.40	5.51
		For Work In Restricted Working Space, Add	*3.31*	
22 13 16 00-0883	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	17.78	5.84
		For Work In Restricted Working Space, Add	*3.50*	
22 13 16 00-0884	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	21.76	6.16
		For Work In Restricted Working Space, Add	*3.70*	
22 13 16 00-0885	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	19.55	6.16
		For Work In Restricted Working Space, Add	*3.70*	
22 13 16 00-0886	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	26.72	6.49
		For Work In Restricted Working Space, Add	*3.89*	
22 13 16 00-0887	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	25.59	6.49
		For Work In Restricted Working Space, Add	*3.89*	
22 13 16 00-0888	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	23.50	6.49
		For Work In Restricted Working Space, Add	*3.89*	
22 13 16 00-0889	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	33.86	6.81
		For Work In Restricted Working Space, Add	*4.09*	
22 13 16 00-0890	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	30.66	6.81
		For Work In Restricted Working Space, Add	*4.09*	
22 13 16 00-0891	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	41.79	7.13
		For Work In Restricted Working Space, Add	*4.28*	
22 13 16 00-0892	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	37.01	7.13
		For Work In Restricted Working Space, Add	*4.28*	
22 13 16 00-0893	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	38.34	7.13
		For Work In Restricted Working Space, Add	*4.28*	
22 13 16 00-0894	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	75.19	12.97
		For Work In Restricted Working Space, Add	*7.79*	
22 13 16 00-0895	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	61.92	12.97
		For Work In Restricted Working Space, Add	*7.79*	
22 13 16 00-0896	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	78.18	14.59
		For Work In Restricted Working Space, Add	*8.76*	

22 13 16 00-0897 Elastomeric Flexible Expansion Joint Couplings (Fernco XJ) *(22 13 16)*

Note: Includes stainless steel clamps.

22 13 16 00-0898	EA	1-1/2" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-150)	30.07	5.51
22 13 16 00-0899	EA	2" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-2)	33.33	5.84
22 13 16 00-0900	EA	3" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-3)	35.76	6.16
22 13 16 00-0901	EA	4" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-4)	42.44	6.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0902		Elastomeric Flexible Pipe Caps (Fernco QC) *(22 13 16)*		
		Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0903	EA	1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101)	57.22	35.02
22 13 16 00-0904	EA	2" Elastomeric Flexible Pipe Cap (Fernco QC-102)	61.38	37.23
22 13 16 00-0905	EA	3" Elastomeric Flexible Pipe Cap (Fernco QC-103)	71.08	42.68
22 13 16 00-0906	EA	4" Elastomeric Flexible Pipe Cap (Fernco QC-104)	93.78	56.42
22 13 16 00-0907	EA	5" Elastomeric Flexible Pipe Cap (Fernco QC-105)	112.41	67.45
22 13 16 00-0908	EA	6" Elastomeric Flexible Pipe Cap (Fernco QC-106)	129.60	77.84
22 13 16 00-0909	EA	8" Elastomeric Flexible Pipe Cap (Fernco QC-108)	173.85	98.58
22 13 16 00-0910	EA	10" Elastomeric Flexible Pipe Cap (Fernco QC-110)	213.73	110.26
22 13 16 00-0911	EA	12" Elastomeric Flexible Pipe Cap (Fernco QC-112)	270.48	122.59
22 13 16 00-0912		Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) *(22 13 16)*		
22 13 16 00-0913	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	105.95	26.88
22 13 16 00-0914	EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	111.92	29.87
22 13 16 00-0915	EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	167.12	38.81
22 13 16 00-0916	EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	195.85	44.79
22 13 16 00-0917	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	228.28	50.76
22 13 16 00-0918	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	381.90	56.73
22 13 16 00-0919		Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) *(22 13 16)*		
22 13 16 00-0920	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	216.66	26.88
22 13 16 00-0921	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	222.63	29.87
22 13 16 00-0922	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	264.91	38.81
22 13 16 00-0923	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	331.15	44.79
22 13 16 00-0924	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	451.70	50.76
22 13 16 00-0925	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	463.65	56.73
22 13 16 00-0926		Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) *(22 13 16)*		
		Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0927	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	411.39	26.88
22 13 16 00-0928	EA	2" Cast Iron Vandal Proof Hooded Vent Cap	417.36	29.87
22 13 16 00-0929	EA	3" Cast Iron Vandal Proof Hooded Vent Cap	479.99	38.81
22 13 16 00-0930	EA	4" Cast Iron Vandal Proof Hooded Vent Cap	540.36	44.79
22 13 16 00-0931	EA	5" Cast Iron Vandal Proof Hooded Vent Cap	630.54	50.76
22 13 16 00-0932	EA	6" Cast Iron Vandal Proof Hooded Vent Cap	689.06	56.73
22 13 19		**Sanitary Waste Piping Specialties** *(22 13)*		
22 13 19 13		**Sanitary Drains** *(22 13 19)*		
22 13 19 13-0001		Round Top Floor Drains *(22 13 19 13)*		
22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	857.54	128.40
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	942.31	143.93
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	919.30	159.21
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	952.09	175.70
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	860.91	143.93
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	891.61	159.21
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	924.40	175.70
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,431.24	143.93
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,461.94	159.21
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,494.73	175.70
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,348.18	143.93
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,378.71	159.21
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,411.67	175.70
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,480.94	143.81
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,511.61	159.21
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,544.57	175.70
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,333.67	143.81
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,364.34	159.21
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,397.30	175.70
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,220.15	143.81
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,250.82	159.21
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,283.78	175.70
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,018.58	143.81
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,049.59	159.33
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,082.21	175.70
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,101.64	143.81
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,132.65	159.33
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,165.27	175.70
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,467.09	143.81
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,498.10	159.33
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,530.72	175.70
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	957.67	143.81
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	988.68	159.33
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	1,021.30	175.70
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	1,062.88	143.81
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	1,093.89	159.33
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	1,126.51	175.70
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	1,359.12	143.81
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,390.13	159.33
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,422.75	175.70
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	3,527.49	159.33
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	3,560.11	175.70
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	4,430.05	159.33
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	4,462.67	175.70
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	4,322.08	159.33
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	4,354.70	175.70
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,489.24	143.81
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,520.25	159.33
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,552.87	175.70
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,918.38	143.81
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,949.39	159.33
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,982.01	175.70
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,018.05	143.81
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,049.06	159.33
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,081.68	175.70
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,790.48	143.81
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,821.49	159.33
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,854.11	175.70
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,400.65	143.81
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,431.66	159.33
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,464.28	175.70
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,766.10	143.81
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,797.11	159.33
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,829.73	175.70
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,865.77	143.81
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,896.78	159.33
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,929.40	175.70
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,494.24	143.81
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,525.25	159.33
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,557.87	175.70
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0073		**Funnel Type Floor Drains** *(22 13 19 13)*		
22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,405.83	128.40
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,436.64	143.81
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,467.31	159.21
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,500.27	175.70
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	2,059.57	143.81
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	2,090.24	159.21
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	2,123.20	175.70
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,951.60	143.81
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,982.27	159.21
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	2,015.23	175.70
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0084		**Floor Drain With Sediment Bucket Bottom Outlet** *(22 13 19 13)*		
22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,989.36	128.40
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	3,020.28	143.81
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	3,050.95	159.21
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	3,083.91	175.70
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	3,117.91	192.66
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,230.69	143.81
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,261.70	159.33
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,294.32	175.70
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,328.32	192.66
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,982.05	143.81
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,013.06	159.33
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,045.68	175.70
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,079.68	192.66
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,014.74	143.81
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,045.75	159.33
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,078.37	175.70
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,112.37	192.66
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	54.51	12.97
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	60.64	12.97
22 13 19 13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	125.61	25.95
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	160.82	25.95

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,416.79	128.40
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,447.71	143.81
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,478.38	159.21
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	1-1/2" Drain, 3" Sink Opening Lever Drain	288.48	86.60
22 13 19 13-0114	EA	2" Drain, 3" Sink Opening Lever Drain	306.39	95.55
22 13 19 13-0115	EA	1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	288.48	86.60
22 13 19 13-0116	EA	2" Drain, 3-1/2" Sink Opening Lever Drain	306.39	95.55
22 13 19 13-0117	EA	1-1/2" Drain, 3" Sink Opening Twist Drain	288.48	86.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0118	EA	2" Drain, 3" Sink Opening Twist Drain	306.39	95.55
22 13 19 13-0119	EA	1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	288.48	86.60
22 13 19 13-0120	EA	2" Drain, 3-1/2" Sink Opening Twist Drain	306.39	95.55
22 13 19 13-0121	EA	1-1/2" To 2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100)	395.34	95.55

22 13 19 13-0122 Floor Receptor *(22 13 19 13)*

22 13 19 13-0123 9" Diameter Round Shallow Receptor *(22 13 19 13-0122)*

Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.

22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,738.61	143.93
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,769.76	159.45
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,802.05	175.70
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	

22 13 19 13-0127 Square Top Floor Receptors *(22 13 19 13-0122)*

Note: With acid resistant coating.

22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	2,050.91	128.40
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	2,081.86	143.93
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	2,112.39	159.21
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,145.35	175.70
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	

22 13 19 13-0132 Floor Drain Accessories *(22 13 19 13)*

22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	116.85	14.93
22 13 19 13-0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	95.10	14.93
22 13 19 13-0135	EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	103.80	14.93
22 13 19 13-0136	EA	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	125.54	14.93
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	112.50	14.93
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	160.57	14.93
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	178.07	14.93
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	221.49	14.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 19 26 Grease Removal Devices *(22 13 19)*

22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.

22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.

22 13 19 26-0003	EA	7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	1,359.01	89.59
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,337.56*	
22 13 19 26-0004	EA	10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,584.96	201.56
		For Flange And Clamp Device, Add	*394.54*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,415.00*	
22 13 19 26-0005	EA	15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	2,247.38	223.95
		For Flange And Clamp Device, Add	*409.46*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,545.87*	
22 13 19 26-0006	EA	20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	2,713.73	246.35
		For Flange And Clamp Device, Add	*424.40*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,671.31*	
22 13 19 26-0007	EA	25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	3,038.08	268.75
		For Flange And Clamp Device, Add	*469.72*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,742.02*	
22 13 19 26-0008	EA	35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	3,730.36	313.53
		For Flange And Clamp Device, Add	*510.78*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,919.29*	
22 13 19 26-0009	EA	50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	4,864.39	358.32
		For Flange And Clamp Device, Add	*581.60*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,049.52*	
22 13 19 26-0010	EA	75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	9,552.65	403.11
		For Flange And Clamp Device, Add	*812.74*	
22 13 19 26-0011	EA	100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	10,807.56	499.12
		For Flange And Clamp Device, Add	*940.75*	
22 13 19 26-0012	EA	150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	13,339.70	798.60
		For Flange And Clamp Device, Add	*1,300.40*	
22 13 19 26-0013	EA	200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	19,138.20	998.24
		For Flange And Clamp Device, Add	*1,562.78*	
22 13 19 26-0014	EA	250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	22,326.08	1,197.90
		For Flange And Clamp Device, Add	*2,008.84*	
22 13 19 26-0015	EA	350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	29,005.06	1,397.54
		For Flange And Clamp Device, Add	*2,379.70*	
22 13 19 26-0016	EA	500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	37,519.38	1,597.20
		For Flange And Clamp Device, Add	*2,786.08*	

22 13 19 26-0017 Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.

22 13 19 26-0018	EA	20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	3,903.74	246.35
22 13 19 26-0019	EA	35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	5,021.79	313.53
22 13 19 26-0020	EA	50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	8,278.13	358.32

22 13 19 26-0021 Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.

22 13 19 26-0022 Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)*

Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.

22 13 19 26-0023	EA	7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	3,429.50	89.59
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,337.56*	
22 13 19 26-0024	EA	10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	4,032.58	201.56
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,415.00*	
22 13 19 26-0025	EA	15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	4,308.85	223.95
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,545.87*	
22 13 19 26-0026	EA	20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	5,257.51	246.35
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,671.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0027	EA	25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	6,336.88	268.75
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,742.02*	
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	6,553.61	313.53
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,919.29*	
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	7,481.04	358.32
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,049.52*	
22 13 19 26-0030		**Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)* Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	8,801.40	313.53
22 13 19 26-0032		**Automatic Cleaning Stainless Steel Grease Interceptor** *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,506.11	246.35
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,728.17	268.75
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,483.08	313.53
22 13 19 26-0036		**Precast Concrete Grease Interceptor** *(22 13 19 26)* Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	5,664.60	448.12
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	6,475.92	448.12
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	7,350.33	512.31
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	8,375.67	723.50
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	9,443.07	973.42
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	14,149.32	1,280.70
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	18,201.67	2,100.15
22 13 19 26-0044		**Coated Steel Manual Oil Interceptor** *(22 13 19 26)* Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	6,281.05	341.16
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,492.27	405.38
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,279.68	498.77
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	11,163.92	540.28
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	13,436.42	589.57
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	17,785.23	648.59
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	30,049.04	746.51
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	32,795.64	918.50
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	40,340.50	995.54
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	56,571.14	1,194.40
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	65,312.25	1,283.99
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	82,341.97	1,531.24
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	99,763.77	1,254.73
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	118,177.40	1,493.02
22 13 19 33		**Backwater Valves** *(22 13 19)*		
22 13 19 33-0001		**Cast Iron Body Terminal Backwater Valves** *(22 13 19 33)*		
22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve	772.47	34.28
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve	785.61	43.12
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve	1,137.16	57.33
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve	3,121.24	78.16
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve	3,810.37	102.87
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve	11,179.08	126.91
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve	12,645.25	164.60
22 13 19 33-0009		**Cast Iron Backwater Sewer Line Valve** *(22 13 19 33)* Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,892.00	81.72
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,909.30	99.14
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,592.99	127.81
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	5,077.15	142.01
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	7,071.72	168.28
22 13 19 33-0015		**Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve** *(22 13 19 33)* Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,274.93	129.36
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,338.94	171.99
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,797.56	210.33
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,834.12	234.48

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0020		**Polyvinyl Chloride (PVC) Backwater Sewer Line Valve** *(22 13 19 33)* Note: Oatey.		
22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	149.67	43.12
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	179.76	57.33
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	517.02	78.16
22 13 19 33-0024		**Polyvinyl Chloride (PVC) Extendable Backwater Valves** *(22 13 19 33)*		
22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	351.61	86.23
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	468.20	114.66
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	801.59	156.32
22 13 19 36		**Air-Admittance Valves** *(22 13 19)*		
22 13 19 36-0001		**Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent** *(22 13 19 36)*		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	172.69	16.72
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	204.89	16.72
22 13 23		**Sanitary Waste Interceptors** *(22 13)*		
22 13 23 00-0001		**Sediment Bucket Solids Interceptors** *(22 13 23)*		
22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,334.89	169.13
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,336.55	169.13
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,875.42	169.13
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,875.42	169.13
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,997.41	169.13
22 13 23 00-0007		**Drum Trap, Solids Interceptors** *(22 13 23)*		
22 13 23 00-0008		**Extra Heavy-Duty Cast Iron Drum Trap** *(22 13 23 00-0007)*		
22 13 23 00-0009	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Extra Heavy Cast Iron	1,523.44	167.21
		For Acid Coating Inside Or Outside, Add	*725.91*	
		For Acid Coating Inside And Outside, Add	*873.78*	
22 13 23 00-0010	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Extra Heavy Cast Iron	1,553.31	191.11
		For Acid Coating Inside Or Outside, Add	*725.91*	
		For Acid Coating Inside And Outside, Add	*873.78*	
22 13 23 00-0011		**Aluminum, Solid Interceptor, Drum Trap** *(22 13 23 00-0007)*		
22 13 23 00-0012	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Aluminum	2,068.70	167.21
22 13 23 00-0013	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Aluminum	2,098.57	191.11
22 13 23 00-0014		**Solid Interceptors, Cast Iron With Internal Deep Seal Trap** *(22 13 23)*		
22 13 23 00-0015	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	338.26	57.85
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0016	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	345.66	61.62
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0017		**Sediment Strainers** *(22 13 23)*		
22 13 23 00-0018	EA	2" Strainer, Pump Suction Side	206.10	78.88
22 13 29		**Sanitary Sewerage Pumps** *(22 13)* Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13		**Wet-Pit-Mounted, Vertical Sewerage Pumps** *(22 13 29)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0001		Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)* Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
22 13 29 13-0002		1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,025.42	1,432.81
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,342.57	1,432.81
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,659.72	1,432.81
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,962.23	1,432.81
22 13 29 13-0007		2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	8,903.68	1,432.81
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,025.66	1,432.81
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,111.05	1,432.81
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,696.55	1,432.81
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	10,269.86	1,432.81
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	11,148.11	1,432.81
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	12,026.37	1,432.81
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	13,852.52	1,906.75
22 13 29 13-0016		3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,514.88	1,432.81
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,514.88	1,432.81
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,726.21	1,432.81
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,366.01	1,432.81
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,653.66	1,432.81
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	13,953.71	1,906.75
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	14,685.59	1,906.75
22 13 29 13-0024		Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*		
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	
22 13 29 13-0030		Float Switches *(22 13 29 13-0001)* Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034		Square Or Round Steel Sump Covers *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	857.23	47.77
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	949.03	53.75
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	1,316.86	71.67
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	1,910.73	83.61
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	2,048.39	86.60
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	2,190.28	89.59
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	2,790.01	107.49
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	3,779.03	119.44
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	4,792.29	149.31
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	6,091.51	164.23
22 13 29 13-0045		Sludge Pumps *(22 13 29 13)*		
22 13 29 13-0046		Vortex Type Sludge Pumps *(22 13 29 13-0045)* Note: 1750 RPM motor, 230/460V, cast iron casing, cast iron impeller, and single stage.		
22 13 29 13-0047	EA	15HP Vortex Type Sludge Pump, 4" Flange Connections (Wemco C)	47,809.78	1,771.96
		For Explosion Proof Motor, Add	*375.00*	
22 13 29 13-0048	EA	30HP Vortex Type Sludge Pump, 6" Flange Connections (Wemco C)	67,036.28	2,278.23
		For Explosion Proof Motor, Add	*750.00*	
22 13 29 13-0049	EA	75HP Vortex Type Sludge Pump, 8" Flange Connections (Wemco C)	86,182.57	3,480.63
		For Explosion Proof Motor, Add	*1,125.00*	
22 13 29 13-0050	EA	20 HP Vortex Type Sludge Pump, 8" Intake And 6" Discharge Flange Connections (Wemco E)	36,439.60	2,025.10
		For Explosion Proof Motor, Add	*500.00*	
22 13 29 13-0051	EA	50HP Vortex Type Sludge Pump, 6" Intake And 11" Discharge Flange Connections (Wemco E)	58,128.03	2,784.50
		For Explosion Proof Motor, Add	*1,250.00*	
22 13 29 13-0052		Polymer Feed Sludge Pumps *(22 13 29 13-0045)* Note: 230/460 volt		
22 13 29 13-0053	EA	115 GPM/100 RPM At 0 PSI, Polymer Feed Sludge Pump, 25 HP, 400 RPM Motor, 8" Flange connections (Moyno 1H115G1CDQAAA) Note: Single stage, cast iron casing, alloy steel rotor, and nitrile stator.	38,580.06	2,076.82
		For 75 HP Motor, Add	*17,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0054	EA	22 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 5 HP, 500 RPM Motor, 6" Flange Connections (Moyno 1E022G1SSFCAA)	28,365.86	716.05
		Note: Single stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator.		
		For 7-1/2 HP Motor, Add	*2,676.00*	
22 13 29 13-0055	EA	12 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 2E012G1SSFCAA)	26,290.37	716.05
		Note: Two stage. 316 stainless steel casing and rotor, and fluoro-elastomer stator.		
22 13 29 13-0056	EA	8 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 1E008G1CSFDAA)	16,984.43	716.05
		Note: Single stage, cast iron body, 316 stainless steel rotor, and fluoro-elastomer stator.		
		For 7-1/2 HP Motor, Add	*2,676.00*	

22 13 29 13-0057 Centrifuge Pilot Pumps *(22 13 29 13-0045)*

22 13 29 13-0058	EA	Centrifuge Pilot Pump, 325 GPM/100 RPM At 0 PSI, Two Stage, 10" Flange Connections (Moyno 2K345G1CDQAAA)	88,784.49	2,088.38
		Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.		
		For 75 HP Motor, Add	*15,864.00*	
22 13 29 13-0059	EA	620 GPM/100 RPM At 0 PSI Centrifuge Pilot Pump, Single Stage, 10" Flange Connections (Moyno 1K620G1CDQAAA)	93,755.33	2,088.38
		Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.		
		For 75 HP Motor, Add	*15,864.00*	

22 13 29 16 Submersible Sewerage Pumps *(22 13 29)*

22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*

22 13 29 16-0002 Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*

Note: Includes 25' cord.

22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,601.11	86.91
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,706.92	86.91
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,674.36	86.91
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,830.37	86.91
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,830.37	86.91
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,935.94	108.64
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,074.31	108.64
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,091.95	108.64

22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*

Note: Includes 20' cord.

22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,630.95	86.91
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,782.89	86.91
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,710.99	86.91
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,857.50	86.91
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,989.09	86.91
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,851.83	108.64
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,009.20	108.64
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,007.84	108.64
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,300.10	175.12
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,433.04	175.12
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,456.10	175.12
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,461.01	214.04
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,612.95	214.04
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,617.02	214.04

22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*

Note: Includes 20' cord.

22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,934.83	86.91
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,192.59	86.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,140.79	108.64
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,296.80	108.64
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,610.76	175.12
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,766.77	175.12
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,773.03	214.04
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,929.03	214.04

22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller *(22 13 29 16)*

Note: Includes 25' of cord with pump.

22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,878.74	108.64
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,197.26	175.23
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,561.53	214.17
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,812.39	259.61
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,520.74	305.04
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller	7,282.60	350.47

22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof *(22 13 29 16)*

Note: Includes 25' of cord with pump.

22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,694.92	389.30
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,098.26	389.30
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,098.26	389.30
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,068.81	519.06
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,472.15	519.06
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,472.15	519.06
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,565.76	648.82
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,969.10	648.82
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,969.10	648.82
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,947.11	778.59
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,350.45	778.59
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,350.45	778.59
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,884.10	908.36
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,287.44	908.36
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,287.44	908.36
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,238.11	1,038.12
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,238.11	1,038.12

22 13 29 16-0060 Submersible Sewage Pump Accessories *(22 13 29 16)*

22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light and alarm float switch.	781.63	97.24
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, and alarm float switch.	807.55	97.24
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,596.93	129.66
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn and warning light. Control float switches not included.	2,260.56	129.66
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	4,820.90	129.66
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,043.82	129.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	8,061.55	162.07
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	6,793.39	162.07
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,769.34	162.07
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,950.79	162.07
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,871.73	162.07
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	2,035.26	162.07
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included.	3,495.93	162.07
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	649.42	64.82
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	121.85	32.42
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	139.80	32.42
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	156.69	32.42
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	156.81	32.42
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	473.39	32.42
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	498.51	32.42
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	527.33	32.42
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	567.69	32.42
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	251.11	32.42
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	66.59	16.20
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,332.22	97.24
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	2,090.49	129.66
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,731.09	162.07
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	2,759.52	97.24
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	3,898.72	97.24
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	380.47	64.82
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	673.13	81.04
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	673.18	97.24
22 13 29 16-0093	EA	12' Stainless Steel Lifting Cable	187.53	32.42
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge Note: Used for shallow systems where guide rails are not necessary.	373.62	32.42

22 13 29 33 Sewerage Pump Basins and Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High-Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	165.35	
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	214.43	
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	491.96	
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	691.91	
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	891.85	
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	1,037.92	

22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	402.38	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	818.21	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,469.33	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,977.86	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,279.02	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,406.97	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,827.67	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	3,283.63	

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,037.01	199.11
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,136.55	238.88
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,236.08	298.60
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,659.82	358.32
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,709.58	398.10
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,021.72	418.04
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,736.54	432.97
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint *(22 14 26 13-0001)*

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,606.21	199.11
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,745.51	238.88
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,922.47	298.60
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,658.01	358.32
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,852.16	398.10
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top *(22 14 26 13-0001)*

22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,222.55	199.11
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,322.09	238.88
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,421.62	298.60
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,827.80	358.32
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,877.56	398.10
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate *(22 14 26 13-0001)*

22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,437.00	79.67
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,476.82	99.49
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,494.92	108.57
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,103.45	143.93
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,166.94	175.70
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	

22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate *(22 14 26 13-0001)*

22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,138.00	199.11
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,237.54	238.88
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,337.07	298.60
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	

22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome *(22 14 26 13-0001)*

22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,225.81	199.11
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,325.35	238.88
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,424.88	298.60
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,848.63	358.32
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,898.39	398.10
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,210.53	418.04
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,925.35	432.97
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0040 Aluminum Roof Drains *(22 14 26 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0041		**Aluminum Dome Roof Drains** *(22 14 26 13-0040)*		
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	1,258.75	199.11
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	1,358.29	238.88
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	1,457.82	298.60
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	1,931.32	397.74
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	2,243.71	418.04
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,958.28	432.97
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0048		**Retrofit Roof Drains** *(22 14 26 13)*		
22 14 26 13-0049		**Retrofit Copolymer Roof Drains With Copolymer Strainer Dome** *(22 14 26 13-0048)*		
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	900.63	238.88
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	1,015.66	298.60
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	1,226.96	358.32
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,338.72	397.74
22 14 26 13-0054		**Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome** *(22 14 26 13-0048)*		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,040.12	238.88
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,148.95	298.60
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,369.55	358.32
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,437.91	397.74
22 14 26 13-0059		**Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome** *(22 14 26 13-0048)*		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	906.83	238.88
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	1,021.86	298.60
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,233.16	358.32
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,295.32	397.74
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0064		**Bronze Downspout Nozzles** *(22 14 26 13)*		
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	542.10	119.44
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	542.10	119.44
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	542.10	119.44
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	844.53	149.31
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	844.53	149.31
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	1,098.70	149.31
22 14 26 16		**Facility Area Drains** *(22 14 26)*		
22 14 26 16-0001		**Area Drain** *(22 14 26 16)*		
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,230.69	143.81
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,261.70	159.33
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,294.32	175.70
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,328.32	192.66
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,982.05	143.81
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,013.06	159.33
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,045.68	175.70
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,079.68	192.66
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,014.74	143.81
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,045.75	159.33
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,078.37	175.70
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,112.37	192.66
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,530.86	143.81
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,561.87	159.33
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,594.49	175.70
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,628.49	192.66
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,180.86	143.81
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,211.87	159.33
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,244.49	175.70
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,278.49	192.66
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,190.33	143.81
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,221.34	159.33
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,253.96	175.70
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,287.96	192.66
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,431.10	143.81
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,462.11	159.33
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,494.73	175.70
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	860.77	143.81
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	891.78	159.33
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	924.40	175.70
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,348.04	143.81
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,379.05	159.33
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,411.67	175.70
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,346.44	143.81
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,377.45	159.33
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,410.07	175.70
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,820.94	143.81
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,851.95	159.33
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,884.57	175.70
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,080.65	143.81
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,111.66	159.33
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,144.28	175.70
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,177.35	143.81
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,208.36	159.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,240.98	175.70
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	717.87	143.81
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	748.88	159.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	781.50	175.70
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,114.74	143.81
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,145.75	159.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,178.37	175.70
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.	1,032.92	71.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.	573.44	71.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.	970.31	71.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,865.06	143.81
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,896.07	159.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,928.69	175.70
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,296.51	143.81
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,327.52	159.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,360.14	175.70
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,787.30	143.81
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,818.31	159.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,850.93	175.70
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,562.10	143.81
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,593.11	159.33
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,625.73	175.70
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,720.61	71.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,152.06	71.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,642.85	71.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,417.65	71.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,720.61	346.55
		For Explosion Proof Motor, Add	*326.86*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	7,102.66	419.44
		For Explosion Proof Motor, Add	*363.37*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	8,113.12	498.31
		For Explosion Proof Motor, Add	*469.42*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	8,650.58	613.03
		For Explosion Proof Motor, Add	*532.01*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	9,134.09	664.41
		For Explosion Proof Motor, Add	*777.15*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	10,831.06	797.05
		For Explosion Proof Motor, Add	*881.47*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	12,677.35	825.49
		For Explosion Proof Motor, Add	*1,444.78*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	15,272.04	993.94
		For Explosion Proof Motor, Add	*1,917.68*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	16,479.06	1,159.19
		For Explosion Proof Motor, Add	*2,486.20*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	22,147.13	1,391.52
		For Explosion Proof Motor, Add	*3,239.01*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	30,739.88	1,545.59
		For Explosion Proof Motor, Add	*5,134.09*	

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,058.66
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,158.42
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,267.58
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,521.99
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,701.17
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,732.14
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,944.51
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,127.75

22 14 29 13-0022 Support Plate *(22 14 29 13)*

22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	857.23	47.77
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	949.03	53.75
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	1,316.86	71.67
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	1,910.73	83.61
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	2,048.39	86.60
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	2,190.16	89.59
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	2,790.01	107.49
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	3,779.03	119.44
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	5,045.45	149.31
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	6,091.51	164.23

22 14 29 16 Submersible Sump Pumps *(22 14 29)*

22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0002		**Submersible Sump Pump With Cast Iron Vortex Impeller** *(22 14 29 16-0001)*		
22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	547.95	77.84
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	607.07	77.84
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	953.98	82.37
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,047.53	82.37
22 14 29 16-0007		**Submersible Sump Pump With Bronze Vortex Impeller** *(22 14 29 16-0001)* Note: Includes 20' of cord with pump.		
22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,606.27	82.37
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,747.25	82.37
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,835.56	90.80
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,986.29	90.80
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,044.69	103.77
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,192.82	103.77
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,196.63	123.23
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,325.27	123.23
22 14 29 16-0016		**Submersible Sump Pump With Semi-Open Impeller** *(22 14 29 16)* Note: Includes 20' of cord with pump.		
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,207.78	77.84
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,246.30	77.84
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,551.76	82.37
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,578.82	82.37
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,890.52	86.91
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,890.52	86.91
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,999.26	90.80
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,999.26	90.80
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,281.74	103.77
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,281.74	103.77
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,654.23	123.23
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,607.39	123.23

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001		**Aluminum Pipe And Fittings For Compressed Air** *(22 15 13)*		
22 15 13 00-0002		**Aluminum (6063) Pipe (FastPipe)** *(22 15 13 00-0001)* Note: For compressed air system		
22 15 13 00-0003	LF	3/4" Blue Rigid Aluminum Pipe Note: For compresed air system	8.88	2.60
22 15 13 00-0004	LF	1" Blue Rigid Aluminum Pipe Note: For compresed air system	10.84	2.86
22 15 13 00-0005	LF	1-1/2" Blue Rigid Aluminum Pipe Note: For compresed air system	14.52	3.63
22 15 13 00-0006	LF	2" Blue Rigid Aluminum Pipe Note: For compresed air system	17.52	4.16
22 15 13 00-0007	LF	3" Blue Rigid Aluminum Pipe Note: For compresed air system	28.60	5.70
22 15 13 00-0008		**Compression Fittings (FastPipe)** *(22 15 13 00-0001)* Note: For compressed air system		
22 15 13 00-0009		**Compression Union** *(22 15 13 00-0008)*		
22 15 13 00-0010	EA	3/4" FastPipe Compression Union Note: For compresed air system	24.50	3.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0011	EA	1" FastPipe Compression Union Note: For compresed air system	36.83	5.19
22 15 13 00-0012	EA	1-1/2" FastPipe Compression Union Note: For compresed air system	57.38	7.26
22 15 13 00-0013	EA	2" FastPipe Compression Union Note: For compresed air system	71.87	9.34
22 15 13 00-0014	EA	3" FastPipe Compression Union Note: For compresed air system	136.71	14.53
22 15 13 00-0015		**Compression 90 Degree Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0016	EA	3/4" FastPipe Compression 90 Degree Elbow Note: For compresed air system	25.91	3.63
22 15 13 00-0017	EA	1" FastPipe Compression 90 Degree Elbow Note: For compresed air system	38.30	5.19
22 15 13 00-0018	EA	1-1/2" FastPipe Compression 90 Degree Elbow Note: For compresed air system	58.94	7.26
22 15 13 00-0019	EA	2" FastPipe Compression 90 Degree Elbow Note: For compresed air system	80.70	9.34
22 15 13 00-0020	EA	3" FastPipe Compression 90 Degree Elbow Note: For compresed air system	155.48	14.53
22 15 13 00-0021		**Compression 45 Degree Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0022	EA	1" FastPipe Compression 45 Degree Elbow Note: For compresed air system	38.62	5.19
22 15 13 00-0023	EA	1-1/2" FastPipe Compression 45 Degree Elbow Note: For compresed air system	65.72	7.26
22 15 13 00-0024	EA	2" FastPipe Compression 45 Degree Elbow Note: For compresed air system	87.08	9.34
22 15 13 00-0025		**Compression Tee** *(22 15 13 00-0008)*		
22 15 13 00-0026	EA	3/4" FastPipe Compression Tee Note: For compresed air system	34.96	5.44
22 15 13 00-0027	EA	1" FastPipe Compression Tee Note: For compresed air system	49.52	7.79
22 15 13 00-0028	EA	1-1/2" FastPipe Compression Tee Note: For compresed air system	91.21	10.90
22 15 13 00-0029	EA	2" FastPipe Compression Tee Note: For compresed air system	113.63	14.01
22 15 13 00-0030	EA	3" FastPipe Compression Tee Note: For compresed air system	215.57	21.79
22 15 13 00-0031		**Compression Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0032	EA	1" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	47.47	7.00
22 15 13 00-0033	EA	1-1/2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	81.71	9.08
22 15 13 00-0034	EA	1-1/2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	85.28	9.86
22 15 13 00-0035	EA	2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	103.28	11.16
22 15 13 00-0036	EA	2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	106.49	11.93
22 15 13 00-0037		**Compression Reducing Union** *(22 15 13 00-0008)*		
22 15 13 00-0038	EA	1" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	35.52	4.41
22 15 13 00-0039	EA	1-1/2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	51.96	5.44
22 15 13 00-0040	EA	1-1/2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	53.05	6.23
22 15 13 00-0041	EA	2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	65.87	6.49
22 15 13 00-0042	EA	2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	68.32	7.26
22 15 13 00-0043	EA	2" x 1-1/2" FastPipe Compression Reducing Union Note: For compresed air system	72.57	8.30
22 15 13 00-0044		**Compression x NPT 90 Degree Reducing Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0045	EA	3/4" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	52.43	7.53
22 15 13 00-0046	EA	3/4" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	55.89	8.56
22 15 13 00-0047	EA	1" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	61.66	8.30
22 15 13 00-0048	EA	1" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	63.73	9.34
22 15 13 00-0049	EA	1" x 3/4" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	66.33	10.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0050		**Compression x NPT Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0051	EA	3/4" x 1/4" NPT FastPipe Compression Reducing Tee Note: For compresed air system	60.72	9.34
22 15 13 00-0052	EA	3/4" x 1/2" NPT FastPipe Compression Reducing Tee Note: For compresed air system	63.19	10.37
22 15 13 00-0053	EA	1" x 1/4" NPT FastPipe Compression Reducing Tee Note: For compresed air system	72.11	10.90
22 15 13 00-0054	EA	1" x 1/2" NPT FastPipe Compression Reducing Tee Note: For compresed air system	74.35	11.93
22 15 13 00-0055	EA	1" x 3/4" NPT FastPipe Compression Reducing Tee Note: For compresed air system	77.17	12.97
22 15 13 00-0056	EA	1-1/2" x 1/2" NPT FastPipe Compression Reducing Tee Note: For compresed air system	103.12	14.01
22 15 13 00-0057	EA	1-1/2" x 3/4" NPT FastPipe Compression Reducing Tee Note: For compresed air system	105.72	15.05
22 15 13 00-0058	EA	2" x 1/2" NPT FastPipe Compression Reducing Tee Note: For compresed air system	115.22	16.09
22 15 13 00-0059	EA	2" x 3/4" NPT FastPipe Compression Reducing Tee Note: For compresed air system	117.81	17.12
22 15 13 00-0060		**Compression Inline Valve** *(22 15 13 00-0008)*		
22 15 13 00-0061	EA	3/4" FastPipe Compression Inline Valve Note: For compresed air system	77.89	3.63
22 15 13 00-0062	EA	1" FastPipe Compression Inline Valve Note: For compresed air system	100.08	5.19
22 15 13 00-0063	EA	1-1/2" FastPipe Compression Inline Valve Note: For compresed air system	206.86	7.26
22 15 13 00-0064	EA	2" FastPipe Compression Inline Valve Note: For compresed air system	298.84	9.34
22 15 13 00-0065	EA	3" FastPipe Compression Inline Valve Note: For compresed air system	482.12	14.53
22 15 13 00-0066		**Compression Single Port Wall Outlet** *(22 15 13 00-0008)*		
22 15 13 00-0067	EA	3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	69.37	8.56
22 15 13 00-0068	EA	1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	71.87	9.34
22 15 13 00-0069		**NPT Push To Connect Coupler** *(22 15 13 00-0008)*		
22 15 13 00-0070	EA	1/2" Male NPT Push To Connect Coupler Note: For compresed air system	27.86	6.74
22 15 13 00-0071		**Quick Disconnect, Air-Service** *(22 15 13)*		
22 15 13 00-0072		**Combination Steel And Brass** *(22 15 13 00-0071)*		
22 15 13 00-0073	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	61.62	18.16
22 15 13 00-0074	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	68.64	22.05
22 15 13 00-0075		**Refrigerated Air Dryers With Ambient Air Filters** *(22 15 13)* Note: 120 Voltage, 1 Phase		
22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	877.78	103.47
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,005.08	106.35
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,185.81	109.22
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,335.62	114.97
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,742.06	129.34
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,969.61	147.16
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,209.39	166.71
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,597.89	186.83
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,011.26	218.45
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,394.76	233.39
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,991.05	258.68
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,592.16	287.42
		For 230 Voltage, Add	*1,205.19*	
22 15 13 00-0088	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,962.92	316.18
		For 230 Voltage, Add	*1,299.17*	
22 15 13 00-0089	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,343.69	350.66
		For 230 Voltage, Add	*1,393.16*	
22 15 13 00-0090	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,778.15	373.66
		For 230 Voltage, Add	*1,509.25*	
22 15 13 00-0091	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,110.96	388.03
		For 230 Voltage, Add	*1,600.47*	
22 15 13 00-0092	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,617.70	402.40
		For 230 Voltage, Add	*2,943.87*	
22 15 13 00-0093	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,411.21	416.77
		For 230 Voltage, Add	*3,173.30*	
22 15 13 00-0094	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,182.61	431.14
		For 230 Voltage, Add	*3,396.10*	
22 15 13 00-0095	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	14,479.09	459.89
		For 230 Voltage, Add	*4,067.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0096	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	16,417.31	574.86
		For 230 Voltage, Add	*4,580.28*	
22 15 13 00-0097	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	23,364.25	689.83
		For 230 Voltage, Add	*6,595.38*	
22 15 13 00-0098	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	31,739.38	804.79
		For 230 Voltage, Add	*9,038.93*	
22 15 13 00-0099	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	35,535.14	919.77
		For 230 Voltage, Add	*10,108.68*	
22 15 13 00-0100		Oil And Water Separator For Air Compressor *(22 15 13)*		
22 15 13 00-0101	EA	0-60 SCFM Oil/Water Separator	790.58	41.53
22 15 13 00-0102	EA	85 SCFM Oil/Water Separator	1,059.26	48.66
22 15 13 00-0103	EA	190 SCFM Oil/Water Separator	1,238.09	55.15
22 15 13 00-0104	EA	245 SCFM Oil/Water Separator	1,554.25	64.88
22 15 13 00-0105	EA	320 SCFM Oil/Water Separator	1,847.41	77.86
22 15 13 00-0106	EA	700 SCFM Oil/Water Separator	3,724.39	162.21
22 15 13 00-0107		Heavy-Duty Industrial Pressure Regulator *(22 15 13)*		
22 15 13 00-0108	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	137.16	34.49
22 15 13 00-0109	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	191.49	45.99
22 15 13 00-0110	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	326.52	57.48
22 15 13 00-0111	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	409.80	86.23
22 15 13 00-0112	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	572.23	100.60
22 15 13 00-0113	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	600.97	114.97
22 15 13 00-0114		Combination Air System; Filter Regulator Lubricator *(22 15 13)*		
22 15 13 00-0115	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	520.21	103.47
22 15 13 00-0116	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	644.47	137.97
22 15 13 00-0117		Heatless Desiccant Air Dryers *(22 15 13)*		
22 15 13 00-0118	EA	5 SCFM Heatless Desiccant Air Dryer	3,049.84	103.47
22 15 13 00-0119	EA	10 SCFM Heatless Desiccant Air Dryer	3,666.76	114.97
22 15 13 00-0120	EA	15 SCFM Heatless Desiccant Air Dryer	3,702.66	126.47
22 15 13 00-0121	EA	20 SCFM Heatless Desiccant Air Dryer	4,229.24	143.71
22 15 13 00-0122	EA	30 SCFM Heatless Desiccant Air Dryer	5,825.41	172.45
22 15 13 00-0123	EA	50 SCFM Heatless Desiccant Air Dryer	5,754.25	229.94
22 15 13 00-0124	EA	85 SCFM Heatless Desiccant Air Dryer	7,728.61	287.42
22 15 13 00-0125	EA	100 SCFM Heatless Desiccant Air Dryer	8,202.56	344.92
22 15 13 00-0126	EA	125 SCFM Heatless Desiccant Air Dryer	9,390.76	402.40
22 15 13 00-0127	EA	175 SCFM Heatless Desiccant Air Dryer	10,783.36	459.89
22 15 13 00-0128	EA	200 SCFM Heatless Desiccant Air Dryer	11,588.46	517.37
22 15 13 00-0129	EA	300 SCFM Heatless Desiccant Air Dryer	14,169.09	574.86
22 15 13 00-0130	EA	400 SCFM Heatless Desiccant Air Dryer	15,740.59	689.83
22 15 13 00-0131	EA	500 SCFM Heatless Desiccant Air Dryer	18,192.96	804.79
22 15 13 00-0132	EA	600 SCFM Heatless Desiccant Air Dryer	20,991.76	919.77
22 15 13 00-0133		Air-Cooled Aftercoolers *(22 15 13)*		
22 15 13 00-0134	EA	20 SCFM Air-Cooled Aftercooler	770.29	71.86
22 15 13 00-0135	EA	35 SCFM Air-Cooled Aftercooler	1,040.42	86.23
22 15 13 00-0136	EA	43 SCFM Air-Cooled Aftercooler	1,142.87	100.60
22 15 13 00-0137	EA	70 SCFM Air-Cooled Aftercooler	1,396.43	114.97
22 15 13 00-0138	EA	125 SCFM Air-Cooled Aftercooler	1,944.83	129.34
22 15 13 00-0139	EA	185 SCFM Air-Cooled Aftercooler	2,183.66	143.71
22 15 13 00-0140	EA	260 SCFM Air-Cooled Aftercooler	4,226.59	172.45
22 15 13 00-0141	EA	365 SCFM Air-Cooled Aftercooler	4,418.97	201.20
22 15 13 00-0142	EA	560 SCFM Air-Cooled Aftercooler	4,609.88	229.94
22 15 13 00-0143	EA	650 SCFM Air-Cooled Aftercooler	5,405.95	258.68
22 15 13 00-0144	EA	750 SCFM Air-Cooled Aftercooler	5,910.13	287.42
22 15 13 00-0145	EA	900 SCFM Air-Cooled Aftercooler	6,776.97	316.18
22 15 13 00-0146	EA	1,100 SCFM Air-Cooled Aftercooler	8,699.38	344.92
22 15 13 00-0147	EA	1,460 SCFM Air-Cooled Aftercooler	9,950.25	373.66
22 15 13 00-0148	EA	1,800 SCFM Air-Cooled Aftercooler	10,274.94	402.40
22 15 13 00-0149	EA	2,500 SCFM Air-Cooled Aftercooler	11,017.96	431.14
22 15 13 00-0150		Compressed Air Coalescing Filters *(22 15 13)*		
22 15 13 00-0151		1.0 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0150)*		
22 15 13 00-0152	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	268.63	42.17
22 15 13 00-0153	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	320.23	42.17
22 15 13 00-0154	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	349.78	48.66
22 15 13 00-0155	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	402.76	55.80
22 15 13 00-0156	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	469.73	61.64
22 15 13 00-0157	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	532.52	74.61
22 15 13 00-0158	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	556.11	81.10
22 15 13 00-0159	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	695.89	97.32
22 15 13 00-0160	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	893.45	129.77
22 15 13 00-0161	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	1,021.72	145.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0162		0.01 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0150)*		
22 15 13 00-0163	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	327.61	42.17
22 15 13 00-0164	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	355.30	48.66
22 15 13 00-0165	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	407.92	55.80
22 15 13 00-0166	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	480.05	55.15
22 15 13 00-0167	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	544.32	74.61
22 15 13 00-0168	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	617.38	81.10
22 15 13 00-0169	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	709.16	97.32
22 15 13 00-0170	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	915.57	129.77
22 15 13 00-0171	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	1,051.20	145.98
22 15 13 00-0172		Compressed Air Storage Tanks *(22 15 13)*		
22 15 13 00-0173		Horizontal Compressed Air Storage Tanks *(22 15 13 00-0172)*		
22 15 13 00-0174	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	441.94	91.98
22 15 13 00-0175	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	983.98	100.60
22 15 13 00-0176	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	1,043.25	105.77
22 15 13 00-0177	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	1,194.23	114.97
22 15 13 00-0178	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,554.56	155.21
22 15 13 00-0179	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,889.44	172.45
22 15 13 00-0180	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	2,883.34	201.20
22 15 13 00-0181	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	4,359.62	229.94
22 15 13 00-0182	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	4,870.77	244.31
22 15 13 00-0183	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	7,122.10	258.68
22 15 13 00-0184	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	9,416.74	301.80
22 15 13 00-0185	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	13,610.04	359.29
22 15 13 00-0186		Vertical Compressed Air Storage Tanks *(22 15 13 00-0172)*		
22 15 13 00-0187	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	917.81	91.98
22 15 13 00-0188	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	959.52	100.60
22 15 13 00-0189	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	1,043.25	105.77
22 15 13 00-0190	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	1,242.67	114.97
22 15 13 00-0191	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,699.86	155.21
22 15 13 00-0192	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	1,959.41	172.45
22 15 13 00-0193	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,731.18	201.20
22 15 13 00-0194	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	4,046.02	229.94
22 15 13 00-0195	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	4,471.04	244.31
22 15 13 00-0196	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	6,143.63	258.68
22 15 13 00-0197	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	7,898.17	301.80
22 15 13 00-0198	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	10,352.92	330.55
22 15 13 00-0199	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	17,357.01	373.66
22 15 19		**General Service Packaged Air Compressors and Receivers** *(22 15)*		
		Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 13		**General Service Packaged Reciprocating Air Compressors** *(22 15 19)*		
22 15 19 13-0001		Single Stage Compressor *(22 15 19 13)*		
		Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		
22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,239.85	407.92
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,385.94	470.81
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,864.25	556.01
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,402.00	613.49
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,382.53	647.98
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,750.58	670.97
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,457.88	766.86
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,926.52	812.85
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	8,309.45	920.23
22 15 19 13-0011		Two Stage Compressor *(22 15 19 13)*		
		Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	6,193.46	716.96
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	6,650.42	843.54
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	6,952.21	920.23
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	7,941.77	1,226.97
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	8,560.00	1,226.97
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	9,194.87	1,533.72
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	9,755.59	1,533.72
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	12,507.20	1,897.02
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	13,421.46	1,954.51
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	14,498.22	2,284.24
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	21,839.93	2,585.71
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	23,463.34	2,921.76
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	26,152.06	3,229.19
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	28,450.88	3,539.04
22 15 19 19		**General Service Packaged Rotary-Screw Air Compressors** *(22 15 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0001		Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)* Note: Oil flooded.		
22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	10,580.49	1,035.52
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	11,804.06	1,380.70
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,135.36	1,731.07
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,504.10	2,206.01
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	20,027.35	2,595.30
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	24,304.70	2,919.72
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	26,635.31	3,244.13
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	32,039.87	3,633.42
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	35,221.25	3,892.95
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	39,540.19	4,195.31
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	51,430.31	4,541.79
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	57,070.23	4,801.31
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	91,658.61	5,190.61
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	114,373.81	5,612.34
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	132,871.04	6,040.57
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	172,917.97	6,488.26
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	196,472.08	6,903.51
22 15 19 19-0019		Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)* Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	13,204.42	1,380.70
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	14,032.57	1,380.70
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	15,793.84	1,731.07
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	16,699.63	1,731.07
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	17,866.41	2,206.01
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	18,823.95	2,206.01
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	20,326.40	2,595.30
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	21,361.58	2,595.30
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	35,208.59	2,919.72
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	37,927.40	3,244.13
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	40,387.44	3,633.42

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001		Commercial Water Softeners (Watts Pure Water) *(22 31 16)*		
22 31 16 00-0002		Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0003		1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,332.78	328.47
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,574.15	343.39
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	6,020.19	358.32
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	6,941.57	373.25
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,401.25	388.19
22 31 16 00-0009		1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	8,028.35	358.32
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,444.85	373.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	8,906.80	388.19
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,601.42	403.11
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	11,793.42	418.04
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	14,381.82	432.97
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	12,242.84	373.25
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	12,688.88	388.19
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	14,388.05	403.11
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,580.04	418.04
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	18,309.45	432.97
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	24,186.39	447.91
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	28,312.19	462.83
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	29,735.28	432.97
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	34,368.21	447.91
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	38,439.42	462.83
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	48,428.21	477.76
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	53,634.28	492.69
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	20,109.75	559.88
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	21,002.83	582.27
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	23,933.65	604.67
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	26,177.64	627.07
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	31,989.92	649.46
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	42,437.13	671.86
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	49,977.85	694.25
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	54,650.55	649.46
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	62,805.32	671.86
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	70,598.48	694.25
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	89,881.15	716.64
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	100,371.57	739.04
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	6,993.96	492.69
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,461.76	515.09
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,145.60	537.48
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,800.57	559.88
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,850.58	582.27
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	13,815.31	537.48
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,569.67	559.88
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,687.91	582.27
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	17,975.11	604.67
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	20,296.43	627.07
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	25,451.46	649.46

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001		Commercial Water Filters Housings *(22 32 16)*		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,752.85	210.87
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,805.75	227.09
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	2,986.02	243.31
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,307.29	259.53
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,405.68	275.75
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,134.04	291.97
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,685.15	308.19
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,598.40	324.42
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	17,274.19	340.63
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	19,164.70	356.86
22 32 16 00-0014		Commercial Water Filter Cartridges *(22 32 16 00-0002)*		
22 32 16 00-0015		(Depth) Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	13.72	2.60
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	13.72	2.60
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	13.72	2.60
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	11.44	2.60
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	14.29	2.60
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	14.29	2.60
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	15.42	2.60
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	19.40	2.60
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	15.42	2.60
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	18.27	2.60
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	18.27	2.60
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	18.27	2.60
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	19.97	2.60
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	26.23	2.60
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	23.95	2.60
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	23.95	2.60
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	26.23	2.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0033		**Pleated Water Filter Cartridges** *(22 32 16 00-0014)*		
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	24.52	2.60
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	24.52	2.60
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	25.09	2.60
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	26.80	2.60
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	40.44	2.60
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	38.74	2.60
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	38.74	2.60
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	38.74	2.60
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	51.24	2.60
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	72.85	2.60
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	60.91	2.60
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	84.79	2.60
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	88.20	2.60
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	99.57	2.60
22 32 16 00-0048		**Commercial Non-Metallic Water Filter Housings** *(22 32 16 00-0001)*		
22 32 16 00-0049		**Commercial Non-Metallic Water Filter Housings** *(22 32 16 00-0048)*		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,164.35	194.65
22 32 16 00-0051		**Commercial Water Filter Cartridges** *(22 32 16 00-0048)*		
22 32 16 00-0052		**Carbon Water Filter Cartridges** *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	713.62	2.60
22 32 16 00-0054		**(Depth) Water Filter Cartridges** *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	147.90	2.60
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	146.76	2.60
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	146.76	2.60
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	168.37	2.60
22 32 16 00-0059		**Pleated Water Filter Cartridges** *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	391.81	2.60
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	367.93	2.60
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	400.91	2.60
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	420.24	2.60
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	447.53	2.60
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	485.06	2.60

22 33 Electric Domestic Water Heaters *(22 30)*

22 33 13 Instantaneous Electric Domestic Water Heaters *(22 33)*

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*

22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	589.97	64.86
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	640.54	64.86

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)*

Note: Temperature rise decreases with increased flow rate.

22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	782.40	97.28
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	813.22	129.72
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	1,377.25	227.01
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	2,088.36	259.43
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	1,591.65	129.72
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	2,173.16	194.58
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	2,390.15	259.43
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	2,482.56	259.43
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	2,569.83	259.43
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	2,698.18	259.43

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 33 30 Residential, Electric Domestic Water Heaters *(22 33)*

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters *(22 33 30)*

22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	1,086.14	204.31
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,337.96	217.28
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,583.30	227.01

22 33 30 16 Residential, Storage Electric Domestic Water Heaters *(22 33 30)*

22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,693.71	227.01
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,590.64	233.50
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	1,564.08	239.98
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,749.15	243.23
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	2,554.85	249.70
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	2,602.55	259.43
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	3,471.18	275.65

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	1,820.49	227.01
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,731.82	233.50
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	1,835.14	239.98

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)*

Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	1,879.91	233.50
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	2,055.38	239.98
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	2,534.95	249.70
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	2,757.70	259.43

22 33 30 16-0018 Water Heater Accessories *(22 33 30 16)*

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	144.68	12.97
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	171.17	12.97
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	334.82	12.97
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	450.00	12.97
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	79.02	9.73
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	86.19	9.73
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	90.98	9.73
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	107.72	9.73
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	43.02	9.73
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	46.85	9.73
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	52.23	9.73
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	59.15	9.73

22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters *(22 33 30)*

22 33 30 23-0001 Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) *(22 33 30 23)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	4,297.36	259.43
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	5,155.30	275.65

22 33 33 Light-Commercial Electric Domestic Water Heaters *(22 33)*

22 33 33 00-0001 Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)*

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3)	11,016.15	227.01
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3)	11,460.88	227.01
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6)	11,942.67	227.01
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3)	12,007.54	259.43
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6)	12,563.45	259.43
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9)	13,452.91	259.43
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12)	14,045.89	259.43
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15)	14,527.68	259.43
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18)	15,046.53	259.43
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6)	13,119.37	259.43
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9)	13,638.22	259.43
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12)	14,231.19	259.43
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15)	14,712.98	259.43
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18)	15,231.83	259.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	19,049.09	259.43
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	14,249.72	324.30
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	14,731.51	324.30
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	15,324.48	324.30
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	15,843.33	324.30
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	19,697.66	324.30
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	21,476.57	324.30
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	23,218.43	324.30
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	16,454.84	389.16
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	16,936.63	389.16
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	17,418.42	389.16
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	17,937.28	389.16
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	21,902.78	389.16
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	23,681.70	389.16
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	25,423.56	389.16
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	28,573.72	389.16
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	29,982.04	389.16
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	34,874.06	389.16
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	41,174.40	389.16
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	51,773.79	389.16
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	18,419.08	518.88
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	18,974.99	518.88
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	19,493.84	518.88
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	19,938.57	518.88
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	23,867.02	518.88
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	25,645.94	518.88
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	27,350.73	518.88
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	30,575.02	518.88
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	31,946.27	518.88
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	36,875.36	518.88
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	43,212.76	518.88
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	53,775.08	518.88
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	20,587.14	583.73
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	21,106.00	583.73
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	21,550.72	583.73
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	25,516.23	583.73
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	27,109.84	583.73
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	28,962.88	583.73
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	32,187.17	583.73
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	33,595.48	583.73
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	38,228.08	583.73
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	44,824.91	583.73
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	55,387.24	583.73
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	23,162.87	648.59
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	23,755.84	648.59
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	27,610.16	648.59
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	29,389.08	648.59
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36)	31,130.94	648.59
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45)	34,281.11	648.59
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54)	35,726.48	648.59
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60)	40,581.44	648.59
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75)	46,881.78	648.59
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90)	57,518.23	648.59
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15)	24,756.51	778.31
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18)	25,275.36	778.31
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24)	29,129.68	778.31
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30)	30,834.48	778.31
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36)	32,650.46	778.31
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45)	35,800.62	778.31
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54)	37,134.81	778.31
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60)	42,138.02	778.31
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75)	48,475.42	778.31
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90)	59,000.68	778.31

22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) *(22 33 33)*

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,751.59	227.01
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,985.08	227.01
22 33 33 00-0082	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	3,224.13	259.43
22 33 33 00-0083	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	5,892.51	259.43
22 33 33 00-0084	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	6,763.44	324.30
22 33 33 00-0085	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	7,449.07	389.16
22 33 33 00-0086	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	8,720.28	583.73

22 33 33 00-0087 Water Heater Accessories *(22 33 33)*

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	51.70
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	75.49

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0090		Removal And Reinstallation Of Water Heater *(22 33 33)* Note: Includes storage and cleaning.		
22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	432.39	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,297.18	
22 33 36		**Commercial Domestic Water Electric Booster Heaters** *(22 33)*		
22 33 36 16		**Commercial Storage Electric Domestic Water Heaters** *(22 33 36)*		
22 33 36 16-0001		Commercial Storage Electric Domestic Water Heaters *(22 33 36 16)*		
22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	41,359.50	851.84
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	43,393.93	851.84
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	45,428.38	851.84
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	47,462.81	851.84
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	51,531.67	851.84
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	55,600.55	851.84
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	58,855.65	851.84
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	44,067.67	1,000.91
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	46,117.75	1,000.91
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	48,167.84	1,000.91
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	50,217.92	1,000.91
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	54,318.09	1,000.91
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,418.26	1,000.91
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	61,698.40	1,000.91
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	66,618.59	1,000.91
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	45,768.62	1,139.34
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	47,789.14	1,139.34
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	49,809.67	1,139.34
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	51,830.19	1,139.34
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	55,871.24	1,139.34
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	59,912.29	1,139.34
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	63,953.34	1,139.34
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	68,802.60	1,139.34
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	73,651.85	1,139.34
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	50,491.22	1,309.70
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	52,524.68	1,309.70
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	54,558.13	1,309.70
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	58,625.05	1,309.70
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	62,691.96	1,309.70
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	65,945.49	1,309.70
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	72,181.43	1,309.70
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	77,061.72	1,309.70
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	79,501.87	1,309.70
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	81,942.02	1,309.70
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	84,382.17	1,309.70
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	56,053.64	1,543.95
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	57,959.20	1,543.95
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	59,864.77	1,543.95
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	63,675.89	1,543.95
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	67,487.01	1,543.95
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	70,535.91	1,543.95
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	75,109.26	1,543.95
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	79,682.60	1,543.95
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	81,969.28	1,543.95
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	84,255.95	1,543.95
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	86,542.62	1,543.95
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater	89,972.64	1,543.95
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	61,466.99	1,703.67
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	63,821.36	1,703.67
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	66,175.73	1,703.67
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	70,884.46	1,703.67
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	75,593.19	1,703.67
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	79,360.18	1,703.67
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	85,010.66	1,703.67
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	90,661.14	1,703.67
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	93,486.37	1,703.67
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	96,311.61	1,703.67
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	99,136.86	1,703.67
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	104,787.33	1,703.67
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	107,612.57	1,703.67
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	71,752.09	1,916.63
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	74,261.19	1,916.63
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	76,770.28	1,916.63
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	81,788.48	1,916.63
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	86,806.68	1,916.63
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	90,821.23	1,916.63
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	96,843.07	1,916.63
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	102,864.91	1,916.63
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	105,875.82	1,916.63
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	108,886.74	1,916.63
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	111,897.66	1,916.63
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	117,919.50	1,916.63
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	120,930.42	1,916.63
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	126,952.25	1,916.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	132,974.08	1,916.63
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	84,228.12	2,129.59
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	87,145.39	2,129.59
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	90,062.67	2,129.59
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	95,897.20	2,129.59
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	101,731.75	2,129.59
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	106,399.38	2,129.59
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	112,421.22	2,129.59
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	119,422.67	2,129.59
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	122,923.40	2,129.59
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	126,424.12	2,129.59
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	129,924.84	2,129.59
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	137,905.91	2,129.59
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	144,907.36	2,129.59
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	148,408.09	2,129.59
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	155,409.53	2,129.59
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	97,157.34	2,843.01
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	103,102.24	2,843.01
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	109,047.14	2,843.01
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	113,803.06	2,843.01
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	120,936.95	2,843.01
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	128,070.82	2,843.01
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	131,637.77	2,843.01
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	135,204.71	2,843.01
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	138,771.64	2,843.01
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	145,905.53	2,843.01
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	153,039.42	2,843.01
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	156,606.35	2,843.01
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	163,740.24	2,843.01
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	113,783.70	3,652.25
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	118,873.60	3,652.25
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	123,963.50	3,652.25
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	128,035.43	3,652.25
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	134,143.32	3,652.25
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	140,251.21	3,652.25
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	143,305.14	3,652.25
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	146,359.09	3,652.25
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	149,413.03	3,652.25
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	155,520.91	3,652.25
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	161,628.80	3,652.25
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	164,682.74	3,652.25
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	170,790.62	3,652.25
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	126,269.89	4,259.18
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	130,946.99	4,259.18
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	135,624.09	4,259.18
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	139,365.77	4,259.18
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	144,978.30	4,259.18
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	150,590.82	4,259.18
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	153,397.08	4,259.18
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	156,203.34	4,259.18
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	159,009.61	4,259.18
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	164,622.12	4,259.18
22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	170,234.64	4,259.18
22 33 36 16-0129	EA	1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	173,040.90	4,259.18
22 33 36 16-0130	EA	1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	178,653.43	4,259.18
22 33 36 16-0131	EA	1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	184,265.95	4,259.18
22 33 36 16-0132	EA	1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	138,583.15	5,111.02
22 33 36 16-0133	EA	1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	143,101.94	5,111.02
22 33 36 16-0134	EA	1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	147,620.74	5,111.02
22 33 36 16-0135	EA	1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	151,235.77	5,111.02
22 33 36 16-0136	EA	1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	156,658.32	5,111.02
22 33 36 16-0137	EA	1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	162,080.88	5,111.02
22 33 36 16-0138	EA	1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	164,792.15	5,111.02
22 33 36 16-0139	EA	1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	167,503.43	5,111.02
22 33 36 16-0140	EA	1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	170,214.70	5,111.02
22 33 36 16-0141	EA	1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	175,637.26	5,111.02
22 33 36 16-0142	EA	1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	181,059.81	5,111.02
22 33 36 16-0143	EA	1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	183,771.08	5,111.02
22 33 36 16-0144	EA	1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	189,193.63	5,111.02
22 33 36 16-0145	EA	1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	194,616.19	5,111.02

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	2,386.68	259.43
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	2,588.84	262.68
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	2,850.85	269.16
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	3,343.84	275.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	4,073.86	291.86
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	4,162.80	291.86
22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*		
22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,582.36	259.43
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	4,073.86	291.86
22 34 30		**Residential Gas Domestic Water Heaters** *(22 34)*		
22 34 30 13		**Residential, Atmospheric, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 13-0001		Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,769.89	249.70
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,734.86	256.19
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,332.32	262.68
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	2,528.96	269.16
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	2,767.69	275.65
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	4,130.16	291.86
22 34 30 16		**Residential, Direct-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 16-0001		Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	3,300.97	256.19
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	3,772.35	262.68
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	4,929.58	269.16
22 34 30 19		**Residential, Power-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	2,991.36	256.19
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	3,117.27	262.68
22 34 36		**Commercial Gas Domestic Water Heaters** *(22 34)*		
22 34 36 13		**Commercial, Atmospheric, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)* Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	7,163.73	389.16
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,647.34	454.01
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	9,461.82	518.88
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	8,184.78	518.88
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	9,409.65	518.88
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	12,547.73	570.77
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	9,113.04	583.73
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	13,515.99	642.11
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	9,254.57	583.73
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	12,892.60	642.11
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	10,255.32	713.46
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	14,104.65	784.80
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	11,535.80	713.46
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	14,188.89	784.80
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	11,160.14	778.31
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	15,662.60	856.14
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	14,175.92	778.31
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	18,560.51	856.14
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	18,484.01	843.17
22 34 36 13-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	9,231.02	454.01
22 34 36 13-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	11,074.03	499.42
22 34 36 13-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	9,596.60	518.88
22 34 36 13-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	11,503.14	570.77
22 34 36 13-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	2,333.34	324.30
22 34 36 13-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	2,552.36	324.30

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0027		**Removal And Reinstallation Of Water Heater** *(22 34 36 13)* Note: Includes storage and cleaning.		
22 34 36 13-0028	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	589.63	
22 34 36 13-0029	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,559.12	
22 34 36 19		**Commercial, Power-Vent, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 19-0001		**Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN)** *(22 34 36 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,832.72	389.16
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	8,343.11	389.16
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	10,174.52	454.01
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	10,590.65	518.88
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	10,641.20	518.88
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	10,877.07	518.88
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	12,766.76	570.77
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	12,000.84	583.73
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	14,762.77	642.11
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	12,580.39	713.46
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	15,418.82	784.80
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	12,849.96	713.46
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	15,587.30	784.80
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	14,411.80	778.31
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	16,943.07	856.14
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	17,461.34	778.31
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	20,144.25	856.14
22 34 36 19-0019		**Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH)** *(22 34 36 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	4,518.55	389.16
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	6,068.59	389.16
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	7,349.06	389.16
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	10,594.37	428.07
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	10,848.45	454.01
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	13,685.52	499.42
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	11,011.86	518.88
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	14,097.78	570.77
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	12,725.32	583.73
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	15,487.24	642.11
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	20,271.13	784.80
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	21,306.78	856.14
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	24,515.86	927.48
22 34 36 23		**Commercial, High-Efficiency, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 23-0001		**Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm)** *(22 34 36 23)* Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	98,143.25	1,703.67
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	118,742.26	1,810.16
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	144,366.32	1,916.63
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	172,667.06	2,023.12
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	180,980.71	2,129.59

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 23-0007		**Gas Fired Volume Water Heater (Laars Mighty Therm)** *(22 34 36 23)*		
22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,175.16	955.99
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,205.64	1,075.49
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,283.99	1,314.49
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,320.16	1,433.99
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	24,539.86	1,672.99
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	28,070.70	1,911.99
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	31,005.78	2,150.99
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	37,087.21	2,389.99
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	38,480.81	2,509.48
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	41,287.78	2,628.98
22 34 36 23-0018		**Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm)** *(22 34 36 23)*		
		Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.		
22 34 36 23-0019	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	20,503.09	716.87
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0020	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	23,803.91	955.99
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0021	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	31,179.82	1,075.49
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0022	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	39,158.78	1,314.49
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0023	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	46,280.20	1,433.99
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0024	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	52,342.79	1,553.49
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0025	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	62,856.41	1,672.99
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0026	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	69,669.00	1,792.49
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0027	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	91,679.30	1,911.99
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0028	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	123,248.10	2,509.48
		For Skid Mounting, Add	*950.00*	
22 34 36 26		**Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 26-0001		**Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters** *(22 34 36 26)*		
22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	36,990.96	1,816.39
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	52,182.63	2,007.58
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	56,614.17	2,103.18
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	61,321.31	2,294.38
22 34 36 26-0006		**Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters** *(22 34 36 26)*		
22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,828.66	1,816.39
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	36,267.22	2,007.58
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,637.10	2,103.18
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	43,066.10	2,294.38
22 34 36 26-0011		**Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters** *(22 34 36 26)*		
22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,478.00	860.39
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,328.21	955.99
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,958.59	1,147.19
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,402.74	1,194.99
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,983.90	1,433.99
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,940.01	1,720.79
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,786.21	1,816.39
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	26,358.77	1,959.79
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	28,762.48	2,055.39
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,857.28	2,103.18
22 34 36 26-0022		**Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters** *(22 34 36 26)*		
22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	23,965.73	1,433.99
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	26,452.39	1,720.79
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,648.39	1,959.79
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,629.91	2,055.39
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	34,123.45	2,103.18

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 26-0028		Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,823.06	1,720.79
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,794.14	1,959.79
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,937.89	2,103.18

22 34 46 Oil-Fired Domestic Water Heaters *(22 34)*

22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters *(22 34 46)*

22 34 46 11-0001		Oil-Fired Domestic Water Heaters *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	3,853.11	199.77
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	3,806.79	199.77
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	3,955.62	199.77
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	4,145.96	204.95
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	5,155.86	210.14
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	4,419.88	210.14
22 34 46 11-0008		Oil-Fired Commercial Water Heaters *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E)	5,869.67	311.32
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E)	6,838.64	311.32
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E)	6,875.92	311.32
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E)	9,603.60	415.09
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E)	13,505.02	518.88
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E)	16,784.82	570.77

22 35 Domestic Water Heat Exchangers *(22 30)*

22 35 23 Circulating, Domestic Water Heat Exchangers *(22 35)*

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers *(22 35 23)*

22 35 23 13-0001		Steam Driven Water Heaters *(22 35 23 13)*		
22 35 23 13-0002		Constant Flow *(22 35 23 13-0001)*		
22 35 23 13-0003	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow	6,621.54	648.59
22 35 23 13-0004	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow	8,266.72	794.78
22 35 23 13-0005	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow	10,597.79	1,039.44
22 35 23 13-0006	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow	14,350.06	1,447.79
22 35 23 13-0007	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow	21,231.39	2,384.49
22 35 23 13-0008	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow	23,162.40	2,702.43
22 35 23 13-0009	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow	30,296.80	3,118.17
22 35 23 13-0010	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow	36,438.49	3,685.17
22 35 23 13-0011		Variable Flow *(22 35 23 13-0001)*		
22 35 23 13-0012	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow	10,041.28	1,264.75
22 35 23 13-0013	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow	11,406.05	1,544.30
22 35 23 13-0014	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow	14,556.17	1,996.88
22 35 23 13-0015	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow	19,127.63	2,786.09
22 35 23 13-0016	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow	28,659.23	4,659.49
22 35 23 13-0017	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow	34,754.59	5,131.28
22 35 23 13-0018	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow	40,273.25	6,005.45
22 35 23 13-0019	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow	50,900.40	7,174.73

22 40 Plumbing Fixtures *(22)*

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures *(22 40)*

22 41 39 Residential Faucets, Supplies, and Trim *(22 41)*

22 41 39 00-0001		Residential Kitchen Faucets *(22 41 39)*		
22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	215.30	59.72
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	247.75	59.72
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	247.75	59.72
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	238.79	59.72
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	256.22	59.72
22 41 39 00-0007		Residential Lavatory Faucets *(22 41 39)*		
22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	195.47	43.00
		For Faucet With Brass Pop-Up, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	195.47	43.00
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	142.10	43.00
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	
22 41 39 00-0011		**Residential Bath And Shower Faucets** *(22 41 39)*		
22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	254.04	51.84
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	298.43	51.84
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	234.70	51.84
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	258.60	51.84
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	286.79	32.43
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	239.25	32.43
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	268.09	32.43
22 41 39 00-0019		**Residential Laundry Faucets** *(22 41 39)*		
22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	168.85	38.13
22 41 39 00-0021		**Residential Laundry/Wash Basin Faucets** *(22 41 39)*		
22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	170.19	38.13
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	241.85	42.03
22 41 39 00-0024		**Other Residential Faucets** *(22 41 39)*		
22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	46.56	9.73

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001		**Vitreous China Water Closets** *(22 42 13 13)*		
		Note: With a 2" ball pass.		
22 42 13 13-0002		**Floor Mounted Elongated Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	705.61	124.22
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	815.08	124.22
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	1,014.52	124.22
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	922.04	124.22
22 42 13 13-0007	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	869.82	124.22
22 42 13 13-0008	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	873.41	124.22
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	697.59	124.22
22 42 13 13-0010	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	737.90	124.22
22 42 13 13-0011		**Wall Hung Elongated Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	819.53	152.89
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	978.99	152.89
22 42 13 13-0014	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,195.42	152.89
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	822.38	152.89
22 42 13 13-0016	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,165.98	152.89
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	892.60	152.89
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	783.29	152.89
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	814.97	152.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0020		**Floor Mounted Elongated Handicapped Water Closets** *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	713.57	124.22
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	727.41	124.22
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	788.44	124.22
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	863.93	124.22
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	860.79	124.22
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,101.76	124.22
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	950.76	124.22
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	775.73	124.22
22 42 13 13-0029	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	883.16	124.22
22 42 13 13-0030	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	969.72	124.22
22 42 13 13-0031	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	786.47	124.22
22 42 13 13-0032	EA	2 Piece Tank Type, High Eficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	769.50	124.22
22 42 13 13-0033	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL)	743.97	124.22
22 42 13 13-0034		**Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets** *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	783.53	124.22
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	720.48	124.22
22 42 13 13-0037	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	818.64	124.22
22 42 13 13-0038		**Floor Mounted Round Bowl Vitreous China Water Closets** *(22 42 13 13-0001)*		
22 42 13 13-0039	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	743.96	124.22
22 42 13 13-0040	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	775.28	124.22
22 42 13 13-0041		**Stainless Steel Water Closets** *(22 42 13 13)*		
22 42 13 13-0042	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,634.19	268.75
22 42 13 13-0043	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,764.14	268.75
22 42 13 13-0044		**Water Closet Carriers** *(22 42 13 13)*		
22 42 13 13-0045		**Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0044)* Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0046	EA	Pipe Grip Adaptor Type, Water Closet Carrier	753.50	63.06
22 42 13 13-0047		**No-Hub, Water Closet Carriers** *(22 42 13 13-0044)* Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0048	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	1,192.17	63.06
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.41*	
		For Supply Pipe Support, Add	*69.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*293.72*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0049	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	1,192.17	63.06
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.41*	
		For Supply Pipe Support, Add	*69.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*293.72*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0050	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,306.25	63.06
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.41*	
		For Supply Pipe Support, Add	*69.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*293.72*	
		For Horizontal No Hub Cast Long Barrel, Add	*306.73*	
		For Carrier For Wide Chase Installations, Add	*396.38*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0051	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	1,452.47	63.06
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.41*	
		For Supply Pipe Support, Add	*69.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*234.43*	
		For Auxiliary Inlet, Add	*293.72*	
		For Carrier For Wide Chase Installations, Add	*396.38*	
		For Double 4" Branches, Add	*470.45*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0052	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,993.55	92.56
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.76*	
		For Supply Pipe Support, Add	*146.99*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*311.64*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0053	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,051.41	92.56
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.76*	
		For Supply Pipe Support, Add	*146.99*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*311.64*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0054	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,512.56	92.56
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.76*	
		For Supply Pipe Support, Add	*146.99*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*243.39*	
		For Auxiliary Inlet, Add	*311.64*	
		For Double 4" Branches, Add	*488.37*	
		For Carrier For Wide Chase Installations, Add	*846.51*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0055	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	2,361.52	92.56
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.76*	
		For Supply Pipe Support, Add	*146.99*	
		For Vandal Proof Trim, Add	*183.20*	
		For Horizontal No Hub Cast Long Barrel, Add	*315.69*	
		For Carrier For Wide Chase Installations, Add	*846.51*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0056 Hub And Spigot, Water Closet Carriers *(22 42 13 13-0044)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0057	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,091.66	63.06
		For Positioning Frame, Add	*67.41*	
		For Supply Pipe Support, Add	*69.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
		For Auxiliary Inlet, Add	*293.72*	
22 42 13 13-0058	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,192.17	63.06
		For Positioning Frame, Add	*67.41*	
		For Supply Pipe Support, Add	*69.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*293.72*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0059	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,507.10	63.06
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.41*	
		For Supply Pipe Support, Add	*69.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*234.43*	
		For Auxiliary Inlet, Add	*293.72*	
		For Carrier For Wide Chase Installations, Add	*396.38*	
		For Double 4" Branches, Add	*470.45*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0060	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,821.57	92.56
		For Positioning Frame, Add	*143.76*	
		For Supply Pipe Support, Add	*146.99*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*311.64*	
		For Hanger Type Closet Adapter, Add	*459.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0061	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	2,567.20	92.56
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.76*	
		For Supply Pipe Support, Add	*146.99*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*243.39*	
		For Auxiliary Inlet, Add	*311.64*	
		For Double 4" Branches, Add	*488.37*	
		For Carrier For Wide Chase Installations, Add	*846.51*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0062		**Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers** *(22 42 13 13-0044)*		
		Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0063	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	910.97	63.06
		For Positioning Frame, Add	*67.41*	
		For Supply Pipe Support, Add	*69.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
22 42 13 13-0064		**Institutional Water Closet Carriers** *(22 42 13 13-0044)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0065	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	3,312.78	92.56
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.76*	
		For Supply Pipe Support, Add	*146.99*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*311.64*	
22 42 13 13-0066		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 13)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0067	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	545.67	
22 42 13 13-0068	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	545.67	
22 42 13 13-0069	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	419.59	
22 42 13 13-0070	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	419.59	
22 42 13 16		**Commercial Urinals** *(22 42 13)*		
22 42 13 16-0001		**Vitreous China Urinals** *(22 42 13 16)*		
		Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002		**Wall Hung Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	643.50	127.81
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	769.19	127.81
22 42 13 16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	795.47	127.81
22 42 13 16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	834.08	127.81
22 42 13 16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	767.14	127.81
22 42 13 16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	661.09	127.81
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	785.60	127.81
22 42 13 16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	684.03	127.81
22 42 13 16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	733.39	127.81
22 42 13 16-0012	EA	Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	676.77	127.81
22 42 13 16-0013	EA	Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)	674.62	127.81
22 42 13 16-0014		**Floor Mounted Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	1,040.87	161.24
22 42 13 16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,150.26	161.24
22 42 13 16-0017	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	317.53	29.87
22 42 13 16-0018	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	359.50	29.87
22 42 13 16-0019		**Waterfree Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	676.33	89.59
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	1,275.17	89.59
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-111.33*	
22 42 13 16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	1,101.73	89.59
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-91.56*	
22 42 13 16-0023	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	850.81	89.59
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-62.95*	
22 42 13 16-0024	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	850.81	89.59
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-62.95*	
22 42 13 16-0025	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	1,048.15	89.59
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-85.45*	
22 42 13 16-0026	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,575.34	89.59
		For >1, Deduct	*-145.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0027		Stainless Steel Urinals *(22 42 13 16)*		
22 42 13 16-0028	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	2,707.29	268.75
22 42 13 16-0029	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	3,494.15	328.47
22 42 13 16-0030		Urinal Carriers *(22 42 13 16)*		
22 42 13 16-0031		Floor Mounted, Urinal Carriers *(22 42 13 16-0030)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	611.23	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0033	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	725.05	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0034		Wall Mounted, Urinal Carriers *(22 42 13 16-0030)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	283.17	45.39
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0036		Removal And Reinstallation Of Fixtures And Trim *(22 42 13 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	544.12	
22 42 16		**Commercial Lavatories and Sinks** *(22 42)*		
22 42 16 13		**Commercial Lavatories** *(22 42 16)*		
22 42 16 13-0001		Lavatories *(22 42 16 13)*		
		Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002		Wall Hung Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	596.47	80.02
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	623.28	80.02
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	773.42	80.02
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	547.60	80.02
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	472.70	80.02
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	596.03	80.02
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	701.33	80.02
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	560.21	80.02
22 42 16 13-0011	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	494.78	80.02
22 42 16 13-0012		Countertop Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	572.03	96.74
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	584.30	96.74
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	618.48	96.74
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	654.89	96.74
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	858.10	104.51
22 42 16 13-0018		Undermount Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0019	EA	15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	526.49	96.74
22 42 16 13-0020	EA	17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	501.39	96.74
22 42 16 13-0021	EA	19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	501.39	96.74
22 42 16 13-0022	EA	21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	532.00	96.74
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	516.66	96.74
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	512.03	96.74
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	516.74	96.74
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	620.67	96.74
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	620.67	96.74
22 42 16 13-0028		Pedestal Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	699.47	229.92
22 42 16 13-0030		Cultured Marble Vanity Tops *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	374.00	89.59
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	423.85	95.55
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	512.12	101.52
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	702.69	107.49
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	401.93	89.59
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	431.71	95.55
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	558.58	101.52
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	609.28	104.51
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	683.04	107.49
22 42 16 13-0040		Quartz Vanity Tops *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	811.83	89.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	848.28	95.55
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	976.84	101.52
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	984.48	104.51
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,075.17	107.49
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,441.70	113.47
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,703.27	119.42
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops	47.27	

22 42 16 13-0049 Solid Surface Vanity Tops *(22 42 16 13-0001)*

Note: Includes predrilled holes for faucet.

22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	679.76	89.59
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	765.07	95.55
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	861.71	101.52
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	949.53	104.51
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,029.87	107.49
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,135.60	110.48
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,265.21	113.47
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,297.28	113.47
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,401.43	119.42
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops	69.78	

22 42 16 13-0060 Stainless Steel Lavatories *(22 42 16 13-0001)*

22 42 16 13-0061	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,442.21	209.03

22 42 16 13-0062 Solid Surface Multi-Station Lavatory Systems *(22 42 16 13-0001)*

Note: ADA compliant. Includes integral faucets.

22 42 16 13-0063	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	7,018.61	164.75
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0064	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	10,301.97	164.75
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0065	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	471.61	54.92
22 42 16 13-0066	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	585.99	54.92
22 42 16 13-0067	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,168.56	54.92

22 42 16 13-0068 Lavatory Carriers *(22 42 16 13)*

22 42 16 13-0069 Floor Mounted, Lavatory Carriers *(22 42 16 13-0068)*

22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0069)*

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 42 16 13-0071	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	611.23	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*116.69*	
		For Corner Carrier, Add	*226.96*	
22 42 16 13-0072	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	725.05	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*116.69*	
22 42 16 13-0073	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	832.71	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*233.37*	
22 42 16 13-0074	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	956.44	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*233.37*	

22 42 16 13-0075 Floor Mounted, Lavatory Carriers With Arms *(22 42 16 13-0069)*

Note: Includes leveling and securing screws, structural uprights and welded feet.

22 42 16 13-0076	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	786.89	53.75
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*46.60*	
		For Valve Plate For Attaching To Upright, Add	*119.07*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0077	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	1,152.25	53.75
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*119.07*	
		For Heavy-Duty Carrier, Add	*117.29*	
22 42 16 13-0078	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	1,051.41	53.75
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*93.21*	
		For Valve Plate For Attaching To Upright, Add	*238.15*	
		For 2" Chrome Plated Escutcheons, Add	*228.16*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*414.56*	
22 42 16 13-0079	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	1,716.25	53.75
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Vandal Proof Trim, Add	*183.20*	
		For Valve Plate For Attaching To Upright, Add	*238.15*	
		For Heavy-Duty Carrier, Add	*234.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0080		Wall Mounted, Lavatory Carriers *(22 42 16 13-0068)*		
22 42 16 13-0081		Wall Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0080)* Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	283.17	45.39
		For Double Plate Carrier, Add	*88.26*	
22 42 16 13-0083		Wall Mounted Plate Type, Lavatory Carriers With Arms *(22 42 16 13-0080)* Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	482.20	53.75
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
22 42 16 13-0085	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	572.19	53.75
		For Movable Mounting Brackets, Deduct	*-86.76*	
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0086	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	850.17	53.75
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 13-0087		Removal And Reinstallation Of Lavatory And Trim *(22 42 16 13)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	351.30	
22 42 16 16		**Commercial Sinks** *(22 42 16)*		
22 42 16 16-0001		Sinks *(22 42 16 16)* Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002		Kitchen Sinks *(22 42 16 16-0001)*		
22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	746.54	112.27
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	962.87	127.81
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	939.36	109.89
		For 18 Gauge, Add	*245.73*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	963.19	109.89
		For 18 Gauge, Add	*257.64*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	1,016.78	109.89
		For 18 Gauge, Add	*284.44*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,066.84	112.27
		For 18 Gauge, Add	*302.31*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,346.68	127.81
		For 18 Gauge, Add	*419.43*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,375.47	127.81
		For 18 Gauge, Add	*433.61*	
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,325.47	109.89
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,352.27	109.89
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,419.77	109.89
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,512.50	112.27
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	1,832.05	127.81
22 42 16 16-0016	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	1,755.62	127.81
22 42 16 16-0017		Undermount Kitchen Sinks *(22 42 16 16-0001)*		
22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,182.46	109.89
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,179.57	109.89
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,192.39	109.89
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,259.88	109.89
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99) Note: Available in 4-1/2", 5, or 5-1/2" depths.	1,217.20	109.89
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99)	1,390.19	109.89
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99)	1,648.83	109.89
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A)	967.39	109.89
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A)	1,257.79	109.89
22 42 16 16-0027		Multi-Station Wash Sink, Wall Mounted *(22 42 16 16-0001)* Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	1,988.25	194.09
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,618.95	209.03
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,998.70	223.95
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,447.81	149.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,719.96	164.23
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,986.79	179.16
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,318.15	201.56
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	3,212.26	328.47
22 42 16 16-0036		**Utility Or Laundry Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	693.29	127.81
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	790.96	127.81
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	691.29	127.81
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,036.50	127.81
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,457.27	143.33
22 42 16 16-0042		**Refinish Sink/Lavatory** *(22 42 16 16-0001)*		
22 42 16 16-0043	EA	Refinish Sink/Lavatory	271.63	
22 42 16 16-0044		**Service Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	1,127.48	192.30
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	1,180.76	192.30
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,408.52	254.41
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	584.99	179.16
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	670.05	179.16
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	746.50	214.99
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	648.79	179.16
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	740.56	214.99
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	1,039.34	179.16
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	1,282.53	214.99
22 42 16 16-0055	EA	33" x 33" x 10", Type 304 Stainless Steel, ADA Mop Sink (IMC Teddy FS-ADA)	2,129.96	79.67
22 42 16 16-0056		**Stainless Steel Sink And Drainboard** *(22 42 16 16-0001)*		
22 42 16 16-0057	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,458.06	298.60
22 42 16 16-0058		**Soapstone Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0059	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,134.50	109.89
22 42 16 16-0060	SF	Soapstone Sink Backsplash	176.15	
22 42 16 16-0061	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,438.00	127.81
22 42 16 16-0062	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,672.36	127.81
22 42 16 16-0063		**Classroom Sinks** *(22 42 16 16-0001)* Note: Includes drain, trap and supply valves.		
22 42 16 16-0064	EA	25" x 17" x 6-1/2", 20 Gauge Stainless Steel, Top Mounting Type, 15-34" x 14" x 6-3/8" Deep Single Bowl, Drop-In Classroom ADA Sink (Elkay CDKAD2517654) Note: Includes single manual handle faucet, gooseneck faucet and basket strainer (LKD208513LC, LK1141A, LK35)	932.80	109.89
22 42 16 16-0065		**Sink Carriers** *(22 42 16 16)*		
22 42 16 16-0066		**Floor Mounted, Sink Carriers** *(22 42 16 16-0065)* Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0067	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	893.10	45.39
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*116.69*	
22 42 16 16-0068	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	1,528.46	45.39
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Vent, Add	*269.36*	
22 42 16 16-0069	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,920.55	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	*69.09*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 16-0070		**Removal And Reinstallation Of Sink And Trim** *(22 42 16 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0071	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	481.62	

22 42 19 Commercial Bathtubs *(22 42)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0001		**Recessed Alcove Bathtubs** *(22 42 19)*		
22 42 19 00-0002		**Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	1,553.67	332.05
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,343.87	332.05
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,558.94	332.05
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,980.89	332.05
22 42 19 00-0007		**Porcelain Enameled Steel, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	737.77	332.05
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	752.79	332.05
22 42 19 00-0010		**Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	1,048.56	332.05
22 42 19 00-0012		**Acrylic, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	1,104.06	332.05
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,258.61	332.05
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,282.07	332.05
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,267.65	332.05
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,319.52	332.05
22 42 19 00-0018		**Bathtub Refinishing** *(22 42 19 00-0001)*		
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	689.10	
22 42 19 00-0020		**Tub And Shower Combinations** *(22 42 19)*		
22 42 19 00-0021		**Acrylic Tub And Shower Combination** *(22 42 19 00-0020)*		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032)	1,342.13	118.62
		For 2 Piece Enclosure, Deduct	*-292.22*	
22 42 19 00-0023		**Fiberglass Tub And Shower Combination** *(22 42 19 00-0020)*		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	889.29	118.62
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	697.60	79.08
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,403.89	179.03
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	3,646.89	403.69
		For 2 Piece Enclosure, Deduct	*-759.96*	
22 42 23		**Commercial Showers** *(22 42)*		
22 42 23 00-0001		**Shower Enclosures** *(22 42 23)*		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		**Powder Coated Or Baked Enamel Steel Shower Enclosure** *(22 42 23 00-0001)*		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,813.42	192.65
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,813.42	192.65
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	2,727.42	192.65
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	2,998.76	192.65
22 42 23 00-0007		**Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure** *(22 42 23 00-0001)*		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,970.20	192.65
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,970.20	192.65
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	4,255.51	192.65
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	4,755.35	192.65
22 42 23 00-0012		**Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down** *(22 42 23 00-0001)*		
22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,522.24	192.65
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,564.42	192.65
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,606.61	192.65
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,690.98	192.65
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,802.78	192.65
22 42 23 00-0018		**1 Piece Shower Units** *(22 42 23)*		
22 42 23 00-0019	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232)	1,293.77	118.62
22 42 23 00-0020	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636)	1,448.67	118.62
22 42 23 00-0021		**Personnel Type Shower Receptors** *(22 42 23)*		
22 42 23 00-0022		**Acrylic Shower Receptors** *(22 42 23 00-0021)*		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor	478.79	48.65
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor	505.20	48.65
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor	557.93	48.65
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor	678.28	58.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor	480.03	48.65
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor	514.76	48.65
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor	579.37	48.65
22 42 23 00-0030	EA	60" x 30" Acrylic Shower Receptor	936.02	128.45
22 42 23 00-0031	EA	60" x 32" Acrylic Shower Receptor	645.41	58.38
22 42 23 00-0032	EA	60" x 36" Acrylic Shower Receptor	649.88	58.38
22 42 23 00-0033	EA	60" x 42" Acrylic Shower Receptor	653.98	58.38
22 42 23 00-0034	EA	60" x 48" Acrylic Shower Receptor	718.18	58.38
22 42 23 00-0035	EA	36" x 36" Acrylic Corner Shower Receptor	690.46	48.65
22 42 23 00-0036	EA	42" x 42" Acrylic Corner Shower Receptor	790.13	48.65
22 42 23 00-0037	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,276.42	122.03

22 42 23 00-0038 Molded Stone Shower Receptors *(22 42 23 00-0021)*

22 42 23 00-0039	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	325.23	48.65
22 42 23 00-0040	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	340.13	48.65
22 42 23 00-0041	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	341.79	48.65
22 42 23 00-0042	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	415.46	48.65
22 42 23 00-0043	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	370.76	48.65
22 42 23 00-0044	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	391.46	48.65
22 42 23 00-0045	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	393.94	48.65
22 42 23 00-0046	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	457.00	58.38
22 42 23 00-0047	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	472.73	58.38
22 42 23 00-0048	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	374.90	48.65
22 42 23 00-0049	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	384.01	48.65

22 42 23 00-0050 Precast Terrazzo Shower Receptors *(22 42 23 00-0021)*

22 42 23 00-0051	EA	30" x 30" Precast Terrazzo Shower Receptor	595.10	48.65
22 42 23 00-0052	EA	32" x 32" Precast Terrazzo Shower Receptor	617.45	48.65
22 42 23 00-0053	EA	34" x 34" Precast Terrazzo Shower Receptor	638.15	48.65
22 42 23 00-0054	EA	36" x 36" Precast Terrazzo Shower Receptor	640.63	48.65
22 42 23 00-0055	EA	40" x 40" Precast Terrazzo Shower Receptor	699.41	48.65
22 42 23 00-0056	EA	42" x 42" Precast Terrazzo Shower Receptor	729.21	48.65
22 42 23 00-0057	EA	48" x 48" Precast Terrazzo Shower Receptor	1,017.29	48.65
22 42 23 00-0058	EA	36" x 32" Precast Terrazzo Shower Receptor	633.18	48.65
22 42 23 00-0059	EA	42" x 32" Precast Terrazzo Shower Receptor	645.05	48.65
22 42 23 00-0060	EA	42" x 34" Precast Terrazzo Shower Receptor	666.29	48.65
22 42 23 00-0061	EA	42" x 36" Precast Terrazzo Shower Receptor	692.78	48.65
22 42 23 00-0062	EA	32" x 48" Precast Terrazzo Shower Receptor	695.27	48.65
22 42 23 00-0063	EA	48" x 34" Precast Terrazzo Shower Receptor	729.21	48.65
22 42 23 00-0064	EA	54" x 32" Precast Terrazzo Shower Receptor	763.15	48.65
22 42 23 00-0065	EA	60" x 30" Precast Terrazzo Shower Receptor	1,028.72	58.38
22 42 23 00-0066	EA	60" x 32" Precast Terrazzo Shower Receptor	1,122.65	58.38
22 42 23 00-0067	EA	60" x 34" Precast Terrazzo Shower Receptor	1,127.26	58.38
22 42 23 00-0068	EA	60" x 36" Precast Terrazzo Shower Receptor	1,131.84	58.38
22 42 23 00-0069	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	643.94	48.65
22 42 23 00-0070	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	645.05	48.65
22 42 23 00-0071	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	647.25	48.65
22 42 23 00-0072	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	772.25	48.65
22 42 23 00-0073	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,388.98	48.65
22 42 23 00-0074	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,548.07	58.38
22 42 23 00-0075	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,612.64	58.38

22 42 23 00-0076 Shower Receptors Accessories *(22 42 23 00-0021)*

22 42 23 00-0077	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	4.19	

22 42 23 00-0078 Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 23 00-0079	EA	Removal And Reinstallation Of Shower Head	58.38	

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001 Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	9,738.11	192.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	5,039.57	192.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,669.01	192.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	12,411.48	219.66
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,813.60	219.66
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	10,381.88	219.66
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	8,496.41	164.75
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,595.82	164.75
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	6,582.17	164.75
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	10,425.54	192.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,542.36	192.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	7,828.18	192.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 39 Commercial Faucets, Supplies, and Trim *(22 42)*

22 42 39 00-0001 Other Trim *(22 42 39)*

22 42 39 00-0002	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	21.43	6.49
22 42 39 00-0003	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	143.59	19.46
22 42 39 00-0004	EA	Deck Mount, Single Inlet Spout (Chicago Faucet 626-E3)	264.10	75.24
22 42 39 00-0005	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 786 ABCP)	663.52	75.24
22 42 39 00-0006	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)	67.98	17.92
22 42 39 00-0007	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	70.85	17.92
22 42 39 00-0008	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield)	170.68	17.92
22 42 39 00-0009	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	207.60	17.92
22 42 39 00-0010	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	234.42	17.92
22 42 39 00-0011	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036)	42.64	12.54
22 42 39 00-0012	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037)	42.64	12.54
22 42 39 00-0013	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558)	58.64	12.54
22 42 39 00-0014	PR	Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	40.56	13.78
22 42 39 00-0015	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	25.22	8.11
22 42 39 00-0016	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	25.94	8.11

22 42 39 00-0017 Kitchen Faucets *(22 42 39)*

22 42 39 00-0018	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	231.87	59.72
22 42 39 00-0019	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	261.61	59.72
22 42 39 00-0020	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	222.15	59.72
22 42 39 00-0021	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)	249.94	59.72
22 42 39 00-0022	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	216.15	59.72
22 42 39 00-0023	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	237.11	59.72
22 42 39 00-0024	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	307.72	59.72
22 42 39 00-0025	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	219.11	59.72
22 42 39 00-0026	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	211.18	59.72
22 42 39 00-0027	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	249.95	59.72
22 42 39 00-0028	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	429.56	59.72
22 42 39 00-0029	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	471.20	59.72
22 42 39 00-0030	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	443.96	64.86
22 42 39 00-0031	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	441.93	64.86
22 42 39 00-0032	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	329.89	64.86
22 42 39 00-0033	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	761.88	59.72
22 42 39 00-0034	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	963.95	59.72
22 42 39 00-0035	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	1,031.31	59.72
22 42 39 00-0036	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	761.88	59.72
22 42 39 00-0037	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	963.95	59.72
22 42 39 00-0038	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	1,031.31	59.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0039		**Lavatory Faucets** *(22 42 39)*		
22 42 39 00-0040	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	281.50	43.00
22 42 39 00-0041	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF)	195.47	43.00
22 42 39 00-0042	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	242.53	43.00
22 42 39 00-0043	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	266.00	43.00
22 42 39 00-0044	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	326.61	43.00
22 42 39 00-0045	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	380.44	43.00
22 42 39 00-0046	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	232.41	43.00
22 42 39 00-0047	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	353.58	43.00
22 42 39 00-0048	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	254.92	43.00
22 42 39 00-0049	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	260.82	43.00
22 42 39 00-0050	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	314.88	43.00
22 42 39 00-0051	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	308.49	43.00
22 42 39 00-0052	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	252.10	43.00
22 42 39 00-0053	EA	8" Widespread, Chrome, Two Wrist Blade Handle Bar/Pantry Gooseneck Lavatory Faucet (Moen 8248)	435.41	43.00
22 42 39 00-0054	EA	4", Chrome, Two Wrist Blade Handle Bar Gooseneck Lavatory Faucet (Moen 8938)	257.71	43.00
22 42 39 00-0055	EA	Two Hole, Chrome, Single Handle Lavatory Faucet (Moen 8420)	306.77	43.00
22 42 39 00-0056	EA	Single Hole, Chrome, Single Handle Lavatory Faucet (Moen 8417)	408.82	43.00
22 42 39 00-0057	EA	8" Widespread, Chrome, Two Wrist Blade Handle Lavatory Gooseneck Lavatory Faucet With Drain Assembly (Moen 8246)	524.45	43.00
22 42 39 00-0058		**Bath And Shower Faucets** *(22 42 39)*		
22 42 39 00-0059		**Bath And Shower Faucets With Valve Body** *(22 42 39 00-0058)*		
22 42 39 00-0060	EA	Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	260.87	51.84
22 42 39 00-0061	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	305.26	51.84
22 42 39 00-0062	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	333.71	51.84
22 42 39 00-0063	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	241.53	51.84
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0064	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	252.91	51.84
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0065	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	285.91	51.84
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0066	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	323.47	51.84
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0067		**Shower Valves And Trim** *(22 42 39)*		
		See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0068	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	423.81	80.63
22 42 39 00-0069	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	944.71	80.63
22 42 39 00-0070	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	657.76	80.63
22 42 39 00-0071	EA	Senior Institutional Shower Head (Symmons® 4-150)	253.76	51.84
22 42 39 00-0072	EA	Universal Institutional Shower Head (Symmons® 4-151)	423.22	51.84
22 42 39 00-0073	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	298.37	51.84
22 42 39 00-0074	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	225.31	51.84
22 42 39 00-0075	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	944.94	77.64
22 42 39 00-0076	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	776.35	89.59
22 42 39 00-0077	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	1,023.66	89.59
22 42 39 00-0078	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	1,440.06	95.55
22 42 39 00-0079	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	1,308.47	80.63
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0080	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	1,555.43	80.63
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0081	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	1,059.51	80.63
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0082	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,598.85	80.63
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0083	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,715.11	80.63
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0084	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	3,163.16	80.63
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0085	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	2,763.29	80.63
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0086	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	1,387.66	80.63
22 42 39 00-0087	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	2,129.49	80.63
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0088	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	1,385.80	80.63
22 42 39 00-0089	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	1,381.70	80.63
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0090	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	1,019.62	71.67
22 42 39 00-0091	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	787.87	51.84

22 42 39 00-0092 Service Sink Faucets *(22 42 39)*

22 42 39 00-0093	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	561.76	99.43
22 42 39 00-0094	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235)	403.11	99.43
22 42 39 00-0095	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	433.83	99.43
22 42 39 00-0096	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	449.77	99.43
22 42 39 00-0097	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	588.02	139.39
22 42 39 00-0098	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	658.84	158.86
22 42 39 00-0099	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	758.99	158.86
22 42 39 00-0100	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	446.41	99.43
22 42 39 00-0101	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	910.13	158.86
22 42 39 00-0102	EA	Wall Mounted Mixing Faucet With Integral Stop, Vacuum Breaker, And Wall Brass (Fiat 830-AA)	399.69	99.43
22 42 39 00-0103	EA	30" Long, 5/8" Rubber Hose And Stainless Steel Hose Bracket (Fiat 832-AA)	61.89	8.96
22 42 39 00-0104	EA	Stainless Steel Mop Hanger (Fiat 889-CC)	136.18	11.95
22 42 39 00-0105	EA	1/2" Thermostatic Mixing Valve (Watts 1170-US/UT)	437.95	158.86

22 42 39 00-0106 Laboratory Faucets And Fittings *(22 42 39)*

22 42 39 00-0107	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	228.10	42.29
22 42 39 00-0108	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	372.88	59.72
22 42 39 00-0109	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	482.40	59.72
22 42 39 00-0110	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	297.59	55.77
22 42 39 00-0111	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	404.59	79.55
22 42 39 00-0112	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	547.38	79.55
22 42 39 00-0113	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	437.70	59.72
22 42 39 00-0114	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	430.54	79.55
22 42 39 00-0115	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	281.69	45.92
22 42 39 00-0116	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	396.86	64.86
22 42 39 00-0117	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	306.37	64.86
22 42 39 00-0118	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP)	373.53	64.86
22 42 39 00-0119	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	98.42	39.89
22 42 39 00-0120	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	605.60	71.67
22 42 39 00-0121	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	778.11	71.67
22 42 39 00-0122	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	935.28	71.67
22 42 39 00-0123	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	827.35	71.67
22 42 39 00-0124	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	984.73	71.67
22 42 39 00-0125	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	168.01	39.42
22 42 39 00-0126	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	235.18	47.30
22 42 39 00-0127	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	235.18	47.30
22 42 39 00-0128	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	302.35	55.18
22 42 39 00-0129	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	369.52	63.06

22 42 39 00-0130 Laboratory Countertop Faucets *(22 42 39)*

Note: Includes final connection. Excludes rough-in.

22 42 39 00-0131	EA	6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L391)	234.21	32.43
22 42 39 00-0132	EA	6" Gooseneck Deck Mount Hot And Cold Valve Faucet (Fisher Hamilton 32L406)	317.85	32.43
22 42 39 00-0133	EA	Deionozed Water 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L512)	321.20	32.43
22 42 39 00-0134	EA	Turret Deck Mount Air Or Gas Valve (Fisher Hamilton 30L535)	107.40	19.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0135		**Gooseneck Faucets With Independent Eyewash** *(22 42 39)*		
22 42 39 00-0136	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	940.92	44.79
22 42 39 00-0137	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	1,019.85	41.80
22 42 39 00-0138	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,316.33	44.79
22 42 39 00-0139	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,390.23	44.79
22 42 39 00-0140	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,688.20	29.87
22 42 39 00-0141	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	2,035.77	74.65
22 42 39 00-0142	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,841.95	74.65
22 42 39 00-0143	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,936.00	74.65
22 42 39 00-0144	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	369.93	45.40
22 42 39 00-0145	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	408.40	45.40
22 42 39 00-0146	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	442.01	45.40
22 42 39 00-0147	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	1,996.42	29.87
22 42 39 00-0148		**Bubblers And Glass Fillers** *(22 42 39)*		
22 42 39 00-0149	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	401.09	42.29
22 42 39 00-0150	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	358.18	55.77
22 42 39 00-0151	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	395.64	42.29
22 42 39 00-0152	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	245.83	60.58
22 42 39 00-0153	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	469.36	45.92
22 42 39 00-0154	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	475.62	45.92
22 42 39 00-0155	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	396.52	45.92
22 42 39 00-0156		**Automatic Electronic Sensor Faucets** *(22 42 39)*		
22 42 39 00-0157	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	734.29	99.61
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0158	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	741.12	99.61
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0159	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	992.52	108.18
22 42 39 00-0160	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,033.88	99.61
22 42 39 00-0161	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,533.27	108.18
22 42 39 00-0162	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,918.06	108.18
22 42 39 00-0163	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,791.88	108.18
22 42 39 00-0164	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	1,251.99	99.61
22 42 39 00-0165	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,082.36	99.61
22 42 39 00-0166	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,143.21	99.61
22 42 39 00-0167	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	991.08	99.61
22 42 39 00-0168	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	1,143.21	99.61
22 42 39 00-0169	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	999.55	99.61
22 42 39 00-0170	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	999.55	99.61
22 42 39 00-0171	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,124.66	99.61
22 42 39 00-0172	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	954.74	99.61
22 42 39 00-0173	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	916.35	99.61
22 42 39 00-0174	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	1,497.95	99.61
22 42 39 00-0175	EA	Single Hole, Chrome, Sensor Operated, Battery Or A/C Powered Lavatory Faucet (Moen 8554AC)	1,055.43	99.14
22 42 39 00-0176	EA	Single Hole, Chrome, Sensor Operated, Battery Powered Gooseneck Faucet (Moen CA8303)	1,035.34	99.14
22 42 39 00-0177	EA	4", Chrome, Sensor Operated, Battery Powered Lavatory Faucet (Moen CA8301)	963.51	99.14
22 42 39 00-0178	EA	Single Hole, Chrome, Sensor Operated, Battery Powered Lavatory Faucet (Moen CA8302)	952.78	99.14
22 42 39 00-0179		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 39)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0180	EA	Removal And Reinstallation Of Faucet	103.77	
22 42 43		**Flushometers** *(22 42)*		
22 42 43 00-0001		**Water Closet Flush Valves** *(22 42 43)*		
22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	339.61	40.73
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	328.89	40.73
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	382.71	40.73
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	528.26	40.73
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	588.74	40.73
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	1,085.31	40.73
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	1,084.33	40.73
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	1,145.34	40.73
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	1,063.43	40.73
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)	466.56	40.73
		Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	846.30	40.73
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	461.57	40.73
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	459.35	40.73
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	465.87	35.83
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	506.98	35.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0017	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan Royal Optima 110 Smooth)	723.57	40.73
22 42 43 00-0018	EA	Automatic Water Closet And Urinal Cleaning System	464.34	59.72
22 42 43 00-0019	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	1,101.08	40.73
22 42 43 00-0020	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	1,207.40	40.73
22 42 43 00-0021	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,536.23	40.73
22 42 43 00-0022	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,536.23	40.73
22 42 43 00-0023	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	995.02	40.73
22 42 43 00-0024	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	986.65	40.73
22 42 43 00-0025	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	488.95	35.83
22 42 43 00-0026	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	151.11	6.49
22 42 43 00-0027	EA	Exposed Battery Powered Water Closet Flush Valve (Moen 8310DF16)	905.24	40.61
22 42 43 00-0028	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	570.70	40.73
22 42 43 00-0029	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	365.77	40.73
22 42 43 00-0030	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	1,011.36	40.73

22 42 43 00-0031 Urinal Flush Valves *(22 42 43)*

22 42 43 00-0032	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	288.07	40.73
22 42 43 00-0033	EA	1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	310.63	40.73
22 42 43 00-0034	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	418.39	40.73
22 42 43 00-0035	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	507.16	40.73
22 42 43 00-0036	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	799.78	40.73
22 42 43 00-0037	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,076.01	40.73
22 42 43 00-0038	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,207.58	40.73
22 42 43 00-0039	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	786.58	40.73
22 42 43 00-0040	EA	Foot Operated Flush Valve Note: Can be used for water closets.	889.04	40.73
22 42 43 00-0041	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	1,200.55	40.73
22 42 43 00-0042	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	510.98	40.73
22 42 43 00-0043	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF) Note: 0.125 GPF.	330.41	40.73
22 42 43 00-0044	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	848.59	40.73
22 42 43 00-0045	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	854.48	40.73

22 42 43 00-0046 Removal And Reinstallation Of Fixtures And Trim *(22 42 43)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 43 00-0047	EA	Removal And Reinstallation Of Flush Valve	162.15	

22 42 43 00-0048 Plumbing Control Transformers *(22 42 43)*

22 42 43 00-0049	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	69.14	

22 42 46 Chemical Toilets *(22 42)*

Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.

22 42 46 00-0001 Standard Chemical Toilets *(22 42 46)*

22 42 46 00-0002 Small Tank Chemical Toilets *(22 42 46 00-0001)*

22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year	4,942.46	1,194.40
		For Extra Urinal, Add	*159.81*	

22 42 46 00-0004 Medium Tank Chemical Toilets *(22 42 46 00-0001)*

22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	5,874.47	1,422.55
		For Extra Urinal, Add	*189.31*	

22 42 46 00-0006 Large Tank Chemical Toilets *(22 42 46 00-0001)*

22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	7,042.65	1,613.64
		For Extra Urinal, Add	*252.81*	

22 43 Healthcare Plumbing Fixtures *(22 40)*

22 43 13 Healthcare Water Closets *(22 43)*

22 43 13 00-0001 Healthcare Water Closets *(22 43 13)*

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	874.00	124.22
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	726.78	124.22
22 43 13 00-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Huron)	870.93	124.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 13 00-0005	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Afwall ADA)	1,292.82	152.89

22 43 16 Healthcare Sinks *(22 43)*

22 43 16 00-0001 Healthcare Sinks *(22 43 16)*

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,231.66	80.02
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,342.91	229.92
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,183.85	80.02
		For Painted Bracket Supports, Add	*31.85*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,040.41	80.02

22 43 16 00-0006 Surgical Scrub Sinks *(22 43 16)*

22 43 16 00-0007	EA	25" Wide x 20" Deep x 43" High Single Surgical Scrub Sink (FHCSS25-IR) Note: Features infra red sensor operated water, under counter mixing valve, swivel gooseneck spout with aerator. Unit will be supported by a z-bracket and main support bracket supplied with the sink.	5,450.06	179.16
22 43 16 00-0008	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	8,353.14	238.88
22 43 16 00-0009	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	8,353.14	238.88
22 43 16 00-0010	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	11,024.25	298.60
22 43 16 00-0011	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	11,024.25	298.60
22 43 16 00-0012	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	14,391.27	358.32
22 43 16 00-0013	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	14,391.27	358.32
22 43 16 00-0014	EA	Single Chair Carrier (FHC P-617106-846)	585.11	89.59
22 43 16 00-0015	EA	Double Chair Carrier (FHC P-617106-851)	620.25	95.55
22 43 16 00-0016	EA	Triple Chair Carrier (FHC P-617106-852)	678.59	101.52
22 43 16 00-0017	EA	60" Wide x 23" Deep x 38-1/4" High, 2.2 GPM, Laminar Flow Spray Head, Chrome Color Finish, Wall Mounted, Stainless Steel Scrub Sink (Sloan ESS-2100-C)	13,246.90	119.44

22 43 23 Healthcare Showers *(22 43)*

22 43 23 00-0001 Gel-Coated Fiberglass Showers *(22 43 23)*

22 43 23 00-0002	EA	62" x 34" x 80" ADA/Special Needs, Gel Coat Fiberglass Barrier Free Shower Enclosure (Florestone 35-62H) Note: Includes stainless steel curtain rod, Symmons® pressure balance mixing valve with concealed check stops, Moen® hand-held shower head with hose and stainless steel slide bar/grab bar, stainless steel corner grab bar, stainless steel recessed soap dish, white naugahyde folding wheelchair transfer seat, and 2" brass drain.	3,220.69	238.88
22 43 23 00-0003	EA	Three Piece 62" x 34" x 80" ADA/Special Needs, Gel Coat Fiberglass Barrier Free Shower Enclosure (Florestone 35-62H) Note: Includes stainless steel curtain rod, Symmons® pressure balance mixing valve with concealed check stops, Moen® hand-held shower head with hose and stainless steel slide bar/grab bar, stainless steel corner grab bar, stainless steel recessed soap dish, white naugahyde folding wheelchair transfer seat, and 2" brass drain.	3,344.46	214.99

22 43 39 Healthcare Faucets *(22 43)*

22 43 39 00-0001 Medical Faucet Spouts *(22 43 39)*

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	105.08	17.92

22 43 39 00-0003 Centerset Medical Faucets *(22 43 39)*

22 43 39 00-0004	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	625.76	87.67
22 43 39 00-0005	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	632.87	87.67
22 43 39 00-0006	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	632.15	87.67
22 43 39 00-0007	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	564.59	87.67
22 43 39 00-0008	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	540.40	87.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0009		Electronic Proximity Medical Faucets *(22 43 39)*		
22 43 39 00-0010	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	590.69	87.67
22 43 39 00-0011		Bedpan Washers *(22 43 39)*		
22 43 39 00-0012	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,484.75	159.33
22 43 39 00-0013	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,410.28	159.33
22 43 39 00-0014	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	1,388.22	159.33
22 43 39 00-0015	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,366.77	159.33
22 43 39 00-0016		Foot And Knee Faucet Controls *(22 43 39)*		
22 43 39 00-0017	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	462.67	159.33
22 43 39 00-0018	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	541.20	159.33
22 43 39 00-0019	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,146.49	159.33
22 43 43		**Healthcare Plumbing Fixture Flushometers** *(22 43)*		
22 43 43 00-0001		Healthcare Plumbing Fixture Flushometers *(22 43 43)*		
22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	240.53	40.73
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	519.55	40.73
22 43 46		**Healthcare Patient Care Units** *(22 43)*		
22 43 46 00-0001		Patient Care Units *(22 43 46)*		
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	20,454.92	238.88
		For SDB Single Temperature Dialysis Box, Add	*1,493.89*	
		For DDB Dual Temperature Dialysis Box, Add	*1,586.67*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,162.35*	
		For LOCK Flush Valve Lockout Device, Add	*842.05*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	16,118.26	209.03
		For SDB Single Temperature Dialysis Box, Add	*1,493.89*	
		For DDB Dual Temperature Dialysis Box, Add	*1,586.67*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,162.35*	
		For LOCK Flush Valve Lockout Device, Add	*842.05*	
22 43 46 00-0004		Patient Care Plumbing Accessories *(22 43 46)*		
22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,949.43	32.43
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,147.53	32.43
22 45		**Emergency Plumbing Fixtures** *(22 40)*		
22 45 13		**Emergency Showers** *(22 45)*		
22 45 13 00-0001		Emergency Drench Showers *(22 45 13)*		
22 45 13 00-0002		Emergency Drench Showers (Haws) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	778.11	209.03
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	889.86	209.03
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	951.94	209.03
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,138.18	209.03
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,523.09	209.03
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,210.32	238.88
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,325.91	268.75
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,207.96	268.75
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,232.79	268.75
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,698.40	268.75
22 45 13 00-0013		Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	677.09	209.03
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	696.44	209.03
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	1,080.78	238.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0017		Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	979.02	209.03
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	1,003.55	209.03
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	2,204.92	209.03
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	1,568.94	268.75
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	2,124.00	268.75
22 45 13 00-0023		Emergency Drench Showers (Guardian) *(22 45 13 00-0001)*		
22 45 13 00-0024	EA	11-3/4" Bowl Diameter, 20 GPM, 2 Spray Heads, Height Impact Plastic, Flip Top Dust Covers, Pull Handle Activator, Emergency Wash Station Drench Shower (Guardian G1902P)	1,272.79	238.88
22 45 13 00-0025		Emergency Drench Showers (Hughes) *(22 45 13 00-0001)*		
22 45 13 00-0026	EA	41-5/16" Length x 40-13/16" Width x 94-13/16" Height, Covered ABS Eye/Face Wash, Emergency Cubicle Shower (Hughes SD32K45G)	10,321.62	238.88
22 45 13 00-0027	EA	30-13/16" Length x 19-13/16" Width x 103" Height, Floor Mounted, Closed ABS Bowl, Galvanized Pipe, Top Inlet, Floor Mounted, Emergency Shower Station (Hughes 18G45GT)	1,714.27	238.88
22 45 16		**Eyewash Equipment** *(22 45)*		
22 45 16 00-0001		Emergency Eyewash Equipment *(22 45 16)*		
22 45 16 00-0002		Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*		
22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	334.77	5.97
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,599.07	268.75
22 45 16 00-0005		Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*		
22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	1,003.40	59.72
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	1,003.40	59.72
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	1,021.99	59.72
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	1,021.99	59.72
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	1,363.22	59.72
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	1,555.46	59.72
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	1,555.46	59.72
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	2,896.19	59.72
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	2,896.19	59.72
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	3,031.45	59.72
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	3,031.45	59.72
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	3,743.24	59.72
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	3,743.24	59.72
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	1,820.62	209.03
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	1,794.39	209.03
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	1,277.27	209.03
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	1,822.61	209.03
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	1,082.57	209.03
22 45 16 00-0024		Emergency Eyewash Equipment (Fendall) *(22 45 16 00-0001)*		
22 45 16 00-0025	EA	7 Gallon Capacity, 15-minute Constant Flow, Plastic, Mounted Eyewash Station (Fendall H-3838) Note: Includes emergency sign, installation DVD, mounting bracket and tamper seal	700.99	64.86
22 45 16 00-0026		Emergency Eyewash Equipment (Porta Stream) *(22 45 16 00-0001)*		
22 45 16 00-0027	EA	26" Height x 20" Width x 20" Depth, 16 Gallon Capacity, Eyewash Station (Porta Stream II H-1142)	519.30	43.19
22 45 16 00-0028		Emergency Eyewash Equipment (Pure Flow) *(22 45 16 00-0001)*		
22 45 16 00-0029	EA	30" Height x 29" Width x 23" Depth, 0.4 GPM Constant Flow, 7 Gallon Capacity, Eyewash Station (Pure Flow 1000 H-1297)	673.78	64.86
22 45 16 00-0030		Emergency Eyewash Equipment (U-Line) *(22 45 16 00-0001)*		
22 45 16 00-0031	EA	11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Plastic, Mounted Eyewash Station (U-Line H-5457) Note: Includes emergency sign and inspection tag	777.31	259.43
22 45 16 00-0032	EA	11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Stainless Steel, Mounted Eyewash Station (U-Line H-5795) Note: Includes emergency sign and inspection tag	871.29	259.43
22 45 16 00-0033	EA	20" Height x 11" Width x 14" Depth, 3-minute Constant Flow, 1 Gallon Capacity, Pull Strap Activation, Wall Mounted Or Tabletop Use Flash Flood Eyewash Station (U-Line H-7917)	270.76	43.19
22 45 16 00-0034	EA	1" Head Diameter, Single Faucet With Easy Pull-knob, Faucet Mounted Eyewash Station (U-Line H-5100)	152.00	21.66
22 45 23		**Personal Eyewash Equipment** *(22 45)*		
22 45 23 00-0001		Portable Eyewash Equipment *(22 45 23)*		
22 45 23 00-0002		Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*		
22 45 23 00-0003	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921)	344.70	17.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H)	1,808.80	17.92
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671)	825.25	
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672)	984.45	

22 45 26 Eye/Face Wash Equipment *(22 45)*

22 45 26 00-0001 Emergency Eye/Face Wash Equipment *(22 45 26)*

22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*

22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) Note: Excludes p-trap and tailpiece.	838.71	149.31
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	846.40	209.03
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) Note: Excludes p-trap and tailpiece.	827.78	209.03
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) Note: Excludes p-trap and tailpiece.	901.03	209.03
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) Note: Excludes p-trap and tailpiece.	908.48	209.03
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) Note: Excludes p-trap and tailpiece.	996.64	209.03
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,349.26	209.03
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	2,528.80	209.03
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	1,036.49	238.88
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,179.28	238.88
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,619.56	238.88
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	696.80	59.72
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	671.96	59.72
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	703.00	59.72
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	883.04	59.72
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	2,161.65	298.60
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,607.15	238.88
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,683.13	298.60
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	3,141.05	238.88

22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*

22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	757.71	209.03
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	926.00	238.88

22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) *(22 45 26 00-0001)*

22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,619.49	209.03
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	2,164.83	209.03
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	2,095.50	209.03
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,930.07	209.03
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	1,057.52	59.72
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	1,057.52	59.72
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	1,025.25	59.72
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	1,025.25	59.72
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,579.71	59.72
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,579.71	59.72

22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) *(22 45 26 00-0001)*

Note: Includes one pull rod.

22 45 26 00-0037	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	5,763.46	209.03

22 45 29 Hand-Held Emergency Drench Hoses *(22 45)*

22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*

22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*

22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	745.29	74.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	857.04	74.65

22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) *(22 45 29 00-0001)*

22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	799.67	74.65
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	734.91	74.65
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	1,115.97	74.65
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	1,043.90	74.65
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	1,069.71	74.65
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,409.52	74.65
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,635.53	74.65
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,558.89	74.65

22 45 33 Combination Emergency Fixture Units *(22 45)*

22 45 33 00-0001 Emergency Shower With Eye/Face Wash *(22 45 33)*

22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*

22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,408.11	388.19
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	2,992.66	388.19
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,092.48	388.19
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,315.48	388.19
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,440.14	388.19
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,297.35	388.19
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,968.32	388.19
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,203.74	388.19
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,507.94	388.19
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,576.22	388.19
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,992.17	388.19
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	4,234.29	388.19
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	4,166.00	388.19
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	6,214.68	388.19
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,549.92	388.19
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	13,813.42	388.19
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,968.32	388.19
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,222.85	388.19

22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*

22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,822.12	388.19
22 45 33 00-0023	EA	3.18 GPM, 1-1/4" IPS Galvanized Steel Piping, Durajade Powder-Coat, Yellow Bowl Color, ADA compliant, Push-handle Activated, Pull-rod Shower, Brass Fittings, Floor Mounted, Combination Emergency Station (Speakman SE-697)	1,213.48	238.88

22 45 33 00-0024 Emergency Shower With Eye/Face Wash (WaterSaver) *(22 45 33 00-0001)*

22 45 33 00-0025	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	7,402.18	324.30
22 45 33 00-0026	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	7,566.54	324.30
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	2,934.68	324.30
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,678.99	324.30
22 45 33 00-0029	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	3,480.02	324.30

22 45 33 00-0030 Emergency Shower With Eye/Face Wash (Guardian) *(22 45 33 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0031	EA	Emergency Eye Wash Station With Plastic Bowl And Shower Head (Guardian H-5101)	1,415.35	259.43
22 45 33 00-0032	EA	Emergency Eye Wash Station With Stainless Steel Bowl And Shower Head (Guardian H-6618)	2,806.42	259.43
22 45 33 00-0033	EA	Emergency Eye Wash Station With Plastic Bowl And Shower Head (U-Line H-6697)	1,198.96	259.43
22 45 33 00-0034		Emergency Shower With Eye/Face Wash (Hughes) *(22 45 33 00-0001)*		
22 45 33 00-0035	EA	120 Volt, 35-13/64" Length x 14-45/64" Width x 104-1/2" Height, Freeze Protected, ABS Bowl, Floor Mounted, Emergency Shower Station (Hughes H5G45G-1H)	3,787.90	238.88
22 45 33 00-0036	EA	29-1/2" Length x 12-13/32" Width x 103" Height, Open ABS Bowl, Galvanized Pipe, Floor Mounted, Emergency Combination Shower (Hughes 18G75G)	1,458.31	238.88

22 45 36 Emergency Fixture Water-Tempering Equipment *(22 45)*

22 45 36 00-0001		Emergency Fixture Water-Tempering Equipment *(22 45 36)*		
22 45 36 00-0002		Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*		
22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	788.75	74.65
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,155.03	74.65
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,695.13	74.65
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,999.33	74.65
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,831.22	74.65
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,986.42	74.65
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	5,016.48	74.65
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	6,028.40	74.65
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	881.87	74.65

22 45 39 Emergency Plumbing Fixture Accessories *(22 45)*

22 45 39 00-0001		Emergency Plumbing Fixture Accessories *(22 45 39)*		
22 45 39 00-0002		Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*		
22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	202.97	23.89
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	283.68	23.89
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	296.09	23.89
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	328.33	8.96
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	334.77	5.97
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	365.34	11.95
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	644.77	89.59
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	661.47	38.96
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	984.30	38.96
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	1,155.03	89.59
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	2,194.88	38.96
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	2,432.55	129.86
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	2,482.22	129.86
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	4,605.40	129.86
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	8,764.84	129.86
22 45 39 00-0018		Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*		
22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,157.57	89.59
22 45 39 00-0020		Emergency Plumbing Fixture Accessories (WaterSaver) *(22 45 39 00-0001)*		
22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	211.97	19.46
22 45 39 00-0022		Emergency Plumbing Fixture Accessories (U-Liner) *(22 45 39 00-0001)*		
22 45 39 00-0023	EA	58" Height x 29" Width x 20" Depth, Portable Eyewash Stand (U-Line H-5193) Note: Includes eyewash station bolts to stand	179.57	16.22
22 45 39 00-0024	EA	12" Height x 18" Width, Aluminum, Corrosion Resistant With Engineer-grade Reflective Surface, Eyewash Sign (U-Line S-17343A)	69.53	16.22
22 45 39 00-0025	EA	7" Height x 10" Width, 0.055" Thick HDPE, Plastic, Eyewash Sign (U-Line S-17343P) Note: Includes pre-drilled mounting holes and 4 strips of double-sided mounting tape	41.78	10.37
22 45 39 00-0026	EA	7" Height x 10" Width,Vinyl, Eyewash Sign (U-Line S-17343V) Note: Includes 4 mil flexible vinyl with adhesive backing	33.13	10.37

22 47 Drinking Fountains and Water Coolers *(22 40)*

22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001		Indoor Drinking Fountains *(22 47 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0002		**Face Mounted Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	2,521.50	194.09
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	3,709.03	209.03
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	3,353.66	194.09
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	4,008.73	209.03
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,657.91	194.09
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,993.98	209.03
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,888.13	194.09
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	2,305.16	209.03
22 47 13 00-0011		**Wall Mounted Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,702.20	209.03
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	2,666.52	209.03
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF)	3,378.07	268.75
22 47 13 00-0015	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK)	3,618.31	268.75
22 47 13 00-0016	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK)	3,116.59	268.75
22 47 13 00-0017	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP)	2,840.09	268.75
22 47 13 00-0018	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	3,188.28	209.03
22 47 13 00-0019	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	3,080.77	209.03
22 47 13 00-0020	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK)	2,949.37	209.03
22 47 13 00-0021	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCDWSK)	2,829.91	209.03
22 47 13 00-0022	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK)	2,579.04	209.03
22 47 13 00-0023	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK)	2,471.53	209.03
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK)	2,352.07	209.03
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK)	2,352.07	209.03
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK)	2,244.56	209.03
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK)	2,244.56	209.03
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK)	2,196.78	209.03
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK)	2,196.78	209.03
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted Indoor Chillded Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK)	2,089.26	209.03
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK)	2,029.54	209.03
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP)	1,945.91	209.03
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK)	1,910.08	209.03
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,790.62	209.03
22 47 13 00-0035	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK)	2,029.54	209.03
22 47 13 00-0036	EA	Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,790.62	209.03
22 47 13 00-0037	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK)	1,895.91	209.03
22 47 13 00-0038	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP)	1,898.13	209.03
22 47 13 00-0039	EA	Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM)	1,563.67	149.31
22 47 13 00-0040	EA	Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF)	1,181.40	149.31
22 47 13 00-0041		**Semi-Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0042	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	2,314.76	223.95
22 47 13 00-0043	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	5,093.37	223.95
22 47 13 00-0044		**Fully Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0045	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	2,476.24	238.88
22 47 13 00-0046	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	4,607.95	238.88

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0047		Countertop Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0048	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	1,003.28	149.31
22 47 13 00-0049	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	963.15	149.31
22 47 13 00-0050	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	1,183.07	149.31
22 47 13 00-0051		Bowl And Bracket Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0052	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	836.34	149.31
22 47 13 00-0053	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	1,022.76	149.31
22 47 13 00-0054		Multi-Station Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0055	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	4,792.54	238.88
22 47 13 00-0056	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	6,057.38	238.88
22 47 13 00-0057	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	4,566.04	238.88
22 47 13 00-0058	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	3,832.63	238.88
22 47 13 00-0059	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	4,856.75	238.88
22 47 13 00-0060	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	4,182.55	304.72
22 47 13 00-0061	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,612.32	238.88
22 47 13 00-0062	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,513.39	238.88
22 47 13 00-0063		Outdoor Drinking Fountains *(22 47 13)*		
22 47 13 00-0064		Face Mounted Outdoor Drinking Fountains *(22 47 13 00-0063)*		
22 47 13 00-0065	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	2,146.91	238.88
22 47 13 00-0066	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	2,364.88	238.88
22 47 13 00-0067	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	2,270.24	238.88
22 47 13 00-0068	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	3,385.87	238.88
22 47 13 00-0069		Free Standing Outdoor Drinking Fountains *(22 47 13 00-0063)*		
22 47 13 00-0070	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	4,190.57	223.95
22 47 13 00-0071	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	5,929.99	223.95
22 47 13 00-0072	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	4,184.79	223.95
22 47 13 00-0073	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	5,818.89	223.95
22 47 13 00-0074	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	6,273.91	238.88
22 47 13 00-0075	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	6,390.06	238.88
22 47 13 00-0076	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	2,309.19	223.95
22 47 13 00-0077	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	4,064.38	223.95
22 47 13 00-0078	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	5,803.80	223.95
22 47 13 00-0079	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	6,843.20	238.88
22 47 13 00-0080	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	9,650.94	238.88
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		Indoor Water Coolers *(22 47 16)*		
22 47 16 00-0002		Face Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	4,815.55	238.88
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	5,149.67	238.88
22 47 16 00-0005		Wall Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	2,227.22	238.88
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	2,313.26	238.88
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	2,582.84	238.88
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,686.09	238.88
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,957.63	238.88
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	2,287.44	238.88
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,772.64	238.88
22 47 16 00-0013	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	2,993.80	358.32
22 47 16 00-0014	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,729.58	238.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0015		**Simulated Recessed Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,680.10	238.88
22 47 16 00-0017		**Fully Recessed Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	5,308.29	268.75
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	6,515.21	268.75
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	7,650.09	268.75
22 47 16 00-0021		**Free Standing Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	2,157.45	209.03
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	2,325.22	209.03
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	2,653.61	209.03
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,964.78	209.03
22 47 16 00-0026		**Bottled Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	722.58	119.44
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	876.68	119.44
22 47 16 00-0029		**Multi-Station Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	6,336.80	358.32
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	7,302.89	358.32
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	3,261.96	358.32
22 47 16 00-0033		**Outdoor Water Coolers** *(22 47 16)*		
22 47 16 00-0034		**Wall Mounted Outdoor Water Coolers** *(22 47 16 00-0033)*		
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	2,361.29	149.31
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	4,118.73	149.31
22 47 16 00-0037		**Free Standing Outdoor Water Coolers** *(22 47 16 00-0033)*		
22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	3,908.08	223.95
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	4,711.11	223.95
22 47 16 00-0040		**Removal And Reinstallation Of Fixtures And Trim** *(22 47 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler	579.91	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler	129.72	
22 47 19		**Water-Station Water Coolers** *(22 47)*		
22 47 19 00-0001		**Bottle Filler** *(22 47 19)*		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	4,132.00	238.88
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	7,251.36	238.88
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	9,330.39	268.75
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	10,094.31	268.75
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	10,858.23	268.75
		For Stainless Steel Carrier, Add	*205.00*	
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		**Remote Chillers** *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	1,362.92	80.63
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	2,089.22	89.59
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,780.66	104.51
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	2,299.51	119.44
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	3,606.31	179.16
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	3,910.01	194.09
22 47 26		**Fixture Carriers** *(22 47)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 26 00-0001		Water Cooler Carriers *(22 47 26)*		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	611.23	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*375.80*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	725.05	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*375.80*	

22 50 Pool and Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

22 51 13 Swimming Pool Piping *(22 51)*

22 51 13 00-0001		Swimming Pool Gutters *(22 51 13)*		
22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	292.13	26.88

22 51 19 Swimming Pool Water Treatment Equipment *(22 51)*

22 51 19 00-0001		Swimming Pool Heaters *(22 51 19)*		
		Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0002		Electric Pool Heaters *(22 51 19 00-0001)*		
22 51 19 00-0003	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,417.01	238.88
22 51 19 00-0004	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,933.53	256.80
22 51 19 00-0005	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,484.96	298.60
22 51 19 00-0006	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,817.46	358.32
22 51 19 00-0007	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,428.68	501.65
22 51 19 00-0008	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,406.27	716.64
22 51 19 00-0009		Gas Fired Pool Heaters *(22 51 19 00-0001)*		
22 51 19 00-0010	EA	120 MBH Output Gas Fired Pool Heater	6,361.56	1,120.86
22 51 19 00-0011	EA	180 MBH Output Gas Fired Pool Heater	7,226.28	1,280.98
22 51 19 00-0012	EA	240 MBH Output Gas Fired Pool Heater	8,165.05	1,441.10
22 51 19 00-0013	EA	300 MBH Output Gas Fired Pool Heater	9,400.87	1,761.35
22 51 19 00-0014	EA	360 MBH Output Gas Fired Pool Heater	9,681.32	1,857.78
22 51 19 00-0015	EA	400 MBH Output Gas Fired Pool Heater	11,317.77	2,261.22
22 51 19 00-0016	EA	500 MBH Output Gas Fired Pool Heater	17,780.34	2,609.10
22 51 19 00-0017	EA	600 MBH Output Gas Fired Pool Heater	20,613.65	2,870.01
22 51 19 00-0018	EA	750 MBH Output Gas Fired Pool Heater	23,242.71	3,130.92
22 51 19 00-0019	EA	1,000 MBH Output Gas Fired Pool Heater	29,793.81	3,696.23
22 51 19 00-0020		Surge Tanks *(22 51 19)*		
		Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0021	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	20,593.76	915.57
22 51 19 00-0022	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	23,087.23	915.57
22 51 19 00-0023	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	27,840.86	1,161.85
22 51 19 00-0024	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	36,878.99	1,875.11
22 51 19 00-0025		Diatomite Type Filter System *(22 51 19)*		
22 51 19 00-0026	EA	35,000 Gallon Filter System, Diatomite	15,965.85	3,327.49
22 51 19 00-0027	EA	45,000 Gallon Filter System, Diatomite	19,044.86	3,992.99
22 51 19 00-0028		Silver Recovery System, X-Ray Film Processing *(22 51 19)*		
22 51 19 00-0029	EA	20 Gallon/Day Capacity, Silver Recovery System	2,091.61	405.38
22 51 19 00-0030	EA	40 Gallon/Day Capacity, Silver Recovery System	3,060.52	540.54
22 51 19 00-0031		Inline Water Filter *(22 51 19)*		
		Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0032	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	282.56	119.44
22 51 19 00-0033	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	501.42	179.16
22 51 19 00-0034		Ultra-Violet Pool Treatment Lights *(22 51 19)*		
22 51 19 00-0035		Stainless Steel Ultra-Violet Pool Treatment Lights *(22 51 19 00-0034)*		
		Note: Delta ELP Amalgam Series		
22 51 19 00-0036	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,196.03	372.43
22 51 19 00-0037	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,123.50	372.43
22 51 19 00-0038	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,918.48	372.43
22 51 19 00-0039	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,484.98	394.35
22 51 19 00-0040	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,878.94	394.35
22 51 19 00-0041	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	22,456.27	394.35
22 51 19 00-0042	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,508.79	708.22
22 51 19 00-0043	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	39,309.02	708.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0044	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,154.59	708.22
22 51 19 00-0045	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	46,278.00	849.64
22 51 19 00-0046	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	49,703.44	849.64
22 51 19 00-0047	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	52,094.81	849.64
22 51 19 00-0048	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	54,680.06	849.64
22 51 19 00-0049	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	58,732.67	965.76
22 51 19 00-0050	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	63,256.88	965.76
22 51 19 00-0051	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	67,781.06	965.76
22 51 19 00-0052	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	73,274.72	965.76
22 51 19 00-0053		HDPE Ultra-Violet Pool Treatment Lights *(22 51 19 00-0034)*		
		Note: Delta EL Series		
22 51 19 00-0054	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,068.69	372.43
22 51 19 00-0055	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,973.49	372.43
22 51 19 00-0056	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,911.37	394.35
22 51 19 00-0057		In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights *(22 51 19 00-0034)*		
		Note: Delta EM Series		
22 51 19 00-0058	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,335.93	372.43
22 51 19 00-0059	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,659.06	372.43
22 51 19 00-0060	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	33,795.99	708.22
22 51 19 00-0061	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	42,805.57	708.22
22 51 19 00-0062	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	59,721.30	849.64
22 51 19 00-0063	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	67,393.28	965.76
22 51 19 00-0064	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	79,458.05	1,249.74
22 51 19 00-0065	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	89,152.72	1,249.74

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities *(22)*

22 62 Vacuum Systems for Laboratory and Healthcare Facilities *(22 60)*

22 62 19 Vacuum Equipment for Laboratory and Healthcare Facilities *(22 62)*

22 62 19 74 Dental Vacuum and Evacuation Equipment *(22 62 19)*

22 62 19 74-0001 Dental Oral Vacuum Pumps *(22 62 19 74)*

22 62 19 74-0002	EA	165 SCFM, Duplex Vacuum Pump, Dental Oral, With 30" X 66", 77 Gallon Separator	9,511.44	1,070.27

22 63 Gas Systems for Laboratory and Healthcare Facilities *(22 60)*

22 63 13 Gas Piping for Laboratory and Healthcare Facilities *(22 63)*

22 63 13 53 Laboratory Gas Piping *(22 63 13)*

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2279 for PVC piping.

22 63 13 70 Healthcare Gas Piping *(22 63 13)*

22 63 13 70-0001 Zone Valve Assemblies *(22 63 13 70)*

22 63 13 70-0002 Single Zone Valve Assemblies *(22 63 13 70-0001)*

22 63 13 70-0003	EA	1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-05)	499.02	94.84
22 63 13 70-0004	EA	3/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-07)	533.27	102.84
22 63 13 70-0005	EA	1" Single Zone Valve Assembly With Gauge (Amico VBU-M-10)	567.34	109.40
22 63 13 70-0006	EA	1-1/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-12)	637.53	119.44
22 63 13 70-0007	EA	1-1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-15)	728.58	126.73
22 63 13 70-0008	EA	2" Single Zone Valve Assembly With Gauge (Amico VBU-M-20)	900.72	136.76

22 63 13 70-0009 Double Zone Valve Assemblies *(22 63 13 70-0001)*

22 63 13 70-0010	EA	1/2" x 1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0505)	713.60	135.93
22 63 13 70-0011	EA	1/2" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0507)	747.85	143.93
22 63 13 70-0012	EA	1/2" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0510)	788.88	150.37
22 63 13 70-0013	EA	1/2" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0512)	870.67	160.53
22 63 13 70-0014	EA	1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0515)	973.32	167.82
22 63 13 70-0015	EA	3/4" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0707)	779.78	151.93
22 63 13 70-0016	EA	3/4" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0710)	820.82	158.50
22 63 13 70-0017	EA	3/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0712)	904.93	168.53
22 63 13 70-0018	EA	3/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0715)	963.50	175.82
22 63 13 70-0019	EA	1" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-1010)	852.57	164.95
22 63 13 70-0020	EA	1" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1012)	904.20	175.10
22 63 13 70-0021	EA	1" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1015)	999.89	182.38
22 63 13 70-0022	EA	1-1/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1212)	1,039.35	185.13
22 63 13 70-0023	EA	1-1/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1215)	1,079.36	192.54
22 63 13 70-0024	EA	1-1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1515)	1,182.02	199.83

22 63 13 70-0025 Triple Zone Valve Assemblies *(22 63 13 70-0001)*

22 63 13 70-0026	EA	1/2" x 1/2" x 1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050505)	969.93	176.90
22 63 13 70-0027	EA	1/2" x 1/2" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050507)	1,004.18	185.01
22 63 13 70-0028	EA	1/2" x 1/2" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050510)	1,045.22	191.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0029	EA	1/2" x 1/2" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050512)	1,129.33	201.62
22 63 13 70-0030	EA	1/2" x 1/2" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050515)	1,234.31	208.91
22 63 13 70-0031	EA	1/2" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050707)	1,040.76	193.02
22 63 13 70-0032	EA	1/2" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050710)	1,081.78	199.46
22 63 13 70-0033	EA	1/2" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050712)	1,163.57	209.62
22 63 13 70-0034	EA	1/2" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050715)	1,268.54	216.91
22 63 13 70-0035	EA	1/2" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051010)	1,122.81	206.04
22 63 13 70-0036	EA	1/2" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051012)	1,204.60	216.19
22 63 13 70-0037	EA	1/2" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051015)	1,309.57	223.47
22 63 13 70-0038	EA	3/4" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070707)	1,075.01	201.02
22 63 13 70-0039	EA	3/4" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070710)	1,116.04	207.59
22 63 13 70-0040	EA	3/4" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070712)	1,197.83	217.62
22 63 13 70-0041	EA	3/4" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070715)	1,302.81	224.91
22 63 13 70-0042	EA	3/4" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071010)	1,157.07	214.04
22 63 13 70-0043	EA	3/4" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071012)	1,238.86	224.19
22 63 13 70-0044	EA	3/4" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071015)	1,341.51	231.47
22 63 13 70-0045	EA	1" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-1010110)	1,137.78	220.61
22 63 13 70-0046	EA	1" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101012)	1,217.25	230.64
22 63 13 70-0047	EA	1" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101015)	1,384.85	238.05

22 63 13 70-0048 Medical Gas Copper Pipe And Fittings *(22 63 13 70)*

22 63 13 70-0049 Medical Gas Copper Pipe, ASTM B819 *(22 63 13 70-0048)*

22 63 13 70-0050	LF	1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/4")	9.24	4.16
22 63 13 70-0051	LF	3/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/8")	11.31	4.16
22 63 13 70-0052	LF	1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/2")	12.10	4.16
22 63 13 70-0053	LF	5/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 5/8")	13.56	4.16
22 63 13 70-0054	LF	3/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/4")	18.33	4.16
22 63 13 70-0055	LF	1" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1")	21.39	4.16
22 63 13 70-0056	LF	1-1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/4")	25.65	4.16
22 63 13 70-0057	LF	1-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/2")	31.86	4.16
22 63 13 70-0058	LF	2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2")	44.77	4.16
22 63 13 70-0059	LF	2-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2-1/2")	62.72	6.87
22 63 13 70-0060	LF	3" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3")	76.13	6.87
22 63 13 70-0061	LF	3-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3-1/2")	97.50	10.37
22 63 13 70-0062	LF	4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 4")	134.15	10.37

22 63 13 70-0063 Medical Gas Copper Fittings *(22 63 13 70-0048)*

22 63 13 70-0064 Medical Gas Copper 90 Degree Elbows *(22 63 13 70-0063)*

22 63 13 70-0065	EA	1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P049)	50.50	31.52
22 63 13 70-0066	EA	3/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P050)	52.34	32.95
22 63 13 70-0067	EA	1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P079)	55.34	34.63
22 63 13 70-0068	EA	5/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P080)	60.98	36.45
22 63 13 70-0069	EA	3/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P081)	60.28	36.45
22 63 13 70-0070	EA	1" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P082)	73.09	43.32
22 63 13 70-0071	EA	1-1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P055)	77.92	46.18
22 63 13 70-0072	EA	1-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P056)	93.96	53.18
22 63 13 70-0073	EA	2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P057)	115.35	62.91
22 63 13 70-0074	EA	2-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P058)	207.07	106.50
22 63 13 70-0075	EA	3" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA3)	252.66	125.83
22 63 13 70-0076	EA	4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA4)	378.10	153.85

22 63 13 70-0077 Medical Gas Copper Tees *(22 63 13 70-0063)*

22 63 13 70-0078	EA	1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P095)	76.29	46.18
22 63 13 70-0079	EA	3/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P096)	79.55	49.42
22 63 13 70-0080	EA	1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P098)	81.45	53.18
22 63 13 70-0081	EA	5/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R568)	100.59	57.72
22 63 13 70-0082	EA	3/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P103)	90.44	57.72
22 63 13 70-0083	EA	1" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P109)	116.13	69.27
22 63 13 70-0084	EA	1-1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P113)	133.60	76.92
22 63 13 70-0085	EA	1-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P117)	154.69	86.52
22 63 13 70-0086	EA	2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R499)	191.37	98.84
22 63 13 70-0087	EA	2-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMD9)	332.03	173.05
22 63 13 70-0088	EA	3" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VME5)	416.78	197.82
22 63 13 70-0089	EA	4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG2)	660.10	276.82

22 63 13 70-0090 Medical Gas Copper Couplings *(22 63 13 70-0063)*

22 63 13 70-0091	EA	1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R491)	42.42	27.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0092	EA	3/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R495)	44.44	28.80
22 63 13 70-0093	EA	1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R489)	45.95	30.09
22 63 13 70-0094	EA	5/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R493)	50.16	31.52
22 63 13 70-0095	EA	3/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R490)	51.04	32.95
22 63 13 70-0096	EA	1" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R492)	61.21	38.39
22 63 13 70-0097	EA	1-1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R501)	67.91	40.73
22 63 13 70-0098	EA	1-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R509)	77.74	46.18
22 63 13 70-0099	EA	2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R516)	93.28	53.18
22 63 13 70-0100	EA	2-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R615)	169.89	92.23
22 63 13 70-0101	EA	3" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R690)	207.08	106.50
22 63 13 70-0102	EA	4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R692)	273.43	129.72

22 63 13 70-0103 Medical Gas Copper Caps *(22 63 13 70-0063)*

22 63 13 70-0104	EA	1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R498)	27.14	17.26
22 63 13 70-0105	EA	3/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R521)	27.81	17.26
22 63 13 70-0106	EA	1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P121)	26.63	17.26
22 63 13 70-0107	EA	5/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R511)	29.62	18.16
22 63 13 70-0108	EA	3/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P122)	28.48	18.16
22 63 13 70-0109	EA	1" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P123)	35.78	21.66
22 63 13 70-0110	EA	1-1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P124)	40.56	23.87
22 63 13 70-0111	EA	1-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P125)	46.77	26.59
22 63 13 70-0112	EA	2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P126)	59.77	31.52
22 63 13 70-0113	EA	2-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG6)	90.62	34.63
22 63 13 70-0114	EA	3" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG7)	109.49	38.39
22 63 13 70-0115	EA	4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG8)	156.74	43.32

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste and Vent Piping *(22 66)*

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	15.18	6.80
		For Schedule 80, Add	*2.56*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.19*	
		For Work In Restricted Working Space, Add	*3.08*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	18.19	7.64
		For Schedule 80, Add	*3.46*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.96*	
		For Work In Restricted Working Space, Add	*3.46*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	28.72	11.11
		For Schedule 80, Add	*6.25*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.34*	
		For Work In Restricted Working Space, Add	*5.01*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	38.76	14.45
		For Schedule 80, Add	*8.87*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*7.59*	
		For Work In Restricted Working Space, Add	*6.51*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	62.58	21.26
		For Schedule 80, Add	*15.98*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*13.67*	
		For Work In Restricted Working Space, Add	*9.56*	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	58.37	25.68
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	75.46	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	100.09	38.81
		For Work In Restricted Working Space, Add	*17.48*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	143.64	51.36
		For Work In Restricted Working Space, Add	*23.12*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	277.39	75.85
		For Work In Restricted Working Space, Add	*34.13*	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	58.03	25.68
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	74.56	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	101.80	38.81
		For Work In Restricted Working Space, Add	*17.48*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	126.44	51.36
		For Work In Restricted Working Space, Add	*23.12*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	250.72	75.85
		For Work In Restricted Working Space, Add	*34.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0021		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	107.01	54.94
		For Work In Restricted Working Space, Add	*24.71*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	133.38	69.27
		For Work In Restricted Working Space, Add	*31.16*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	172.81	75.85
		For Work In Restricted Working Space, Add	*34.13*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	237.74	99.61
		For Work In Restricted Working Space, Add	*44.79*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	414.75	159.33
		For Work In Restricted Working Space, Add	*71.66*	
22 66 53 00-0027		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	133.34	69.27
		For Work In Restricted Working Space, Add	*31.16*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	168.68	75.85
		For Work In Restricted Working Space, Add	*34.13*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	165.02	75.85
		For Work In Restricted Working Space, Add	*34.13*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	228.34	99.61
		For Work In Restricted Working Space, Add	*44.79*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	231.89	99.61
		For Work In Restricted Working Space, Add	*44.79*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	388.58	159.33
		For Work In Restricted Working Space, Add	*71.66*	
22 66 53 00-0034		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug** *(22 66 53 00-0002)*		
22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	119.04	54.94
		For Work In Restricted Working Space, Add	*24.71*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	136.29	69.27
		For Work In Restricted Working Space, Add	*31.16*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	181.71	75.85
		For Work In Restricted Working Space, Add	*34.13*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	241.85	99.61
		For Work In Restricted Working Space, Add	*44.79*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	364.00	159.33
		For Work In Restricted Working Space, Add	*71.66*	
22 66 53 00-0040		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	113.76	54.94
		For Work In Restricted Working Space, Add	*24.71*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	139.63	69.27
		For Work In Restricted Working Space, Add	*31.16*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	176.53	75.85
		For Work In Restricted Working Space, Add	*34.13*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	240.83	99.61
		For Work In Restricted Working Space, Add	*44.79*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	471.22	159.33
		For Work In Restricted Working Space, Add	*71.66*	
22 66 53 00-0046		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	147.90	69.27
		For Work In Restricted Working Space, Add	*31.16*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	172.29	75.85
		For Work In Restricted Working Space, Add	*34.13*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	172.29	75.85
		For Work In Restricted Working Space, Add	*34.13*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	237.17	99.61
		For Work In Restricted Working Space, Add	*44.79*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	237.17	99.61
		For Work In Restricted Working Space, Add	*44.79*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	422.58	159.33
		For Work In Restricted Working Space, Add	*71.66*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	425.43	159.33
		For Work In Restricted Working Space, Add	*71.66*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	389.78	159.33
		For Work In Restricted Working Space, Add	*71.66*	
22 66 53 00-0055		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses** *(22 66 53 00-0002)*		
22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	141.58	68.68
		For Work In Restricted Working Space, Add	*30.89*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	176.10	86.60
		For Work In Restricted Working Space, Add	*38.95*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	234.77	94.84
		For Work In Restricted Working Space, Add	*42.66*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	325.26	124.45
		For Work In Restricted Working Space, Add	*55.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	574.30	199.11
		For Work In Restricted Working Space, Add	*89.58*	

22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	104.80	54.94
		For Work In Restricted Working Space, Add	*24.71*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	136.64	69.27
		For Work In Restricted Working Space, Add	*31.16*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	155.70	75.85
		For Work In Restricted Working Space, Add	*34.13*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	214.54	99.61
		For Work In Restricted Working Space, Add	*44.79*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	126.88	69.27
		For Work In Restricted Working Space, Add	*31.16*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	151.77	75.85
		For Work In Restricted Working Space, Add	*34.13*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	153.35	75.85
		For Work In Restricted Working Space, Add	*34.13*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	208.70	99.61
		For Work In Restricted Working Space, Add	*44.79*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	209.70	99.61
		For Work In Restricted Working Space, Add	*44.79*	

22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps *(22 66 53 00-0002)*

22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	123.69	63.78
		For Work In Restricted Working Space, Add	*28.67*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	164.45	83.85
		For Work In Restricted Working Space, Add	*37.72*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	246.79	113.82
		For Work In Restricted Working Space, Add	*51.19*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	345.16	144.89
		For Work In Restricted Working Space, Add	*65.15*	

22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters *(22 66 53 00-0002)*

22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	57.43	25.68
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	70.52	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	82.64	38.81
		For Work In Restricted Working Space, Add	*17.48*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	112.19	51.36
		For Work In Restricted Working Space, Add	*23.12*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	166.37	75.85
		For Work In Restricted Working Space, Add	*34.13*	

22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters *(22 66 53 00-0002)*

22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	55.06	25.68
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	72.31	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	85.93	38.81
		For Work In Restricted Working Space, Add	*17.48*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	115.42	51.36
		For Work In Restricted Working Space, Add	*23.12*	

22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings *(22 66 53 00-0002)*

22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	52.11	25.68
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	67.01	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	77.92	38.81
		For Work In Restricted Working Space, Add	*17.48*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	103.05	51.36
		For Work In Restricted Working Space, Add	*23.12*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	151.53	75.85
		For Work In Restricted Working Space, Add	*34.13*	

22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0094 Glass Acid Resistant DWV Pipe *(22 66 53 00-0093)*

22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe	31.87	6.57
		For Work In Restricted Working Space, Add	*3.94*	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe	39.84	7.17
		For Work In Restricted Working Space, Add	*4.30*	
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe	55.16	10.04
		For Work In Restricted Working Space, Add	*6.04*	
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe	89.76	13.02
		For Work In Restricted Working Space, Add	*7.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe	149.77	17.80
		For Work In Restricted Working Space, Add	*10.67*	

22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps *(22 66 53 00-0093)*

22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	98.26	29.26
		For Work In Restricted Working Space, Add	*17.52*	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	112.28	31.05
		For Work In Restricted Working Space, Add	*18.59*	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	153.33	35.23
		For Work In Restricted Working Space, Add	*21.14*	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	225.46	46.58
		For Work In Restricted Working Space, Add	*27.95*	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	532.19	64.50
		For Work In Restricted Working Space, Add	*38.70*	

22 66 53 00-0106 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps *(22 66 53 00-0093)*

22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	98.50	29.38
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	111.80	30.70
		For Work In Restricted Working Space, Add	*18.45*	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	153.09	35.12
		For Work In Restricted Working Space, Add	*21.07*	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	225.46	46.58
		For Work In Restricted Working Space, Add	*27.95*	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	532.16	64.50
		For Work In Restricted Working Space, Add	*38.69*	

22 66 53 00-0112 Glass Acid Resistant DWV 90 Or 60 Degree Bends *(22 66 53 00-0093)*

22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	99.59	29.38
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	113.11	30.70
		For Work In Restricted Working Space, Add	*18.45*	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	155.37	35.12
		For Work In Restricted Working Space, Add	*21.07*	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	225.46	46.58
		For Work In Restricted Working Space, Add	*27.95*	

22 66 53 00-0117 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends *(22 66 53 00-0093)*

22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	99.59	29.38
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	113.11	30.70
		For Work In Restricted Working Space, Add	*18.45*	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	155.37	35.12
		For Work In Restricted Working Space, Add	*21.07*	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	225.46	46.58
		For Work In Restricted Working Space, Add	*27.95*	

22 66 53 00-0122 Glass Acid Resistant DWV 90 Degree Bends With Long Leg *(22 66 53 00-0093)*

22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	115.12	29.38
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	135.43	30.70
		For Work In Restricted Working Space, Add	*18.45*	

22 66 53 00-0125 Glass Acid Resistant DWV Double Quarter Bends *(22 66 53 00-0093)*

22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	159.18	43.96
		For Work In Restricted Working Space, Add	*26.39*	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	198.79	45.51
		For Work In Restricted Working Space, Add	*27.30*	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	185.69	46.10
		For Work In Restricted Working Space, Add	*27.68*	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	250.18	52.67
		For Work In Restricted Working Space, Add	*31.61*	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	410.51	69.88
		For Work In Restricted Working Space, Add	*41.92*	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	628.17	96.74
		For Work In Restricted Working Space, Add	*58.06*	

22 66 53 00-0132 Glass Acid Resistant DWV Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	152.63	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	156.21	45.98
		For Work In Restricted Working Space, Add	*27.59*	
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	200.92	52.55
		For Work In Restricted Working Space, Add	*31.53*	
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	311.66	69.88
		For Work In Restricted Working Space, Add	*41.92*	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	654.05	96.74
		For Work In Restricted Working Space, Add	*58.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	155.01	45.39
		For Work In Restricted Working Space, Add	*27.23*	
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	183.85	49.56
		For Work In Restricted Working Space, Add	*29.74*	
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	195.05	50.76
		For Work In Restricted Working Space, Add	*30.46*	
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	251.17	61.51
		For Work In Restricted Working Space, Add	*36.91*	
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	262.93	62.11
		For Work In Restricted Working Space, Add	*37.27*	
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	276.00	63.90
		For Work In Restricted Working Space, Add	*38.34*	
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	483.32	80.02
		For Work In Restricted Working Space, Add	*48.02*	
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	520.66	81.81
		For Work In Restricted Working Space, Add	*49.09*	
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	534.45	87.79
		For Work In Restricted Working Space, Add	*52.67*	

22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	215.60	58.52
		For Work In Restricted Working Space, Add	*35.12*	
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	221.55	61.51
		For Work In Restricted Working Space, Add	*36.90*	
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	285.75	70.47
		For Work In Restricted Working Space, Add	*42.28*	
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	463.83	93.17
		For Work In Restricted Working Space, Add	*55.89*	
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	823.98	128.99
		For Work In Restricted Working Space, Add	*77.41*	

22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	219.16	60.31
		For Work In Restricted Working Space, Add	*36.19*	
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	252.57	64.50
		For Work In Restricted Working Space, Add	*38.70*	
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	266.62	65.69
		For Work In Restricted Working Space, Add	*39.42*	
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	386.12	75.85
		For Work In Restricted Working Space, Add	*45.51*	
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	382.71	77.64
		For Work In Restricted Working Space, Add	*46.58*	
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	410.60	81.81
		For Work In Restricted Working Space, Add	*49.10*	
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	543.08	95.55
		For Work In Restricted Working Space, Add	*57.32*	
22 66 53 00-0162	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	590.14	99.73
		For Work In Restricted Working Space, Add	*59.83*	
22 66 53 00-0163	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	668.20	111.08
		For Work In Restricted Working Space, Add	*66.64*	

22 66 53 00-0164 Glass Acid Resistant DWV Tees *(22 66 53 00-0093)*

22 66 53 00-0165	EA	1-1/2" Glass Acid Resistant DWV Tee	167.88	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0166	EA	2" Glass Acid Resistant DWV Tee	171.44	45.98
		For Work In Restricted Working Space, Add	*27.59*	
22 66 53 00-0167	EA	3" Glass Acid Resistant DWV Tee	219.87	52.55
		For Work In Restricted Working Space, Add	*31.53*	
22 66 53 00-0168	EA	4" Glass Acid Resistant DWV Tee	341.37	69.88
		For Work In Restricted Working Space, Add	*41.92*	
22 66 53 00-0169	EA	6" Glass Acid Resistant DWV Tee	689.68	96.74
		For Work In Restricted Working Space, Add	*58.06*	

22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees *(22 66 53 00-0093)*

22 66 53 00-0171	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	170.24	45.39
		For Work In Restricted Working Space, Add	*27.23*	
22 66 53 00-0172	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	199.74	49.56
		For Work In Restricted Working Space, Add	*29.74*	
22 66 53 00-0173	EA	3" x 2" Glass Acid Resistant DWV Reducing Tee	204.42	50.76
		For Work In Restricted Working Space, Add	*30.46*	
22 66 53 00-0174	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	254.67	61.51
		For Work In Restricted Working Space, Add	*36.91*	
22 66 53 00-0175	EA	4" x 2" Glass Acid Resistant DWV Reducing Tee	261.29	62.11
		For Work In Restricted Working Space, Add	*37.26*	
22 66 53 00-0176	EA	4" x 3" Glass Acid Resistant DWV Reducing Tee	311.73	63.90
		For Work In Restricted Working Space, Add	*38.35*	
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	585.96	81.81
		For Work In Restricted Working Space, Add	*49.09*	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	610.85	87.79
		For Work In Restricted Working Space, Add	*52.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout *(22 66 53 00-0093)*

22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	194.01	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	215.76	45.98
		For Work In Restricted Working Space, Add	*27.59*	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	275.72	52.55
		For Work In Restricted Working Space, Add	*31.53*	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	468.66	69.88
		For Work In Restricted Working Space, Add	*41.92*	
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	689.68	96.74
		For Work In Restricted Working Space, Add	*58.06*	

22 66 53 00-0185 Glass Acid Resistant DWV Wyes *(22 66 53 00-0093)*

22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	155.91	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	159.47	45.98
		For Work In Restricted Working Space, Add	*27.59*	
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	213.99	52.55
		For Work In Restricted Working Space, Add	*31.53*	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	326.24	69.88
		For Work In Restricted Working Space, Add	*41.92*	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	644.06	96.74
		For Work In Restricted Working Space, Add	*58.06*	

22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes *(22 66 53 00-0093)*

22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	158.27	45.39
		For Work In Restricted Working Space, Add	*27.23*	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	190.60	49.56
		For Work In Restricted Working Space, Add	*29.74*	
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	195.82	50.76
		For Work In Restricted Working Space, Add	*30.46*	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	264.25	61.51
		For Work In Restricted Working Space, Add	*36.91*	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	266.73	62.11
		For Work In Restricted Working Space, Add	*37.26*	
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	288.86	63.90
		For Work In Restricted Working Space, Add	*38.35*	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	469.14	80.02
		For Work In Restricted Working Space, Add	*48.01*	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	540.67	81.81
		For Work In Restricted Working Space, Add	*49.09*	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	587.33	87.79
		For Work In Restricted Working Space, Add	*52.67*	

22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	248.47	58.52
		For Work In Restricted Working Space, Add	*35.12*	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	254.45	61.51
		For Work In Restricted Working Space, Add	*36.91*	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	336.79	70.47
		For Work In Restricted Working Space, Add	*42.28*	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	515.97	93.17
		For Work In Restricted Working Space, Add	*55.88*	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	852.18	128.99
		For Work In Restricted Working Space, Add	*77.43*	

22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	252.02	60.31
		For Work In Restricted Working Space, Add	*36.18*	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	260.40	64.50
		For Work In Restricted Working Space, Add	*38.69*	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	298.50	65.69
		For Work In Restricted Working Space, Add	*39.41*	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	365.68	75.85
		For Work In Restricted Working Space, Add	*45.52*	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	385.33	77.64
		For Work In Restricted Working Space, Add	*46.58*	
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	450.52	81.81
		For Work In Restricted Working Space, Add	*49.09*	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	688.01	95.55
		For Work In Restricted Working Space, Add	*57.32*	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	721.97	99.73
		For Work In Restricted Working Space, Add	*59.84*	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye	773.10	111.08
		For Work In Restricted Working Space, Add	*66.65*	

22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	173.14	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	177.43	45.98
		For Work In Restricted Working Space, Add	*27.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	224.66	52.55
		For Work In Restricted Working Space, Add	*31.53*	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	331.79	69.88
		For Work In Restricted Working Space, Add	*41.92*	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	628.49	96.74
		For Work In Restricted Working Space, Add	*58.06*	
22 66 53 00-0223		**Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	176.23	45.39
		For Work In Restricted Working Space, Add	*27.23*	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	193.32	49.56
		For Work In Restricted Working Space, Add	*29.74*	
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	206.71	50.76
		For Work In Restricted Working Space, Add	*30.46*	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	257.71	61.51
		For Work In Restricted Working Space, Add	*36.91*	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	268.15	62.11
		For Work In Restricted Working Space, Add	*37.26*	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	290.50	63.90
		For Work In Restricted Working Space, Add	*38.35*	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	470.12	80.02
		For Work In Restricted Working Space, Add	*48.01*	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	531.20	81.81
		For Work In Restricted Working Space, Add	*49.09*	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	543.78	87.79
		For Work In Restricted Working Space, Add	*52.67*	
22 66 53 00-0233		**Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend	232.14	58.52
		For Work In Restricted Working Space, Add	*35.12*	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend	268.17	61.51
		For Work In Restricted Working Space, Add	*36.91*	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend	357.48	70.47
		For Work In Restricted Working Space, Add	*42.28*	
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend	564.09	93.17
		For Work In Restricted Working Space, Add	*55.88*	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend	928.99	128.99
		For Work In Restricted Working Space, Add	*77.43*	
22 66 53 00-0239		**Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	238.19	60.31
		For Work In Restricted Working Space, Add	*36.18*	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	298.94	64.50
		For Work In Restricted Working Space, Add	*38.69*	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	295.02	65.69
		For Work In Restricted Working Space, Add	*39.41*	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	392.46	75.85
		For Work In Restricted Working Space, Add	*45.52*	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	389.58	77.64
		For Work In Restricted Working Space, Add	*46.58*	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	435.38	81.81
		For Work In Restricted Working Space, Add	*49.09*	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	617.86	95.55
		For Work In Restricted Working Space, Add	*57.32*	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	657.73	99.73
		For Work In Restricted Working Space, Add	*59.84*	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	765.48	111.08
		For Work In Restricted Working Space, Add	*66.65*	
22 66 53 00-0249		**Glass Acid Resistant DWV Partition Crosses (Compact)** *(22 66 53 00-0093)*		
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	259.97	60.31
		For Work In Restricted Working Space, Add	*36.18*	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Cross (Compact)	262.40	61.51
		For Work In Restricted Working Space, Add	*36.91*	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	279.06	59.72
		For Work In Restricted Working Space, Add	*35.83*	
22 66 53 00-0253		**Glass Acid Resistant DWV Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	251.07	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	275.86	45.98
		For Work In Restricted Working Space, Add	*27.59*	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	317.32	52.55
		For Work In Restricted Working Space, Add	*31.53*	
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	463.54	69.88
		For Work In Restricted Working Space, Add	*41.92*	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	860.63	96.74
		For Work In Restricted Working Space, Add	*58.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) *(22 66 53 00-0093)*

22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	252.77	45.39
		For Work In Restricted Working Space, Add	*27.23*	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	287.94	49.56
		For Work In Restricted Working Space, Add	*29.74*	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	306.11	50.76
		For Work In Restricted Working Space, Add	*30.46*	
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	355.71	61.51
		For Work In Restricted Working Space, Add	*36.91*	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	375.72	62.11
		For Work In Restricted Working Space, Add	*37.26*	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	411.57	63.90
		For Work In Restricted Working Space, Add	*38.35*	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	590.43	81.81
		For Work In Restricted Working Space, Add	*49.09*	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	671.17	87.79
		For Work In Restricted Working Space, Add	*52.67*	

22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increasers *(22 66 53 00-0093)*

22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	94.56	29.87
		For Eccentric Reducers Or Increasers, Add	*2.79*	
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	116.22	32.25
		For Eccentric Reducers Or Increasers, Add	*4.14*	
		For Work In Restricted Working Space, Add	*19.35*	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	123.61	32.84
		For Eccentric Reducers Or Increasers, Add	*4.63*	
		For Work In Restricted Working Space, Add	*19.71*	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	157.34	38.22
		For Eccentric Reducers Or Increasers, Add	*6.47*	
		For Work In Restricted Working Space, Add	*22.93*	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser	163.55	38.81
		For Eccentric Reducers Or Increasers, Add	*6.87*	
		For Work In Restricted Working Space, Add	*23.29*	
22 66 53 00-0274	EA	4" x 3" Glass Acid Resistant DWV Reducer Or Increaser	174.09	40.61
		For Eccentric Reducers Or Increasers, Add	*7.43*	
		For Work In Restricted Working Space, Add	*24.37*	
22 66 53 00-0275	EA	6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	329.54	47.18
		For Eccentric Reducers Or Increasers, Add	*18.81*	
		For Work In Restricted Working Space, Add	*28.31*	
22 66 53 00-0276	EA	6" x 2" Glass Acid Resistant DWV Reducer Or Increaser	345.65	47.77
		For Eccentric Reducers Or Increasers, Add	*20.01*	
		For Work In Restricted Working Space, Add	*28.67*	
22 66 53 00-0277	EA	6" x 3" Glass Acid Resistant DWV Reducer Or Increaser	366.33	49.56
		For Eccentric Reducers Or Increasers, Add	*21.38*	
		For Work In Restricted Working Space, Add	*29.74*	
22 66 53 00-0278	EA	6" x 4" Glass Acid Resistant DWV Reducer Or Increaser	386.00	55.54
		For Eccentric Reducers Or Increasers, Add	*21.99*	
		For Work In Restricted Working Space, Add	*33.32*	

22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps *(22 66 53 00-0093)*

22 66 53 00-0280	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	210.99	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0281	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	225.02	45.39
		For Work In Restricted Working Space, Add	*27.23*	
22 66 53 00-0282	EA	2" Glass Acid Resistant DWV Swivel P-Trap	250.72	45.98
		For Work In Restricted Working Space, Add	*27.59*	
22 66 53 00-0283	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	226.89	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0284	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	245.27	45.39
		For Work In Restricted Working Space, Add	*27.23*	
22 66 53 00-0285	EA	2" Glass Acid Resistant DWV Swivel P-Trap	273.58	45.98
		For Work In Restricted Working Space, Add	*27.59*	
22 66 53 00-0286	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	231.24	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0287	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	245.27	45.39
		For Work In Restricted Working Space, Add	*27.23*	
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap	273.58	45.98
		For Work In Restricted Working Space, Add	*27.59*	

22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps *(22 66 53 00-0093)*

22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	280.67	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	348.81	45.39
		For Work In Restricted Working Space, Add	*27.23*	
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap	358.73	45.98
		For Work In Restricted Working Space, Add	*27.59*	
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	307.13	44.19
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	324.97	45.39
		For Work In Restricted Working Space, Add	*27.23*	
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap	363.84	45.98
		For Work In Restricted Working Space, Add	*27.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs *(22 66 53 00-0093)*

22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug	46.09	14.93
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug	51.52	15.53
		For Work In Restricted Working Space, Add	*9.32*	
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug	63.93	17.32
		For Work In Restricted Working Space, Add	*10.39*	
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug	99.28	23.29
		For Work In Restricted Working Space, Add	*13.97*	
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug	141.48	32.25
		For Work In Restricted Working Space, Add	*19.35*	

22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings *(22 66 53 00-0093)*

22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap	582.08	58.52
		For Work In Restricted Working Space, Add	*35.12*	
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	60.03	14.93
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	65.80	14.93
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	95.43	29.87
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	181.33	31.05
		For Work In Restricted Working Space, Add	*18.63*	
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	183.51	31.05
		For Work In Restricted Working Space, Add	*18.63*	
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	205.29	31.05
		For Work In Restricted Working Space, Add	*18.63*	
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	169.57	31.05
		For Work In Restricted Working Space, Add	*18.63*	

22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters *(22 66 53 00-0093)*

Note: Includes teflon spacer.

22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	168.93	44.08
		For Work In Restricted Working Space, Add	*26.44*	
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	176.39	46.22
		For Work In Restricted Working Space, Add	*27.73*	
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	239.29	52.67
		For Work In Restricted Working Space, Add	*31.61*	
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	339.22	70.00
		For Work In Restricted Working Space, Add	*41.96*	

22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.

22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	27.33
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	34.48
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	46.09
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	77.67
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping	180.92

22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.

22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	35.24
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	44.10
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	74.87
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	111.60
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	272.12

22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

Note: Acid resistant. ASTM A518.

22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0328)*

22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	114.20	10.63
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	160.64	13.26
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	218.42	15.29
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	357.97	21.25
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	631.29	28.48
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,115.80	35.92
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,988.97	48.38
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	3,541.28	55.47

22 66 53 00-0338 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0328)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0339		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	459.21	90.53
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	599.21	99.61
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	970.78	119.20
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,441.13	140.33
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,307.64	228.86
22 66 53 00-0345		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	269.58	90.53
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	350.09	99.61
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	439.08	119.20
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,147.39	140.33
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,600.07	228.86
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,946.27	285.13
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	5,792.13	342.89
22 66 53 00-0353		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	269.58	90.53
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	350.09	99.61
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	439.08	119.20
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	842.50	140.33
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,205.94	228.86
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,221.78	285.13
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,565.69	342.89
22 66 53 00-0361		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	269.58	90.53
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	350.09	99.61
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	438.79	119.08
22 66 53 00-0365		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	366.26	90.53
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	643.83	99.61
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	721.66	119.20
22 66 53 00-0369		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	381.60	135.45
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	477.94	150.14
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	662.95	179.28
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,097.00	210.88
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,344.68	343.58
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	4,746.10	429.02
22 66 53 00-0376		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	358.29	129.83
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	417.24	139.39
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	465.43	144.28
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	532.62	159.33
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	569.97	164.35
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	625.48	169.25
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	776.19	182.49
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	860.71	187.19
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	962.83	195.79
22 66 53 00-0386		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0338)*		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	433.59	135.45
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	521.97	149.78
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	711.23	179.28
22 66 53 00-0390		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0338)*		
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	410.30	129.83
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	511.06	145.00
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	615.29	164.83
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	659.69	169.73
22 66 53 00-0395		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	378.13	135.69
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	518.84	150.14
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	662.73	179.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	1,103.22	210.11
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	4,184.46	343.24
22 66 53 00-0401		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	388.00	129.83
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	417.18	139.39
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	440.66	145.12
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	491.72	159.33
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	510.77	164.59
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	611.36	169.73
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	816.80	182.71
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	968.53	187.19
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,011.17	195.79
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,463.90	276.89
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,659.79	286.05
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	3,250.53	300.69
22 66 53 00-0414		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	448.40	135.45
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	533.13	149.78
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	785.60	179.28
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,200.29	210.33
22 66 53 00-0419		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	373.12	129.83
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	432.05	139.39
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	477.59	145.00
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	517.74	159.33
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	596.70	164.83
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	674.49	169.61
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	865.06	182.71
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,076.44	187.30
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,178.97	196.12
22 66 53 00-0429		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0338)*		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	231.94	85.28
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	253.95	90.06
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	283.44	94.84
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	451.40	105.11
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	473.45	110.01
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	510.22	117.07
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	661.18	126.02
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	960.05	171.68
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,022.77	186.20
22 66 53 00-0439		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0338)*		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	618.36	199.11
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	811.71	199.11
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	829.06	199.11
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	930.50	261.09
22 66 53 00-0444		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0338)*		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	678.58	90.53
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	818.58	99.61
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	996.81	119.20
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,920.97	140.33
22 66 53 00-0449		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0338)*		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	340.23	90.53
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	428.17	99.61
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	587.81	119.20
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	752.64	140.33
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,461.11	195.79
22 66 53 00-0455		**Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0328)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	6.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	68.17	

22 66 53 00-0458 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

Note: ASTM A518.

22 66 53 00-0459 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0458)*

22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	90.59	8.00
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	103.06	8.84
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	142.09	11.11
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	179.15	12.90

22 66 53 00-0464 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0458)*

22 66 53 00-0465 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0464)*

22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	336.80	63.42
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	364.05	71.67
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	497.75	79.07
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	600.67	95.55

22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0464)*

22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	191.79	63.42
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	229.09	70.94
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	293.66	79.31
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	383.94	94.84
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	223.17	67.01

22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0464)*

22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	191.79	63.42
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	229.09	70.94
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	293.66	79.31
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	383.94	94.84

22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends *(22 66 53 00-0464)*

22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	225.26	63.42
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	281.14	70.94
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	431.24	79.31
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	484.33	94.84

22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends *(22 66 53 00-0464)*

22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	217.82	63.42
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	258.84	70.94
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	397.77	79.31
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	450.87	94.84

22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends *(22 66 53 00-0464)*

22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	329.00	95.43

22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees *(22 66 53 00-0464)*

22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	269.51	95.43
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	332.20	107.49
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	436.17	119.80
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	657.45	143.45

22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees *(22 66 53 00-0464)*

22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	311.26	103.44
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	379.13	111.56
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	403.63	115.49
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	432.69	127.44
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	475.34	131.03
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	514.77	134.97

22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes *(22 66 53 00-0464)*

22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	269.98	95.80
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	317.32	107.49
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	421.29	119.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	657.45	143.45
22 66 53 00-0510		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	300.91	104.03
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	367.94	111.44
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	385.56	115.86
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	433.26	127.81
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	476.43	131.74
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	504.11	135.32
22 66 53 00-0517		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	403.19	127.56
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	512.63	143.57
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	654.56	158.86
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	851.51	190.99
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	444.27	135.08
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	497.09	143.10
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	590.82	150.98
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	652.19	167.21
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	783.89	175.70
22 66 53 00-0527		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0464)*		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	447.74	127.56
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	527.21	143.33
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	752.58	159.69
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,048.88	191.23
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	481.38	135.08
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	627.19	143.10
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	661.38	150.98
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	707.91	167.10
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	898.22	174.98
22 66 53 00-0537		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	298.77	95.07
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	347.07	107.49
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	421.29	119.80
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	698.35	143.45
22 66 53 00-0542		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	329.94	103.56
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	368.42	111.80
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	400.43	115.86
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	541.09	127.81
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	554.52	131.74
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	619.38	135.32
22 66 53 00-0549		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	473.49	127.32
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	594.03	143.21
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	852.12	159.21
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	1,023.46	191.58
22 66 53 00-0554		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	514.85	135.08
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	615.99	142.97
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	642.79	150.98
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	715.34	167.10
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	898.22	174.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0560		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0464)*		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	224.17	67.72
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	252.45	71.67
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	296.39	83.61
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	349.62	79.43
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	370.44	83.36
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	391.27	87.31
22 66 53 00-0567		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0464)*		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	206.31	55.77
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	239.57	63.06
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	281.77	71.43
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	509.66	86.95
22 66 53 00-0572		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0464)*		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	92.18	31.77
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	108.96	35.47
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	118.94	39.66
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	152.93	47.42
22 66 53 00-0577		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0464)*		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	373.42	63.06
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	385.25	70.94
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	475.86	79.31
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	607.03	94.84
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	518.06	67.84
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	712.21	75.72
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	861.51	83.61
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,071.39	99.61
22 66 53 00-0586		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0464)*		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	691.69	72.02
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	1,089.90	79.67
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	721.00	71.67
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	1,089.90	79.67
22 66 53 00-0591		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0464)*		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	642.92	71.67
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	755.26	79.67
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	743.31	71.67
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,629.03	79.67
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	970.91	79.67
22 66 53 00-0597		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0464)*		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	270.30	63.78
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	352.89	71.67
22 66 53 00-0600		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0464)*		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	138.60	47.77
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	252.39	51.84
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	186.26	59.72
22 66 53 00-0604		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0464)*		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	258.12	67.96
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	282.19	71.67
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	314.19	75.60
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	336.98	83.36
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	314.25	75.72
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	331.32	79.67
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	357.81	87.31
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	404.27	83.61
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	498.82	99.61
22 66 53 00-0614		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0464)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	89.24	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	104.11	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	111.55	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	122.70	
22 66 53 00-0619		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	661.27	31.89
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	250.70	15.88
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	466.35	15.88
22 66 53 00-0623		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0464)*		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	2,373.12	159.33
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	2,927.91	167.33
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,964.77	15.88
22 66 53 00-0627		**Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)** *(22 66 53)*		
22 66 53 00-0628		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe** *(22 66 53 00-0627)*		
		Note: Excludes fittings or hangers.		
22 66 53 00-0629	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	13.42	5.01
22 66 53 00-0630	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	16.99	5.97
22 66 53 00-0631	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	27.35	8.60
22 66 53 00-0632	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	34.51	9.32
22 66 53 00-0633	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	53.91	11.18
22 66 53 00-0634	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	116.85	14.87
22 66 53 00-0635		**Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings** *(22 66 53 00-0627)*		
22 66 53 00-0636		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0637	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	52.63	19.95
		Note: 0.125		
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0638	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	66.50	25.44
		Note: 0.16		
		For Work In Restricted Working Space, Add	*11.47*	
22 66 53 00-0639	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	99.39	34.16
		Note: 0.215		
		For Work In Restricted Working Space, Add	*15.41*	
22 66 53 00-0640	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	136.13	39.77
		Note: 0.25		
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0641	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	275.37	51.72
		Note: 0.325		
		For Work In Restricted Working Space, Add	*23.29*	
22 66 53 00-0642	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	380.12	69.64
		Note: 0.438		
		For Work In Restricted Working Space, Add	*31.35*	
22 66 53 00-0643		**Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0644	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	53.42	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0645	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	70.33	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 66 53 00-0646	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	106.29	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 66 53 00-0647	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	138.66	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0648		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0649	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	52.24	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0650	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	65.46	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 66 53 00-0651	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	101.37	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 66 53 00-0652	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	116.39	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0653	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	243.17	51.72
		For Work In Restricted Working Space, Add	*23.29*	
22 66 53 00-0654	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	343.18	69.64
		For Work In Restricted Working Space, Add	*31.35*	
22 66 53 00-0655		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0656	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	52.69	19.95
		For Work In Restricted Working Space, Add	*8.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0657	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	65.43	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 66 53 00-0658	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	100.55	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 66 53 00-0659	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	122.82	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0660	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	203.81	51.72
		For Work In Restricted Working Space, Add	*23.29*	
22 66 53 00-0661	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	234.61	69.64
		For Work In Restricted Working Space, Add	*31.35*	

22 66 53 00-0662 Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends *(22 66 53 00-0635)*

22 66 53 00-0663	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	263.68	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 66 53 00-0664	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	203.32	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 66 53 00-0665	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	128.32	29.87
		For Work In Restricted Working Space, Add	*13.44*	

22 66 53 00-0666 Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0667	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	73.07	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0668	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	91.21	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 66 53 00-0669	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	144.83	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 66 53 00-0670	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	191.13	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 66 53 00-0671	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	454.92	77.52
		For Work In Restricted Working Space, Add	*34.94*	
22 66 53 00-0672	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	628.41	104.39
		For Work In Restricted Working Space, Add	*47.03*	

22 66 53 00-0673 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0674	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	82.78	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 66 53 00-0675	EA	2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	88.49	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 66 53 00-0676	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	86.96	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 66 53 00-0677	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	125.13	44.19
		For Work In Restricted Working Space, Add	*19.89*	
22 66 53 00-0678	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	133.73	46.94
		For Work In Restricted Working Space, Add	*21.14*	
22 66 53 00-0679	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	169.57	52.55
		For Work In Restricted Working Space, Add	*23.65*	
22 66 53 00-0680	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	180.19	56.85
		For Work In Restricted Working Space, Add	*25.62*	
22 66 53 00-0681	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	344.50	71.55
		For Work In Restricted Working Space, Add	*32.25*	
22 66 53 00-0682	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	752.44	89.46
		For Work In Restricted Working Space, Add	*40.31*	

22 66 53 00-0683 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0684	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	102.33	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0685	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	126.69	50.88
		For Work In Restricted Working Space, Add	*22.93*	
22 66 53 00-0686	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	169.91	68.44
		For Work In Restricted Working Space, Add	*30.82*	
22 66 53 00-0687	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	209.12	79.55
		For Work In Restricted Working Space, Add	*35.83*	

22 66 53 00-0688 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0689	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	124.20	45.39
		For Work In Restricted Working Space, Add	*20.42*	
22 66 53 00-0690	EA	3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	148.30	54.10
		For Work In Restricted Working Space, Add	*24.37*	
22 66 53 00-0691	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	184.03	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 66 53 00-0692	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	170.82	65.22
		For Work In Restricted Working Space, Add	*29.38*	
22 66 53 00-0693	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	191.54	73.93
		For Work In Restricted Working Space, Add	*33.32*	

22 66 53 00-0694 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers *(22 66 53 00-0635)*

22 66 53 00-0695	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	68.84	22.70
		For Work In Restricted Working Space, Add	*10.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0696	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	77.35	27.00
		For Work In Restricted Working Space, Add	*12.18*	
22 66 53 00-0697	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	118.28	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0698	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	129.72	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 66 53 00-0699	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	143.65	37.02
		For Work In Restricted Working Space, Add	*16.66*	
22 66 53 00-0700	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	190.85	43.00
		For Work In Restricted Working Space, Add	*19.35*	
22 66 53 00-0701	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	217.68	45.75
		For Work In Restricted Working Space, Add	*20.60*	

22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings *(22 66 53 00-0635)*

22 66 53 00-0703	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	53.00	22.70
		For Work In Restricted Working Space, Add	*10.21*	
22 66 53 00-0704	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	60.65	27.00
		For Work In Restricted Working Space, Add	*12.18*	
22 66 53 00-0705	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	66.64	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0706	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	97.46	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 66 53 00-0707	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	105.16	37.02
		For Work In Restricted Working Space, Add	*16.66*	
22 66 53 00-0708	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	155.52	43.00
		For Work In Restricted Working Space, Add	*19.35*	
22 66 53 00-0709	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	155.49	45.75
		For Work In Restricted Working Space, Add	*20.60*	
22 66 53 00-0710	EA	8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	397.69	54.71
		For Work In Restricted Working Space, Add	*24.65*	
22 66 53 00-0711	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	420.30	60.68
		For Work In Restricted Working Space, Add	*27.34*	

22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps *(22 66 53 00-0635)*

22 66 53 00-0713	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	89.18	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0714	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	119.27	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 66 53 00-0715	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	189.48	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 66 53 00-0716	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	289.45	59.72
		For Work In Restricted Working Space, Add	*26.88*	

22 66 53 00-0717 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes *(22 66 53 00-0635)*

22 66 53 00-0718	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	73.62	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0719	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	97.77	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 66 53 00-0720	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	149.12	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 66 53 00-0721	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	194.65	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 66 53 00-0722	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	383.16	77.52
		For Work In Restricted Working Space, Add	*34.94*	
22 66 53 00-0723	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	447.06	104.39
		For Work In Restricted Working Space, Add	*47.03*	

22 66 53 00-0724 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes *(22 66 53 00-0635)*

22 66 53 00-0725	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	80.48	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 66 53 00-0726	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	93.59	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 66 53 00-0727	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	128.35	44.19
		For Work In Restricted Working Space, Add	*19.89*	
22 66 53 00-0728	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	137.65	46.94
		For Work In Restricted Working Space, Add	*21.14*	
22 66 53 00-0729	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	141.34	49.68
		For Work In Restricted Working Space, Add	*22.40*	
22 66 53 00-0730	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	175.54	52.55
		For Work In Restricted Working Space, Add	*23.65*	
22 66 53 00-0731	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	186.25	56.85
		For Work In Restricted Working Space, Add	*25.62*	
22 66 53 00-0732	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	280.68	71.55
		For Work In Restricted Working Space, Add	*32.25*	
22 66 53 00-0733	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	336.12	89.46
		For Work In Restricted Working Space, Add	*40.31*	
22 66 53 00-0734	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	367.86	95.43
		For Work In Restricted Working Space, Add	*43.00*	

22 66 53 00-0735 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes *(22 66 53 00-0635)*

22 66 53 00-0736	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	113.81	39.77
		For Work In Restricted Working Space, Add	*17.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0737	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	133.62	50.88
		For Work In Restricted Working Space, Add	*22.93*	
22 66 53 00-0738	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	206.09	68.44
		For Work In Restricted Working Space, Add	*30.82*	
22 66 53 00-0739	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	355.26	79.55
		For Work In Restricted Working Space, Add	*35.83*	
22 66 53 00-0740	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	565.36	103.44
		For Work In Restricted Working Space, Add	*46.58*	

22 66 53 00-0741 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes *(22 66 53 00-0635)*

22 66 53 00-0742	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	153.89	45.39
		For Work In Restricted Working Space, Add	*20.42*	
22 66 53 00-0743	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	195.17	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 66 53 00-0744	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	319.98	73.93
		For Work In Restricted Working Space, Add	*33.32*	
22 66 53 00-0745	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	463.80	91.49
		For Work In Restricted Working Space, Add	*41.21*	

22 66 53 00-0746 Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0747	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	82.43	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0748	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	107.55	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 66 53 00-0749	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	157.22	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 66 53 00-0750	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	203.46	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 66 53 00-0751	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	424.24	77.52
		For Work In Restricted Working Space, Add	*34.94*	
22 66 53 00-0752	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	723.08	104.39
		For Work In Restricted Working Space, Add	*47.03*	

22 66 53 00-0753 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0754	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	80.28	32.60
		For Work In Restricted Working Space, Add	*14.69*	
22 66 53 00-0755	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	98.37	35.35
		For Work In Restricted Working Space, Add	*15.95*	
22 66 53 00-0756	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	132.98	44.19
		For Work In Restricted Working Space, Add	*19.89*	
22 66 53 00-0757	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	142.71	46.94
		For Work In Restricted Working Space, Add	*21.14*	
22 66 53 00-0758	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	178.88	52.55
		For Work In Restricted Working Space, Add	*23.65*	
22 66 53 00-0759	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	190.36	56.85
		For Work In Restricted Working Space, Add	*25.62*	
22 66 53 00-0760	EA	6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	336.29	68.80
		For Work In Restricted Working Space, Add	*31.00*	
22 66 53 00-0761	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	349.43	71.55
		For Work In Restricted Working Space, Add	*32.25*	

22 66 53 00-0762 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0763	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	120.83	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0764	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	175.72	50.88
		For Work In Restricted Working Space, Add	*22.93*	
22 66 53 00-0765	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	273.35	68.44
		For Work In Restricted Working Space, Add	*30.82*	
22 66 53 00-0766	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	442.79	79.55
		For Work In Restricted Working Space, Add	*35.83*	
22 66 53 00-0767	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	605.83	103.44
		For Work In Restricted Working Space, Add	*46.58*	

22 66 53 00-0768 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0769	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	153.90	45.39
		For Work In Restricted Working Space, Add	*20.42*	
22 66 53 00-0770	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	232.64	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 66 53 00-0771	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	277.08	65.22
		For Work In Restricted Working Space, Add	*29.38*	
22 66 53 00-0772	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	290.22	73.93
		For Work In Restricted Working Space, Add	*33.32*	
22 66 53 00-0773	EA	6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	362.95	85.88
		For Work In Restricted Working Space, Add	*38.70*	
22 66 53 00-0774	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	404.35	91.49
		For Work In Restricted Working Space, Add	*41.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0775		**Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug** *(22 66 53 00-0635)*		
22 66 53 00-0776	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	78.47	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0777	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	94.53	38.22
		For Work In Restricted Working Space, Add	*17.20*	
22 66 53 00-0778	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	155.05	51.36
		For Work In Restricted Working Space, Add	*23.11*	
22 66 53 00-0779	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	195.83	59.72
		For Work In Restricted Working Space, Add	*26.88*	
22 66 53 00-0780	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	403.36	77.52
		For Work In Restricted Working Space, Add	*34.94*	
22 66 53 00-0781	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	20.02	9.91
		For Work In Restricted Working Space, Add	*4.48*	
22 66 53 00-0782	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	24.68	12.66
		For Work In Restricted Working Space, Add	*5.73*	
22 66 53 00-0783	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	35.41	17.08
		For Work In Restricted Working Space, Add	*7.70*	
22 66 53 00-0784	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	40.78	19.83
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0785	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	64.26	25.80
		For Work In Restricted Working Space, Add	*11.64*	
22 66 53 00-0786		**Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug** *(22 66 53 00-0635)*		
22 66 53 00-0787	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	44.60	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0788	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	55.58	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 66 53 00-0789	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	83.40	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 66 53 00-0790	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	114.83	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0791	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	172.97	51.72
		For Work In Restricted Working Space, Add	*23.29*	
22 66 53 00-0792	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	294.34	69.64
		For Work In Restricted Working Space, Add	*31.39*	
22 66 53 00-0793		**Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(22 66 53 00-0635)*		
22 66 53 00-0794	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	47.65	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0795	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	60.42	25.44
		For Work In Restricted Working Space, Add	*11.47*	
22 66 53 00-0796	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Couplings	79.76	34.16
		For Work In Restricted Working Space, Add	*15.41*	
22 66 53 00-0797	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Couplings	100.13	39.77
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0798	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Couplings	141.70	51.72
		For Work In Restricted Working Space, Add	*23.29*	
22 66 53 00-0799	EA	8" Chlorinated Polyvinyl Chloride (CPVC) Couplings	277.38	69.64
		For Work In Restricted Working Space, Add	*31.39*	
22 66 53 00-0800		**Chlorinated Polyvinyl Chloride (CPVC) Female Adapters** *(22 66 53 00-0635)*		
22 66 53 00-0801	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	28.92	9.91
22 66 53 00-0802	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	38.17	12.78
22 66 53 00-0803	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	57.13	17.08
22 66 53 00-0804	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	90.32	19.95
22 66 53 00-0805	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	140.07	25.80
22 66 53 00-0806		**Chlorinated Polyvinyl Chloride (CPVC) Male Adapters** *(22 66 53 00-0635)*		
22 66 53 00-0807	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	31.68	9.91
22 66 53 00-0808	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	44.25	12.78
22 66 53 00-0809	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	53.21	17.08
22 66 53 00-0810	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	87.27	19.95
22 66 53 00-0811	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	116.29	25.80
22 66 53 00-0812		**Chlorinated Polyvinyl Chloride (CPVC) Caps** *(22 66 53 00-0635)*		
22 66 53 00-0813	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	28.76	9.91
22 66 53 00-0814	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	35.66	12.78
22 66 53 00-0815	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	54.28	17.08
22 66 53 00-0816	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	88.17	19.95
22 66 53 00-0817	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	112.69	25.80
22 66 53 00-0818	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	174.15	34.88
22 66 70		**Healthcare Chemical-Waste and Vent Piping** *(22 66)*		
22 66 70 00-0001		**Hemo-Dyalisis Supply And Waste Box** *(22 66 70)*		
22 66 70 00-0002	EA	Stainless Steel Recessed Dialysis Supply And Waste Box With One Valve	1,681.85	64.86
22 66 70 00-0003	EA	Stainless Steel Recessed Dialysis Supply And Waste Box With Two Valves	1,901.15	64.86

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 66 83 Chemical-Waste Tanks *(22 66)*

22 66 83 16 Chemical-Waste Neutralization Tanks *(22 66 83)*

22 66 83 16-0001 Acid Neutralization Tank *(22 66 83 16)*

22 66 83 16-0002 Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*

22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	609.56	243.23
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,107.71	337.27
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,375.99	486.44
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,765.91	648.59
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,269.08	778.31
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	3,106.15	972.89
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,582.59	1,216.12
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,655.66	1,459.33
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,282.53	1,751.20

22 66 83 16-0012 Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*

22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	1,008.91	243.23
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,740.01	337.27
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,768.87	486.44
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,649.12	648.59
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,617.91	778.31
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,259.78	972.89
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,726.72	1,216.12
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,399.58	1,459.33
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	9,076.36	1,751.20

22 66 83 16-0022 Chemical Dilution Trap *(22 66 83 16)*

22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	546.02	81.08
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	563.50	81.08
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	580.97	81.08
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	636.52	97.28

22 67 Processed Water Systems for Laboratory and Healthcare Facilities *(22 60)*

22 67 13 Processed Water Piping for Laboratory and Healthcare Facilities *(22 67)*

22 67 13 53 Laboratory Water Piping *(22 67 13)*

22 67 13 53-0001 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*

22 67 13 53-0002 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe *(22 67 13 53-0001)*

22 67 13 53-0003	LF	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	13.13	3.46
		For Work In Restricted Working Space, Add	*1.54*	
22 67 13 53-0004	LF	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	16.53	4.30
		For Work In Restricted Working Space, Add	*1.92*	
22 67 13 53-0005	LF	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	21.45	4.54
		For Work In Restricted Working Space, Add	*2.05*	
22 67 13 53-0006	LF	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	34.43	5.01
		For Work In Restricted Working Space, Add	*2.24*	
22 67 13 53-0007	LF	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	46.37	5.97
		For Work In Restricted Working Space, Add	*2.69*	

22 67 13 53-0008 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0001)*

22 67 13 53-0009	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	49.50	12.78
		For Work In Restricted Working Space, Add	*5.78*	
22 67 13 53-0010	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	60.82	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0011	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	72.70	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0012	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	115.37	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0013	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	142.18	43.12
		For Work In Restricted Working Space, Add	*19.37*	

22 67 13 53-0014 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0001)*

22 67 13 53-0015	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	49.50	12.90
		For Work In Restricted Working Space, Add	*5.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0016	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	60.82	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0017	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	72.70	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0018	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	116.10	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0019	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	142.18	43.12
		For Work In Restricted Working Space, Add	*19.37*	

22 67 13 53-0020 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees *(22 67 13 53-0001)*

22 67 13 53-0021	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	66.98	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0022	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	79.38	25.68
		For Work In Restricted Working Space, Add	*11.56*	
22 67 13 53-0023	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	97.80	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0024	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	162.85	51.36
		For Work In Restricted Working Space, Add	*23.12*	
22 67 13 53-0025	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	211.57	63.78
		For Work In Restricted Working Space, Add	*28.67*	

22 67 13 53-0026 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees *(22 67 13 53-0001)*

22 67 13 53-0027	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	153.49	23.89
		For Work In Restricted Working Space, Add	*10.75*	
22 67 13 53-0028	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	180.69	27.83
		For Work In Restricted Working Space, Add	*12.54*	
22 67 13 53-0029	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	190.01	30.22
		For Work In Restricted Working Space, Add	*13.62*	
22 67 13 53-0030	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	238.53	43.00
		For Work In Restricted Working Space, Add	*19.35*	
22 67 13 53-0031	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	287.82	57.33
		For Work In Restricted Working Space, Add	*25.80*	

22 67 13 53-0032 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts *(22 67 13 53-0001)*

22 67 13 53-0033	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	67.22	15.17
		For Work In Restricted Working Space, Add	*6.81*	
22 67 13 53-0034	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	80.20	17.55
		For Work In Restricted Working Space, Add	*7.88*	
22 67 13 53-0035	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	91.14	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 67 13 53-0036	EA	1-1/2" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	124.07	23.89
		For Work In Restricted Working Space, Add	*10.75*	
22 67 13 53-0037	EA	1-1/2" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	131.75	26.28
		For Work In Restricted Working Space, Add	*11.83*	
22 67 13 53-0038	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	136.58	27.83
		For Work In Restricted Working Space, Add	*12.54*	
22 67 13 53-0039	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	205.60	39.06
		For Work In Restricted Working Space, Add	*17.56*	

22 67 13 53-0040 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters *(22 67 13 53-0001)*

22 67 13 53-0041	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	58.08	12.90
		For Work In Restricted Working Space, Add	*5.78*	
22 67 13 53-0042	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	72.67	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0043	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	85.78	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0044	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	124.36	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0045	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	164.18	43.00
		For Work In Restricted Working Space, Add	*19.35*	

22 67 13 53-0046 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters *(22 67 13 53-0001)*

22 67 13 53-0047	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	58.08	12.90
		For Work In Restricted Working Space, Add	*5.78*	
22 67 13 53-0048	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	72.67	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0049	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	85.78	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0050	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	124.36	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0051	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	162.61	43.12
		For Work In Restricted Working Space, Add	*19.37*	

22 67 13 53-0052 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings *(22 67 13 53-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0053	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	38.06	12.90
		For Work In Restricted Working Space, Add	*5.78*	
22 67 13 53-0054	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	51.43	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0055	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	65.35	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0056	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	102.30	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0057	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	136.46	43.12
		For Work In Restricted Working Space, Add	*19.37*	
22 67 13 53-0058		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions *(22 67 13 53-0001)*		
22 67 13 53-0059	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	160.54	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0060	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	175.39	25.68
		For Work In Restricted Working Space, Add	*11.56*	
22 67 13 53-0061	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	203.61	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0062	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	354.04	51.36
		For Work In Restricted Working Space, Add	*23.12*	
22 67 13 53-0063	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	492.64	63.78
		For Work In Restricted Working Space, Add	*28.67*	
22 67 13 53-0064		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps *(22 67 13 53-0001)*		
22 67 13 53-0065	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	45.67	13.07
		For Work In Restricted Working Space, Add	*5.86*	
22 67 13 53-0066	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	55.92	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0067	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	65.35	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0068	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	103.11	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0069	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	136.46	43.12
		For Work In Restricted Working Space, Add	*19.37*	
22 67 13 53-0070		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flanges *(22 67 13 53-0001)*		
22 67 13 53-0071	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	80.87	21.50
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0072	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	93.68	25.44
		For Work In Restricted Working Space, Add	*11.56*	
22 67 13 53-0073	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	115.20	34.28
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0074	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	174.29	51.84
		For Work In Restricted Working Space, Add	*23.12*	
22 67 13 53-0075	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	208.31	63.78
		For Work In Restricted Working Space, Add	*28.67*	
22 67 13 53-0076		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*		
22 67 13 53-0077		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe *(22 67 13 53-0076)*		
22 67 13 53-0078	LF	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	14.79	3.46
		For Work In Restricted Working Space, Add	*1.54*	
22 67 13 53-0079	LF	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	18.88	4.30
		For Work In Restricted Working Space, Add	*1.92*	
22 67 13 53-0080	LF	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	24.37	4.54
		For Work In Restricted Working Space, Add	*2.05*	
22 67 13 53-0081	LF	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	30.68	5.01
		For Work In Restricted Working Space, Add	*2.24*	
22 67 13 53-0082	LF	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	41.87	5.97
		For Work In Restricted Working Space, Add	*2.69*	
22 67 13 53-0083		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0076)*		
22 67 13 53-0084	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	51.51	12.78
		For Work In Restricted Working Space, Add	*5.78*	
22 67 13 53-0085	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	66.18	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0086	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	82.46	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0087	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	119.43	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0088	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	157.53	43.12
		For Work In Restricted Working Space, Add	*19.37*	
22 67 13 53-0089		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0076)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0090	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	51.14	12.90
		For Work In Restricted Working Space, Add	*5.78*	
22 67 13 53-0091	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	66.37	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0092	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	82.65	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0093	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	122.05	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0094	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	157.53	43.12
		For Work In Restricted Working Space, Add	*19.37*	

22 67 13 53-0095 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees *(22 67 13 53-0076)*

22 67 13 53-0096	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	70.28	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0097	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	83.89	25.68
		For Work In Restricted Working Space, Add	*11.56*	
22 67 13 53-0098	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	104.24	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0099	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	157.29	51.36
		For Work In Restricted Working Space, Add	*23.12*	
22 67 13 53-0100	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	202.02	63.78
		For Work In Restricted Working Space, Add	*28.67*	

22 67 13 53-0101 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees *(22 67 13 53-0076)*

22 67 13 53-0102	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	83.07	23.89
		For Work In Restricted Working Space, Add	*10.75*	
22 67 13 53-0103	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	102.52	27.83
		For Work In Restricted Working Space, Add	*12.54*	
22 67 13 53-0104	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	106.12	30.22
		For Work In Restricted Working Space, Add	*13.62*	
22 67 13 53-0105	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	151.85	43.00
		For Work In Restricted Working Space, Add	*19.35*	
22 67 13 53-0106	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	195.66	57.33
		For Work In Restricted Working Space, Add	*25.80*	

22 67 13 53-0107 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts *(22 67 13 53-0076)*

22 67 13 53-0108	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	59.24	15.17
		For Work In Restricted Working Space, Add	*6.81*	
22 67 13 53-0109	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	67.13	17.55
		For Work In Restricted Working Space, Add	*7.88*	
22 67 13 53-0110	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	70.72	19.95
		For Work In Restricted Working Space, Add	*8.96*	
22 67 13 53-0111	EA	1-1/2" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	92.44	23.89
		For Work In Restricted Working Space, Add	*10.75*	
22 67 13 53-0112	EA	1-1/2" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	96.03	26.28
		For Work In Restricted Working Space, Add	*11.83*	
22 67 13 53-0113	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	98.41	27.83
		For Work In Restricted Working Space, Add	*12.54*	
22 67 13 53-0114	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	137.26	39.06
		For Work In Restricted Working Space, Add	*17.56*	

22 67 13 53-0115 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters *(22 67 13 53-0076)*

22 67 13 53-0116	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	51.51	12.90
		For Work In Restricted Working Space, Add	*5.78*	
22 67 13 53-0117	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	65.05	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0118	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	76.65	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0119	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	105.18	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0120	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	149.23	43.00
		For Work In Restricted Working Space, Add	*19.35*	

22 67 13 53-0121 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters *(22 67 13 53-0076)*

22 67 13 53-0122	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	51.51	12.90
		For Work In Restricted Working Space, Add	*5.78*	
22 67 13 53-0123	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	65.05	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0124	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	76.65	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0125	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	105.18	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0126	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	149.29	43.12
		For Work In Restricted Working Space, Add	*19.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0127		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Couplings** *(22 67 13 53-0076)*		
22 67 13 53-0128	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	48.32	12.90
		For Work In Restricted Working Space, Add	*5.78*	
22 67 13 53-0129	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	61.31	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0130	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	72.53	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0131	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	104.43	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0132	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	134.67	43.12
		For Work In Restricted Working Space, Add	*19.37*	
22 67 13 53-0133		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions** *(22 67 13 53-0076)*		
22 67 13 53-0134	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	161.19	
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0135	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	186.61	25.68
		For Work In Restricted Working Space, Add	*11.56*	
22 67 13 53-0136	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	225.90	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0137	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	371.35	51.36
		For Work In Restricted Working Space, Add	*23.12*	
22 67 13 53-0138	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	483.57	63.78
		For Work In Restricted Working Space, Add	*28.67*	
22 67 13 53-0139		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps** *(22 67 13 53-0076)*		
22 67 13 53-0140	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	48.57	13.07
		For Work In Restricted Working Space, Add	*5.86*	
22 67 13 53-0141	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	61.31	17.08
		For Work In Restricted Working Space, Add	*7.71*	
22 67 13 53-0142	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	72.34	21.26
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0143	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	104.80	33.92
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0144	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	134.67	43.12
		For Work In Restricted Working Space, Add	*19.37*	
22 67 13 53-0145		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flanges** *(22 67 13 53-0076)*		
22 67 13 53-0146	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	94.08	21.50
		For Work In Restricted Working Space, Add	*9.56*	
22 67 13 53-0147	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	108.26	25.44
		For Work In Restricted Working Space, Add	*11.56*	
22 67 13 53-0148	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	130.67	34.28
		For Work In Restricted Working Space, Add	*15.25*	
22 67 13 53-0149	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	188.03	51.84
		For Work In Restricted Working Space, Add	*23.12*	
22 67 13 53-0150	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	234.26	63.78
		For Work In Restricted Working Space, Add	*28.67*	

END OF SECTION 22

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Professional Certification For Hospital *(23 01 10 91)*

23 01 10 91-0002	HR	Hospital/Lab Certification - Oxygen, Air, Water Lines, Medical Gases, Nitrogen And Vacuum	207.29

23 01 10 91-0003 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0004	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	599.22
23 01 10 91-0005	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	855.94
23 01 10 91-0006	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	898.91
23 01 10 91-0007	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	991.63
23 01 10 91-0008	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,796.07
23 01 10 91-0009	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	805.77
23 01 10 91-0010	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,158.13
23 01 10 91-0011	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,226.65
23 01 10 91-0012	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,612.60
23 01 10 91-0013	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	2,497.63
23 01 10 91-0014	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	956.15
23 01 10 91-0015	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,409.22
23 01 10 91-0016	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	3,246.33
23 01 10 91-0017	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,074.76
23 01 10 91-0018	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	9,539.20

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

See CSI section 22 01 10 61-0001 for pipe repair clamps, 22 01 10 61-0074 for repair and tape HVAC pipe insulation seam.

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	32.43
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	38.92
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	45.41
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	51.89
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	64.86
23 01 20 91-0007	EA	Lock Out Padlock	12.97
23 01 20 91-0008	EA	Lock Out Tags	5.33

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit	389.25

23 01 20 91-0011 Pipe Freezing *(23 01 20 91)*

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	706.72
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	388.08
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	853.35
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	448.03
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,165.24
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	508.15
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,328.37
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	596.15
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,930.18
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	688.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	3,922.97	
23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	896.69	
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,219.02	
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,310.28	
23 01 20 91-0026	EA	>8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,188.93	
23 01 20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,777.78	
23 01 20 91-0028	EA	>10" To 12" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,245.16	
23 01 20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,298.58	

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing *(23 01 20 91)*

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	2.06	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 2,000, Deduct	*-0.38*	
		For >2,000, Deduct	*-0.59*	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.80	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 2,000, Deduct	*-0.51*	
		For >2,000, Deduct	*-0.79*	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	4.22	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 2,000, Deduct	*-0.77*	
		For >2,000, Deduct	*-1.17*	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	5.71	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 2,000, Deduct	*-1.03*	
		For >2,000, Deduct	*-1.57*	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	6.93	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 2,000, Deduct	*-1.23*	
		For >2,000, Deduct	*-1.88*	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	8.70	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 2,000, Deduct	*-1.54*	
		For >2,000, Deduct	*-2.35*	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	11.54	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 2,000, Deduct	*-2.05*	
		For >2,000, Deduct	*-3.13*	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	13.84	
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 2,000, Deduct	*-2.46*	
		For >2,000, Deduct	*-3.76*	

23 01 20 91-0039 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	269.79

23 01 20 91-0041 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	205.03
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	256.29
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	365.80
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	438.34
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	547.93
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	712.32
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.35
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	426.97
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	609.80
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	730.66
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	913.32
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,187.32
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.59
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	597.76
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	853.73
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,022.92
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,278.65
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,662.25
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.84
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	821.92
23 01 20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,173.87
23 01 20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,246.17
23 01 20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,557.71
23 01 20 91-0065	EA	>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	2,025.03
23 01 20 91-0066	LF	>2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1.01
23 01 20 91-0067	EA	Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,109.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,584.72	
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,682.33	
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,102.90	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,733.78	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System	1.37	

23 01 20 91-0073 Special Cleaning Of Piping Systems *(23 01 20 91)*

23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0075	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	2.45	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 2,000, Deduct	*-0.44*	
		For >2,000, Deduct	*-0.67*	
23 01 20 91-0076	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	3.99	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 2,000, Deduct	*-0.71*	
		For >2,000, Deduct	*-1.08*	
23 01 20 91-0077	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.56	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 2,000, Deduct	*-0.98*	
		For >2,000, Deduct	*-1.49*	
23 01 20 91-0078	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	7.16	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 2,000, Deduct	*-1.26*	
		For >2,000, Deduct	*-1.92*	
23 01 20 91-0079	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	10.00	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 2,000, Deduct	*-1.76*	
		For >2,000, Deduct	*-2.69*	

23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0081	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.52	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 2,000, Deduct	*-0.44*	
		For >2,000, Deduct	*-0.67*	
23 01 20 91-0082	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	4.08	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 2,000, Deduct	*-0.71*	
		For >2,000, Deduct	*-1.08*	
23 01 20 91-0083	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.69	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 2,000, Deduct	*-0.98*	
		For >2,000, Deduct	*-1.49*	
23 01 20 91-0084	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	7.36	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 2,000, Deduct	*-1.26*	
		For >2,000, Deduct	*-1.92*	
23 01 20 91-0085	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	10.25	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 2,000, Deduct	*-1.76*	
		For >2,000, Deduct	*-2.69*	

23 01 20 91-0086 Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0087	LF	Up To 1", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	2.54	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 2,000, Deduct	*-0.44*	
		For >2,000, Deduct	*-0.67*	
23 01 20 91-0088	LF	>1" To 2", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	4.12	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 2,000, Deduct	*-0.71*	
		For >2,000, Deduct	*-1.08*	
23 01 20 91-0089	LF	>2" To 3", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	5.74	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 2,000, Deduct	*-0.98*	
		For >2,000, Deduct	*-1.49*	
23 01 20 91-0090	LF	>3" To 4", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	7.43	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 2,000, Deduct	*-1.26*	
		For >2,000, Deduct	*-1.92*	
23 01 20 91-0091	LF	>4" To 6", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	10.35	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 2,000, Deduct	*-1.76*	
		For >2,000, Deduct	*-2.69*	

23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*

23 01 20 91-0093	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	407.12
23 01 20 91-0094	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	512.69
23 01 20 91-0095	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	710.77
23 01 20 91-0096	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,088.16
23 01 20 91-0097	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,343.73
23 01 20 91-0098	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,030.20

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51		**HVAC Air-Distribution System Cleaning** *(23 01 30)*		
23 01 30 51-0001		Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*		
23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	4.30	
		For Exhaust Ductwork, Add	*1.08*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	5.39	
		For Exhaust Ductwork, Add	*1.35*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	7.23	
		For Exhaust Ductwork, Add	*1.81*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	10.25	
		For Exhaust Ductwork, Add	*2.56*	
23 01 30 51-0006	SF	Clean Exposed Exterior Of Metal Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	0.63	
23 01 30 51-0007	LF	Clean Supply/Return Shafts	12.73	
23 01 30 51-0008	EA	Clean Floor Transition	10.25	
23 01 30 51-0009	SF	Clean Duct Dampers	14.47	
23 01 30 51-0010	SF	Clean Duct Fire Dampers	28.95	
23 01 30 51-0011	SF	Clean Louver	11.58	
23 01 30 51-0012	EA	Clean Turning Vane Set	34.74	
23 01 30 51-0013	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	34.74	
23 01 30 51-0014	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	8.69	
23 01 30 51-0015	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	116.99	
		For Stainless Steel, Add	*77.90*	
23 01 30 51-0016	EA	Clean Variable Air Volume (VAV) Unit	104.22	
23 01 30 51-0017	EA	Clean Fan Powered Induction Unit (PIU) Unit	138.97	
23 01 30 51-0018	EA	Clean Fan Coil Unit (FCU)	138.97	
23 01 30 51-0019	EA	Clean Packaged Terminal Air Conditioning Unit	138.97	
23 01 30 51-0020	EA	Clean Supply Or Return Fan	277.93	
23 01 30 51-0021	EA	Clean Exhaust Fan	243.20	
23 01 30 51-0022	EA	Clean Duct Coil	208.46	
23 01 30 51-0023	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	6.95	
23 01 30 51-0024	EA	Clean Air Handling Unit Fan	277.93	
23 01 30 51-0025	EA	Clean Air Handling Unit Coil	416.91	
23 01 30 51-0026	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.72	
23 01 30 51-0027	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	4.41	
23 01 30 51-0028	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.70	
23 01 30 51-0029	EA	Cleaning Of Ductwork Minimum Set-up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	967.65	
23 01 30 51-0030	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.62	
23 01 30 61		**HVAC Air-Distribution Duct Repair** *(23 01 30)*		
23 01 30 61-0001		Repair And Seal Ductwork *(23 01 30 61)* Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.		
23 01 30 61-0002	SF	Repair, Taping And Sealing Of Ductwork Note: Clean, apply sealant and tape	2.27	
23 01 30 61-0003		Rework Sheet Metal Ductwork *(23 01 30 61)* Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 01 30 61-0004	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	35.38	
23 01 30 61-0005	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	68.98	
23 01 30 61-0006	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	91.14	
23 01 30 61-0007	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	114.14	
23 01 30 61-0008	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	159.19	
23 01 30 61-0009	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	185.72	
23 01 30 61-0010	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	212.25	
23 01 30 61-0011	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	238.78	
23 01 50		**Operation and Maintenance of Central Heating Equipment** *(23 01)*		
23 01 50 61		**Central Heating Equipment Repair** *(23 01 50)*		
23 01 50 61-0001		Boiler Repairs *(23 01 50 61)*		
23 01 50 61-0002		Setup And Maintenance *(23 01 50 61-0001)*		
23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,769.36	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	3,013.49	
		For Burner Seals, Add *Note: Used when burner must be removed from door for maintenance.*	*676.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	3,692.49	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,846.24	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,692.49	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	115.39	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	346.17	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	13.42	
23 01 50 61-0011		**Boiler Tube Replacement** *(23 01 50 61-0001)*		
23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	276.94	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	346.18	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	484.63	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	12.52	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	14.64	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	16.79	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	24.55	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	28.91	
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	37.33	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	34.62	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	51.92	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	69.23	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	86.54	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	103.85	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	121.16	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	103.85	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	138.47	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	173.08	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	207.70	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	242.31	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	276.94	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	409.01	
23 01 50 61-0034		**Cast Iron Boiler Section Replacement** *(23 01 50 61-0001)*		
23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,983.15	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	2,029.31	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,595.99	
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	5,448.79	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,973.46	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	4,708.26	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	8,783.41	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	6,764.93	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	7,376.40	
23 01 50 61-0044		**Cast Iron Grate Replacement** *(23 01 50 61-0001)*		
23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	152.97	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,233.41	
23 01 50 61-0047	EA	Removal And Replacement Of Stay Bolt	58.93	
23 01 50 61-0048		**Replacement Or Conversion Of Boiler Burners** *(23 01 50 61-0001)* Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0049	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	11,146.06	1,273.26
23 01 50 61-0050	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	16,079.70	1,576.39
23 01 50 61-0051	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	18,993.61	1,909.75
23 01 50 61-0052	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	22,402.44	2,055.14
23 01 50 61-0053		**Boiler And Chiller Water Treatment** *(23 01 50 61)* Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0054	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.74	
23 01 50 61-0055	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	2.62	
23 01 50 61-0056	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	163.43	

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

23 01 60 61 Central Cooling Equipment Repair *(23 01 60)*

23 01 60 61-0001 Cooling Tower Repairs *(23 01 60 61)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	3,627.28	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	4,276.51	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	4,920.98	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	5,814.27	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	6,409.00	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	4,004.54	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	4,459.45	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	5,241.37	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	5,975.89	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	6,584.85	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	995.66	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	1,033.68	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	1,104.88	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	1,287.43	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	1,595.54	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	2,157.21	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	2,268.68	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	2,435.89	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	44.26	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	26.84	

23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling *(23 01 60 71)*

See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.

23 01 60 71-0002	LB	Recovery Of Refrigerant	13.72	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	25.74	
23 01 60 71-0004	LB	Recharging Of Refrigerant Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants.	11.56	

23 01 60 71-0005 Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen *(23 01 60 71)*

Note: Includes vacuum of nitrogen from pipe.

23 01 60 71-0006	EA	Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	140.21	
23 01 60 71-0007	EA	>100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	179.36	
23 01 60 71-0008	EA	>250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	225.63	
23 01 60 71-0009	EA	>500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	289.71	
23 01 60 71-0010	EA	>1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	383.54	
23 01 60 71-0011	LF	>2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.22	
23 01 60 71-0012	EA	Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	191.97	
23 01 60 71-0013	EA	>100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	245.75	
23 01 60 71-0014	EA	>250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	309.13	
23 01 60 71-0015	EA	>500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	397.45	
23 01 60 71-0016	EA	>1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	526.87	
23 01 60 71-0017	LF	>2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.29	
23 01 60 71-0018	EA	Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	243.99	
23 01 60 71-0019	EA	>100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	312.59	
23 01 60 71-0020	EA	>250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	393.65	
23 01 60 71-0021	EA	>500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	506.74	
23 01 60 71-0022	EA	>1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	674.20	
23 01 60 71-0023	LF	>2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.38	
23 01 60 71-0024	EA	Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	279.74	
23 01 60 71-0025	EA	>100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	361.82	
23 01 60 71-0026	EA	>250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	458.75	
23 01 60 71-0027	EA	>500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	595.19	
23 01 60 71-0028	EA	>1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	807.15	
23 01 60 71-0029	LF	>2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.44	
23 01 60 71-0030	EA	Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	332.43	
23 01 60 71-0031	EA	>100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	430.38	
23 01 60 71-0032	EA	>250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	596.51	
23 01 60 71-0033	EA	>500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	708.96	
23 01 60 71-0034	EA	>1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	963.32	
23 01 60 71-0035	LF	>2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.52	
23 01 60 71-0036	EA	Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	379.14	
23 01 60 71-0037	EA	>100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	491.15	
23 01 60 71-0038	EA	>250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	623.64	
23 01 60 71-0039	EA	>500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	810.67	
23 01 60 71-0040	EA	>1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,103.78	
23 01 60 71-0041	LF	>2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.61	

23 05 Common Work Results for HVAC *(23)*

23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	801.49	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	907.55	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,064.02	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	893.64	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	949.28	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,244.84	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,050.11	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,017.08	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,272.66	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,064.02	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,097.06	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,620.38	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,161.38	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,201.37	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,122.83	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,842.92	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,766.42	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,545.31	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,107.18	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,138.48	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,312.03	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,993.87	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,028.64	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,466.46	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,517.19	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,802.32	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,436.60	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,223.06	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,635.11	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,566.69	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,982.83	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,068.02	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,850.08	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,420.65	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,611.90	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,992.65	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,296.90	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,847.74	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,186.76	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,606.89	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,276.56	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,406.65	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,119.48	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	15,570.90	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,094.22	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	19,208.05	
23 05 13 00-0050		**Cast Iron Frame, Premium Efficient, Open Drip Proof Motors** *(23 05 13 00-0002)*		
23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,758.76	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,813.79	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,998.90	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,699.25	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,380.48	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,849.60	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,878.02	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,377.22	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	21,767.27	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,341.01	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	30,729.76	
23 05 13 00-0062		**Premium Efficient, TEFC Motors** *(23 05 13 00-0001)*		
		Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063		**Steel Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	937.11	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,032.73	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,229.19	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,062.28	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,072.72	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,163.12	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,112.70	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,290.04	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,229.19	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,973.31	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,430.87	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,345.68	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,228.89	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,143.69	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,940.28	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,173.25	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,190.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0081		**Cast Iron Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,336.98	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,496.93	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,411.74	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,385.66	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,782.06	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,484.76	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,451.73	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,809.88	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,602.99	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,648.19	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,254.96	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,973.31	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,649.93	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,616.59	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,284.52	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,201.07	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,731.04	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,677.44	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,468.81	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,259.57	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,689.31	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,376.36	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,681.74	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,049.20	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,094.40	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,564.65	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,283.61	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,354.89	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,559.13	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,278.08	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,352.84	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,887.42	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,606.07	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,307.03	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,321.46	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,414.52	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,078.97	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	14,889.37	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,225.53	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,063.84	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,072.75	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,386.61	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,275.34	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	21,045.75	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,969.86	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	23,485.01	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	27,014.37	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	33,951.38	
23 05 13 00-0130		**Premium Efficient, Severe Duty Motors** *(23 05 13 00-0001)*		
		Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.		
23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,389.14	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,526.49	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,686.44	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,369.71	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,580.39	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,556.05	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,973.31	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,948.67	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,653.41	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,623.85	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,999.39	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,718.87	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,955.92	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,055.03	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,886.08	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,033.55	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,406.22	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,091.54	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,924.33	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,420.65	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,139.91	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,633.98	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,184.81	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,342.11	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,343.33	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,153.82	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,436.60	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,564.34	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,276.96	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,017.90	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,232.88	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,433.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,989.78	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,309.99	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,468.72	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,034.28	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,996.43	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,640.02	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,849.47	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,310.81	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,697.09	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,408.69	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,043.89	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,762.54	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,220.01	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,525.48	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,285.56	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,146.68	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,275.34	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,785.36	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	20,689.34	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	17,076.53	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,108.13	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,180.14	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,464.76	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,144.85	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	27,695.90	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,221.87	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	24,997.59	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,287.85	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,568.37	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,284.98	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,276.19	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,013.67	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,229.25	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	46,208.51	

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,853.35	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,919.41	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,093.27	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,587.04	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,868.69	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,953.58	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,035.29	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,462.68	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,227.67	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,181.85	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,183.29	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,008.51	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	13,524.57	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	18,919.45	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	22,210.62	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	27,056.09	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	35,363.12	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	40,349.43	

23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting	203.86	103.72
23 05 13 00-0218	EA	3/4 HP Motor Mounting	234.89	129.66
23 05 13 00-0219	EA	1 HP Motor Mounting	251.27	129.66
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	270.12	129.66
23 05 13 00-0221	EA	2 HP Motor Mounting	292.02	155.59
23 05 13 00-0222	EA	3 HP Motor Mounting	337.65	155.59
23 05 13 00-0223	EA	5 HP Motor Mounting	400.18	259.32
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	514.51	259.32
23 05 13 00-0225	EA	10 HP Motor Mounting	675.30	453.80
23 05 13 00-0226	EA	15 HP Motor Mounting	831.13	453.80
23 05 13 00-0227	EA	20 HP Motor Mounting	982.25	648.28
23 05 13 00-0228	EA	25 HP Motor Mounting	1,113.89	648.28
23 05 13 00-0229	EA	30 HP Motor Mounting	1,350.59	648.28
23 05 13 00-0230	EA	40 HP Motor Mounting	1,521.79	972.42
23 05 13 00-0231	EA	50 HP Motor Mounting	1,688.24	972.42
23 05 13 00-0232	EA	75 HP Motor Mounting	2,038.62	1,426.22
23 05 13 00-0233	EA	100 HP Motor Mounting	2,455.61	1,426.22
23 05 13 00-0234	EA	125 HP Motor Mounting	3,001.31	1,944.85
23 05 13 00-0235	EA	150 HP Motor Mounting	3,485.39	1,944.85
23 05 13 00-0236	EA	200 HP Motor Mounting	4,001.75	2,333.81

23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*

Note: Includes internal sleeves and external covers.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0002		**Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)* Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0003	EA	1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	248.96	104.59
		For 300 Lb. Rating, Add	*9.92*	
23 05 16 00-0004	EA	3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	279.21	117.95
		For 300 Lb. Rating, Add	*10.86*	
23 05 16 00-0005	EA	1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	327.00	135.21
		For 300 Lb. Rating, Add	*14.16*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	369.49	150.92
		For 300 Lb. Rating, Add	*17.00*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	399.92	162.21
		For 300 Lb. Rating, Add	*18.88*	
23 05 16 00-0008	EA	2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	460.95	190.88
		For 300 Lb. Rating, Add	*19.82*	
23 05 16 00-0009		**Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)* Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010	EA	1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	591.62	104.56
		For 300 Lb. Rating, Add	*115.43*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	649.15	125.47
		For 300 Lb. Rating, Add	*122.98*	
23 05 16 00-0012	EA	2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	691.18	159.29
		For 300 Lb. Rating, Add	*123.00*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	745.73	173.28
		For 300 Lb. Rating, Add	*132.12*	
23 05 16 00-0014	EA	3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	825.31	203.15
		For 300 Lb. Rating, Add	*142.77*	
23 05 16 00-0015	EA	4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,042.77	340.57
		For 300 Lb. Rating, Add	*154.00*	
23 05 16 00-0016	EA	5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,383.34	372.51
		For 300 Lb. Rating, Add	*229.61*	
23 05 16 00-0017	EA	6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,305.77	413.90
		For 300 Lb. Rating, Add	*196.64*	
23 05 16 00-0018	EA	8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,676.50	528.87
		For 300 Lb. Rating, Add	*254.88*	
23 05 16 00-0019	EA	10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,123.59	643.84
		For 300 Lb. Rating, Add	*329.70*	
23 05 16 00-0020	EA	12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,765.50	487.71
		For 300 Lb. Rating, Add	*447.20*	
23 05 16 00-0021	EA	14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,493.89	919.77
		For 300 Lb. Rating, Add	*586.05*	
23 05 16 00-0022	EA	16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,451.30	1,011.74
		For 300 Lb. Rating, Add	*796.66*	
23 05 16 00-0023	EA	18" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	8,238.95	1,122.12
		For 300 Lb. Rating, Add	*1,709.08*	
23 05 16 00-0024	EA	20" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	9,460.59	1,264.68
		For 300 Lb. Rating, Add	*1,969.93*	
23 05 16 00-0025	EA	24" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	11,043.21	1,552.11
		For 300 Lb. Rating, Add	*2,275.77*	
23 05 16 00-0026	EA	30" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	14,315.67	2,529.36
		For 300 Lb. Rating, Add	*2,788.49*	
23 05 16 00-0027	EA	36" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	18,319.97	3,372.49
		For 300 Lb. Rating, Add	*3,526.09*	
23 05 16 00-0028		**Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)* Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0029	EA	1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	657.56	143.40
		For 300 Lb. Rating, Add	*92.72*	
23 05 16 00-0030	EA	1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	684.31	144.59
		For 300 Lb. Rating, Add	*98.78*	
23 05 16 00-0031	EA	2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	694.23	149.38
		For 300 Lb. Rating, Add	*98.80*	
23 05 16 00-0032	EA	2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	750.60	162.87
		For 300 Lb. Rating, Add	*106.12*	
23 05 16 00-0033	EA	3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	843.11	191.55
		For 300 Lb. Rating, Add	*114.90*	
23 05 16 00-0034	EA	4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,256.86	381.44
		For 300 Lb. Rating, Add	*123.69*	
23 05 16 00-0035	EA	5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,514.49	389.41
		For 300 Lb. Rating, Add	*184.42*	
23 05 16 00-0036	EA	6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,493.42	431.14
		For 300 Lb. Rating, Add	*157.94*	
23 05 16 00-0037	EA	8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,802.73	492.65
		For 300 Lb. Rating, Add	*204.72*	
23 05 16 00-0038	EA	10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,264.04	603.60
		For 300 Lb. Rating, Add	*264.81*	
23 05 16 00-0039	EA	12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,900.03	731.67
		For 300 Lb. Rating, Add	*359.19*	
23 05 16 00-0040	EA	14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,446.09	745.02
		For 300 Lb. Rating, Add	*488.93*	
23 05 16 00-0041	EA	16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,521.53	931.26
		For 300 Lb. Rating, Add	*664.64*	
23 05 16 00-0042		**Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion**		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Joints *(23 05 16)*		
23 05 16 00-0043		Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints *(23 05 16 00-0042)*		
23 05 16 00-0044	EA	2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	844.94	159.29
23 05 16 00-0045	EA	2-1/2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	910.88	173.28
23 05 16 00-0046	EA	3" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,003.77	203.15
23 05 16 00-0047	EA	4" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,235.27	340.57
23 05 16 00-0048	EA	5" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,670.35	372.51
23 05 16 00-0049	EA	6" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,551.58	413.90
23 05 16 00-0050	EA	8" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,995.11	528.87
23 05 16 00-0051	EA	10" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	2,535.73	643.84
23 05 16 00-0052	EA	12" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	3,324.53	488.29
23 05 16 00-0053	EA	14" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	4,226.47	919.77
23 05 16 00-0054	EA	16" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	5,447.15	1,011.74
23 05 16 00-0055	EA	18" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	7,099.51	1,122.12
23 05 16 00-0056	EA	20" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	8,266.85	1,264.68
23 05 16 00-0057	EA	24" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	9,525.97	1,552.11
23 05 16 00-0058	EA	30" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	12,456.59	2,529.36
23 05 16 00-0059	EA	36" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	15,969.14	3,372.49
23 05 16 00-0060		Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joints *(23 05 16)*		
23 05 16 00-0061		Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joints *(23 05 16 00-0060)*		
23 05 16 00-0062	EA	2" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	986.68	159.29
23 05 16 00-0063	EA	2-1/2" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,063.12	173.28
23 05 16 00-0064	EA	3" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,168.29	203.15
23 05 16 00-0065	EA	4" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,412.73	340.57
23 05 16 00-0066	EA	5" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,934.93	372.51
23 05 16 00-0067	EA	6" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,778.17	413.90
23 05 16 00-0068	EA	8" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	2,288.82	528.87
23 05 16 00-0069	EA	10" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	2,915.66	643.84
23 05 16 00-0070	EA	12" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	3,839.86	488.29
23 05 16 00-0071	EA	14" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	4,901.79	919.77
23 05 16 00-0072	EA	16" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	6,365.17	1,011.74
23 05 16 00-0073	EA	18" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	8,349.93	1,122.12
23 05 16 00-0074	EA	20" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	9,734.36	1,264.68
23 05 16 00-0075	EA	24" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	11,190.99	1,552.11
23 05 16 00-0076	EA	30" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	14,496.74	2,529.36
23 05 16 00-0077	EA	36" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	18,548.94	3,372.49
23 05 16 00-0078		Neoprene Bellows Type Expansion Joints *(23 05 16)*		
23 05 16 00-0079		Flanged, 150 Lb., Neoprene Bellows Type Expansion Joints *(23 05 16 00-0078)*		
		Note: Cast iron ends.		
23 05 16 00-0080	EA	2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,303.88	159.29
23 05 16 00-0081	EA	2-1/2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,383.35	173.28
23 05 16 00-0082	EA	3" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,435.68	203.15
23 05 16 00-0083	EA	4" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,746.31	340.57
23 05 16 00-0084	EA	5" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,075.96	372.51
23 05 16 00-0085	EA	6" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,155.83	413.90
23 05 16 00-0086	EA	8" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,600.45	528.87
23 05 16 00-0087	EA	10" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,901.69	643.84
23 05 16 00-0088	EA	12" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	3,227.03	488.05
23 05 16 00-0089	EA	14" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	4,141.63	919.77
23 05 16 00-0090	EA	16" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	5,330.63	1,011.74
23 05 16 00-0091	EA	18" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	6,926.20	1,122.12
23 05 16 00-0092	EA	20" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	8,101.72	1,264.68
23 05 16 00-0093	EA	24" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	9,330.45	1,552.11
23 05 16 00-0094	EA	30" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	12,188.63	2,529.36
23 05 16 00-0095	EA	36" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	15,646.29	3,372.49
23 05 16 00-0096		Tube And Cover Expansion Joints *(23 05 16)*		
		Note: Carbon steel split backup rings.		
23 05 16 00-0097		Flanged, 150 Lb., Tube And Cover Expansion Joints *(23 05 16 00-0096)*		
23 05 16 00-0098		Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joints *(23 05 16 00-0097)*		
23 05 16 00-0099	EA	1" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	479.07	89.63
23 05 16 00-0100	EA	1-1/4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	453.70	104.56
23 05 16 00-0101	EA	1-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	541.00	125.47
23 05 16 00-0102	EA	2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	630.91	159.29
23 05 16 00-0103	EA	2-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	708.97	173.28
23 05 16 00-0104	EA	3" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	803.77	220.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0105	EA	4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,075.08	369.83
23 05 16 00-0106	EA	5" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,196.34	420.44
23 05 16 00-0107	EA	6" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,322.74	413.90
23 05 16 00-0108	EA	8" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,703.43	470.48
23 05 16 00-0109	EA	10" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	2,519.76	643.84
23 05 16 00-0110	EA	12" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,182.19	781.81
23 05 16 00-0111	EA	14" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,572.26	919.77
23 05 16 00-0112	EA	16" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,987.05	1,011.74
23 05 16 00-0113	EA	18" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	4,340.89	1,122.12
23 05 16 00-0114	EA	20" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	5,202.69	1,264.68
23 05 16 00-0115	EA	24" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	6,317.51	1,552.11
23 05 16 00-0116	EA	30" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	9,086.15	2,529.36
23 05 16 00-0117	EA	36" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	10,955.56	3,372.49
23 05 16 00-0118		**Flanged, 150 Lb., Rubber Tube And Cover Expansion Joints** *(23 05 16 00-0097)*		
23 05 16 00-0119	EA	1" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	455.08	89.63
23 05 16 00-0120	EA	1-1/4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	429.71	104.56
23 05 16 00-0121	EA	1-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	517.01	125.47
23 05 16 00-0122	EA	2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	606.93	159.29
23 05 16 00-0123	EA	2-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	684.99	173.28
23 05 16 00-0124	EA	3" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	779.79	220.61
23 05 16 00-0125	EA	4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,039.10	369.83
23 05 16 00-0126	EA	5" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,160.36	420.44
23 05 16 00-0127	EA	6" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,286.76	413.90
23 05 16 00-0128	EA	8" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,712.35	528.87
23 05 16 00-0129	EA	10" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	2,387.84	643.84
23 05 16 00-0130	EA	12" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,062.26	781.81
23 05 16 00-0131	EA	14" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,440.33	919.77
23 05 16 00-0132	EA	16" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,855.12	1,011.74
23 05 16 00-0133	EA	18" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	4,196.97	1,122.12
23 05 16 00-0134	EA	20" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	5,034.79	1,264.68
23 05 16 00-0135	EA	24" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	6,113.63	1,552.11
23 05 16 00-0136	EA	30" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	8,498.51	2,529.36
23 05 16 00-0137	EA	36" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	10,619.77	3,372.49
23 05 16 00-0138		**Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joints** *(23 05 16 00-0097)*		
23 05 16 00-0139	EA	2" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	618.92	159.29
23 05 16 00-0140	EA	3" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	770.79	220.61
23 05 16 00-0141	EA	4" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,027.11	369.83
23 05 16 00-0142	EA	6" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,184.82	413.90
23 05 16 00-0143	EA	8" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,472.49	528.87
23 05 16 00-0144	EA	10" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,824.18	643.84
23 05 16 00-0145	EA	12" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	2,180.79	781.81
23 05 16 00-0146		**Flanged, Tube And Cover Expansion Joints (Mercer 501)** *(23 05 16 00-0096)*		
23 05 16 00-0147		**Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joints (501EE)** *(23 05 16 00-0146)*		
23 05 16 00-0148	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	900.78	125.47
23 05 16 00-0149	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,002.69	159.29
23 05 16 00-0150	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,044.77	173.28
23 05 16 00-0151	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,187.54	220.61
23 05 16 00-0152	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,518.82	369.83
23 05 16 00-0153	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,676.05	420.44
23 05 16 00-0154	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,778.46	413.90
23 05 16 00-0155	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,371.95	528.87
23 05 16 00-0156	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,927.52	643.84
23 05 16 00-0157	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,386.06	781.81
23 05 16 00-0158	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,884.07	919.77
23 05 16 00-0159	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,238.89	1,011.74
23 05 16 00-0160	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,640.71	1,122.12
23 05 16 00-0161	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	5,442.54	1,264.68
23 05 16 00-0162	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	6,677.30	1,552.11
23 05 16 00-0163	EA	30" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	9,673.80	2,529.36
23 05 16 00-0164	EA	36" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	12,034.92	3,372.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0165	EA	42" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	15,821.72	5,058.73
23 05 16 00-0166	EA	48" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	18,805.73	6,323.42
23 05 16 00-0167	EA	60" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	25,161.88	9,105.71

23 05 16 00-0168 Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 501RR) *(23 05 16 00-0146)*

23 05 16 00-0169	EA	1-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	852.81	125.47
23 05 16 00-0170	EA	2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	942.72	159.29
23 05 16 00-0171	EA	2-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	984.81	173.28
23 05 16 00-0172	EA	3" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,115.59	220.61
23 05 16 00-0173	EA	4" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,434.87	369.83
23 05 16 00-0174	EA	5" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,592.10	420.44
23 05 16 00-0175	EA	6" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,682.52	413.90
23 05 16 00-0176	EA	8" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,240.03	528.87
23 05 16 00-0177	EA	10" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,771.61	643.84
23 05 16 00-0178	EA	12" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,206.17	781.81
23 05 16 00-0179	EA	14" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,680.19	919.77
23 05 16 00-0180	EA	16" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,023.02	1,011.74
23 05 16 00-0181	EA	18" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,388.86	1,122.12
23 05 16 00-0182	EA	20" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	5,154.71	1,264.68
23 05 16 00-0183	EA	24" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	6,329.50	1,552.11
23 05 16 00-0184	EA	30" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	9,182.10	2,529.36
23 05 16 00-0185	EA	36" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	11,447.27	3,372.49

23 05 16 00-0186 Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) *(23 05 16 00-0146)*

Note: 501BB, 501NN or 501NiNi.

23 05 16 00-0187	EA	1-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	900.78	125.47
23 05 16 00-0188	EA	2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,014.68	159.29
23 05 16 00-0189	EA	2-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,044.77	173.28
23 05 16 00-0190	EA	3" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,187.54	220.61
23 05 16 00-0191	EA	4" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,518.82	369.83
23 05 16 00-0192	EA	5" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,676.05	420.44
23 05 16 00-0193	EA	6" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,790.46	413.90
23 05 16 00-0194	EA	8" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,371.95	528.87
23 05 16 00-0195	EA	10" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,927.52	643.84
23 05 16 00-0196	EA	12" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,386.06	781.81
23 05 16 00-0197	EA	14" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,884.07	919.77
23 05 16 00-0198	EA	16" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,238.89	1,011.74
23 05 16 00-0199	EA	18" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,640.71	1,122.12
23 05 16 00-0200	EA	20" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	5,442.54	1,264.68
23 05 16 00-0201	EA	24" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	6,677.30	1,552.11
23 05 16 00-0202	EA	30" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	9,673.80	2,529.36
23 05 16 00-0203	EA	36" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	12,034.92	3,372.49

23 05 16 00-0204 Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joints (Mercer 501NNFA) *(23 05 16 00-0146)*

23 05 16 00-0205	EA	1-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	936.76	125.47
23 05 16 00-0206	EA	2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,038.67	159.29
23 05 16 00-0207	EA	2-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,080.75	173.28
23 05 16 00-0208	EA	3" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,235.51	220.61
23 05 16 00-0209	EA	4" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,578.78	369.83
23 05 16 00-0210	EA	5" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,736.01	420.44
23 05 16 00-0211	EA	6" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,850.42	413.90
23 05 16 00-0212	EA	8" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,455.90	528.87
23 05 16 00-0213	EA	10" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,035.45	643.84
23 05 16 00-0214	EA	12" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,517.98	781.81
23 05 16 00-0215	EA	14" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,015.99	919.77
23 05 16 00-0216	EA	16" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,394.80	1,011.74
23 05 16 00-0217	EA	18" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,796.61	1,122.12
23 05 16 00-0218	EA	20" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	5,634.43	1,264.68
23 05 16 00-0219	EA	24" x 10" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	6,929.14	1,552.11

23 05 16 00-0220 Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) *(23 05 16 00-0146)*

Note: Kevlar reinforcement for high temperature.

23 05 16 00-0221	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,164.63	125.47
23 05 16 00-0222	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,230.55	159.29
23 05 16 00-0223	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,332.60	173.28
23 05 16 00-0224	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,439.39	220.61
23 05 16 00-0225	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,986.54	369.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0226	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,167.75	420.44
23 05 16 00-0227	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,234.19	413.90
23 05 16 00-0228	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,647.78	528.87
23 05 16 00-0229	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	3,143.39	643.84
23 05 16 00-0230	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	3,805.81	781.81
23 05 16 00-0231	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	4,495.70	919.77
23 05 16 00-0232	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	5,234.30	1,011.74
23 05 16 00-0233	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	5,816.00	1,122.12
23 05 16 00-0234	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	6,857.69	1,264.68
23 05 16 00-0235	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	8,931.94	1,552.11
23 05 16 00-0236		Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800) *(23 05 16 00-0096)*		
23 05 16 00-0237		2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) *(23 05 16 00-0236)*		
23 05 16 00-0238	EA	1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	551.03	89.63
23 05 16 00-0239	EA	1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	624.13	96.20
23 05 16 00-0240	EA	2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	834.79	99.54
23 05 16 00-0241	EA	2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,068.97	108.74
23 05 16 00-0242	EA	3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,463.18	215.93
23 05 16 00-0243	EA	4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,968.48	276.66
23 05 16 00-0244	EA	5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,390.38	301.70
23 05 16 00-0245	EA	6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,649.61	287.42
23 05 16 00-0246	EA	8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	3,643.19	328.47
23 05 16 00-0247	EA	10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	4,714.99	390.68
23 05 16 00-0248	EA	12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	6,531.03	489.20
23 05 16 00-0249		3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) *(23 05 16 00-0236)*		
23 05 16 00-0250	EA	1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	610.99	89.63
23 05 16 00-0251	EA	1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	684.07	96.20
23 05 16 00-0252	EA	2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	930.73	99.54
23 05 16 00-0253	EA	2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,200.89	108.74
23 05 16 00-0254	EA	3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,607.09	215.93
23 05 16 00-0255	EA	4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,184.35	276.66
23 05 16 00-0256	EA	5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,654.22	301.70
23 05 16 00-0257	EA	6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,973.42	287.42
23 05 16 00-0258	EA	8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	4,086.92	328.47
23 05 16 00-0259	EA	10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	5,302.64	390.68
23 05 16 00-0260	EA	12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	7,358.53	489.20
23 05 16 00-0261		5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) *(23 05 16 00-0236)*		
23 05 16 00-0262	EA	1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	670.95	89.63
23 05 16 00-0263	EA	1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	851.99	96.20
23 05 16 00-0264	EA	2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,086.64	99.54
23 05 16 00-0265	EA	2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,440.75	108.74
23 05 16 00-0266	EA	3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,942.89	215.93
23 05 16 00-0267	EA	4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	2,508.16	276.66
23 05 16 00-0268	EA	5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	3,289.84	301.70
23 05 16 00-0269	EA	6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	3,513.10	287.42
23 05 16 00-0270	EA	8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	5,298.19	328.47
23 05 16 00-0271	EA	10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	7,041.59	390.68
23 05 16 00-0272	EA	12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	8,809.66	489.20
23 05 16 00-0273		Mercer Rubber, Series 450 *(23 05 16 00-0096)*		
23 05 16 00-0274		Expansion Joints, 2 Arch (452) *(23 05 16 00-0273)*		
23 05 16 00-0275	EA	1-1/2" x 12" Expansion Joints, 2 Arch	675.10	96.20
23 05 16 00-0276	EA	2" x 12" Expansion Joints, 2 Arch	753.84	99.54
23 05 16 00-0277	EA	2-1/2" x 12" Expansion Joints, 2 Arch	835.11	108.74
23 05 16 00-0278	EA	3" x 12" Expansion Joints, 2 Arch	1,130.38	215.93
23 05 16 00-0279	EA	4" x 12" Expansion Joints, 2 Arch	1,299.88	276.66
23 05 16 00-0280	EA	6" x 12" Expansion Joints, 2 Arch	1,444.34	287.42
23 05 16 00-0281	EA	8" x 12" Expansion Joints, 2 Arch	1,622.40	328.47
23 05 16 00-0282	EA	10" x 14" Expansion Joints, 2 Arch	2,178.51	390.68
23 05 16 00-0283	EA	12" x 14" Expansion Joints, 2 Arch	2,568.12	489.55
23 05 16 00-0284	EA	14" x 14" Expansion Joints, 2 Arch	2,986.65	496.45
23 05 16 00-0285	EA	16" x 14" Expansion Joints, 2 Arch	3,606.73	619.12
23 05 16 00-0286	EA	18" x 14" Expansion Joints, 2 Arch	4,028.45	702.47
23 05 16 00-0287	EA	20" x 14" Expansion Joints, 2 Arch	4,564.35	790.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0288	EA	24" x 16" Expansion Joints, 2 Arch	5,464.02	970.59
23 05 16 00-0289		Mercer Rubber, Series 502 And 701 *(23 05 16 00-0096)*		
23 05 16 00-0290		2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) *(23 05 16 00-0289)*		
		Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0291	EA	1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,068.68	125.79
23 05 16 00-0292	EA	2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,134.61	159.34
23 05 16 00-0293	EA	2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,212.67	173.82
23 05 16 00-0294	EA	3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,295.48	220.88
23 05 16 00-0295	EA	4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,662.73	370.76
23 05 16 00-0296	EA	5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,963.88	419.79
23 05 16 00-0297	EA	6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,030.31	415.38
23 05 16 00-0298	EA	8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,419.92	528.87
23 05 16 00-0299	EA	10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,843.57	643.84
23 05 16 00-0300	EA	12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,316.96	489.20
23 05 16 00-0301	EA	14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,087.95	919.77
23 05 16 00-0302	EA	16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,754.58	1,011.74
23 05 16 00-0303	EA	18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,264.33	1,122.12
23 05 16 00-0304	EA	20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,970.22	1,264.68
23 05 16 00-0305	EA	24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	7,121.03	1,552.11
23 05 16 00-0306	EA	30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	10,525.29	2,529.36
23 05 16 00-0307	EA	36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	13,210.21	3,372.49
23 05 16 00-0308	EA	42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	17,668.61	5,058.73
23 05 16 00-0309	EA	48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	20,904.47	6,323.42
23 05 16 00-0310	EA	60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	28,411.93	9,105.71
23 05 16 00-0311		2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) *(23 05 16 00-0289)*		
		Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0312	EA	1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,164.63	125.79
23 05 16 00-0313	EA	2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,230.55	159.34
23 05 16 00-0314	EA	2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,320.61	173.82
23 05 16 00-0315	EA	3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,403.41	220.88
23 05 16 00-0316	EA	4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,758.67	370.76
23 05 16 00-0317	EA	5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,107.79	419.79
23 05 16 00-0318	EA	6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,150.24	415.38
23 05 16 00-0319	EA	8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,599.81	528.87
23 05 16 00-0320	EA	10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,035.45	643.84
23 05 16 00-0321	EA	12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,520.83	489.20
23 05 16 00-0322	EA	14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,363.78	919.77
23 05 16 00-0323	EA	16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,078.39	1,011.74
23 05 16 00-0324	EA	18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,624.12	1,122.12
23 05 16 00-0325	EA	20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	6,377.98	1,264.68
23 05 16 00-0326	EA	24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	7,600.74	1,552.11
23 05 16 00-0327	EA	30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	11,232.86	2,529.36
23 05 16 00-0328	EA	36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	14,049.71	3,372.49
23 05 16 00-0329	EA	42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	18,747.96	5,058.73
23 05 16 00-0330	EA	48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	22,151.72	6,323.42
23 05 16 00-0331	EA	60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	30,114.90	9,105.71
23 05 16 00-0332		2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) *(23 05 16 00-0289)*		
		Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0333	EA	1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,200.60	125.79
23 05 16 00-0334	EA	2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,302.51	159.34
23 05 16 00-0335	EA	2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,380.57	173.82
23 05 16 00-0336	EA	3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,475.37	220.88
23 05 16 00-0337	EA	4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,854.61	370.76
23 05 16 00-0338	EA	5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,179.75	419.79
23 05 16 00-0339	EA	6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,270.17	415.38
23 05 16 00-0340	EA	8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,695.76	528.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0341	EA	10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,155.38	643.84
23 05 16 00-0342	EA	12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,664.75	489.20
23 05 16 00-0343	EA	14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,507.69	919.77
23 05 16 00-0344	EA	16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,270.28	1,011.74
23 05 16 00-0345	EA	18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,839.99	1,122.12
23 05 16 00-0346	EA	20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	6,665.81	1,264.68
23 05 16 00-0347	EA	24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	7,864.58	1,552.11
23 05 16 00-0348	EA	30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	11,268.84	2,529.36
23 05 16 00-0349	EA	36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	14,529.42	3,372.49
23 05 16 00-0350	EA	42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	19,419.56	5,058.73
23 05 16 00-0351	EA	48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	22,895.27	6,323.42
23 05 16 00-0352	EA	60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	31,122.30	9,105.71
23 05 16 00-0353		2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH) *(23 05 16 00-0289)* Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0354	EA	1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,260.57	125.79
23 05 16 00-0355	EA	2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,326.49	159.34
23 05 16 00-0356	EA	2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,416.55	173.82
23 05 16 00-0357	EA	3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,535.33	220.88
23 05 16 00-0358	EA	4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,902.59	370.76
23 05 16 00-0359	EA	5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,275.69	419.79
23 05 16 00-0360	EA	6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,366.11	415.38
23 05 16 00-0361	EA	8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,791.70	528.87
23 05 16 00-0362	EA	10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,275.31	643.84
23 05 16 00-0363	EA	12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,832.65	489.20
23 05 16 00-0364	EA	14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,675.59	919.77
23 05 16 00-0365	EA	16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,486.15	1,011.74
23 05 16 00-0366	EA	18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,079.84	1,122.12
23 05 16 00-0367	EA	20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,929.65	1,264.68
23 05 16 00-0368	EA	24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	8,140.42	1,552.11
23 05 16 00-0369	EA	30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	12,060.37	2,529.36
23 05 16 00-0370	EA	36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	15,105.07	3,372.49
23 05 16 00-0371	EA	42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	20,091.15	5,058.73
23 05 16 00-0372	EA	48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	23,470.92	6,323.42
23 05 16 00-0373	EA	60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	31,889.84	9,105.71
23 05 16 00-0374		2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) *(23 05 16 00-0289)* Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0375	EA	1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,572.38	125.79
23 05 16 00-0376	EA	2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,710.26	159.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0377	EA	2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,824.31	173.82
23 05 16 00-0378	EA	3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	2,422.80	220.88
23 05 16 00-0379	EA	4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,173.82	370.76
23 05 16 00-0380	EA	5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,882.72	419.79
23 05 16 00-0381	EA	6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	4,213.00	415.38
23 05 16 00-0382	EA	8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	5,430.11	528.87
23 05 16 00-0383	EA	10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	7,184.96	643.84
23 05 16 00-0384	EA	12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	8,222.01	489.20
23 05 16 00-0385	EA	14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	9,460.72	919.77
23 05 16 00-0386	EA	16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	11,578.49	1,011.74
23 05 16 00-0387	EA	18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	12,843.78	1,122.12
23 05 16 00-0388	EA	20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	15,084.75	1,264.68
23 05 16 00-0389	EA	24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	19,785.43	1,552.11
23 05 16 00-0390	EA	30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	33,143.71	2,529.36
23 05 16 00-0391	EA	36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	41,633.15	3,372.49
23 05 16 00-0392	EA	42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	54,534.48	5,058.73
23 05 16 00-0393	EA	48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	63,790.72	6,323.42
23 05 16 00-0394	EA	60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	84,538.23	9,105.71

23 05 16 00-0395 Teflon Lined Expansion Joints (Mercer 701) *(23 05 16 00-0289)*

Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.

23 05 16 00-0396	EA	1-1/2" Teflon Lined Expansion Joint (Mercer 701)	1,049.86	96.20
		For Hypalon Tube And Cover, Add	*17.15*	
		For Viton Tube And Cover, Add	*857.49*	
23 05 16 00-0397	EA	2" Teflon Lined Expansion Joint (Mercer 701)	1,224.55	99.54
		For Hypalon Tube And Cover, Add	*20.51*	
		For Viton Tube And Cover, Add	*1,025.38*	
23 05 16 00-0398	EA	2-1/2" Teflon Lined Expansion Joint (Mercer 701)	1,395.72	108.74
		For Hypalon Tube And Cover, Add	*23.57*	
		For Viton Tube And Cover, Add	*1,178.29*	
23 05 16 00-0399	EA	3" Teflon Lined Expansion Joint (Mercer 701)	1,739.19	215.93
		For Hypalon Tube And Cover, Add	*26.14*	
		For Viton Tube And Cover, Add	*1,307.22*	
23 05 16 00-0400	EA	4" Teflon Lined Expansion Joint (Mercer 701)	2,136.66	276.79
		For Hypalon Tube And Cover, Add	*31.66*	
		For Viton Tube And Cover, Add	*1,583.05*	
23 05 16 00-0401	EA	5" Teflon Lined Expansion Joint (Mercer 701)	2,536.84	301.45
		For Hypalon Tube And Cover, Add	*38.68*	
		For Viton Tube And Cover, Add	*1,933.84*	
23 05 16 00-0402	EA	6" Teflon Lined Expansion Joint (Mercer 701)	2,667.60	287.42
		For Hypalon Tube And Cover, Add	*41.85*	
		For Viton Tube And Cover, Add	*2,092.74*	
23 05 16 00-0403	EA	8" Teflon Lined Expansion Joint (Mercer 701)	3,198.92	328.24
		For Hypalon Tube And Cover, Add	*50.85*	
		For Viton Tube And Cover, Add	*2,542.47*	
23 05 16 00-0404	EA	10" Teflon Lined Expansion Joint (Mercer 701)	4,028.40	390.68
		For Hypalon Tube And Cover, Add	*64.94*	
		For Viton Tube And Cover, Add	*3,247.05*	
23 05 16 00-0405	EA	12" Teflon Lined Expansion Joint (Mercer 701)	5,149.57	489.55
		For Hypalon Tube And Cover, Add	*83.41*	
		For Viton Tube And Cover, Add	*4,170.50*	
23 05 16 00-0406	EA	14" Teflon Lined Expansion Joint (Mercer 701)	5,778.71	496.79
		For Hypalon Tube And Cover, Add	*95.70*	
		For Viton Tube And Cover, Add	*4,785.13*	
23 05 16 00-0407	EA	16" Teflon Lined Expansion Joint (Mercer 701)	7,174.59	619.12
		For Hypalon Tube And Cover, Add	*118.73*	
		For Viton Tube And Cover, Add	*5,936.44*	
23 05 16 00-0408	EA	18" Teflon Lined Expansion Joint (Mercer 701)	7,994.04	703.51
		For Hypalon Tube And Cover, Add	*131.74*	
		For Viton Tube And Cover, Add	*6,587.05*	
23 05 16 00-0409	EA	20" Teflon Lined Expansion Joint (Mercer 701)	9,352.37	789.04
		For Hypalon Tube And Cover, Add	*155.49*	
		For Viton Tube And Cover, Add	*7,774.33*	
23 05 16 00-0410	EA	24" Teflon Lined Expansion Joint (Mercer 701)	12,215.78	971.97
		For Hypalon Tube And Cover, Add	*205.44*	
		For Viton Tube And Cover, Add	*10,271.83*	

23 05 16 00-0411 Accessories For Mercer Rubber, Series 451 And 501 *(23 05 16 00-0096)*

23 05 16 00-0412 Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0411)*

23 05 16 00-0413	EA	1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	45.57
23 05 16 00-0414	EA	2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	57.57
23 05 16 00-0415	EA	2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	64.76
23 05 16 00-0416	EA	3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	69.56
23 05 16 00-0417	EA	4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	103.14
23 05 16 00-0418	EA	5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	127.12
23 05 16 00-0419	EA	6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	139.12
23 05 16 00-0420	EA	8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	153.51
23 05 16 00-0421	EA	10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	196.68
23 05 16 00-0422	EA	12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	232.66
23 05 16 00-0423	EA	14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	311.81
23 05 16 00-0424	EA	16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	335.80
23 05 16 00-0425	EA	18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	359.78
23 05 16 00-0426	EA	20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	395.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0427	EA	24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	491.70	
23 05 16 00-0428	EA	30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	611.63	
23 05 16 00-0429	EA	36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	743.55	
23 05 16 00-0430	EA	42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,055.37	
23 05 16 00-0431	EA	48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,259.24	

23 05 16 00-0432 Control Rods For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0411)*

23 05 16 00-0433	SET	1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	142.99	
23 05 16 00-0434	SET	2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	180.84	
23 05 16 00-0435	SET	2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	210.28	
23 05 16 00-0436	SET	3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	252.34	
23 05 16 00-0437	SET	4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	252.34	
23 05 16 00-0438	SET	5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	273.36	
23 05 16 00-0439	SET	6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	315.42	
23 05 16 00-0440	SET	8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	462.62	
23 05 16 00-0441	SET	10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	904.20	
23 05 16 00-0442	SET	12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	1,240.65	
23 05 16 00-0443	SET	14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	1,850.46	
23 05 16 00-0444	SET	16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	2,081.77	
23 05 16 00-0445	SET	18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	2,775.70	
23 05 16 00-0446	SET	20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	2,964.95	
23 05 16 00-0447	SET	24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	3,343.45	
23 05 16 00-0448	SET	30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	4,899.52	
23 05 16 00-0449	SET	36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	7,212.60	
23 05 16 00-0450	SET	42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	4,878.50	
23 05 16 00-0451	SET	48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	6,413.54	
23 05 16 00-0452	SET	60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	10,009.33	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*

Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*

Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	185.78	56.85
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	242.29	66.41
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	301.34	79.67
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	406.08	119.44
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	502.95	159.21
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	610.64	199.11

23 05 17 00-0009 Steel Pipe Sleeves *(23 05 17 00-0001)*

Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	162.79	57.62
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	202.57	62.46
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	240.28	67.31
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	298.01	80.74
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	435.07	100.83
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	850.25	121.04
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,008.95	151.31
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,359.00	186.17
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,882.70	242.09
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,724.76	302.61

23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	121.32	41.53
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	140.56	41.53
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	140.56	41.53

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	159.80	41.53
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	159.80	41.53
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	200.02	41.53
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	165.05	41.53
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	173.79	41.53
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	205.27	41.53

23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	159.80	41.53
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	159.80	41.53

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	200.02	41.53
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	182.53	41.53
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	200.02	41.53
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	204.48	41.53
23 05 19 00-0020		1" NPT, 304 Stainless Steel Thermowells *(23 05 19 00-0001)*		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	204.36	77.86
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	204.27	77.86
23 05 19 00-0023		Pressure Gauges *(23 05 19)*		
23 05 19 00-0024		Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	43.63	16.22
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	53.95	16.22
23 05 19 00-0027		Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	313.16	16.22
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	313.16	16.22
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	408.50	16.22
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	969.94	16.22
23 05 19 00-0032		Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)* Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	153.43	16.22
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	346.91	16.22
23 05 19 00-0035		Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	345.49	16.22
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	345.49	16.22
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	345.49	16.22
23 05 19 00-0039		Polypropylene Case, Stainless Steel Internals And Stem, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0040		Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauges *(23 05 19 00-0039)*		
23 05 19 00-0041	EA	4-1/2" Diameter Dry Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge	251.79	16.22
23 05 19 00-0042	EA	4-1/2" Diameter Liquid Filled Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge	332.67	16.22
23 05 19 00-0043	EA	6" Diameter Dry Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge	399.69	16.22
23 05 19 00-0044		Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauges *(23 05 19 00-0039)*		
23 05 19 00-0045	EA	2-1/2" Diameter Dry Dial, Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauge	148.83	16.22
23 05 19 00-0046	EA	2-1/2" Diameter Liquid Filled, Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauge	114.92	16.22
23 05 19 00-0047		Gauge Accessories *(23 05 19 00-0023)*		
23 05 19 00-0048	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	100.83	12.97
23 05 19 00-0049	EA	1/4" Snubber Valve	62.11	12.97
23 05 19 00-0050	EA	1/4" Female Pipe Thread, Brass Gauge Cock	39.08	19.47
23 05 19 00-0051	EA	1/4" Male Pipe Thread, Brass Gauge Cock	33.68	19.47
23 05 19 00-0052	EA	1/4" Pressure Pigtail Steam Siphon	40.67	19.47
23 05 19 00-0053	EA	1/4" x 3" Long Black Steel Nipple	8.24	6.49
23 05 19 00-0054	EA	1/4" Steel Thread-O-Let	73.72	32.44
23 05 19 00-0055	EA	1/4", 300 Lb., Black Steel Union	67.23	12.97
23 05 19 00-0056	EA	1/4" Black Steel Coupling	27.49	12.97
23 05 19 00-0057	EA	1/4", 300 Lb., Black Steel Plug	15.92	7.79
23 05 19 00-0058	EA	1/4", 150 Lb., Black Steel Cap	16.43	7.79
23 05 19 00-0059	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	10.29	4.28
23 05 19 00-0060	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	9.51	4.28
23 05 19 00-0061	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	9.72	
23 05 19 00-0062	EA	1/4" Threaded, 800 Lb., Forged Steel, Ball Valve	123.50	
23 05 19 00-0063		Valve Lock Covers *(23 05 19)*		
23 05 19 00-0064	EA	Valve Lock Cover	93.16	19.86
23 05 19 00-0065		Venturi Flowmeters *(23 05 19)*		
23 05 19 00-0066		Threaded, Brass, Venturi Flowmeters *(23 05 19 00-0065)*		
23 05 19 00-0067	EA	3/4" Threaded, Brass, Venturi Flowmeter	334.86	88.24
		For Portable Venturi Flow Meter, Add	*995.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0068	EA	1" Threaded, Brass, Venturi Flowmeter	370.02	105.88
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0069	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	408.12	117.70
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0070	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	459.99	132.36
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0071	EA	2" Threaded, Brass, Venturi Flowmeter	547.45	151.31
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0072	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	740.63	202.52
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0073		**Butt Weld, Carbon Steel, Venturi Flowmeters** *(23 05 19 00-0065)*		
23 05 19 00-0074	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	1,631.04	181.57
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*443.77*	
23 05 19 00-0075	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	2,253.10	217.88
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*636.07*	
23 05 19 00-0076	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	2,953.73	272.36
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*843.16*	
23 05 19 00-0077	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	3,515.67	363.13
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*976.29*	
23 05 19 00-0078	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	5,140.15	435.76
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,494.02*	
23 05 19 00-0079	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	8,401.02	544.70
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,559.07*	
23 05 19 00-0080	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	12,574.38	750.65
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*3,875.58*	
23 05 19 00-0081	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	17,635.92	1,125.98
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*5,384.39*	
23 05 19 00-0082	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	26,381.14	1,251.08
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*8,357.64*	
23 05 19 00-0083		**Turbine Flowmeter** *(23 05 19)*		
23 05 19 00-0084	EA	Saddle Mount Turbine Flowmeter	1,153.08	97.32
23 05 19 00-0085		**Sight Flow Indicator** *(23 05 19)*		
23 05 19 00-0086		**Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0085)*		
23 05 19 00-0087	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	180.45	18.89
23 05 19 00-0088	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	188.49	19.88
23 05 19 00-0089	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	203.88	20.89
23 05 19 00-0090	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	228.10	28.15
23 05 19 00-0091	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	272.63	34.12
23 05 19 00-0092	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	308.96	43.19
23 05 19 00-0093	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	438.34	49.94
23 05 19 00-0094	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	485.51	59.02
23 05 19 00-0095		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0085)*		
23 05 19 00-0096	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	234.86	18.89
23 05 19 00-0097	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	241.69	19.88
23 05 19 00-0098	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	260.71	20.89
23 05 19 00-0099	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	276.47	28.15
23 05 19 00-0100	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	293.18	34.12
23 05 19 00-0101	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	317.43	43.19
23 05 19 00-0102	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	602.79	49.94
23 05 19 00-0103	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	645.12	59.02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0104		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator *(23 05 19 00-0085)*		
23 05 19 00-0105	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	340.06	18.89
23 05 19 00-0106	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	358.98	19.88
23 05 19 00-0107	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	390.09	20.89
23 05 19 00-0108	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	423.98	28.15
23 05 19 00-0109	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	486.65	34.12
23 05 19 00-0110	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	514.52	43.19
23 05 19 00-0111	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,038.08	49.94
23 05 19 00-0112	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,092.50	59.02
23 05 19 00-0113		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators *(23 05 19 00-0085)*		
23 05 19 00-0114	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	231.23	18.89
23 05 19 00-0115	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	240.48	19.88
23 05 19 00-0116	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	254.66	20.89
23 05 19 00-0117	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	275.26	28.15
23 05 19 00-0118	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	291.97	34.12
23 05 19 00-0119	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	317.43	43.19
23 05 19 00-0120	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	595.53	49.94
23 05 19 00-0121	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	635.45	59.02
23 05 19 00-0122		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0085)*		
23 05 19 00-0123	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	337.64	18.89
23 05 19 00-0124	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	363.81	19.88
23 05 19 00-0125	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	397.34	20.89
23 05 19 00-0126	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	423.98	28.15
23 05 19 00-0127	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	486.65	34.12
23 05 19 00-0128	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	519.36	43.19
23 05 19 00-0129	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,038.08	49.94
23 05 19 00-0130	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,092.50	59.02
23 05 19 00-0131		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators *(23 05 19 00-0085)*		
23 05 19 00-0132	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	496.32	34.12
23 05 19 00-0133	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	558.05	43.19
23 05 19 00-0134	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	634.22	49.94
23 05 19 00-0135	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	712.83	59.02
23 05 19 00-0136		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators *(23 05 19 00-0085)*		
23 05 19 00-0137	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,092.66	136.20
23 05 19 00-0138	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,220.40	172.92
23 05 19 00-0139	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,797.61	203.05
23 05 19 00-0140	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,712.48	340.40
23 05 19 00-0141	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,379.71	402.55
23 05 19 00-0142		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0085)*		
23 05 19 00-0143	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	838.20	97.28
23 05 19 00-0144	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	989.82	113.50
23 05 19 00-0145	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,067.87	136.20
23 05 19 00-0146	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,338.29	172.92
23 05 19 00-0147	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,942.10	203.05
23 05 19 00-0148	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,869.06	340.40
23 05 19 00-0149		Flowmeters *(23 05 19)*		
23 05 19 00-0150		Polyvinyl Chloride (PVC) Turbine Flowmeters *(23 05 19 00-0149)*		
23 05 19 00-0151	EA	2", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,893.34	223.06
23 05 19 00-0152	EA	3", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,227.78	237.86
23 05 19 00-0153	EA	4", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,552.29	247.85
23 05 19 00-0154	EA	6", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	3,175.84	254.86
23 05 19 00-0155	EA	2", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,815.90	172.98
23 05 19 00-0156	EA	3", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,256.57	220.61
23 05 19 00-0157	EA	4", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,824.80	369.83
23 05 19 00-0158	EA	6", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	3,709.11	467.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0159	EA	2", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,066.39	223.06
		For Analog Output, Add	*75.00*	
23 05 19 00-0160	EA	3", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,400.83	237.86
		For Analog Output, Add	*75.00*	
23 05 19 00-0161	EA	4", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,725.34	247.85
		For Analog Output, Add	*75.00*	
23 05 19 00-0162	EA	6", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	4,348.89	254.86
		For Analog Output, Add	*75.00*	
23 05 19 00-0163	EA	2", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	2,988.96	172.98
		For Analog Output, Add	*75.00*	
23 05 19 00-0164	EA	3", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	3,429.63	220.61
		For Analog Output, Add	*75.00*	
23 05 19 00-0165	EA	4", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	3,997.85	369.83
		For Analog Output, Add	*75.00*	
23 05 19 00-0166	EA	6", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	4,882.17	467.16
		For Analog Output, Add	*75.00*	
23 05 19 00-0167	EA	2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,761.70	223.06
23 05 19 00-0168	EA	3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,096.14	237.86
23 05 19 00-0169	EA	4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,420.65	247.85
23 05 19 00-0170	EA	6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	4,044.20	254.86
23 05 19 00-0171	EA	2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,914.05	223.19
23 05 19 00-0172	EA	3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,324.66	238.12
23 05 19 00-0173	EA	4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,725.34	247.85
23 05 19 00-0174	EA	6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	4,501.24	254.99
23 05 19 00-0175	EA	2", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,340.62	223.06
23 05 19 00-0176	EA	3", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,675.05	237.86
23 05 19 00-0177	EA	4", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,999.57	247.85
23 05 19 00-0178	EA	6", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	4,623.12	254.86
23 05 19 00-0179	EA	2", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,263.18	172.98
23 05 19 00-0180	EA	3", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,703.85	220.61
23 05 19 00-0181	EA	4", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	4,272.07	369.83
23 05 19 00-0182	EA	6", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	5,156.39	467.16

23 05 19 00-0183 Flanged, Main Line Flowmeters *(23 05 19 00-0149)*

Note: Six digit totalizer with rate indicator. AWWA Standard #C704-70.

23 05 19 00-0184 150 Lb., Flanged, Main Line Flow Meters *(23 05 19 00-0183)*

23 05 19 00-0185	EA	2" x 14" Long, 150 Lb., Flanged, Main Line Flow Meter	4,674.22	172.98
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0186	EA	2-1/2" x 16" Long, 150 Lb., Flanged, Main Line Flow Meter	4,693.87	188.75
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0187	EA	3" x 16" Long, 150 Lb., Flanged, Main Line Flow Meter	4,734.03	220.88
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0188	EA	4" x 20" Long, 150 Lb., Flanged, Main Line Flow Meter	5,751.99	370.76
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0189	EA	6" x 22" Long, 150 Lb., Flanged, Main Line Flow Meter	6,715.70	467.16
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0190	EA	8" x 24" Long, 150 Lb., Flanged, Main Line Flow Meter	8,069.77	596.92
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0191	EA	10" x 26" Long, 150 Lb., Flanged, Main Line Flow Meter	10,017.39	708.79
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0192	EA	12" x 28" Long, 150 Lb., Flanged, Main Line Flow Meter	11,524.84	860.67
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0193	EA	14" x 42" Long, 150 Lb., Flanged, Main Line Flow Meter	14,082.26	1,012.54
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0194	EA	16" x 48" Long, 150 Lb., Flanged, Main Line Flow Meter	15,943.63	1,113.80
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0195	EA	18" x 54" Long, 150 Lb., Flanged, Main Line Flow Meter	17,846.09	1,235.31
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0196	EA	20" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	20,544.61	1,392.25
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0197	EA	24" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	27,348.41	1,708.67
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0198	EA	30" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	34,854.41	2,784.50
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0199	EA	36" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	42,280.96	3,712.68
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	

23 05 19 00-0200 300 Lb., Flanged, Main Line Flow Meters *(23 05 19 00-0183)*

23 05 19 00-0201	EA	2" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter	5,294.54	173.03
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0202	EA	2-1/2" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter	5,314.19	188.75
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0203	EA	3" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter	5,354.35	220.88
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0204	EA	4" x 24" Long, 300 Lb., Flanged, Main Line Flow Meter	6,230.38	369.83
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0205	EA	6" x 26" Long, 300 Lb., Flanged, Main Line Flow Meter	7,535.79	467.16
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0206	EA	8" x 28" Long, 300 Lb., Flanged, Main Line Flow Meter	9,399.79	596.92
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0207	EA	10" x 30" Long, 300 Lb., Flanged, Main Line Flow Meter	12,624.86	708.79
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0208	EA	12" x 32" Long, 300 Lb., Flanged, Main Line Flow Meter	15,972.26	860.67
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0209	EA	14" x 42" Long, 300 Lb., Flanged, Main Line Flow Meter	19,118.46	1,012.54
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0210	EA	16" x 48" Long, 300 Lb., Flanged, Main Line Flow Meter	21,989.18	1,113.80
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0211		**Adjustable, Insertion Turbine Flowmeters** *(23 05 19 00-0149)*		
23 05 19 00-0212	EA	For 1-1/2" To 3" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter	3,965.71	129.77
23 05 19 00-0213	EA	For 1-1/2" To 10" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter	4,070.85	129.77
23 05 19 00-0214	EA	For 1-1/2" To 3" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	3,310.25	259.53
23 05 19 00-0215	EA	For 1-1/2" To 10" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	3,545.15	129.77
23 05 19 00-0216	EA	For 1-1/2" To 3" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	4,701.69	129.77
23 05 19 00-0217	EA	For 1-1/2" To 10" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	4,806.83	129.77
23 05 19 00-0218		**Epoxy Coated Cast Iron High-Volume Turbine Meters** *(23 05 19 00-0149)* Note: AWWA C-701, Class II.		
23 05 19 00-0219		**Meters With Mechanical Display** *(23 05 19 00-0218)*		
23 05 19 00-0220	EA	2", 4.4 To 175 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	3,537.18	223.19
23 05 19 00-0221	EA	3", 6 To 330 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	4,360.73	238.12
23 05 19 00-0222	EA	4", 9 To 440 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	5,526.58	247.85
23 05 19 00-0223	EA	6", 35 To 1,150 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	7,869.60	254.99
23 05 19 00-0224	EA	8", 37 To 2,000 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	11,107.35	275.75
23 05 19 00-0225		**Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meters** *(23 05 19 00-0218)*		
23 05 19 00-0226	EA	2", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	3,926.19	223.19
23 05 19 00-0227	EA	3", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	4,760.27	238.12
23 05 19 00-0228	EA	4", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	5,978.68	247.85
23 05 19 00-0229	EA	6", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	8,279.65	254.99
23 05 19 00-0230	EA	8", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	11,491.11	275.75
23 05 19 00-0231		**Bronze High-Volume Turbine Meters** *(23 05 19 00-0149)* Note: AWWA C-701, Class II.		
23 05 19 00-0232		**Mechanical Display, Bronze High-Volume Turbine Meters** *(23 05 19 00-0231)*		
23 05 19 00-0233	EA	1-1/2", 3 To 160 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	2,702.24	194.65
23 05 19 00-0234	EA	2", 4 To 350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	3,116.62	223.19
23 05 19 00-0235	EA	3", 5 To 530 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	4,712.95	238.12
23 05 19 00-0236	EA	4", 9 To 1,350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	6,972.25	247.85
23 05 19 00-0237	EA	6", 25 To 2,700 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	12,600.90	254.99
23 05 19 00-0238		**Electrical Output, Bronze High-Volume Turbine Meters** *(23 05 19 00-0231)*		
23 05 19 00-0239	EA	1-1/2", 3 To 160 GPM Electrical Output, Bronze High-Volume Turbine Meter	3,101.77	194.65
23 05 19 00-0240	EA	2", 4 To 350 GPM Electrical Output, Bronze High-Volume Turbine Meter	3,521.40	223.19
23 05 19 00-0241	EA	3", 5 To 530 GPM Electrical Output, Bronze High-Volume Turbine Meter	5,112.48	238.12
23 05 19 00-0242	EA	4", 9 To 1,350 GPM Electrical Output, Bronze High-Volume Turbine Meter	7,371.79	247.85
23 05 19 00-0243	EA	6", 25 To 2,700 GPM Electrical Output, Bronze High-Volume Turbine Meter	13,326.37	254.99
23 05 19 00-0244		**Multi-Jet Meters** *(23 05 19 00-0149)*		
23 05 19 00-0245		**Hostile Environment Multi-Jet Meters** *(23 05 19 00-0244)* Note: Wetted materials are Viton, PP, 316 stainless steel and electroless-nickel plated bronze. AWWA C-708, Class II.		
23 05 19 00-0246	EA	1/2", 1 To 20 GPM Hostile Environment Multi-Jet Meter (Master Meter)	1,700.26	40.87
23 05 19 00-0247	EA	3/4", 1 To 30 GPM Hostile Environment Multi-Jet Meter (Master Meter)	1,984.89	53.85
23 05 19 00-0248	EA	1", 1 To 50 GPM Hostile Environment Multi-Jet Meter (Master Meter)	2,436.62	61.64
23 05 19 00-0249	EA	1-1/2", 5 To 100 GPM Hostile Environment Multi-Jet Meter (Master Meter)	4,083.93	81.10
23 05 19 00-0250	EA	2", 8 To 160 GPM Hostile Environment Multi-Jet Meter (Master Meter)	5,826.14	92.78
23 05 19 00-0251		**High-Pressure Multi-Jet Meters** *(23 05 19 00-0244)* Note: Wetted materials are bronze, glass-filled Noryl, PP and nylon. AWWA C-708, Class II.		
23 05 19 00-0252	EA	3/4", 1 To 30 GPM High-Pressure Multi-Jet Meter (Master Meter)	5,076.00	53.85
23 05 19 00-0253	EA	1", 1 To 50 GPM High-Pressure Multi-Jet Meter (Master Meter)	7,262.55	61.64
23 05 19 00-0254	EA	1-1/2", 5 To 100 GPM High-Pressure Multi-Jet Meter (Master Meter)	13,236.37	81.10
23 05 19 00-0255	EA	2", 8 To 160 GPM High-Pressure Multi-Jet Meter (Master Meter)	16,776.47	92.78
23 05 19 00-0256		**Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meters** *(23 05 19 00-0149)*		
23 05 19 00-0257	EA	3", 45 To 250 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	6,065.24	435.76
23 05 19 00-0258	EA	4", 55 To 500 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	6,509.00	369.83
23 05 19 00-0259	EA	6", 120 To 1,200 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	7,157.29	467.16
23 05 19 00-0260	EA	8", 150 To 1,500 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	8,889.86	596.92
23 05 19 00-0261		**In-Line Flowmeters** *(23 05 19 00-0149)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0262		Standard Flowmeter, Polyvinyl Chloride (PVC), Brass, 316 Stainless Steel, Viton *(23 05 19 00-0261)*		
23 05 19 00-0263	EA	3/4" In Line Flowmeter	647.45	53.85
23 05 19 00-0264	EA	1" In Line Flowmeter	663.02	61.64
23 05 19 00-0265	EA	1-1/2" In Line Flowmeter	981.57	81.10
23 05 19 00-0266	EA	3/4" In Line Flowmeter With SPDP Switch	888.37	53.85
23 05 19 00-0267	EA	1" In Line Flowmeter With SPDP Switch	903.94	61.64
23 05 19 00-0268	EA	1-1/2" In Line Flowmeter With SPDP Switch	1,333.47	81.10
23 05 19 00-0269		Water Flow Switches *(23 05 19)*		
23 05 19 00-0270	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	309.42	38.24
23 05 19 00-0271	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	320.48	38.24
23 05 19 00-0272	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	413.87	38.24
23 05 19 00-0273	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	428.01	38.24
23 05 19 00-0274	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	334.62	38.24
23 05 19 00-0275	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	347.51	38.24
23 05 19 00-0276	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	439.07	38.24
23 05 19 00-0277	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	451.97	38.24
23 05 19 00-0278	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	867.28	38.24
23 05 19 00-0279	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	879.77	38.24
23 05 19 00-0280	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	998.49	38.24
23 05 19 00-0281	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	1,015.68	38.24
23 05 19 00-0282	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	896.96	38.24
23 05 19 00-0283	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	914.14	38.24
23 05 19 00-0284	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,028.17	38.24
23 05 19 00-0285	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,046.92	38.24

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additonal valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001 Triple Duty Valves *(23 05 23)*

Note: Valves function as a shut-off, check valve and calibrated balancing valve.

23 05 23 00-0002 Straight Pattern, Triple Duty Valves *(23 05 23 00-0001)*

Note: Bell & Gossett 3DX and 3DS-S Series.

23 05 23 00-0003	EA	1" Threaded, Straight Pattern, Triple Duty Valve	325.80	13.62
23 05 23 00-0004	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve	377.97	17.26
23 05 23 00-0005	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve	410.77	19.97
23 05 23 00-0006	EA	2" Flanged, Straight Pattern, Triple Duty Valve	1,061.78	172.92
23 05 23 00-0007	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve	1,193.96	173.19
23 05 23 00-0008	EA	3" Flanged, Straight Pattern, Triple Duty Valve	1,308.67	203.05
23 05 23 00-0009	EA	4" Flanged, Straight Pattern, Triple Duty Valve	2,671.73	340.40
23 05 23 00-0010	EA	5" Flanged, Straight Pattern Triple Duty Valve	3,100.67	362.29
23 05 23 00-0011	EA	6" Flanged, Straight Pattern, Triple Duty Valve	4,120.56	402.55
23 05 23 00-0012	EA	8" Flanged, Straight Pattern, Triple Duty Valve	5,547.20	514.37
23 05 23 00-0013	EA	10" Flanged, Straight Pattern, Triple Duty Valve	8,888.60	626.18

23 05 23 00-0014 Flanged, Angle Pattern, Triple Duty Valves *(23 05 23 00-0001)*

Note: Bell & Gossett 3D-S Series.

23 05 23 00-0015	EA	2" Flanged, Angle Pattern, Triple Duty Valve	1,037.48	172.92
23 05 23 00-0016	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve	1,164.80	173.19
23 05 23 00-0017	EA	3" Flanged, Angle Pattern, Triple Duty Valve	1,284.37	203.05
23 05 23 00-0018	EA	4" Flanged, Angle Pattern, Triple Duty Valve	2,608.56	340.40
23 05 23 00-0019	EA	5" Flanged, Angle Pattern, Triple Duty Valve	3,022.92	362.29
23 05 23 00-0020	EA	6" Flanged, Angle Pattern, Triple Duty Valve	3,391.62	402.55
23 05 23 00-0021	EA	8" Flanged, Angle Pattern, Triple Duty Valve	5,202.16	514.37
23 05 23 00-0022	EA	10" Flanged, Angle Pattern, Triple Duty Valve	6,949.60	626.18

23 05 23 00-0023 Balanced, Straight Pattern, Triple Duty Valves *(23 05 23 00-0001)*

Note: Bell & Gossett 3DS-B Series.

23 05 23 00-0024	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,201.76	203.05
23 05 23 00-0025	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,389.87	340.40
23 05 23 00-0026	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,775.08	362.29
23 05 23 00-0027	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,678.33	402.55
23 05 23 00-0028	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,944.60	514.37
23 05 23 00-0029	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,882.65	626.18
23 05 23 00-0030	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,854.00	760.36
23 05 23 00-0031	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve	14,406.26	894.54
23 05 23 00-0032	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve	18,040.47	984.00

23 05 23 00-0033 Grooved Straight Pattern, Triple Duty Valves *(23 05 23 00-0001)*

Note: Bell & Gossett 3DS-G Series.

23 05 23 00-0034	EA	2" Grooved, Straight Pattern, Triple Duty Valve	1,116.47	32.04
23 05 23 00-0035	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve	1,330.92	38.22
23 05 23 00-0036	EA	3" Grooved, Straight Pattern, Triple Duty Valve	1,549.16	41.45
23 05 23 00-0037	EA	4" Grooved, Straight Pattern, Triple Duty Valve	2,570.19	44.67
23 05 23 00-0038	EA	5" Grooved, Straight Pattern, Triple Duty Valve	2,976.47	57.03
23 05 23 00-0039	EA	6" Grooved, Straight Pattern Triple Duty Valve	3,968.13	73.13
23 05 23 00-0040	EA	8" Grooved, Straight Pattern Triple Duty Valve	5,396.78	92.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0041	EA	10" Grooved, Straight Pattern Triple Duty Valve	8,515.13	103.99
23 05 23 00-0042	EA	12" Grooved, Straight Pattern Triple Duty Valve	13,518.67	126.80
23 05 23 00-0043		**Plug Valves** *(23 05 23)*		
23 05 23 00-0044		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0043)*		
		Note: Includes wrench.		
23 05 23 00-0045	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	312.18	12.97
23 05 23 00-0046	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	326.73	14.27
23 05 23 00-0047	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	413.08	16.22
23 05 23 00-0048	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	494.73	17.26
23 05 23 00-0049	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	543.89	19.97
23 05 23 00-0050	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	642.03	23.60
23 05 23 00-0051	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	961.95	31.89
23 05 23 00-0052	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,176.78	37.02
23 05 23 00-0053		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0043)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0054	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	772.39	172.92
23 05 23 00-0055	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	949.81	173.19
23 05 23 00-0056	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,174.72	203.05
23 05 23 00-0057	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,673.22	340.40
23 05 23 00-0058	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,830.63	402.55
23 05 23 00-0059	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,630.48	514.37
23 05 23 00-0060	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	10,767.31	626.18
23 05 23 00-0061	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	16,104.01	760.36
23 05 23 00-0062		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0043)*		
23 05 23 00-0063	EA	1/2" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,198.13	12.97
23 05 23 00-0064	EA	3/4" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,415.85	14.27
23 05 23 00-0065	EA	1" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,600.79	16.22
23 05 23 00-0066	EA	1-1/4" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,920.81	17.26
23 05 23 00-0067	EA	1-1/2" Plug Valve, 1,500 Lb., Forged Steel, Screwed	2,236.77	19.97
23 05 23 00-0068	EA	2" Plug Valve, 1,500 Lb., Forged Steel, Screwed	2,942.17	23.60
23 05 23 00-0069		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0043)*		
23 05 23 00-0070	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,238.58	340.40
23 05 23 00-0071	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,897.36	402.55
23 05 23 00-0072	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,579.78	514.37
23 05 23 00-0073	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,655.34	626.18
23 05 23 00-0074	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,718.56	760.36
23 05 23 00-0075		**Foot Valves** *(23 05 23)*		
23 05 23 00-0076		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0075)*		
23 05 23 00-0077	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction	104.88	32.44
23 05 23 00-0078	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	119.22	36.33
23 05 23 00-0079	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	152.42	41.53
23 05 23 00-0080	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction	200.03	46.71
23 05 23 00-0081	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	453.93	76.56
23 05 23 00-0082	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction	580.01	93.43
23 05 23 00-0083		**Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0075)*		
23 05 23 00-0084	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction	104.88	32.44
23 05 23 00-0085	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	222.00	36.33
23 05 23 00-0086	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	211.71	41.53
23 05 23 00-0087	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction	286.95	46.71
23 05 23 00-0088	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction	561.70	76.56
23 05 23 00-0089	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction	762.88	92.14
23 05 23 00-0090		**Foot Valves, Buna-N-Ring And Stainless Steel Screen, SSI Model** *(23 05 23 00-0075)*		
23 05 23 00-0091		**Flanged Cast Iron Foot Valves, ASTM A126 Grade B (SSI 125FVIB)** *(23 05 23 00-0090)*		
23 05 23 00-0092	EA	2" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,247.21	79.63
23 05 23 00-0093	EA	2-1/2" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,486.40	86.87
23 05 23 00-0094	EA	3" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,833.22	101.65
23 05 23 00-0095	EA	4" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	2,287.68	170.63
23 05 23 00-0096	EA	6" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	3,559.28	215.76
23 05 23 00-0097	EA	8" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	4,922.74	273.00
23 05 23 00-0098	EA	10" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	7,432.95	334.44
23 05 23 00-0099	EA	12" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	11,848.41	405.38
23 05 23 00-0100		**Flanged Cast Steel Foot Valve, ASTM A216 WBC (SSI 150FVFS)** *(23 05 23 00-0090)*		
23 05 23 00-0101	EA	2" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	1,502.73	79.63
23 05 23 00-0102	EA	4" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	2,199.51	170.63
23 05 23 00-0103	EA	6" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	3,348.16	215.76
23 05 23 00-0104	EA	8" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	5,005.59	273.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0105	EA	10" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	6,909.24	334.44
23 05 23 00-0106	EA	12" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	10,154.12	405.38
23 05 23 00-0107		Flanged Cast Stainless Steel Foot Valve, ASTM A351 Grade CF8M (SSI 150FVFSS) *(23 05 23 00-0090)*		
23 05 23 00-0108	EA	2" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	970.77	79.63
23 05 23 00-0109	EA	4" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	1,659.09	170.63
23 05 23 00-0110	EA	6" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	2,579.82	129.07
23 05 23 00-0111	EA	8" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	3,834.93	273.00
23 05 23 00-0112	EA	10" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	5,564.30	334.44
23 05 23 00-0113	EA	12" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	9,434.87	405.38
23 05 23 00-0114		Float Valves *(23 05 23)*		
23 05 23 00-0115		Float Valve Assembly For Maintaining Liquid Level In Tanks *(23 05 23 00-0114)*		
23 05 23 00-0116		Single Seat, Bronze Construction *(23 05 23 00-0115)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0117	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve	240.30	27.24
23 05 23 00-0118	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve	275.54	32.43
23 05 23 00-0119	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve	356.95	35.02
23 05 23 00-0120	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	594.59	44.11
23 05 23 00-0121	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	607.56	50.59
23 05 23 00-0122		Double Seat, Bronze Construction *(23 05 23 00-0115)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0123	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	1,280.64	27.24
23 05 23 00-0124	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	1,291.02	32.43
23 05 23 00-0125	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	1,489.98	35.02
23 05 23 00-0126	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	1,647.47	44.11
23 05 23 00-0127	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	1,883.38	50.59
23 05 23 00-0128	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	2,470.04	59.67
23 05 23 00-0129	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	2,873.13	80.02
23 05 23 00-0130	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	3,455.54	91.97
23 05 23 00-0131		Float Valve Single Seated Balanced For Air Oil Or Water *(23 05 23 00-0114)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0132		Brass Body Threaded Ends *(23 05 23 00-0131)*		
23 05 23 00-0133	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	255.66	35.15
23 05 23 00-0134	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	288.94	39.05
23 05 23 00-0135	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	357.12	43.19
23 05 23 00-0136	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	570.93	69.79
23 05 23 00-0137	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	598.94	79.52
23 05 23 00-0138	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	675.71	98.58
23 05 23 00-0139		Cast Iron Body Flanged *(23 05 23 00-0131)*		
23 05 23 00-0140	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	8,052.85	173.19
23 05 23 00-0141	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	9,736.80	203.05
23 05 23 00-0142		Float Operated Valves *(23 05 23 00-0114)*		
23 05 23 00-0143		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0142)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0144	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	902.15	60.97
23 05 23 00-0145		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0142)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0146	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,138.77	113.47
23 05 23 00-0147		Needle Valves *(23 05 23)*		
23 05 23 00-0148		Bronze Needle Valve *(23 05 23 00-0147)*		
		Note: For heating and cooling applications.		
23 05 23 00-0149	EA	1/4" Needle Valve, Bronze	125.61	12.97
23 05 23 00-0150	EA	3/8" Needle Valve, Bronze	139.97	12.97
23 05 23 00-0151	EA	1/2" Needle Valve, Bronze	153.04	12.97
23 05 23 00-0152	EA	3/4" Needle Valve, Bronze	232.02	14.27
23 05 23 00-0153	EA	1" Needle Valve, Bronze	354.75	16.22
23 05 23 00-0154		Eccentric Valves With Taps *(23 05 23)*		
23 05 23 00-0155		Screwed Eccentric Valves With Taps *(23 05 23 00-0154)*		
23 05 23 00-0156	EA	1/2" Diameter Eccentric Valves With Taps, Screwed	315.21	12.97
23 05 23 00-0157	EA	3/4" Diameter Eccentric Valves With Taps, Screwed	333.97	14.27
23 05 23 00-0158	EA	1" Diameter Eccentric Valves With Taps, Screwed	421.55	16.22
23 05 23 00-0159	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed	511.25	17.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0160	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed	558.19	19.97
23 05 23 00-0161	EA	2" Diameter Eccentric Valves With Taps, Screwed	656.25	23.60
23 05 23 00-0162	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed	991.96	31.89
23 05 23 00-0163	EA	3" Diameter Eccentric Valves With Taps, Screwed	1,205.71	37.02
23 05 23 00-0164		Flanged Eccentric Valves With Taps *(23 05 23 00-0154)*		
23 05 23 00-0165	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged	1,205.49	173.19
23 05 23 00-0166	EA	3" Diameter Eccentric Valves With Taps, Flanged	1,431.70	203.05
23 05 23 00-0167	EA	4" Diameter Eccentric Valves With Taps, Flanged	1,919.57	340.40
23 05 23 00-0168	EA	5" Diameter Eccentric Valves With Taps, Flanged	2,554.97	362.29
23 05 23 00-0169	EA	6" Diameter Eccentric Valves With Taps, Flanged	3,238.63	402.55
23 05 23 00-0170	EA	8" Diameter Eccentric Valves With Taps, Flanged	5,580.54	514.37
23 05 23 00-0171	EA	10" Diameter Eccentric Valves With Taps, Flanged	7,827.10	626.18
23 05 23 00-0172	EA	12" Diameter Eccentric Valves With Taps, Flanged	13,460.42	760.36
23 05 23 00-0173		Earthquake-Sensitive Gas Shut-Off Valves *(23 05 23)*		
23 05 23 00-0174		0.5 PSI Threaded Earthquake Gas Shutoff Valves *(23 05 23 00-0173)*		
23 05 23 00-0175	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	189.61	14.27
23 05 23 00-0176	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	214.93	16.22
23 05 23 00-0177		7 PSI Threaded Earthquake Gas Shutoff Valves *(23 05 23 00-0173)*		
23 05 23 00-0178	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	251.46	17.26
23 05 23 00-0179	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	338.09	19.97
23 05 23 00-0180		60 PSI Threaded Earthquake Gas Shutoff Valves *(23 05 23 00-0173)*		
23 05 23 00-0181	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	233.60	14.27
23 05 23 00-0182	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	245.48	16.22
23 05 23 00-0183	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	275.91	17.26
23 05 23 00-0184	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	374.75	19.97
23 05 23 00-0185	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	851.19	23.60
23 05 23 00-0186	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,014.18	31.78
23 05 23 00-0187	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,314.19	37.02
23 05 23 00-0188	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,522.80	41.80
23 05 23 00-0189		60 PSI Flanged Earthquake Gas Shutoff Valves *(23 05 23 00-0173)*		
23 05 23 00-0190	EA	2" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,193.88	172.92
23 05 23 00-0191	EA	3" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,470.12	203.05
23 05 23 00-0192	EA	4" Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,076.42	340.40
23 05 23 00-0193	EA	6" Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,376.93	402.55
23 05 23 00-0194	EA	8" Flanged, 60 PSI Earthquake Gas Shutoff Valve	9,071.45	514.37
23 05 23 00-0195		Emergency Shut-Off Valve With Fusible Link *(23 05 23)*		
23 05 23 00-0196		Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) *(23 05 23 00-0195)* Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165º F.		
23 05 23 00-0197	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	95.94	20.89
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0198	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	97.98	22.05
		For Work In Restricted Working Space, Add	*11.94*	
23 05 23 00-0199	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	161.56	20.89
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0200	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	322.21	28.15
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0201	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	821.86	34.12
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0202		Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(23 05 23 00-0195)* Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0203	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	620.30	19.97
23 05 23 00-0204	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	667.80	23.60
23 05 23 00-0205	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,123.54	37.02
23 05 23 00-0206		Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(23 05 23 00-0195)* Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0207	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	774.46	172.92
23 05 23 00-0208	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,254.62	203.05
23 05 23 00-0209	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,859.10	340.40
23 05 23 00-0210		Synthetic Sleeve Check Valve *(23 05 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0211		**Synthetic Sleeve Fall-Out Flap/Duckbill Check Valve** *(23 05 23 00-0210)*		
		Note: Model red valve series TF1, TF2 Or 35. For 35 series valves, select the valve and flange.		
23 05 23 00-0212	EA	4" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	1,431.62	254.41
23 05 23 00-0213	EA	8" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	3,060.92	319.24
23 05 23 00-0214	EA	12" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	4,950.92	473.99
23 05 23 00-0215	EA	20" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	13,477.12	768.86
23 05 23 00-0216	EA	24" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	14,466.27	946.20
23 05 23 00-0217	EA	30" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	24,822.06	1,509.88
23 05 23 00-0218	EA	36" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	30,177.79	3,019.76
23 05 23 00-0219	EA	48" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	53,319.20	4,018.07
23 05 23 00-0220	EA	54" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	71,227.47	4,467.58
23 05 23 00-0221	EA	4" Rounded Bottom, 316 Stainless Steel Flange, Addition	561.30	
23 05 23 00-0222	EA	8" Rounded Bottom, 316 Stainless Steel Flange, Addition	988.26	
23 05 23 00-0223	EA	12" Rounded Bottom, 316 Stainless Steel Flange, Addition	1,539.97	
23 05 23 00-0224	EA	20" Rounded Bottom, 316 Stainless Steel Flange, Addition	4,586.31	
23 05 23 00-0225	EA	24" Rounded Bottom, 316 Stainless Steel Flange, Addition	6,315.78	
23 05 23 00-0226	EA	30" Rounded Bottom, 316 Stainless Steel Flange, Addition	8,546.57	
23 05 23 00-0227	EA	36" Rounded Bottom, 316 Stainless Steel Flange, Addition	9,566.02	
23 05 23 00-0228	EA	48" Rounded Bottom, 316 Stainless Steel Flange, Addition	11,345.85	
23 05 23 00-0229	EA	54" Rounded Bottom, 316 Stainless Steel Flange, Addition	18,911.24	
23 05 23 00-0230		**Synthetic Sleeve In-Line Flap/Duckbill Check Valve** *(23 05 23 00-0210)*		
		Note: Cast iron body. Model red valve Series 39.		
23 05 23 00-0231	EA	4" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	3,602.62	340.40
23 05 23 00-0232	EA	8" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	9,982.97	514.37
23 05 23 00-0233	EA	12" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	15,862.35	760.36
23 05 23 00-0234	EA	18" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	21,324.39	1,303.07
23 05 23 00-0235	EA	20" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	35,355.56	1,468.62
23 05 23 00-0236	EA	24" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	40,350.17	1,802.40
23 05 23 00-0237	EA	4" Viton Sleeve Material, Addition	4,766.62	
23 05 23 00-0238	EA	8" Viton Sleeve Material, Addition	5,763.93	
23 05 23 00-0239	EA	12" Viton Sleeve Material, Addition	6,628.26	
23 05 23 00-0240	EA	18" Viton Sleeve Material, Addition	7,400.54	
23 05 23 00-0241	EA	20" Viton Sleeve Material, Addition	8,275.10	
23 05 23 00-0242	EA	24" Viton Sleeve Material, Addition	9,369.58	
23 05 23 00-0243		**Synthetic Sleeve In-Line Flap/Duckbill Check Valve** *(23 05 23 00-0210)*		
		Note: 316 Stainless steel body. Model red valve Series 2633.		
23 05 23 00-0244	EA	1/2" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	376.38	12.97
23 05 23 00-0245	EA	3/4" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	416.89	14.27
23 05 23 00-0246	EA	1" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	515.28	16.22
23 05 23 00-0247	EA	1-1/2" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	656.37	19.97
23 05 23 00-0248	EA	2" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	737.97	23.60
23 05 23 00-0249	EA	3" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	950.87	37.02
23 05 23 00-0250	EA	1/2" Viton Sleeve Material, Addition	202.28	
23 05 23 00-0251	EA	3/4" Viton Sleeve Material, Addition	239.06	
23 05 23 00-0252	EA	1" Viton Sleeve Material, Addition	297.91	
23 05 23 00-0253	EA	1-1/2" Viton Sleeve Material, Addition	349.40	
23 05 23 00-0254	EA	2" Viton Sleeve Material, Addition	478.13	
23 05 23 00-0255	EA	3" Viton Sleeve Material, Addition	374.08	
23 05 23 00-0256		**Solenoid Valves** *(23 05 23)*		
23 05 23 00-0257		**Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure** *(23 05 23 00-0256)*		
23 05 23 00-0258	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water	144.53	12.97
23 05 23 00-0259	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water	167.73	12.97
23 05 23 00-0260	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water	214.71	14.27
23 05 23 00-0261	EA	1" Solenoid Valve, Bronze, 150 PSI, Water	316.23	16.22
23 05 23 00-0262	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	557.53	19.97
23 05 23 00-0263	EA	2" Solenoid Valve, Bronze, 150 PSI, Water	872.64	23.60
23 05 23 00-0264	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	1,188.54	31.89
23 05 23 00-0265	EA	3" Solenoid Valve, Bronze, 150 PSI, Water	1,723.72	37.02
23 05 23 00-0266		**Polyvinyl Chloride (PVC) Body Solenoid Valves** *(23 05 23 00-0256)*		
23 05 23 00-0267	EA	1/2" Polyvinyl Chloride (PVC) Solenoid Valve, Viton Seals	222.53	12.97
23 05 23 00-0268	EA	3/4" Polyvinyl Chloride (PVC) Solenoid Valve, Viton Seals	302.12	14.27
23 05 23 00-0269	EA	1" Polyvinyl Chloride (PVC) Solenoid Valve, Viton Seals	336.71	16.22
23 05 23 00-0270	EA	1/2" Polyvinyl Chloride (PVC) Solenoid Valve, Ethylene Propylene Diene Monomer (EPDM) Seals	218.40	12.97
23 05 23 00-0271	EA	3/4" Polyvinyl Chloride (PVC) Solenoid Valve, Ethylene Propylene Diene Monomer (EPDM) Seals	295.93	14.27
23 05 23 00-0272	EA	1" Polyvinyl Chloride (PVC) Solenoid Valve, Ethylene Propylene Diene Monomer (EPDM) Seals	329.49	16.22

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0273		Gate Valves *(23 05 23)*		
23 05 23 00-0274		Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0273)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0275	EA	1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	71.28	12.97
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0276	EA	3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve	73.27	12.97
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*11.93*	
23 05 23 00-0277	EA	1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	75.36	12.97
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0278	EA	3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	96.38	14.27
		For 150 Lb. Rating, Add	*4.00*	
		For 200 Lb. Rating, Add	*6.00*	
		For 250 Lb. Rating, Add	*10.00*	
		For 300 Lb. Rating, Add	*13.99*	
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0279	EA	1" Diameter, 125 Lb., Threaded Bronze Gate Valve	128.67	16.22
		For 150 Lb. Rating, Add	*6.04*	
		For 200 Lb. Rating, Add	*9.06*	
		For 250 Lb. Rating, Add	*15.10*	
		For 300 Lb. Rating, Add	*21.14*	
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0280	EA	1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	167.91	17.26
		For 150 Lb. Rating, Add	*8.14*	
		For 200 Lb. Rating, Add	*12.21*	
		For 250 Lb. Rating, Add	*20.36*	
		For 300 Lb. Rating, Add	*28.50*	
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0281	EA	1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	202.39	19.97
		For 150 Lb. Rating, Add	*10.26*	
		For 200 Lb. Rating, Add	*15.39*	
		For 250 Lb. Rating, Add	*25.65*	
		For 300 Lb. Rating, Add	*35.91*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0282	EA	2" Diameter, 125 Lb., Threaded Bronze Gate Valve	258.13	23.60
		For 150 Lb. Rating, Add	*14.02*	
		For 200 Lb. Rating, Add	*21.03*	
		For 250 Lb. Rating, Add	*35.05*	
		For 300 Lb. Rating, Add	*49.07*	
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0283	EA	2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	559.11	31.89
		For Chain Operated Type, Add	*179.94*	
		For 150 Lb. Rating, Add	*39.99*	
		For 200 Lb. Rating, Add	*59.98*	
		For 250 Lb. Rating, Add	*99.97*	
		For 300 Lb. Rating, Add	*139.95*	
		For Work In Restricted Working Space, Add	*47.78*	
23 05 23 00-0284	EA	3" Diameter, 125 Lb., Threaded Bronze Gate Valve	661.73	37.02
		For Chain Operated Type, Add	*215.09*	
		For 150 Lb. Rating, Add	*47.80*	
		For 200 Lb. Rating, Add	*71.70*	
		For 250 Lb. Rating, Add	*119.50*	
		For 300 Lb. Rating, Add	*167.29*	
		For Work In Restricted Working Space, Add	*55.13*	
23 05 23 00-0285	EA	4" Diameter, 125 Lb., Threaded Bronze Gate Valve	1,347.70	41.80
		For Chain Operated Type, Add	*512.41*	
		For 150 Lb. Rating, Add	*113.87*	
		For 200 Lb. Rating, Add	*170.80*	
		For 250 Lb. Rating, Add	*284.67*	
		For 300 Lb. Rating, Add	*398.54*	
		For Work In Restricted Working Space, Add	*62.71*	
23 05 23 00-0286		Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0273)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0287	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	297.69	19.97
		For 150 Lb. Rating, Add	*39.58*	
		For 250 Lb. Rating, Add	*69.27*	
		For Chain Operated Type, Add	*69.27*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0288	EA	2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	452.35	23.60
		For 150 Lb. Rating, Add	*66.88*	
		For 250 Lb. Rating, Add	*117.05*	
		For Chain Operated Type, Add	*117.05*	
		For Work In Restricted Working Space, Add	*35.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0289	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	662.22	31.89
		For 150 Lb. Rating, Add	*100.59*	
		For 250 Lb. Rating, Add	*176.04*	
		For Chain Operated Type, Add	*176.04*	
		For Work In Restricted Working Space, Add	*47.78*	
23 05 23 00-0290	EA	3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	843.67	37.02
		For 150 Lb. Rating, Add	*131.98*	
		For 250 Lb. Rating, Add	*230.97*	
		For Chain Operated Type, Add	*230.97*	
		For Work In Restricted Working Space, Add	*55.13*	
23 05 23 00-0291	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,985.46	41.80
		For 150 Lb. Rating, Add	*355.29*	
		For 250 Lb. Rating, Add	*621.75*	
		For Chain Operated Type, Add	*621.75*	
		For Work In Restricted Working Space, Add	*62.71*	

23 05 23 00-0292 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0273)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0293	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	778.63	136.20
		For 150 Lb. Rating, Add	*176.31*	
		For 250 Lb. Rating, Add	*303.98*	
		For 300 Lb. Rating, ASTM A182, Add	*693.29*	
		For Chain Operated Type, Add	*303.98*	
		For Work In Restricted Working Space, Add	*51.20*	
23 05 23 00-0294	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	852.02	172.92
		For 150 Lb. Rating, Add	*184.39*	
		For 250 Lb. Rating, Add	*317.91*	
		For 300 Lb. Rating, ASTM A182, Add	*743.92*	
		For Chain Operated Type, Add	*317.91*	
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0295	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	980.03	173.19
		For 150 Lb. Rating, Add	*221.23*	
		For 250 Lb. Rating, Add	*381.43*	
		For 300 Lb. Rating, ASTM A182, Add	*871.45*	
		For Chain Operated Type, Add	*381.43*	
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0296	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,207.66	203.05
		For 150 Lb. Rating, Add	*276.52*	
		For 250 Lb. Rating, Add	*476.77*	
		For 300 Lb. Rating, ASTM A182, Add	*1,080.60*	
		For Chain Operated Type, Add	*476.77*	
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0297	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,698.02	340.40
		For 150 Lb. Rating, Add	*368.72*	
		For 250 Lb. Rating, Add	*635.72*	
		For 300 Lb. Rating, ASTM A182, Add	*1,484.73*	
		For Chain Operated Type, Add	*635.72*	
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-0298	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,104.89	362.29
		For 150 Lb. Rating, Add	*479.29*	
		For 250 Lb. Rating, Add	*826.36*	
		For 300 Lb. Rating, ASTM A182, Add	*1,878.81*	
		For Chain Operated Type, Add	*826.36*	
		For Work In Restricted Working Space, Add	*135.65*	
23 05 23 00-0299	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,538.88	402.55
		For 150 Lb. Rating, Add	*589.83*	
		For 250 Lb. Rating, Add	*1,016.95*	
		For 300 Lb. Rating, ASTM A182, Add	*2,286.39*	
		For Chain Operated Type, Add	*1,016.95*	
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0300	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,008.12	514.37
		For 150 Lb. Rating, Add	*977.06*	
		For 250 Lb. Rating, Add	*1,684.58*	
		For 300 Lb. Rating, ASTM A182, Add	*3,688.64*	
		For Chain Operated Type, Add	*1,684.58*	
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0301	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,232.25	626.18
		For 150 Lb. Rating, Add	*1,290.36*	
		For 250 Lb. Rating, Add	*2,224.77*	
		For 300 Lb. Rating, ASTM A182, Add	*4,840.89*	
		For Chain Operated Type, Add	*2,224.77*	
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-0302	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,305.55	760.36
		For 150 Lb. Rating, Add	*1,843.47*	
		For 250 Lb. Rating, Add	*3,178.40*	
		For 300 Lb. Rating, ASTM A182, Add	*6,831.17*	
		For Chain Operated Type, Add	*3,178.40*	
		For Work In Restricted Working Space, Add	*284.63*	

23 05 23 00-0303 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0273)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0304	EA	1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	584.91	19.97
		For 175 Lb. Rating, Add	*242.57*	
		For 250 Lb. Rating, Add	*363.85*	
		For Work In Restricted Working Space, Add	*29.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0305	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	745.08	23.60
		For 175 Lb. Rating, Add	*313.58*	
		For 250 Lb. Rating, Add	*470.36*	
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0306	EA	2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	866.44	31.89
		For 175 Lb. Rating, Add	*353.60*	
		For 250 Lb. Rating, Add	*530.39*	
		For Work In Restricted Working Space, Add	*47.78*	
23 05 23 00-0307	EA	3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	964.06	37.02
		For 175 Lb. Rating, Add	*390.16*	
		For 250 Lb. Rating, Add	*585.23*	
		For Work In Restricted Working Space, Add	*55.13*	
23 05 23 00-0308	EA	4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,286.52	41.80
		For 175 Lb. Rating, Add	*538.75*	
		For 250 Lb. Rating, Add	*808.13*	
		For Work In Restricted Working Space, Add	*62.71*	

23 05 23 00-0309 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0273)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0310	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,047.08	136.20
		For 150 Lb. Rating, Add	*131.46*	
		For 175 Lb. Rating, Add	*271.68*	
		For 250 Lb. Rating, Add	*569.66*	
		For Chain Operated Type, Add	*438.20*	
		For Work In Restricted Working Space, Add	*51.20*	
23 05 23 00-0311	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,118.64	172.92
		For 150 Lb. Rating, Add	*135.37*	
		For 175 Lb. Rating, Add	*279.76*	
		For 250 Lb. Rating, Add	*586.59*	
		For Chain Operated Type, Add	*451.22*	
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0312	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,149.06	173.19
		For 150 Lb. Rating, Add	*139.78*	
		For 175 Lb. Rating, Add	*288.89*	
		For 250 Lb. Rating, Add	*605.73*	
		For Chain Operated Type, Add	*465.95*	
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0313	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,279.46	203.05
		For 150 Lb. Rating, Add	*153.80*	
		For 175 Lb. Rating, Add	*317.85*	
		For 250 Lb. Rating, Add	*666.46*	
		For Chain Operated Type, Add	*512.67*	
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0314	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,670.04	340.40
		For 150 Lb. Rating, Add	*186.52*	
		For 175 Lb. Rating, Add	*385.47*	
		For 250 Lb. Rating, Add	*808.25*	
		For Chain Operated Type, Add	*621.73*	
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-0315	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,187.07	362.29
		For 150 Lb. Rating, Add	*260.24*	
		For 175 Lb. Rating, Add	*537.82*	
		For 250 Lb. Rating, Add	*1,127.69*	
		For Chain Operated Type, Add	*867.45*	
		For Work In Restricted Working Space, Add	*135.65*	
23 05 23 00-0316	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,486.31	402.55
		For 150 Lb. Rating, Add	*297.20*	
		For 175 Lb. Rating, Add	*614.21*	
		For 250 Lb. Rating, Add	*1,287.86*	
		For Chain Operated Type, Add	*990.66*	
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0317	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,989.91	514.37
		For 150 Lb. Rating, Add	*502.64*	
		For 175 Lb. Rating, Add	*1,038.79*	
		For 250 Lb. Rating, Add	*2,178.12*	
		For Chain Operated Type, Add	*1,675.48*	
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0318	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,939.83	626.18
		For 150 Lb. Rating, Add	*773.57*	
		For 175 Lb. Rating, Add	*1,598.70*	
		For 250 Lb. Rating, Add	*3,352.12*	
		For Chain Operated Type, Add	*2,578.56*	
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-0319	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,484.96	760.36
		For 150 Lb. Rating, Add	*980.43*	
		For 175 Lb. Rating, Add	*2,026.22*	
		For 250 Lb. Rating, Add	*4,248.53*	
		For Chain Operated Type, Add	*3,268.10*	
		For Work In Restricted Working Space, Add	*284.63*	
23 05 23 00-0320	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	15,273.50	1,068.09
		For 150 Lb. Rating, Add	*2,090.76*	
		For 175 Lb. Rating, Add	*4,320.90*	
		For 250 Lb. Rating, Add	*9,059.95*	
		For Work In Restricted Working Space, Add	*400.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0321	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	20,008.09	1,174.90
		For 150 Lb. Rating, Add	*2,780.92*	
		For 175 Lb. Rating, Add	*5,747.24*	
		For 250 Lb. Rating, Add	*12,050.66*	
		For Work In Restricted Working Space, Add	*440.59*	
23 05 23 00-0322	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	27,584.42	1,303.07
		For 150 Lb. Rating, Add	*3,893.34*	
		For 175 Lb. Rating, Add	*8,046.23*	
		For 250 Lb. Rating, Add	*16,871.13*	
		For Work In Restricted Working Space, Add	*488.65*	
23 05 23 00-0323	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	35,202.13	1,468.62
		For 150 Lb. Rating, Add	*5,004.95*	
		For 175 Lb. Rating, Add	*10,343.57*	
		For 250 Lb. Rating, Add	*21,688.13*	
		For Work In Restricted Working Space, Add	*550.73*	
23 05 23 00-0324	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	48,282.60	1,802.40
		For 150 Lb. Rating, Add	*6,904.44*	
		For 175 Lb. Rating, Add	*14,269.18*	
		For 250 Lb. Rating, Add	*29,919.24*	
		For Work In Restricted Working Space, Add	*675.90*	
23 05 23 00-0325	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	101,484.46	2,937.25
		For 150 Lb. Rating, Add	*14,671.94*	
		For 175 Lb. Rating, Add	*30,322.00*	
		For 250 Lb. Rating, Add	*63,578.39*	
		For Work In Restricted Working Space, Add	*1,101.47*	
23 05 23 00-0326	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	129,175.33	3,916.33
		For 150 Lb. Rating, Add	*18,641.99*	
		For 175 Lb. Rating, Add	*38,526.78*	
		For 250 Lb. Rating, Add	*80,781.95*	
		For Work In Restricted Working Space, Add	*1,468.62*	

23 05 23 00-0327 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0273)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0328	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	176.80	12.97
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0329	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	180.88	12.97
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0330	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	214.09	14.27
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0331	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	259.88	16.22
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0332	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	395.61	17.26
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0333	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	467.71	19.97
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0334	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	587.60	23.60
		For Work In Restricted Working Space, Add	*35.38*	

23 05 23 00-0335 Cast Steel Flanged Gate Valves *(23 05 23 00-0273)*

23 05 23 00-0336 Class 150, Cast Steel, Flanged, Gate Valves *(23 05 23 00-0335)*

23 05 23 00-0337	EA	2" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	2,303.18	172.92
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0338	EA	2-1/2" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	3,210.51	173.19
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0339	EA	3" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	3,247.47	203.05
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0340	EA	4" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	4,213.37	340.40
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-0341	EA	6" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	6,240.87	402.55
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0342	EA	8" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	9,681.65	514.37
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0343	EA	10" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	13,980.81	626.18
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-0344	EA	12" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	17,830.22	760.36
		For Work In Restricted Working Space, Add	*284.63*	

23 05 23 00-0345 Class 300, Cast Steel, Flanged, Gate Valves *(23 05 23 00-0335)*

23 05 23 00-0346	EA	2" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	3,024.47	172.92
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0347	EA	2-1/2" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	3,932.36	173.19
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0348	EA	3" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	3,969.32	203.05
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0349	EA	4" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	5,671.87	340.40
		For Work In Restricted Working Space, Add	*127.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0350	EA	6" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	9,192.34	402.55
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0351	EA	8" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	13,786.67	514.37
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0352	EA	10" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	17,757.00	626.18
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-0353	EA	12" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	30,142.56	760.36
		For Work In Restricted Working Space, Add	*284.63*	

23 05 23 00-0354 Class 600, Cast Steel, Flanged, Gate Valves *(23 05 23 00-0335)*

23 05 23 00-0355	EA	2" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	4,453.80	172.92
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0356	EA	2-1/2" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	5,658.70	173.19
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0357	EA	3" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	5,695.66	203.05
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0358	EA	4" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	8,565.00	340.40
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-0359	EA	6" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	16,691.68	402.55
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0360	EA	8" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	35,587.25	514.37
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0361	EA	10" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	53,007.59	626.18
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-0362	EA	12" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	70,726.00	760.36
		For Work In Restricted Working Space, Add	*284.63*	

23 05 23 00-0363 Ball Valves *(23 05 23)*

See CSI section 23 23 13 00-0000 for refrigeration valves.

23 05 23 00-0364 Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0363)*

Note: 125 Lb. WSP.

23 05 23 00-0365	EA	1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	56.88	12.97
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*6.76*	
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0366	EA	3/4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	79.51	14.27
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*10.40*	
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0367	EA	1" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	99.47	16.22
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*14.04*	
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0368	EA	1-1/4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	138.86	17.26
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*23.57*	
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0369	EA	1-1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	166.68	19.97
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*30.11*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0370	EA	2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	201.73	23.60
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0371	EA	2-1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	554.72	31.89
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*177.96*	
		For Work In Restricted Working Space, Add	*47.78*	
23 05 23 00-0372	EA	3" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	640.04	37.02
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*205.33*	
		For Work In Restricted Working Space, Add	*55.13*	
23 05 23 00-0373	EA	4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	831.11	41.80
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*279.94*	
		For Work In Restricted Working Space, Add	*62.71*	

23 05 23 00-0374 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0363)*

23 05 23 00-0375	EA	1/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	66.53	12.97
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0376	EA	1/2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	73.07	12.97
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0377	EA	3/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	101.55	14.27
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0378	EA	1" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	128.99	16.22
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0379	EA	1-1/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	190.24	17.26
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0380	EA	1-1/2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	231.23	19.97
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0381	EA	2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	298.93	23.60
		For Work In Restricted Working Space, Add	*35.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0382		**Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves** *(23 05 23 00-0363)*		
23 05 23 00-0383	EA	1-1/2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	627.14	136.20
		For 150 Lb. Rating, Add	*132.37*	
		For 250 Lb. Rating, Add	*228.23*	
		For 300 Lb. Rating, ASTM A182, Add	*541.80*	
		For Chain Operated Type, Add	*228.23*	
		For Work In Restricted Working Space, Add	*51.20*	
		For Work In Restricted Working Space, Add	*51.20*	
23 05 23 00-0384	EA	2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	782.48	172.92
		For 150 Lb. Rating, Add	*164.22*	
		For 250 Lb. Rating, Add	*283.14*	
		For 300 Lb. Rating, ASTM A182, Add	*674.38*	
		For Chain Operated Type, Add	*283.14*	
		For Work In Restricted Working Space, Add	*64.86*	
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0385	EA	2-1/2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,251.62	173.19
		For 150 Lb. Rating, Add	*299.99*	
		For 250 Lb. Rating, Add	*517.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,143.04*	
		For Chain Operated Type, Add	*517.23*	
		For Work In Restricted Working Space, Add	*65.15*	
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0386	EA	3" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,372.58	203.05
		For 150 Lb. Rating, Add	*324.35*	
		For 250 Lb. Rating, Add	*559.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,245.52*	
		For Chain Operated Type, Add	*559.23*	
		For Work In Restricted Working Space, Add	*76.24*	
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0387	EA	4" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,997.55	340.40
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-0388	EA	6" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,764.43	402.55
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0389	EA	8" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	8,196.44	514.37
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0390		**Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves** *(23 05 23 00-0363)*		
23 05 23 00-0391	EA	1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	48.14	12.97
		For True Union Socket Or Thread Type, Add	*4.71*	
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0392	EA	3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	63.64	14.27
		For True Union Socket Or Thread Type, Add	*5.86*	
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0393	EA	1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	78.37	16.22
		For True Union Socket Or Thread Type, Add	*7.62*	
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0394	EA	1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	99.73	17.26
		For True Union Socket Or Thread Type, Add	*9.84*	
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0395	EA	1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	122.84	19.97
		For True Union Socket Or Thread Type, Add	*14.46*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0396	EA	2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	147.31	23.60
		For True Union Socket Or Thread Type, Add	*17.94*	
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0397	EA	2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	222.47	31.89
		For True Union Socket Or Thread Type, Add	*33.65*	
		For Work In Restricted Working Space, Add	*47.78*	
23 05 23 00-0398	EA	3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	291.25	37.02
		For True Union Socket Or Thread Type, Add	*52.65*	
		For Work In Restricted Working Space, Add	*55.13*	
23 05 23 00-0399	EA	4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	414.56	41.80
		For True Union Socket Or Thread Type, Add	*93.19*	
		For Work In Restricted Working Space, Add	*62.71*	
23 05 23 00-0400		**Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves** *(23 05 23 00-0363)*		
23 05 23 00-0401	EA	1/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	101.86	19.46
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*17.00*	
23 05 23 00-0402	EA	3/8" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	104.83	19.46
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*17.89*	
23 05 23 00-0403	EA	1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	107.95	19.46
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*18.83*	
23 05 23 00-0404	EA	3/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	132.52	21.40
		For Full Port, Add	*21.56*	
		For Work In Restricted Working Space, Add	*25.38*	
23 05 23 00-0405	EA	1" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	173.40	24.32
		For Full Port, Add	*31.94*	
		For Work In Restricted Working Space, Add	*30.73*	
23 05 23 00-0406	EA	1-1/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	226.87	25.88
		For Full Port, Add	*43.72*	
		For Work In Restricted Working Space, Add	*38.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0407	EA	1-1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	278.85	29.96
		For Full Port, Add	*58.13*	
		For Work In Restricted Working Space, Add	*44.90*	
23 05 23 00-0408	EA	2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	387.11	35.42
		For Full Port, Add	*94.60*	
		For Work In Restricted Working Space, Add	*53.06*	
23 05 23 00-0409	EA	2-1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	749.05	47.83
		For Full Port, Add	*229.58*	
		For Work In Restricted Working Space, Add	*71.66*	
23 05 23 00-0410	EA	3" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	1,085.76	55.54
		For Full Port, Add	*364.55*	
		For Work In Restricted Working Space, Add	*82.69*	

23 05 23 00-0411 Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valves *(23 05 23 00-0363)*

23 05 23 00-0412	EA	1/2" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	112.77	12.97
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0413	EA	3/4" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	157.95	14.27
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0414	EA	1" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	203.68	16.22
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0415	EA	1-1/4" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	281.52	17.26
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0416	EA	1-1/2" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	360.90	19.97
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0417	EA	2" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	485.44	23.60
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0418	EA	2-1/2" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	957.13	31.89
		For Work In Restricted Working Space, Add	*47.78*	
23 05 23 00-0419	EA	3" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	1,295.94	37.02
		For Work In Restricted Working Space, Add	*55.13*	

23 05 23 00-0420 Wye Strainer, Union With Two Pressure Ports, Ball Valves *(23 05 23 00-0363)*

23 05 23 00-0421	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	184.04	12.97
23 05 23 00-0422	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	236.21	16.86
23 05 23 00-0423	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	304.22	20.76
23 05 23 00-0424	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	414.84	28.53
23 05 23 00-0425	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	518.44	33.21
23 05 23 00-0426	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	683.55	38.92

23 05 23 00-0427 Plastic Ball Valves *(23 05 23 00-0363)*

Note: Threaded or socket.

23 05 23 00-0428 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0427)*

23 05 23 00-0429	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	77.08	12.97
23 05 23 00-0430	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	80.49	12.97
23 05 23 00-0431	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	102.23	14.27
23 05 23 00-0432	EA	1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	132.60	16.22
23 05 23 00-0433	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	158.23	17.26
23 05 23 00-0434	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	191.14	19.97
23 05 23 00-0435	EA	2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	232.47	23.60

23 05 23 00-0436 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves *(23 05 23 00-0427)*

23 05 23 00-0437	EA	3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	113.58	12.97
23 05 23 00-0438	EA	1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	115.33	12.97
23 05 23 00-0439	EA	3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	145.36	14.27
23 05 23 00-0440	EA	1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	179.42	16.22
23 05 23 00-0441	EA	1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	268.95	17.26
23 05 23 00-0442	EA	1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	298.84	19.97
23 05 23 00-0443	EA	2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	358.46	23.60

23 05 23 00-0444 Viton Liner And Seals, Polypropylene (PP) Ball Valves *(23 05 23 00-0427)*

23 05 23 00-0445	EA	3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	126.02	12.97
23 05 23 00-0446	EA	1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	136.06	12.97
23 05 23 00-0447	EA	3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	156.97	14.27
23 05 23 00-0448	EA	1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	192.69	16.22
23 05 23 00-0449	EA	1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	242.41	17.26
23 05 23 00-0450	EA	1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	290.54	19.97
23 05 23 00-0451	EA	2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	375.04	23.60

23 05 23 00-0452 Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves *(23 05 23 00-0427)*

23 05 23 00-0453	EA	3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	248.77	12.97
23 05 23 00-0454	EA	1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	265.45	12.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0455	EA	3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	316.21	14.27
23 05 23 00-0456	EA	1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	370.18	16.22
23 05 23 00-0457	EA	1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	451.42	17.26
23 05 23 00-0458	EA	1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	497.89	19.97
23 05 23 00-0459	EA	2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	574.10	23.60

23 05 23 00-0460 Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0427)*

23 05 23 00-0461	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	54.20	12.97
23 05 23 00-0462	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	72.62	14.27
23 05 23 00-0463	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	88.19	16.22
23 05 23 00-0464	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	121.65	17.26
23 05 23 00-0465	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	134.95	19.97
23 05 23 00-0466	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	164.29	23.60

23 05 23 00-0467 Plastic, True Union, Ball Valves *(23 05 23 00-0363)*

23 05 23 00-0468 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves *(23 05 23 00-0467)*

Note: Socket or NPT connectors.

23 05 23 00-0469	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	122.70	12.97
23 05 23 00-0470	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	127.77	12.97
23 05 23 00-0471	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	155.31	14.27
23 05 23 00-0472	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	191.03	16.22
23 05 23 00-0473	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	230.80	17.26
23 05 23 00-0474	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	265.66	19.97
23 05 23 00-0475	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	325.28	23.60

23 05 23 00-0476 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves *(23 05 23 00-0467)*

Note: Socket or NPT connectors.

23 05 23 00-0477	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	124.36	12.97
23 05 23 00-0478	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	144.36	12.97
23 05 23 00-0479	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	156.97	14.27
23 05 23 00-0480	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	191.03	16.22
23 05 23 00-0481	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	227.48	17.26
23 05 23 00-0482	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	264.00	19.97
23 05 23 00-0483	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	325.28	23.60

23 05 23 00-0484 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0467)*

Note: Socket or NPT connectors.

23 05 23 00-0485	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	69.71	12.97
23 05 23 00-0486	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	89.79	14.27
23 05 23 00-0487	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	108.09	16.22
23 05 23 00-0488	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	142.05	17.26
23 05 23 00-0489	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	166.13	19.97
23 05 23 00-0490	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	225.75	23.60
23 05 23 00-0491	EA	2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	315.18	31.89
23 05 23 00-0492	EA	3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	396.08	37.02
23 05 23 00-0493	EA	4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	557.37	41.80

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0494		**Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves** *(23 05 23 00-0467)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0495	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	81.32	12.97
23 05 23 00-0496	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	106.37	14.27
23 05 23 00-0497	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	131.31	16.22
23 05 23 00-0498	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	182.69	17.26
23 05 23 00-0499	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	200.97	19.97
23 05 23 00-0500	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	257.27	23.60
23 05 23 00-0501	EA	2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	441.25	31.89
23 05 23 00-0502	EA	3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	515.51	37.02
23 05 23 00-0503	EA	4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	789.60	41.80
23 05 23 00-0504		**Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves** *(23 05 23 00-0467)*		
23 05 23 00-0505		**Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves** *(23 05 23 00-0504)*		
23 05 23 00-0506	EA	1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.21	12.97
23 05 23 00-0507	EA	3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	69.20	12.97
23 05 23 00-0508	EA	1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	70.95	12.97
23 05 23 00-0509	EA	3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	90.78	14.27
23 05 23 00-0510	EA	1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	111.22	16.22
23 05 23 00-0511	EA	1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	135.10	17.26
23 05 23 00-0512	EA	1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	162.41	19.97
23 05 23 00-0513	EA	2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	207.51	23.60
23 05 23 00-0514	EA	2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	380.70	31.89
23 05 23 00-0515	EA	3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	424.28	37.02
23 05 23 00-0516	EA	4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	583.08	41.80
23 05 23 00-0517		**Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves** *(23 05 23 00-0504)*		
23 05 23 00-0518	EA	1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.21	12.97
23 05 23 00-0519	EA	3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	69.20	12.97
23 05 23 00-0520	EA	1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	70.95	12.97
23 05 23 00-0521	EA	3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	90.78	14.27
23 05 23 00-0522	EA	1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	111.22	16.22
23 05 23 00-0523	EA	1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	135.10	17.26
23 05 23 00-0524	EA	1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	162.41	19.97
23 05 23 00-0525	EA	2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	207.51	23.60
23 05 23 00-0526	EA	2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	380.70	31.89
23 05 23 00-0527	EA	3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	424.28	37.02
23 05 23 00-0528	EA	4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	583.08	41.80
23 05 23 00-0529		**Three Piece Ball Valves** *(23 05 23 00-0363)*		
23 05 23 00-0530		**Threaded Or Sweated, Bronze Body, Three Piece Ball Valves** *(23 05 23 00-0529)*		
23 05 23 00-0531	EA	1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	105.84	12.97
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0532	EA	3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	107.83	12.97
		For Work In Restricted Working Space, Add	*11.93*	
23 05 23 00-0533	EA	1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	120.75	12.97
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0534	EA	3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	153.23	14.27
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0535	EA	1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	195.44	16.22
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0536	EA	1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	269.29	17.26
		For Work In Restricted Working Space, Add	*25.95*	
23 05 23 00-0537	EA	1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	336.44	19.97
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0538	EA	2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	546.72	23.60
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0539	EA	2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	1,169.90	33.86
		For Work In Restricted Working Space, Add	*51.88*	
23 05 23 00-0540		**Threaded, Carbon Steel Body, Three Piece Ball Valves** *(23 05 23 00-0529)*		
23 05 23 00-0541	EA	1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve	122.27	12.97
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0542	EA	3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve	133.78	12.97
		For Work In Restricted Working Space, Add	*11.93*	
23 05 23 00-0543	EA	1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve	141.94	12.97
		For Work In Restricted Working Space, Add	*12.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0544	EA	3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve	225.63	14.27
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0545	EA	1" Threaded, Carbon Steel Body, Three Piece Ball Valve	287.96	16.22
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0546	EA	1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve	434.67	17.26
		For Work In Restricted Working Space, Add	*25.95*	
23 05 23 00-0547	EA	1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve	552.23	19.97
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0548	EA	2" Threaded, Carbon Steel Body, Three Piece Ball Valve	717.19	23.60
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0549		**Threaded, Stainless Steel Body, Three Piece Ball Valves** *(23 05 23 00-0529)*		
23 05 23 00-0550	EA	1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve	310.99	12.97
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0551	EA	3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve	333.33	12.97
		For Work In Restricted Working Space, Add	*11.93*	
23 05 23 00-0552	EA	1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve	351.35	12.97
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0553	EA	3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve	509.42	14.27
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0554	EA	1" Threaded, Stainless Steel Body, Three Piece Ball Valve	621.02	16.22
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0555	EA	1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve	725.76	17.26
		For Work In Restricted Working Space, Add	*25.95*	
23 05 23 00-0556	EA	1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve	970.77	19.97
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0557	EA	2" Threaded, Stainless Steel Body, Three Piece Ball Valve	1,262.62	23.60
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0558	EA	3" Threaded, Stainless Steel Body, Three Piece Ball Valve	3,312.25	40.22
		For Work In Restricted Working Space, Add	*59.87*	
23 05 23 00-0559		**Globe Valves** *(23 05 23)*		
23 05 23 00-0560		**Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves** *(23 05 23 00-0559)*		
23 05 23 00-0561	EA	1/8" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	79.99	12.97
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0562	EA	1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	75.91	12.97
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0563	EA	3/8" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	96.69	12.97
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For Work In Restricted Working Space, Add	*11.93*	
23 05 23 00-0564	EA	1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	98.78	12.97
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*79.36*	
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0565	EA	3/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	118.12	13.62
		For 150 Lb. Rating, Add	*19.13*	
		For 200 Lb. Rating, Add	*23.45*	
		For 250 Lb. Rating, Add	*27.77*	
		For 300 Lb. Rating, Add	*33.95*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*90.45*	
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0566	EA	1" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	151.69	13.62
		For 150 Lb. Rating, Add	*25.86*	
		For 200 Lb. Rating, Add	*31.70*	
		For 250 Lb. Rating, Add	*37.53*	
		For 300 Lb. Rating, Add	*45.88*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*119.06*	
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0567	EA	1-1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	230.54	17.26
		For 150 Lb. Rating, Add	*44.66*	
		For 200 Lb. Rating, Add	*54.74*	
		For 250 Lb. Rating, Add	*64.83*	
		For 300 Lb. Rating, Add	*79.23*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*193.06*	
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0568	EA	1-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	305.67	19.97
		For 150 Lb. Rating, Add	*63.83*	
		For 200 Lb. Rating, Add	*78.24*	
		For 250 Lb. Rating, Add	*92.65*	
		For 300 Lb. Rating, Add	*113.24*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*266.39*	
		For Work In Restricted Working Space, Add	*29.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0569	EA	2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	359.97	23.60
		For 150 Lb. Rating, Add	*75.03*	
		For 200 Lb. Rating, Add	*91.98*	
		For 250 Lb. Rating, Add	*108.92*	
		For 300 Lb. Rating, Add	*133.12*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*313.42*	
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0570	EA	2-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	403.28	31.89
		For 150 Lb. Rating, Add	*75.65*	
		For 200 Lb. Rating, Add	*92.73*	
		For 250 Lb. Rating, Add	*109.81*	
		For 300 Lb. Rating, Add	*134.22*	
		For Work In Restricted Working Space, Add	*47.78*	
23 05 23 00-0571	EA	3" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	730.47	37.02
		For 150 Lb. Rating, Add	*169.48*	
		For 200 Lb. Rating, Add	*207.75*	
		For 250 Lb. Rating, Add	*246.02*	
		For 300 Lb. Rating, Add	*300.70*	
		For Work In Restricted Working Space, Add	*55.13*	
23 05 23 00-0572		Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0559)*		
23 05 23 00-0573	EA	2" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	543.18	23.60
		For 150 Lb. Rating, Add	*131.83*	
		For 200 Lb. Rating, Add	*161.60*	
		For 250 Lb. Rating, Add	*191.36*	
		For 300 Lb. Rating, Add	*233.89*	
		For Chain Operated Type, Add	*355.08*	
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0574	EA	2-1/2" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	674.70	31.89
		For 150 Lb. Rating, Add	*159.79*	
		For 200 Lb. Rating, Add	*195.87*	
		For 250 Lb. Rating, Add	*231.95*	
		For 300 Lb. Rating, Add	*283.50*	
		For Chain Operated Type, Add	*430.40*	
		For Work In Restricted Working Space, Add	*47.78*	
23 05 23 00-0575	EA	3" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	802.29	37.02
		For 150 Lb. Rating, Add	*191.75*	
		For 200 Lb. Rating, Add	*235.05*	
		For 250 Lb. Rating, Add	*278.34*	
		For 300 Lb. Rating, Add	*340.20*	
		For Chain Operated Type, Add	*516.48*	
		For Work In Restricted Working Space, Add	*55.13*	
23 05 23 00-0576	EA	4" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,033.68	41.80
		For 150 Lb. Rating, Add	*255.66*	
		For 200 Lb. Rating, Add	*313.39*	
		For 250 Lb. Rating, Add	*371.12*	
		For 300 Lb. Rating, Add	*453.60*	
		For Chain Operated Type, Add	*688.64*	
		For Work In Restricted Working Space, Add	*62.69*	
23 05 23 00-0577		Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0559)*		
23 05 23 00-0578	EA	2" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	737.04	172.92
		For 150 Lb. Rating, Add	*161.46*	
		For 250 Lb. Rating, Add	*234.38*	
		For Chain Operated Type, Add	*260.42*	
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0579	EA	2-1/2" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	852.10	173.19
		For 150 Lb. Rating, Add	*196.83*	
		For 250 Lb. Rating, Add	*285.72*	
		For Chain Operated Type, Add	*317.47*	
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0580	EA	3" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,016.05	203.05
		For 150 Lb. Rating, Add	*236.20*	
		For 250 Lb. Rating, Add	*342.86*	
		For Chain Operated Type, Add	*380.96*	
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0581	EA	4" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,442.47	340.40
		For 150 Lb. Rating, Add	*314.93*	
		For 250 Lb. Rating, Add	*457.15*	
		For Chain Operated Type, Add	*507.95*	
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-0582	EA	5" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,864.89	362.29
		For 150 Lb. Rating, Add	*437.94*	
		For 250 Lb. Rating, Add	*635.72*	
		For Chain Operated Type, Add	*706.36*	
		For Work In Restricted Working Space, Add	*135.65*	
23 05 23 00-0583	EA	6" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	2,290.73	402.55
		For 150 Lb. Rating, Add	*553.58*	
		For 250 Lb. Rating, Add	*803.58*	
		For Chain Operated Type, Add	*892.87*	
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0584	EA	8" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	3,385.03	514.37
		For 150 Lb. Rating, Add	*851.28*	
		For 250 Lb. Rating, Add	*1,235.73*	
		For Chain Operated Type, Add	*1,373.04*	
		For Work In Restricted Working Space, Add	*191.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0585	EA	10" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	4,965.32	626.18
		For 150 Lb. Rating, Add	*1,296.61*	
		For 250 Lb. Rating, Add	*1,882.17*	
		For Chain Operated Type, Add	*2,091.30*	
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-0586	EA	12" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	8,863.38	760.36
		For 150 Lb. Rating, Add	*2,453.53*	
		For 250 Lb. Rating, Add	*3,561.58*	
		For Chain Operated Type, Add	*3,957.31*	
		For Work In Restricted Working Space, Add	*284.63*	

23 05 23 00-0587 Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves *(23 05 23 00-0559)*

23 05 23 00-0588	EA	1/8" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	70.74	12.97
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0589	EA	1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	66.66	12.97
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0590	EA	3/8" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	68.65	12.97
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*11.93*	
23 05 23 00-0591	EA	1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	72.67	12.97
		For 150 Lb. Rating, Add	*9.55*	
		For 200 Lb. Rating, Add	*11.71*	
		For 300 Lb. Rating, Add	*16.95*	
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0592	EA	3/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	99.14	13.62
		For 150 Lb. Rating, Add	*13.25*	
		For 200 Lb. Rating, Add	*16.24*	
		For 300 Lb. Rating, Add	*23.51*	
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0593	EA	1" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	124.36	13.62
		For 150 Lb. Rating, Add	*17.38*	
		For 200 Lb. Rating, Add	*21.31*	
		For 300 Lb. Rating, Add	*30.84*	
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0594	EA	1-1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	169.79	17.26
		For 150 Lb. Rating, Add	*25.83*	
		For 200 Lb. Rating, Add	*31.66*	
		For 300 Lb. Rating, Add	*45.82*	
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0595	EA	1-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	196.91	19.97
		For 150 Lb. Rating, Add	*30.11*	
		For 200 Lb. Rating, Add	*36.91*	
		For 300 Lb. Rating, Add	*53.42*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0596	EA	2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	264.22	23.60
		For 150 Lb. Rating, Add	*45.35*	
		For 200 Lb. Rating, Add	*55.59*	
		For 300 Lb. Rating, Add	*80.46*	
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0597	EA	2-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	436.85	34.63
		For 150 Lb. Rating, Add	*81.81*	
		For 200 Lb. Rating, Add	*100.28*	
		For 300 Lb. Rating, Add	*145.14*	
		For Work In Restricted Working Space, Add	*51.89*	
23 05 23 00-0598	EA	3" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	646.47	40.22
		For 150 Lb. Rating, Add	*138.54*	
		For 200 Lb. Rating, Add	*169.82*	
		For 300 Lb. Rating, Add	*245.80*	
		For Work In Restricted Working Space, Add	*59.87*	

23 05 23 00-0599 Flanged, 125 Lb., Iron Body, Angle Globe Valves *(23 05 23 00-0559)*

23 05 23 00-0600	EA	2" Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,556.23	172.92
		For 250 Lb. Rating, Add	*804.02*	
		For Chain Operated Type, Add	*522.61*	
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0601	EA	2-1/2" Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,801.99	173.19
		For 250 Lb. Rating, Add	*950.89*	
		For Chain Operated Type, Add	*618.08*	
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0602	EA	3" Flanged, 125 Lb., Iron Body, Angle Globe Valve	2,121.72	203.05
		For 250 Lb. Rating, Add	*1,120.55*	
		For Chain Operated Type, Add	*728.36*	
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0603	EA	4" Flanged, 125 Lb., Iron Body, Angle Globe Valve	3,094.03	340.40
		For 250 Lb. Rating, Add	*1,600.47*	
		For Chain Operated Type, Add	*1,040.31*	
		For Work In Restricted Working Space, Add	*127.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0604	EA	5" Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,232.75	362.29
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*135.65*	
23 05 23 00-0605	EA	6" Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,285.57	402.55
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0606	EA	8" Flanged, 125 Lb., Iron Body, Angle Globe Valve	9,995.50	514.37
		For 250 Lb. Rating, Add	*5,613.92*	
		For Chain Operated Type, Add	*3,649.05*	
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0607		**Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves** *(23 05 23 00-0559)*		
		Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0608	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	222.58	21.02
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0609	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	226.66	21.02
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0610	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	266.65	28.28
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0611	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	329.39	34.12
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0612	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	534.10	43.19
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0613	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	640.66	49.94
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0614	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	814.80	59.02
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0615		**Polyvinyl Chloride (PVC), Angle Globe Valves** *(23 05 23 00-0559)*		
23 05 23 00-0616	EA	1/4" Polyvinyl Chloride (PVC), Angle Globe Valve	66.72	20.76
23 05 23 00-0617	EA	1/2" Polyvinyl Chloride (PVC), Angle Globe Valve	85.22	20.76
23 05 23 00-0618	EA	3/4" Polyvinyl Chloride (PVC), Angle Globe Valve	108.17	28.53
23 05 23 00-0619	EA	1" Polyvinyl Chloride (PVC), Angle Globe Valve	130.04	34.38
23 05 23 00-0620	EA	1-1/2" Polyvinyl Chloride (PVC), Angle Globe Valve	186.44	43.46
23 05 23 00-0621	EA	2" Polyvinyl Chloride (PVC), Angle Globe Valve	229.27	49.94
23 05 23 00-0622		**Flanged, Cast Steel, Globe Valves** *(23 05 23 00-0559)*		
23 05 23 00-0623		**Class 150, Flanged, Cast Steel, Globe Valves** *(23 05 23 00-0622)*		
23 05 23 00-0624	EA	2" Class 150, Flanged, Cast Steel, Globe Valve	2,488.42	172.92
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0625	EA	2-1/2" Class 150, Flanged, Cast Steel, Globe Valve	3,526.72	173.19
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0626	EA	3" Class 150, Flanged, Cast Steel, Globe Valve	3,563.68	203.05
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0627	EA	4" Class 150, Flanged, Cast Steel, Globe Valve	5,034.65	340.40
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-0628	EA	6" Class 150, Flanged, Cast Steel, Globe Valve	7,797.40	402.55
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0629	EA	8" Class 150, Flanged, Cast Steel, Globe Valve	12,753.02	514.37
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0630	EA	10" Class 150, Flanged, Cast Steel, Globe Valve	28,857.28	626.18
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-0631	EA	12" Class 150, Flanged, Cast Steel, Globe Valve	26,438.89	760.36
		For Work In Restricted Working Space, Add	*284.63*	
23 05 23 00-0632		**Class 300, Flanged, Cast Steel, Globe Valves** *(23 05 23 00-0622)*		
23 05 23 00-0633	EA	2" Class 300, Flanged, Cast Steel, Globe Valve	3,273.74	172.92
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0634	EA	2-1/2" Class 300, Flanged, Cast Steel, Globe Valve	4,324.83	173.19
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0635	EA	3" Class 300, Flanged, Cast Steel, Globe Valve	4,361.79	203.05
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0636	EA	4" Class 300, Flanged, Cast Steel, Globe Valve	6,809.50	340.40
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-0637	EA	6" Class 300, Flanged, Cast Steel, Globe Valve	11,549.81	402.55
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0638	EA	8" Class 300, Flanged, Cast Steel, Globe Valve	18,252.32	514.37
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0639	EA	10" Class 300, Flanged, Cast Steel, Globe Valve	36,889.85	626.18
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-0640	EA	12" Class 300, Flanged, Cast Steel, Globe Valve	45,029.90	760.36
		For Work In Restricted Working Space, Add	*284.63*	
23 05 23 00-0641		**Class 600, Flanged, Cast Steel, Globe Valves** *(23 05 23 00-0622)*		
23 05 23 00-0642	EA	2" Class 600, Flanged, Cast Steel, Globe Valve	4,594.35	172.92
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0643	EA	2-1/2" Class 600, Flanged, Cast Steel, Globe Valve	6,844.06	173.19
		For Work In Restricted Working Space, Add	*65.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0644	EA	3" Class 600, Flanged, Cast Steel, Globe Valve	6,881.02	203.05
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0645	EA	4" Class 600, Flanged, Cast Steel, Globe Valve	10,598.95	340.40
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-0646	EA	6" Class 600, Flanged, Cast Steel, Globe Valve	21,504.72	402.55
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0647	EA	8" Class 600, Flanged, Cast Steel, Globe Valve	38,247.02	514.37
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0648	EA	10" Class 600, Flanged, Cast Steel, Globe Valve	56,982.23	626.18
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-0649	EA	12" Class 600, Flanged, Cast Steel, Globe Valve	76,036.46	760.36
		For Work In Restricted Working Space, Add	*284.63*	

23 05 23 00-0650 Check Valves *(23 05 23)*

23 05 23 00-0651 Iron Body Wafer Type Check Valve *(23 05 23 00-0650)*

23 05 23 00-0652 Single Disk Type *(23 05 23 00-0651)*

23 05 23 00-0653	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	499.78	172.98
		For 150 Lb. Rating, Add	*59.54*	
		For 200 Lb. Rating, Add	*70.88*	
		For 300 Lb. Rating, Add	*85.05*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*170.83*	
23 05 23 00-0654	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	588.71	173.28
		For 150 Lb. Rating, Add	*78.00*	
		For 200 Lb. Rating, Add	*92.86*	
		For 300 Lb. Rating, Add	*111.43*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*210.60*	
23 05 23 00-0655	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	723.75	203.15
		For 150 Lb. Rating, Add	*98.60*	
		For 200 Lb. Rating, Add	*117.38*	
		For 300 Lb. Rating, Add	*140.85*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*262.13*	
23 05 23 00-0656	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	1,062.69	340.57
		For 150 Lb. Rating, Add	*133.54*	
		For 200 Lb. Rating, Add	*158.98*	
		For 300 Lb. Rating, Add	*190.77*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*371.51*	
23 05 23 00-0657	EA	6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	1,593.53	478.00
		For 150 Lb. Rating, Add	*209.17*	
		For 200 Lb. Rating, Add	*249.01*	
		For 300 Lb. Rating, Add	*298.81*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*567.72*	
23 05 23 00-0658	EA	8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	2,213.18	549.70
		For 150 Lb. Rating, Add	*320.99*	
		For 200 Lb. Rating, Add	*382.14*	
		For 300 Lb. Rating, Add	*458.56*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*824.77*	
23 05 23 00-0659	EA	10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	3,284.00	669.20
		For 150 Lb. Rating, Add	*512.69*	
		For 200 Lb. Rating, Add	*610.35*	
		For 300 Lb. Rating, Add	*732.41*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,267.15*	

23 05 23 00-0660 Twin Disc Type *(23 05 23 00-0651)*

23 05 23 00-0661	EA	2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	694.92	172.98
		For 150 Lb. Rating, Add	*100.51*	
		For 200 Lb. Rating, Add	*119.66*	
		For 300 Lb. Rating, Add	*143.59*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*258.64*	
23 05 23 00-0662	EA	2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	791.70	173.28
		For 150 Lb. Rating, Add	*120.63*	
		For 200 Lb. Rating, Add	*143.61*	
		For 300 Lb. Rating, Add	*172.33*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*301.95*	
23 05 23 00-0663	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	924.47	203.15
		For 150 Lb. Rating, Add	*140.75*	
		For 200 Lb. Rating, Add	*167.56*	
		For 300 Lb. Rating, Add	*201.07*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*352.45*	
23 05 23 00-0664	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	1,277.92	340.57
		For 150 Lb. Rating, Add	*178.74*	
		For 200 Lb. Rating, Add	*212.78*	
		For 300 Lb. Rating, Add	*255.34*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*468.37*	
23 05 23 00-0665	EA	6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	1,969.97	478.00
		For 150 Lb. Rating, Add	*288.22*	
		For 200 Lb. Rating, Add	*343.12*	
		For 300 Lb. Rating, Add	*411.74*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*737.11*	
23 05 23 00-0666	EA	8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	2,778.86	549.70
		For 150 Lb. Rating, Add	*440.16*	
		For 200 Lb. Rating, Add	*524.00*	
		For 300 Lb. Rating, Add	*628.80*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,079.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0667	EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	4,156.27	657.24
		For 150 Lb. Rating, Add	*697.08*	
		For 200 Lb. Rating, Add	*829.86*	
		For 300 Lb. Rating, Add	*995.83*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,661.11*	
23 05 23 00-0668	EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	5,460.03	812.59
		For 150 Lb. Rating, Add	*933.94*	
		For 200 Lb. Rating, Add	*1,111.83*	
		For 300 Lb. Rating, Add	*1,334.20*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*2,203.84*	
23 05 23 00-0669	EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	10,309.14	949.27
		For 150 Lb. Rating, Add	*1,899.12*	
		For 200 Lb. Rating, Add	*2,260.86*	
		For 300 Lb. Rating, Add	*2,713.04*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*4,322.69*	
23 05 23 00-0670	EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	14,159.50	1,113.80
		For 150 Lb. Rating, Add	*2,681.12*	
		For 200 Lb. Rating, Add	*3,191.81*	
		For 300 Lb. Rating, Add	*3,830.18*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*6,023.71*	
23 05 23 00-0671	EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	18,881.60	1,240.37
		For 150 Lb. Rating, Add	*3,640.28*	
		For 200 Lb. Rating, Add	*4,333.67*	
		For 300 Lb. Rating, Add	*5,200.40*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*8,109.99*	
23 05 23 00-0672	EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	22,470.43	1,392.25
		For 150 Lb. Rating, Add	*4,353.32*	
		For 200 Lb. Rating, Add	*5,182.53*	
		For 300 Lb. Rating, Add	*6,219.03*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*9,676.61*	
23 05 23 00-0673	EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	29,380.57	1,708.67
		For 150 Lb. Rating, Add	*5,720.12*	
		For 200 Lb. Rating, Add	*6,809.66*	
		For 300 Lb. Rating, Add	*8,171.60*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*12,685.78*	

23 05 23 00-0674 Lift Check Valves *(23 05 23 00-0650)*

23 05 23 00-0675 Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0674)*

Note: Watts #600 series.

23 05 23 00-0676	EA	3/8" Lift Check Valve, Bronze, Threaded	129.29	12.97
23 05 23 00-0677	EA	1/2" Lift Check Valve, Bronze, Threaded	136.80	12.97
23 05 23 00-0678	EA	3/4" Lift Check Valve, Bronze, Threaded	174.65	13.62
23 05 23 00-0679	EA	1" Lift Check Valve, Bronze, Threaded	229.67	13.62
23 05 23 00-0680	EA	1-1/4" Lift Check Valve, Bronze, Threaded	317.81	17.26
23 05 23 00-0681	EA	1-1/2" Lift Check Valve, Bronze, Threaded	386.21	19.97
23 05 23 00-0682	EA	2" Lift Check Valve, Bronze, Threaded	548.60	23.60

23 05 23 00-0683 Bronze Body, Threaded, 300 Lb., Lift Check Valves *(23 05 23 00-0674)*

Note: Crane 366E.

23 05 23 00-0684	EA	1/2" Lift Check Valve, Bronze, Threaded, 300 Lb.	785.52	12.97
23 05 23 00-0685	EA	3/4" Lift Check Valve, Bronze, Threaded, 300 Lb.	954.58	13.62
23 05 23 00-0686	EA	1" Lift Check Valve, Bronze, Threaded, 300 Lb.	1,710.17	13.62
23 05 23 00-0687	EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 Lb.	2,278.88	17.26
23 05 23 00-0688	EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 Lb.	2,475.70	19.97
23 05 23 00-0689	EA	2" Lift Check Valve, Bronze, Threaded, 300 Lb.	3,179.52	23.60

23 05 23 00-0690 Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves *(23 05 23 00-0674)*

Note: Mueller 105MAP.

23 05 23 00-0691	EA	2" Lift Check Valve, Iron Body, Flanged, 125 Lb.	1,158.92	172.92
23 05 23 00-0692	EA	2-1/2" Lift Check Valve, Iron Body, Flanged, 125 Lb.	2,141.82	173.19
23 05 23 00-0693	EA	3" Lift Check Valve, Iron Body, Flanged, 125 Lb.	2,329.35	203.05
23 05 23 00-0694	EA	4" Lift Check Valve, Iron Body, Flanged, 125 Lb.	3,215.36	340.40
23 05 23 00-0695	EA	5" Lift Check Valve, Iron Body, Flanged, 125 Lb.	4,039.61	362.29
23 05 23 00-0696	EA	6" Lift Check Valve, Iron Body, Flanged, 125 Lb.	4,999.12	402.55
23 05 23 00-0697	EA	8" Lift Check Valve, Iron Body, Flanged, 125 Lb.	8,864.55	514.37
23 05 23 00-0698	EA	10" Lift Check Valve, Iron Body, Flanged, 125 Lb.	11,139.18	626.18
23 05 23 00-0699	EA	12" Lift Check Valve, Iron Body, Flanged, 125 Lb.	18,178.97	760.36
23 05 23 00-0700	EA	14" Lift Check Valve, Iron Body, Flanged, 125 Lb.	24,810.62	1,068.09
23 05 23 00-0701	EA	16" Lift Check Valve, Iron Body, Flanged, 125 Lb.	27,497.23	1,174.90

23 05 23 00-0702 Bronze Body Swing Check Valves *(23 05 23 00-0650)*

23 05 23 00-0703 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves *(23 05 23 00-0702)*

23 05 23 00-0704	EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	88.85	12.97
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0705	EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	84.77	12.97
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0706	EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	86.76	12.97
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*11.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0707	EA	1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	90.69	12.97
		For 300 Lb. Rating, Add	*19.05*	
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0708	EA	3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	115.58	13.62
		For 300 Lb. Rating, Add	*23.08*	
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0709	EA	1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	148.64	13.62
		For 300 Lb. Rating, Add	*31.34*	
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0710	EA	1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	199.28	17.26
		For 300 Lb. Rating, Add	*43.99*	
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0711	EA	1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	257.75	19.97
		For 300 Lb. Rating, Add	*61.61*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0712	EA	2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	321.02	23.60
		For 300 Lb. Rating, Add	*79.21*	
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0713	EA	2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	626.12	31.89
		For 300 Lb. Rating, Add	*182.08*	
		For Work In Restricted Working Space, Add	*47.78*	
23 05 23 00-0714	EA	3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	847.76	37.02
		For 300 Lb. Rating, Add	*258.96*	
		For Work In Restricted Working Space, Add	*55.13*	
23 05 23 00-0715	EA	4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	960.42	41.80
		For 300 Lb. Rating, Add	*293.05*	
		For Work In Restricted Working Space, Add	*62.71*	

23 05 23 00-0716 Bronze Body, Flanged, 125 Lb., Swing Check Valves *(23 05 23 00-0702)*

23 05 23 00-0717	EA	2" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	480.61	172.92
		For Work In Restricted Working Space, Add	*64.86*	
		For 150 Lb. Rated Valves, Add	*116.34*	
		For 250 Lb. Rated Valves, Add	*343.73*	
23 05 23 00-0718	EA	2-1/2" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	504.09	173.19
		For Work In Restricted Working Space, Add	*65.15*	
		For 150 Lb. Rated Valves, Add	*126.24*	
		For 250 Lb. Rated Valves, Add	*373.00*	
23 05 23 00-0719	EA	3" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	612.39	203.05
		For Work In Restricted Working Space, Add	*76.24*	
		For 150 Lb. Rated Valves, Add	*157.63*	
		For 250 Lb. Rated Valves, Add	*465.74*	
23 05 23 00-0720	EA	4" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	960.01	340.40
		For Work In Restricted Working Space, Add	*127.97*	
		For 150 Lb. Rated Valves, Add	*234.71*	
		For 250 Lb. Rated Valves, Add	*693.46*	
23 05 23 00-0721	EA	5" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	1,399.87	362.29
		For Work In Restricted Working Space, Add	*135.65*	
		For 150 Lb. Rated Valves, Add	*416.99*	
		For 250 Lb. Rated Valves, Add	*1,232.01*	
23 05 23 00-0722	EA	6" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	1,547.46	402.55
		For Work In Restricted Working Space, Add	*151.50*	
		For 150 Lb. Rated Valves, Add	*458.69*	
		For 250 Lb. Rated Valves, Add	*1,355.21*	
23 05 23 00-0723	EA	8" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	2,430.28	514.37
		For Work In Restricted Working Space, Add	*191.69*	
		For 150 Lb. Rated Valves, Add	*788.18*	
23 05 23 00-0724	EA	10" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	3,484.40	626.18
		For Work In Restricted Working Space, Add	*234.82*	
		For 150 Lb. Rated Valves, Add	*1,188.74*	
23 05 23 00-0725	EA	12" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	4,472.58	760.36
		For Work In Restricted Working Space, Add	*284.63*	
		For 150 Lb. Rated Valves, Add	*1,550.48*	
23 05 23 00-0726	EA	14" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	13,047.09	1,068.09
		For Work In Restricted Working Space, Add	*400.53*	
		For 150 Lb. Rated Valves, Add	*5,153.27*	
23 05 23 00-0727	EA	16" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	16,735.10	1,174.90
		For Work In Restricted Working Space, Add	*440.59*	
		For 150 Lb. Rated Valves, Add	*6,717.25*	
23 05 23 00-0728	EA	18" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	21,575.00	1,303.07
		For Work In Restricted Working Space, Add	*488.65*	
		For 150 Lb. Rated Valves, Add	*8,776.31*	
23 05 23 00-0729	EA	20" Swing Check Valve, Bronze Body, Flanged, 125 Lb.	26,809.91	1,468.62
		For Work In Restricted Working Space, Add	*550.73*	
		For 150 Lb. Rated Valves, Add	*10,988.62*	

23 05 23 00-0730 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0650)*

23 05 23 00-0731	EA	1" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	671.08	97.28
		For 150 Lb. Rating, Add	*373.12*	
		For 250 Lb. Rating, Add	*713.31*	
		For Work In Restricted Working Space, Add	*36.71*	
23 05 23 00-0732	EA	1-1/4" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	745.51	113.50
		For 150 Lb. Rating, Add	*411.07*	
		For 250 Lb. Rating, Add	*785.86*	
		For Work In Restricted Working Space, Add	*42.30*	
23 05 23 00-0733	EA	1-1/2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	826.33	136.20
		For 150 Lb. Rating, Add	*445.84*	
		For 250 Lb. Rating, Add	*852.35*	
		For Work In Restricted Working Space, Add	*51.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0734	EA	2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,030.51	172.92
		For 150 Lb. Rating, Add	*553.73*	
		For 250 Lb. Rating, Add	*1,058.60*	
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-0735	EA	2-1/2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,167.53	173.19
		For 150 Lb. Rating, Add	*646.24*	
		For 250 Lb. Rating, Add	*1,235.47*	
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-0736	EA	3" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,286.88	203.05
		For 150 Lb. Rating, Add	*702.27*	
		For 250 Lb. Rating, Add	*1,342.58*	
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-0737	EA	4" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,022.63	340.40
		For 150 Lb. Rating, Add	*1,085.31*	
		For 250 Lb. Rating, Add	*2,074.87*	
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-0738	EA	5" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,795.49	362.29
		For 150 Lb. Rating, Add	*1,593.46*	
		For 250 Lb. Rating, Add	*3,046.32*	
		For Work In Restricted Working Space, Add	*135.65*	
23 05 23 00-0739	EA	6" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	3,221.96	402.55
		For 150 Lb. Rating, Add	*1,847.54*	
		For 250 Lb. Rating, Add	*3,532.06*	
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-0740	EA	8" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	7,422.24	514.37
		For 150 Lb. Rating, Add	*4,612.63*	
		For 250 Lb. Rating, Add	*8,818.26*	
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-0741	EA	10" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	10,016.21	626.18
		For 150 Lb. Rating, Add	*6,278.77*	
		For 250 Lb. Rating, Add	*12,003.54*	
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-0742	EA	12" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	15,347.94	760.36
		For 150 Lb. Rating, Add	*9,791.44*	
		For 250 Lb. Rating, Add	*18,718.93*	
		For Work In Restricted Working Space, Add	*284.63*	
23 05 23 00-0743	EA	14" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	17,636.95	1,068.09
		For 150 Lb. Rating, Add	*11,085.25*	
		For 250 Lb. Rating, Add	*21,192.39*	
		For Work In Restricted Working Space, Add	*400.53*	
23 05 23 00-0744	EA	16" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	25,212.14	1,174.90
		For 150 Lb. Rating, Add	*16,145.59*	
		For 250 Lb. Rating, Add	*30,866.58*	
		For Work In Restricted Working Space, Add	*440.59*	
23 05 23 00-0745	EA	18" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	38,946.98	1,303.07
		For 150 Lb. Rating, Add	*25,376.34*	
		For 250 Lb. Rating, Add	*48,513.58*	
		For Work In Restricted Working Space, Add	*488.65*	
23 05 23 00-0746	EA	20" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	53,776.37	1,468.62
		For 150 Lb. Rating, Add	*35,319.60*	
		For 250 Lb. Rating, Add	*67,522.77*	
		For Work In Restricted Working Space, Add	*550.73*	
23 05 23 00-0747	EA	24" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	74,966.57	1,802.40
		For 150 Lb. Rating, Add	*49,445.23*	
		For 250 Lb. Rating, Add	*94,527.64*	
		For Work In Restricted Working Space, Add	*675.90*	

23 05 23 00-0748 APCO Iron Body, Bronze Trim, Flanged, 250 Lb., Swing Check Valves *(23 05 23 00-0650)*

Note: AWWA C-509, side mounted oil cushion.

23 05 23 00-0749	EA	6" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Side Mounted Oil Cushion	28,051.15	402.55
		For Asphalt Varnish Interior, Add	*104.00*	
23 05 23 00-0750	EA	8" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Side Mounted Oil Cushion	29,566.01	514.37
		For Asphalt Varnish Interior, Add	*112.00*	
23 05 23 00-0751	EA	10" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Side Mounted Oil Cushion	45,022.28	626.18
		For Asphalt Varnish Interior, Add	*160.00*	
23 05 23 00-0752	EA	12" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Side Mounted Oil Cushion	52,992.89	760.36
		For Asphalt Varnish Interior, Add	*168.00*	

23 05 23 00-0753 APCO Iron Body, Bronze Trim, Flanged, 250 Lb., Swing Check Valves *(23 05 23 00-0650)*

Note: AWWA C-509, bottom buffer oil cushion.

23 05 23 00-0754	EA	8" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Bottom Buffer Oil Cushion	26,824.69	514.37
		For Asphalt Varnish Interior, Add	*112.00*	
23 05 23 00-0755	EA	10" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Bottom Buffer Oil Cushion	32,875.58	626.18
		For Asphalt Varnish Interior, Add	*160.00*	
23 05 23 00-0756	EA	12" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Bottom Buffer Oil Cushion	37,542.29	760.36
		For Asphalt Varnish Interior, Add	*168.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0757		**Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves** *(23 05 23 00-0650)*		
		Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0758	EA	1/2" Class 800, Threaded, Forged Steel Swing Check Valve	204.62	12.97
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0759	EA	3/4" 800, Threaded, Forged Steel Swing Check Valve	241.21	14.27
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0760	EA	1" Class 800, Threaded, Forged Steel Swing Check Valve	285.31	16.22
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0761	EA	1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve	441.41	17.26
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0762	EA	1-1/2" 800, Threaded, Forged Steel Swing Check Valve	523.67	19.97
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0763	EA	2" Class 800, Threaded, Forged Steel Swing Check Valve	707.98	23.60
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0764		**Plastic Check Valve** *(23 05 23 00-0650)*		
23 05 23 00-0765		**Polyvinyl Chloride (PVC) Check Valve** *(23 05 23 00-0764)*		
23 05 23 00-0766		**Polyvinyl Chloride (PVC) "Y" Check Valve** *(23 05 23 00-0765)*		
23 05 23 00-0767	EA	1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	99.87	12.97
23 05 23 00-0768	EA	3/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	118.70	14.27
23 05 23 00-0769	EA	1" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	136.66	16.22
23 05 23 00-0770	EA	1-1/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	193.97	17.26
23 05 23 00-0771	EA	1-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	216.23	19.97
23 05 23 00-0772	EA	2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	362.48	21.74
23 05 23 00-0773	EA	2-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	446.89	31.89
23 05 23 00-0774	EA	3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	490.30	37.02
23 05 23 00-0775	EA	4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	710.64	41.80
23 05 23 00-0776	EA	3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Flanged	684.09	203.05
23 05 23 00-0777		**Polyvinyl Chloride (PVC) True Union Ball Check Valve** *(23 05 23 00-0765)*		
23 05 23 00-0778		**Valves** *(23 05 23 00-0777)*		
23 05 23 00-0779	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve	76.68	12.97
23 05 23 00-0780	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve	96.21	14.27
23 05 23 00-0781	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve	118.04	16.22
23 05 23 00-0782	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve	152.83	17.26
23 05 23 00-0783	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve	179.40	19.97
23 05 23 00-0784	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve	262.25	23.60
23 05 23 00-0785	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve	426.32	31.89
23 05 23 00-0786	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve	719.54	37.02
23 05 23 00-0787		**Foot Valve Screen** *(23 05 23 00-0777)*		
		Note: For use with PVC true union ball check valves above.		
23 05 23 00-0788	EA	1/2" Foot Valve Screen Option	61.97	
23 05 23 00-0789	EA	3/4" Foot Valve Screen Option	74.11	
23 05 23 00-0790	EA	1" Foot Valve Screen Option	85.88	
23 05 23 00-0791	EA	1-1/4" Foot Valve Screen Option	129.65	
23 05 23 00-0792	EA	1-1/2" Foot Valve Screen Option	143.44	
23 05 23 00-0793	EA	2" Foot Valve Screen Option	155.21	
23 05 23 00-0794	EA	2-1/2" Foot Valve Screen Option	185.18	
23 05 23 00-0795	EA	3" Foot Valve Screen Option	215.16	
23 05 23 00-0796	EA	4" Foot Valve Screen Option	261.13	
23 05 23 00-0797		**Hayward "True Check" With VITON Seals** *(23 05 23 00-0777)*		
23 05 23 00-0798	EA	1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	69.29	12.97
23 05 23 00-0799	EA	3/8" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	71.28	12.97
23 05 23 00-0800	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	77.51	12.97
23 05 23 00-0801	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	96.13	14.27
23 05 23 00-0802	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	119.21	16.22
23 05 23 00-0803	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	152.75	17.26
23 05 23 00-0804	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	184.38	19.97
23 05 23 00-0805	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	230.73	23.60
23 05 23 00-0806	EA	2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	421.34	31.89
23 05 23 00-0807	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	462.43	37.02
23 05 23 00-0808	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	724.08	41.80
23 05 23 00-0809		**Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals** *(23 05 23 00-0777)*		
23 05 23 00-0810	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	73.37	12.97
23 05 23 00-0811	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	92.06	14.27
23 05 23 00-0812	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	113.57	16.22
23 05 23 00-0813	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	146.61	17.26
23 05 23 00-0814	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	173.10	19.97
23 05 23 00-0815	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	220.78	23.60
23 05 23 00-0816	EA	2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	406.41	31.89
23 05 23 00-0817	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	449.99	37.02
23 05 23 00-0818	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	705.00	41.80

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0819		Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged *(23 05 23 00-0765)*		
23 05 23 00-0820	EA	1" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	355.39	77.84
23 05 23 00-0821	EA	1-1/4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	387.63	90.80
23 05 23 00-0822	EA	1-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	427.03	113.50
23 05 23 00-0823	EA	2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	521.26	142.69
23 05 23 00-0824	EA	2-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	625.20	143.40
23 05 23 00-0825	EA	3" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	851.17	167.29
23 05 23 00-0826	EA	4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,181.12	283.81
23 05 23 00-0827	EA	6" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,942.35	478.00
23 05 23 00-0828		Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0764)*		
23 05 23 00-0829	EA	1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	67.59	12.97
		For Work In Restricted Working Space, Add	*12.56*	
23 05 23 00-0830	EA	3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	82.14	14.27
		For Work In Restricted Working Space, Add	*16.92*	
23 05 23 00-0831	EA	1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	95.04	16.22
		For Work In Restricted Working Space, Add	*20.48*	
23 05 23 00-0832	EA	1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	114.34	17.26
		For Work In Restricted Working Space, Add	*25.94*	
23 05 23 00-0833	EA	1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	129.26	19.97
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0834	EA	2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	163.76	23.60
		For Work In Restricted Working Space, Add	*35.38*	
23 05 23 00-0835	EA	2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	224.50	31.89
		For Work In Restricted Working Space, Add	*47.78*	
23 05 23 00-0836	EA	3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	268.42	37.02
		For Work In Restricted Working Space, Add	*55.13*	
23 05 23 00-0837		Polyvinyl Chloride (PVC) Body, Swing Check Valves *(23 05 23 00-0764)*		
23 05 23 00-0838		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0837)*		
23 05 23 00-0839	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	676.09	167.21
		For Work In Restricted Working Space, Add	*63.98*	
23 05 23 00-0840	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	868.85	283.67
		For Work In Restricted Working Space, Add	*105.39*	
23 05 23 00-0841	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,371.11	335.45
		For Work In Restricted Working Space, Add	*138.13*	
23 05 23 00-0842	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,823.65	424.90
		For Work In Restricted Working Space, Add	*156.55*	
23 05 23 00-0843		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals *(23 05 23 00-0837)*		
23 05 23 00-0844	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	795.52	167.21
		For Work In Restricted Working Space, Add	*63.98*	
23 05 23 00-0845	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,132.59	283.67
		For Work In Restricted Working Space, Add	*105.39*	
23 05 23 00-0846	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,620.93	335.45
		For Work In Restricted Working Space, Add	*138.13*	
23 05 23 00-0847	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	2,122.23	424.90
		For Work In Restricted Working Space, Add	*156.55*	
23 05 23 00-0848		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights *(23 05 23 00-0837)*		
23 05 23 00-0849	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	827.04	167.21
		For Work In Restricted Working Space, Add	*63.98*	
23 05 23 00-0850	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,135.08	283.67
		For Work In Restricted Working Space, Add	*105.39*	
23 05 23 00-0851	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,510.45	335.45
		For Work In Restricted Working Space, Add	*138.13*	
23 05 23 00-0852	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,938.44	424.90
		For Work In Restricted Working Space, Add	*156.55*	
23 05 23 00-0853		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights *(23 05 23 00-0837)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0854	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	926.56	167.21
		For Work In Restricted Working Space, Add	*63.98*	
23 05 23 00-0855	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,280.23	283.67
		For Work In Restricted Working Space, Add	*105.39*	
23 05 23 00-0856	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,717.80	335.45
		For Work In Restricted Working Space, Add	*138.13*	
23 05 23 00-0857	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	2,187.26	424.90
		For Work In Restricted Working Space, Add	*156.55*	

23 05 23 00-0858 Diaphragm Valves *(23 05 23)*

23 05 23 00-0859 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0858)*

23 05 23 00-0860	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	303.54	38.81
23 05 23 00-0861	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	389.26	43.00
23 05 23 00-0862	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	421.93	53.15
23 05 23 00-0863	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	669.95	79.43
23 05 23 00-0864	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,079.47	95.55

23 05 23 00-0865 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0858)*

23 05 23 00-0866	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	484.71	62.26
23 05 23 00-0867	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	568.58	64.86
23 05 23 00-0868	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	664.77	97.28
23 05 23 00-0869	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,014.36	136.20
23 05 23 00-0870	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,645.34	172.92
23 05 23 00-0871	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,134.93	173.19
23 05 23 00-0872	EA	3" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,660.41	203.05
23 05 23 00-0873	EA	4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	3,729.84	340.40
23 05 23 00-0874	EA	6" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	7,905.49	402.55
23 05 23 00-0875	EA	8" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	12,374.34	514.37

23 05 23 00-0876 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0858)*

23 05 23 00-0877	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	185.91	38.81
23 05 23 00-0878	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	243.76	43.00
23 05 23 00-0879	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	276.43	53.15
23 05 23 00-0880	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	471.82	79.43
23 05 23 00-0881	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	618.23	95.55

23 05 23 00-0882 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0858)*

23 05 23 00-0883	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	314.59	62.26
23 05 23 00-0884	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	366.31	64.86
23 05 23 00-0885	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	462.46	97.28
23 05 23 00-0886	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	738.89	136.20
23 05 23 00-0887	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,003.93	172.92
23 05 23 00-0888	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,244.20	173.19
23 05 23 00-0889	EA	3" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,519.70	203.05
23 05 23 00-0890	EA	4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	2,385.20	340.40
23 05 23 00-0891	EA	6" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	4,893.00	402.55
23 05 23 00-0892	EA	8" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	7,596.27	514.37

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0893		125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0858)*		
23 05 23 00-0894	EA	1" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	603.83	97.28
23 05 23 00-0895	EA	1-1/2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	991.98	136.20
23 05 23 00-0896	EA	2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	1,341.93	172.92
23 05 23 00-0897	EA	2-1/2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	1,973.00	173.19
23 05 23 00-0898	EA	3" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	2,172.79	203.05
23 05 23 00-0899	EA	4" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	3,393.08	340.40
23 05 23 00-0900	EA	6" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	6,947.73	402.55
23 05 23 00-0901	EA	8" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	14,671.33	514.37
23 05 23 00-0902		Plastic Diaphragm Valves *(23 05 23 00-0858)*		
23 05 23 00-0903		Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0902)*		
23 05 23 00-0904	EA	1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	198.65	38.81
23 05 23 00-0905	EA	3/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	221.92	42.88
23 05 23 00-0906	EA	1" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	280.35	53.15
23 05 23 00-0907	EA	1-1/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	404.42	68.68
23 05 23 00-0908	EA	1-1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	427.90	79.55
23 05 23 00-0909	EA	2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	502.90	95.55
23 05 23 00-0910		Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0902)*		
23 05 23 00-0911	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	274.96	38.81
23 05 23 00-0912	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	299.89	42.88
23 05 23 00-0913	EA	1" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	381.54	53.15
23 05 23 00-0914	EA	1-1/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	493.99	68.68
23 05 23 00-0915	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	553.96	79.55
23 05 23 00-0916	EA	2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	605.75	95.55
23 05 23 00-0917		Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0902)*		
23 05 23 00-0918		Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0917)*		
23 05 23 00-0919	EA	1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	142.07	38.81
23 05 23 00-0920	EA	3/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	158.98	43.00
23 05 23 00-0921	EA	1" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	197.56	53.15
23 05 23 00-0922	EA	1-1/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	276.72	68.68
23 05 23 00-0923	EA	1-1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	298.22	79.43
23 05 23 00-0924	EA	2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	356.27	95.55
23 05 23 00-0925		Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0917)*		
23 05 23 00-0926	EA	1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	142.07	38.81
23 05 23 00-0927	EA	3/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	158.98	43.00
23 05 23 00-0928	EA	1" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	197.86	53.15
23 05 23 00-0929	EA	1-1/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	276.72	68.68
23 05 23 00-0930	EA	1-1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	298.22	79.43
23 05 23 00-0931	EA	2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	356.27	95.55
23 05 23 00-0932		Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0902)*		
23 05 23 00-0933		Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0932)*		
23 05 23 00-0934	EA	1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	129.16	38.81
23 05 23 00-0935	EA	3/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	144.01	43.00
23 05 23 00-0936	EA	1" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	179.28	53.15
23 05 23 00-0937	EA	1-1/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	248.85	68.68
23 05 23 00-0938	EA	1-1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	270.35	79.43
23 05 23 00-0939	EA	2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	323.25	95.55
23 05 23 00-0940		Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0932)*		
23 05 23 00-0941	EA	1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	129.16	38.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0942	EA	3/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	144.01	43.00
23 05 23 00-0943	EA	1" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	179.28	53.15
23 05 23 00-0944	EA	1-1/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	248.85	68.68
23 05 23 00-0945	EA	1-1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	270.35	79.43
23 05 23 00-0946	EA	2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	323.25	95.55

23 05 23 00-0947 Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0902)*

23 05 23 00-0948 Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0947)*

23 05 23 00-0949	EA	1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	161.38	38.81
23 05 23 00-0950	EA	3/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	175.08	43.00
23 05 23 00-0951	EA	1" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	237.42	53.15
23 05 23 00-0952	EA	1-1/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	315.97	68.68
23 05 23 00-0953	EA	1-1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	337.47	79.43
23 05 23 00-0954	EA	2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	408.94	95.55

23 05 23 00-0955 Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0947)*

23 05 23 00-0956	EA	1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	161.38	38.81
23 05 23 00-0957	EA	3/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	175.08	43.00
23 05 23 00-0958	EA	1" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	237.42	53.15
23 05 23 00-0959	EA	1-1/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	315.94	68.68
23 05 23 00-0960	EA	1-1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	337.47	79.43
23 05 23 00-0961	EA	2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	408.94	95.55

23 05 23 00-0962 Pinch Valves *(23 05 23)*

23 05 23 00-0963 Open Cast Iron Body Pinch Valves, Manually Operated *(23 05 23 00-0962)*

23 05 23 00-0964	EA	4" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged	2,973.55	340.40
		For Viton Sleeve Material, Add	*287.00*	
		For Epoxy Coated, Add	*50.00*	
23 05 23 00-0965	EA	8" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged	7,712.18	514.37
		For Viton Sleeve Material, Add	*487.00*	
		For Epoxy Coated, Add	*138.00*	
23 05 23 00-0966	EA	12" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged	12,374.33	760.36
		For Viton Sleeve Material, Add	*673.00*	
		For Epoxy Coated, Add	*223.00*	
23 05 23 00-0967	EA	20" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged	40,094.96	1,229.99
		For Viton Sleeve Material, Add	*1,141.00*	
		For Epoxy Coated, Add	*753.00*	
23 05 23 00-0968	EA	24" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged	46,781.13	1,509.55
		For Viton Sleeve Material, Add	*1,287.00*	
		For Epoxy Coated, Add	*877.00*	

23 05 23 00-0969 Closed Cast Iron Body Pinch Valves, Manually Operated *(23 05 23 00-0962)*

23 05 23 00-0970	EA	4" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged	3,837.88	340.40
		For Viton Sleeve Material, Add	*287.00*	
		For Epoxy Coated, Add	*67.00*	
23 05 23 00-0971	EA	8" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged	8,868.03	514.37
		For Viton Sleeve Material, Add	*487.00*	
		For Epoxy Coated, Add	*160.00*	
23 05 23 00-0972	EA	12" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged	16,532.34	760.36
		For Viton Sleeve Material, Add	*673.00*	
		For Epoxy Coated, Add	*304.00*	
23 05 23 00-0973	EA	16" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve	33,029.25	984.00
		For Viton Sleeve Material, Add	*849.00*	
		For Epoxy Coated, Add	*615.00*	
23 05 23 00-0974	EA	20" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged	56,583.79	1,229.99
		For Viton Sleeve Material, Add	*1,141.00*	
		For Epoxy Coated, Add	*1,076.00*	
23 05 23 00-0975	EA	24" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged	70,102.80	1,509.55
		For Viton Sleeve Material, Add	*1,287.00*	
		For Epoxy Coated, Add	*1,333.00*	

23 05 23 00-0976 Closed Aluminum Body Pinch Valves, Manually Operated *(23 05 23 00-0962)*

23 05 23 00-0977	EA	4" Pinch Valve, Closed Aluminum Body, Buna-N Sleeve, Flanged	4,758.48	340.40
		For Viton Sleeve Material, Add	*287.00*	
23 05 23 00-0978	EA	8" Pinch Valve, Closed Aluminum Body, Buna-N Sleeve, Flanged	11,859.95	514.37
		For Viton Sleeve Material, Add	*487.00*	
23 05 23 00-0979	EA	12" Pinch Valve, Closed Aluminum Body, Buna-N Sleeve, Flanged	20,398.82	760.36
		For Viton Sleeve Material, Add	*673.00*	

23 05 23 00-0980 Flow Control Valves And Meters *(23 05 23)*

23 05 23 00-0981 Conditioned Water Balancing Valves *(23 05 23 00-0980)*

Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0982	EA	1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	186.00	66.18
23 05 23 00-0983	EA	3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	223.19	88.24
23 05 23 00-0984	EA	1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,429.24	100.83
23 05 23 00-0985	EA	1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,539.24	124.58
23 05 23 00-0986	EA	1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,648.08	132.36
23 05 23 00-0987	EA	2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,763.20	151.31
23 05 23 00-0988	EA	2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,131.19	263.38
23 05 23 00-0989	EA	3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,019.98	301.02
23 05 23 00-0990	EA	3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,385.50	203.15
23 05 23 00-0991	EA	4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,687.09	340.57
23 05 23 00-0992	EA	6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,331.60	430.20
23 05 23 00-0993	EA	8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	9,899.00	549.70
23 05 23 00-0994	EA	10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	14,160.49	669.20

23 05 23 00-0995 Read Out Meters *(23 05 23 00-0980)*

Note: For use with conditioned portable water balancing valves.

23 05 23 00-0996	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,402.49	
23 05 23 00-0997	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0998	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0999	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	

23 05 23 00-1000 Balancing Valves *(23 05 23)*

23 05 23 00-1001 Balancing Valves With Lever *(23 05 23 00-1000)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-1002	EA	1/2" Threaded Balancing Valve With Lever	440.13	40.87
23 05 23 00-1003	EA	3/4" Threaded Balancing Valve With Lever	476.38	53.85
23 05 23 00-1004	EA	1" Threaded Balancing Valve With Lever	663.00	61.64
23 05 23 00-1005	EA	1-1/4" Threaded Balancing Valve With Lever	713.19	76.56
23 05 23 00-1006	EA	1-1/2" Threaded Balancing Valve With Lever	748.91	81.10
23 05 23 00-1007	EA	2" Threaded Balancing Valve With Lever	919.99	92.78
23 05 23 00-1008	EA	2-1/2" Flanged Balancing Valve With Lever	1,235.29	173.28
23 05 23 00-1009	EA	3" Flanged Balancing Valve With Lever	1,238.71	203.15
23 05 23 00-1010	EA	4" Flanged Balancing Valve With Lever	1,545.49	340.57
23 05 23 00-1011	EA	5" Flanged Balancing Valve With Lever	4,628.63	387.18
23 05 23 00-1012	EA	6" Flanged Balancing Valve With Lever	2,273.66	430.20
23 05 23 00-1013	EA	8" Flanged Balancing Valve With Lever	3,008.50	549.70

23 05 23 00-1014 Balancing Valves With Nut *(23 05 23 00-1000)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-1015	EA	4" Flanged Balancing Valve With Nut	1,545.49	340.57
23 05 23 00-1016	EA	5" Flanged Balancing Valve With Nut	4,628.63	387.18
23 05 23 00-1017	EA	6" Flanged Balancing Valve With Nut	2,273.66	430.20
23 05 23 00-1018	EA	8" Flanged Balancing Valve With Nut	3,008.50	549.70

23 05 23 00-1019 Balancing Valves With Hand Wheel *(23 05 23 00-1000)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-1020	EA	4" Flanged Balancing Valve With Hand Wheel	2,111.05	340.57
23 05 23 00-1021	EA	5" Flanged Balancing Valve With Hand Wheel	5,226.52	387.18
23 05 23 00-1022	EA	6" Flanged Balancing Valve With Hand Wheel	2,872.79	430.20
23 05 23 00-1023	EA	8" Flanged Balancing Valve With Hand Wheel	4,071.27	549.70
23 05 23 00-1024	EA	10" Flanged Balancing Valve With Hand Wheel	6,272.13	669.20
23 05 23 00-1025	EA	12" Flanged Balancing Valve With Hand Wheel	8,205.03	537.03
23 05 23 00-1026	EA	14" Flanged Balancing Valve With Hand Wheel	10,734.86	1,012.54

23 05 23 00-1027 Balancing Valves With Chain Wheel *(23 05 23 00-1000)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-1028	EA	4" Flanged Balancing Valve With Chain Wheel	2,435.48	340.57
23 05 23 00-1029	EA	5" Flanged Balancing Valve With Chain Wheel	5,545.97	387.18
23 05 23 00-1030	EA	6" Flanged Balancing Valve With Chain Wheel	3,191.00	430.20
23 05 23 00-1031	EA	8" Flanged Balancing Valve With Chain Wheel	4,462.81	549.70
23 05 23 00-1032	EA	10" Flanged Balancing Valve With Chain Wheel	6,652.49	669.20
23 05 23 00-1033	EA	12" Flanged Balancing Valve With Chain Wheel	8,915.11	536.65
23 05 23 00-1034	EA	14" Flanged Balancing Valve With Chain Wheel	11,377.49	1,012.54

23 05 23 00-1035 Calibrated Balancing Valves *(23 05 23 00-1000)*

Note: Bell & Gossett CB Series.

23 05 23 00-1036	EA	1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	152.23	12.97
23 05 23 00-1037	EA	3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	179.18	14.27
23 05 23 00-1038	EA	1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	202.86	16.22
23 05 23 00-1039	EA	1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	283.27	17.26
23 05 23 00-1040	EA	1-1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/2S)	332.43	19.98
23 05 23 00-1041	EA	2" Brazed Or Soldered Calibrated Balancing Valve (CB-2S)	445.32	23.61
23 05 23 00-1042	EA	1" Threaded Calibrated Balancing Valve (CB-1)	232.51	16.22
23 05 23 00-1043	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	316.49	17.26
23 05 23 00-1044	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	354.47	19.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1045	EA	2" Threaded Calibrated Balancing Valve (CB-2)	476.29	23.61
23 05 23 00-1046	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	671.18	34.64
23 05 23 00-1047	EA	3" Threaded Calibrated Balancing Valve (CB-3)	1,164.88	40.23
23 05 23 00-1048	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	1,101.79	188.16
23 05 23 00-1049	EA	3" Flanged Calibrated Balancing Valve (CB-3F)	1,907.28	220.61
23 05 23 00-1050	EA	4" Flanged Calibrated Balancing Valve (CB-4F)	2,865.22	369.83
23 05 23 00-1051	EA	5" Flanged Calibrated Balancing Valve (CB-5F)	3,947.60	420.44
23 05 23 00-1052	EA	6" Flanged Calibrated Balancing Valve (CB-6F)	4,996.40	467.16
23 05 23 00-1053	EA	8" Flanged Calibrated Balancing Valve (CB-8F)	7,900.14	596.92
23 05 23 00-1054	EA	10" Flanged Calibrated Balancing Valve (CB-10F)	12,949.13	708.79
23 05 23 00-1055	EA	12" Flanged Calibrated Balancing Valve (CB-12F)	27,309.02	860.67
23 05 23 00-1056	EA	4" Grooved Calibrated Balancing Valve (CB-4G)	3,263.47	44.67
23 05 23 00-1057	EA	5" Grooved Calibrated Balancing Valve (CB-5G)	3,785.04	57.03
23 05 23 00-1058	EA	6" Grooved Calibrated Balancing Valve (CB-6G)	5,009.89	73.13
23 05 23 00-1059	EA	8" Grooved Calibrated Balancing Valve (CB-8G)	9,394.62	92.81
23 05 23 00-1060	EA	10" Grooved Calibrated Balancing Valve (CB-10G)	14,992.34	103.99
23 05 23 00-1061	EA	12" Grooved Calibrated Balancing Valve (CB-12G)	30,905.55	126.80

23 05 23 00-1062 Butterfly Valves *(23 05 23)*

23 05 23 00-1063 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves *(23 05 23 00-1062)*

Note: With on-off handle

23 05 23 00-1064	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	532.88	172.92
		For 200 PSI, Add	*152.01*	
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-1065	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	552.27	173.19
		For 200 PSI, Add	*160.85*	
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-1066	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	615.00	203.05
		For 200 PSI, Add	*173.22*	
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-1067	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	879.51	340.40
		For 200 PSI, Add	*217.41*	
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-1068	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,149.40	402.55
		For 200 PSI, Add	*309.32*	
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-1069	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,347.12	447.27
		For 200 PSI, Add	*378.25*	
		For Work In Restricted Working Space, Add	*167.73*	
23 05 23 00-1070	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,824.68	514.37
		For 200 PSI, Add	*569.15*	
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-1071	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	3,080.52	626.18
		For 200 PSI, Add	*1,102.94*	
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-1072	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	3,876.24	760.36
		For 200 PSI, Add	*1,405.19*	
		For Work In Restricted Working Space, Add	*284.63*	

23 05 23 00-1073 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves *(23 05 23 00-1062)*

23 05 23 00-1074	EA	2" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,085.24	172.92
		For Work In Restricted Working Space, Add	*64.86*	
23 05 23 00-1075	EA	2-1/2" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,093.57	173.19
		For Work In Restricted Working Space, Add	*65.15*	
23 05 23 00-1076	EA	3" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,174.72	203.05
		For Work In Restricted Working Space, Add	*76.24*	
23 05 23 00-1077	EA	4" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,465.01	340.40
		For Work In Restricted Working Space, Add	*127.97*	
23 05 23 00-1078	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,797.50	402.55
		For Work In Restricted Working Space, Add	*151.50*	
23 05 23 00-1079	EA	6" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,991.33	447.27
		For Work In Restricted Working Space, Add	*167.73*	
23 05 23 00-1080	EA	8" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	2,494.87	514.37
		For Work In Restricted Working Space, Add	*191.69*	
23 05 23 00-1081	EA	10" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	3,179.94	626.18
		For Work In Restricted Working Space, Add	*234.82*	
23 05 23 00-1082	EA	12" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	4,432.28	760.36
		For Work In Restricted Working Space, Add	*284.63*	

23 05 23 00-1083 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves *(23 05 23 00-1062)*

23 05 23 00-1084	EA	14" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	7,553.60	1,001.33
		For 200 PSI, Add	*2,238.66*	
		For Work In Restricted Working Space, Add	*400.53*	
23 05 23 00-1085	EA	16" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	9,823.08	1,174.90
		For 200 PSI, Add	*3,007.61*	
		For Work In Restricted Working Space, Add	*440.59*	
23 05 23 00-1086	EA	18" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	14,044.46	1,308.41
		For 200 PSI, Add	*4,468.55*	
		For Work In Restricted Working Space, Add	*489.54*	
23 05 23 00-1087	EA	20" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	18,253.00	1,468.62
		For 200 PSI, Add	*5,910.20*	
		For Work In Restricted Working Space, Add	*550.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1088	EA	24" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	24,675.84	1,802.40
		For 200 PSI, Add	*8,069.91*	
		For Work In Restricted Working Space, Add	*677.83*	
23 05 23 00-1089	EA	30" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	51,753.10	2,855.64
		For 200 PSI, Add	*17,322.71*	
		For Work In Restricted Working Space, Add	*1,090.34*	
23 05 23 00-1090	EA	36" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	65,681.03	3,894.05
		For 200 PSI, Add	*22,009.67*	
		For Work In Restricted Working Space, Add	*1,362.92*	

23 05 23 00-1091 Plastic Butterfly Valves *(23 05 23 00-1062)*

23 05 23 00-1092 Polyvinyl Chloride (PVC) Butterfly Valves, With Operator *(23 05 23 00-1091)*

23 05 23 00-1093 Polyvinyl Chloride (PVC) Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 05 23 00-1092)*

23 05 23 00-1094	EA	1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	252.43	113.50
23 05 23 00-1095	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	291.59	142.69
23 05 23 00-1096	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	336.06	167.21
23 05 23 00-1097	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	493.68	283.67
23 05 23 00-1098	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	675.04	335.45
23 05 23 00-1099	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	904.61	424.90
23 05 23 00-1100	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,412.69	503.18
23 05 23 00-1101	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,834.10	615.00

23 05 23 00-1102 Polyvinyl Chloride (PVC) Butterfly Valves, Viton Liner And Seals *(23 05 23 00-1092)*

23 05 23 00-1103	EA	1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	373.15	113.50
23 05 23 00-1104	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	412.31	142.69
23 05 23 00-1105	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	479.48	167.21
23 05 23 00-1106	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	674.25	283.67
23 05 23 00-1107	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	989.73	335.45
23 05 23 00-1108	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	1,416.37	424.90
23 05 23 00-1109	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,588.91	503.18
23 05 23 00-1110	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,434.38	615.00

23 05 23 00-1111 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, With Operator *(23 05 23 00-1091)*

23 05 23 00-1112 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 05 23 00-1111)*

23 05 23 00-1113	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	302.11	142.69
23 05 23 00-1114	EA	2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	309.93	143.33
23 05 23 00-1115	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	343.54	167.21
23 05 23 00-1116	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	492.10	283.67
23 05 23 00-1117	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	668.87	335.45
23 05 23 00-1118	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	990.21	424.90
23 05 23 00-1119	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,543.96	503.18
23 05 23 00-1120	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,981.30	615.00

23 05 23 00-1121 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Viton Liner And Seals *(23 05 23 00-1111)*

23 05 23 00-1122	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	359.45	59.02
23 05 23 00-1123	EA	2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	394.79	71.35
23 05 23 00-1124	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	415.55	79.55
23 05 23 00-1125	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	485.72	91.85
23 05 23 00-1126	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	779.77	149.31
23 05 23 00-1127	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	1,653.73	238.88
23 05 23 00-1128	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	2,444.25	265.16
23 05 23 00-1129	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	3,413.94	298.60

23 05 23 00-1130 Polyvinylidene Fluoride (PVDF) Butterfly Valves, With Operator *(23 05 23 00-1091)*

23 05 23 00-1131 Polyvinylidene Fluoride (PVDF) Butterfly Valves, Viton Liner And Seals *(23 05 23 00-1130)*

23 05 23 00-1132	EA	2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	969.65	142.69
23 05 23 00-1133	EA	2-1/2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	1,006.33	143.33
23 05 23 00-1134	EA	3" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	1,100.07	167.21
23 05 23 00-1135	EA	4" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	1,555.49	283.67
23 05 23 00-1136	EA	6" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	2,755.16	335.45
23 05 23 00-1137	EA	8" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	5,327.09	424.90
23 05 23 00-1138	EA	10" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	7,906.34	503.18
23 05 23 00-1139	EA	12" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	9,850.46	615.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

23 05 29 00-0001 Hangers And Supports *(23 05 29)*

23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

23 05 29 00-0004	EA	1/2" Steel Clevis Hanger (Cooper B-Line B3100)	23.24	10.75
		For Work In Restricted Working Space, Add	*6.45*	
23 05 29 00-0005	EA	3/4" Steel Clevis Hanger (Cooper B-Line B3100)	25.63	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0006	EA	1" Steel Clevis Hanger (Cooper B-Line B3100)	26.95	11.95
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0007	EA	1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	27.92	12.92
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0008	EA	1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	28.15	12.92
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0009	EA	2" Steel Clevis Hanger (Cooper B-Line B3100)	29.30	13.14
		For Work In Restricted Working Space, Add	*7.96*	
23 05 29 00-0010	EA	2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	31.79	13.62
		For Work In Restricted Working Space, Add	*8.20*	
23 05 29 00-0011	EA	3" Steel Clevis Hanger (Cooper B-Line B3100)	33.72	14.33
		For Work In Restricted Working Space, Add	*8.43*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	35.37	15.74
		For Work In Restricted Working Space, Add	*8.99*	
23 05 29 00-0013	EA	4" Steel Clevis Hanger (Cooper B-Line B3100)	38.61	16.72
		For Work In Restricted Working Space, Add	*9.56*	
23 05 29 00-0014	EA	5" Steel Clevis Hanger (Cooper B-Line B3100)	49.37	20.01
		For Work In Restricted Working Space, Add	*12.00*	
23 05 29 00-0015	EA	6" Steel Clevis Hanger (Cooper B-Line B3100)	59.33	23.89
		For Work In Restricted Working Space, Add	*14.33*	
23 05 29 00-0016	EA	8" Steel Clevis Hanger (Cooper B-Line B3100)	78.87	29.87
		For Work In Restricted Working Space, Add	*17.92*	
23 05 29 00-0017	EA	10" Steel Clevis Hanger (Cooper B-Line B3100)	113.75	40.61
		For Work In Restricted Working Space, Add	*23.89*	
23 05 29 00-0018	EA	12" Steel Clevis Hanger (Cooper B-Line B3100)	132.58	44.79
		For Work In Restricted Working Space, Add	*26.88*	
23 05 29 00-0019	EA	14" Steel Clevis Hanger (Cooper B-Line B3100)	163.27	50.17
		For Work In Restricted Working Space, Add	*30.82*	
23 05 29 00-0020	EA	16" Steel Clevis Hanger (Cooper B-Line B3100)	201.63	59.72
		For Work In Restricted Working Space, Add	*35.83*	
23 05 29 00-0021	EA	18" Steel Clevis Hanger (Cooper B-Line B3100)	251.40	74.65
		For Work In Restricted Working Space, Add	*44.79*	
23 05 29 00-0022	EA	20" Steel Clevis Hanger (Cooper B-Line B3100)	393.68	89.59
		For Work In Restricted Working Space, Add	*53.75*	
23 05 29 00-0023	EA	24" Steel Clevis Hanger (Cooper B-Line B3100)	587.97	104.51
		For Work In Restricted Working Space, Add	*62.71*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	27.87	10.75
		For Work In Restricted Working Space, Add	*6.45*	
23 05 29 00-0026	EA	3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.26	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0027	EA	1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.68	11.95
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0028	EA	1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.75	12.92
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0029	EA	1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	33.34	12.92
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0030	EA	2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	34.19	13.14
		For Work In Restricted Working Space, Add	*7.96*	
23 05 29 00-0031	EA	2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	37.76	13.62
		For Work In Restricted Working Space, Add	*8.20*	
23 05 29 00-0032	EA	3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	39.50	14.33
		For Work In Restricted Working Space, Add	*8.43*	
23 05 29 00-0033	EA	3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	44.36	16.72
		For Work In Restricted Working Space, Add	*9.56*	
23 05 29 00-0034	EA	4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	48.27	16.72
		For Work In Restricted Working Space, Add	*9.56*	
23 05 29 00-0035	EA	5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	76.59	20.01
		For Work In Restricted Working Space, Add	*12.00*	
23 05 29 00-0036	EA	6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	94.53	23.89
		For Work In Restricted Working Space, Add	*14.33*	
23 05 29 00-0037	EA	8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	113.18	29.87
		For Work In Restricted Working Space, Add	*17.92*	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*

23 05 29 00-0039	EA	1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	23.08	10.75
		For Work In Restricted Working Space, Add	*6.45*	
23 05 29 00-0040	EA	3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.50	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0041	EA	1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	26.91	11.95
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0042	EA	1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	27.66	12.92
		For Work In Restricted Working Space, Add	*7.76*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0043	EA	1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	27.79	12.92
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0044	EA	2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.58	13.14
		For Work In Restricted Working Space, Add	*7.96*	
23 05 29 00-0045	EA	2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	30.84	13.62
		For Work In Restricted Working Space, Add	*8.20*	
23 05 29 00-0046	EA	3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	32.11	14.33
		For Work In Restricted Working Space, Add	*8.43*	
23 05 29 00-0047	EA	3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	36.22	16.72
		For Work In Restricted Working Space, Add	*9.56*	
23 05 29 00-0048	EA	4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	37.14	16.72
		For Work In Restricted Working Space, Add	*9.56*	

23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) *(23 05 29 00-0002)*

23 05 29 00-0050	EA	3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	31.28	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0051	EA	1" Steel Extended Clevis Hanger (Cooper B-Line B3108)	32.60	11.95
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0052	EA	1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	33.31	12.92
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0053	EA	1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	34.23	12.92
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0054	EA	2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	36.46	13.14
		For Work In Restricted Working Space, Add	*7.96*	
23 05 29 00-0055	EA	2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	38.85	13.62
		For Work In Restricted Working Space, Add	*8.20*	
23 05 29 00-0056	EA	3" Steel Extended Clevis Hanger (Cooper B-Line B3108)	40.64	14.33
		For Work In Restricted Working Space, Add	*8.43*	
23 05 29 00-0057	EA	4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	48.40	16.72
		For Work In Restricted Working Space, Add	*9.56*	
23 05 29 00-0058	EA	5" Steel Extended Clevis Hanger (Cooper B-Line B3108)	61.03	20.01
		For Work In Restricted Working Space, Add	*12.00*	
23 05 29 00-0059	EA	6" Steel Extended Clevis Hanger (Cooper B-Line B3108)	74.96	23.89
		For Work In Restricted Working Space, Add	*14.33*	
23 05 29 00-0060	EA	8" Steel Extended Clevis Hanger (Cooper B-Line B3108)	104.51	29.87
		For Work In Restricted Working Space, Add	*17.92*	
23 05 29 00-0061	EA	10" Steel Extended Clevis Hanger (Cooper B-Line B3108)	145.86	40.61
		For Work In Restricted Working Space, Add	*23.89*	
23 05 29 00-0062	EA	12" Steel Extended Clevis Hanger (Cooper B-Line B3108)	163.87	44.79
		For Work In Restricted Working Space, Add	*26.88*	

23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) *(23 05 29 00-0002)*

23 05 29 00-0064	EA	2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	37.54	13.14
		For Work In Restricted Working Space, Add	*7.96*	
23 05 29 00-0065	EA	2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	39.86	13.62
		For Work In Restricted Working Space, Add	*8.20*	
23 05 29 00-0066	EA	3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	41.80	14.33
		For Work In Restricted Working Space, Add	*8.43*	
23 05 29 00-0067	EA	3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	46.43	16.72
		For Work In Restricted Working Space, Add	*9.56*	
23 05 29 00-0068	EA	4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	48.73	16.72
		For Work In Restricted Working Space, Add	*9.56*	
23 05 29 00-0069	EA	5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	60.60	20.01
		For Work In Restricted Working Space, Add	*12.00*	
23 05 29 00-0070	EA	6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	70.95	23.89
		For Work In Restricted Working Space, Add	*14.33*	
23 05 29 00-0071	EA	8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	93.41	29.87
		For Work In Restricted Working Space, Add	*17.92*	

23 05 29 00-0072 Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) *(23 05 29 00-0002)*

23 05 29 00-0073	EA	1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	28.60	11.05
		For Work In Restricted Working Space, Add	*6.63*	
23 05 29 00-0074	EA	3/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	30.40	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0075	EA	1" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	31.65	11.95
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0076	EA	1-1/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	32.83	12.34
		For Work In Restricted Working Space, Add	*7.68*	
23 05 29 00-0077	EA	1-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	33.54	12.73
		For Work In Restricted Working Space, Add	*7.82*	
23 05 29 00-0078	EA	2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	35.11	13.14
		For Work In Restricted Working Space, Add	*7.96*	
23 05 29 00-0079	EA	2-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	39.45	13.74
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0080	EA	3" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	45.56	14.33
		For Work In Restricted Working Space, Add	*8.43*	
23 05 29 00-0081	EA	3-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	49.55	15.53
		For Work In Restricted Working Space, Add	*8.96*	
23 05 29 00-0082	EA	4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	52.25	16.72
		For Work In Restricted Working Space, Add	*9.56*	
23 05 29 00-0083	EA	5" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	65.21	20.30
		For Work In Restricted Working Space, Add	*11.48*	
23 05 29 00-0084	EA	6" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	86.31	23.89
		For Work In Restricted Working Space, Add	*14.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0085		**Fiberglass Clevis Hanger** *(23 05 29 00-0002)*		
23 05 29 00-0086	EA	1-1/2" Fiberglass Clevis Hanger (Cooper BFV3104)	270.27	12.73
23 05 29 00-0087	EA	2" Fiberglass Clevis Hanger (Cooper BFV3104)	276.49	13.26
23 05 29 00-0088	EA	2-1/2" Fiberglass Clevis Hanger (Cooper BFV3104)	277.42	13.74
23 05 29 00-0089	EA	3" Fiberglass Clevis Hanger (Cooper BFV3104)	318.00	14.09
23 05 29 00-0090	EA	4" Fiberglass Clevis Hanger (Cooper BFV3104)	401.22	15.88
23 05 29 00-0091	EA	6" Fiberglass Clevis Hanger (Cooper BFV3104)	526.68	23.89
23 05 29 00-0092	EA	8" Fiberglass Clevis Hanger (Cooper BFP3104)	738.76	29.87
23 05 29 00-0093	EA	10" Fiberglass Clevis Hanger (Cooper BFP3104)	864.08	39.77
23 05 29 00-0094	EA	12" Fiberglass Clevis Hanger (Cooper BFP3104)	1,106.70	44.79
23 05 29 00-0095		**Adjustable Hangers** *(23 05 29 00-0001)*		
23 05 29 00-0096		**Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)** *(23 05 29 00-0095)*		
		Note: Type 5.		
23 05 29 00-0097	EA	1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	21.08	9.43
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0098	EA	3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	23.14	10.46
		For Work In Restricted Working Space, Add	*6.27*	
23 05 29 00-0099	EA	1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	25.45	11.62
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0100	EA	1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	28.12	12.91
		For Work In Restricted Working Space, Add	*7.75*	
23 05 29 00-0101	EA	1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	29.54	13.55
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0102	EA	2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	31.52	14.21
		For Work In Restricted Working Space, Add	*8.52*	
23 05 29 00-0103	EA	2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	35.68	14.85
		For Work In Restricted Working Space, Add	*8.91*	
23 05 29 00-0104	EA	3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	37.25	15.49
		For Work In Restricted Working Space, Add	*9.29*	
23 05 29 00-0105	EA	4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	43.99	17.43
		For Work In Restricted Working Space, Add	*10.46*	
23 05 29 00-0106		**Adjustable Swivel Steel Ring (Cooper B-Line B3170)** *(23 05 29 00-0095)*		
		Note: Type 10.		
23 05 29 00-0107	EA	1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	24.91	11.95
		For Work In Restricted Working Space, Add	*7.17*	
		For 304 Stainless Steel, Add	*6.73*	
		For 316 Stainless Steel, Add	*8.67*	
23 05 29 00-0108	EA	3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.26	11.95
		For Work In Restricted Working Space, Add	*7.54*	
		For 304 Stainless Steel, Add	*7.39*	
		For 316 Stainless Steel, Add	*9.52*	
23 05 29 00-0109	EA	1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	27.66	13.14
		For Work In Restricted Working Space, Add	*7.96*	
		For 304 Stainless Steel, Add	*7.39*	
		For 316 Stainless Steel, Add	*9.52*	
23 05 29 00-0110	EA	1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	29.35	14.33
		For Work In Restricted Working Space, Add	*8.43*	
		For 304 Stainless Steel, Add	*8.25*	
		For 316 Stainless Steel, Add	*10.63*	
23 05 29 00-0111	EA	1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	33.10	16.72
		For Work In Restricted Working Space, Add	*9.56*	
		For 304 Stainless Steel, Add	*8.25*	
		For 316 Stainless Steel, Add	*10.63*	
23 05 29 00-0112	EA	2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	35.43	16.72
		For Work In Restricted Working Space, Add	*10.24*	
		For 304 Stainless Steel, Add	*8.65*	
		For 316 Stainless Steel, Add	*11.14*	
23 05 29 00-0113	EA	2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	38.89	17.92
		For Work In Restricted Working Space, Add	*11.03*	
		For 304 Stainless Steel, Add	*14.12*	
		For 316 Stainless Steel, Add	*18.19*	
23 05 29 00-0114	EA	3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	42.04	20.30
		For Work In Restricted Working Space, Add	*11.94*	
		For 304 Stainless Steel, Add	*14.72*	
		For 316 Stainless Steel, Add	*18.96*	
23 05 29 00-0115	EA	3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	46.58	21.80
		For Work In Restricted Working Space, Add	*13.08*	
		For 304 Stainless Steel, Add	*19.73*	
		For 316 Stainless Steel, Add	*25.42*	
23 05 29 00-0116	EA	4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	50.76	23.89
		For Work In Restricted Working Space, Add	*14.33*	
		For 304 Stainless Steel, Add	*19.73*	
		For 316 Stainless Steel, Add	*25.42*	
23 05 29 00-0117	EA	5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	59.96	26.88
		For Work In Restricted Working Space, Add	*16.13*	
		For 304 Stainless Steel, Add	*40.99*	
		For 316 Stainless Steel, Add	*52.79*	
23 05 29 00-0118	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	66.02	29.87
		For Work In Restricted Working Space, Add	*17.92*	
		For 304 Stainless Steel, Add	*41.58*	
		For 316 Stainless Steel, Add	*53.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0119	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	79.16	35.83
		For Work In Restricted Working Space, Add	*21.50*	
		For 304 Stainless Steel, Add	*49.43*	
		For 316 Stainless Steel, Add	*63.67*	
23 05 29 00-0120		**Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)** *(23 05 29 00-0095)*		
23 05 29 00-0121	EA	1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	27.63	11.95
		For Work In Restricted Working Space, Add	*7.17*	
		For 304 Stainless Steel, Add	*24.68*	
		For 316 Stainless Steel, Add	*31.79*	
23 05 29 00-0122	EA	3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	28.88	11.95
		For Work In Restricted Working Space, Add	*7.54*	
		For 304 Stainless Steel, Add	*24.68*	
		For 316 Stainless Steel, Add	*31.79*	
23 05 29 00-0123	EA	1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	30.28	13.14
		For Work In Restricted Working Space, Add	*7.96*	
		For 304 Stainless Steel, Add	*24.68*	
		For 316 Stainless Steel, Add	*31.79*	
23 05 29 00-0124	EA	1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	31.84	14.33
		For Work In Restricted Working Space, Add	*8.43*	
		For 304 Stainless Steel, Add	*24.68*	
		For 316 Stainless Steel, Add	*31.79*	
23 05 29 00-0125	EA	1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	35.90	16.72
		For Work In Restricted Working Space, Add	*9.56*	
		For 304 Stainless Steel, Add	*26.73*	
		For 316 Stainless Steel, Add	*34.43*	
23 05 29 00-0126	EA	2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	38.17	16.72
		For Work In Restricted Working Space, Add	*10.24*	
		For 304 Stainless Steel, Add	*26.73*	
		For 316 Stainless Steel, Add	*34.43*	
23 05 29 00-0127	EA	2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	47.38	17.92
		For Work In Restricted Working Space, Add	*11.03*	
		For 304 Stainless Steel, Add	*70.16*	
		For 316 Stainless Steel, Add	*90.36*	
23 05 29 00-0128	EA	3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	52.98	20.30
		For Work In Restricted Working Space, Add	*11.94*	
		For 304 Stainless Steel, Add	*86.92*	
		For 316 Stainless Steel, Add	*111.95*	
23 05 29 00-0129	EA	3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	57.80	21.80
		For Work In Restricted Working Space, Add	*13.08*	
		For 304 Stainless Steel, Add	*93.79*	
		For 316 Stainless Steel, Add	*120.79*	
23 05 29 00-0130	EA	4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	65.07	23.89
		For Work In Restricted Working Space, Add	*14.33*	
		For 304 Stainless Steel, Add	*114.18*	
		For 316 Stainless Steel, Add	*147.05*	
23 05 29 00-0131	EA	5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	71.29	26.88
		For Work In Restricted Working Space, Add	*16.13*	
		For 304 Stainless Steel, Add	*115.76*	
		For 316 Stainless Steel, Add	*149.09*	
23 05 29 00-0132	EA	6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	85.11	29.87
		For Work In Restricted Working Space, Add	*17.92*	
		For 304 Stainless Steel, Add	*167.57*	
		For 316 Stainless Steel, Add	*215.82*	
23 05 29 00-0133		**Roller Hangers** *(23 05 29 00-0001)*		
23 05 29 00-0134		**Single Pipe Roll (Cooper B-Line B3114)** *(23 05 29 00-0133)*		
		Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0135	EA	2" Single Pipe Roll (Cooper B-Line B3114)	33.60	9.56
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0136	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114)	37.07	10.76
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*6.45*	
23 05 29 00-0137	EA	3" Single Pipe Roll (Cooper B-Line B3114)	41.52	12.55
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*7.53*	
23 05 29 00-0138	EA	3-1/2" Single Pipe Roll (Cooper B-Line B3114)	47.73	14.34
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*8.60*	
23 05 29 00-0139	EA	4" Single Pipe Roll (Cooper B-Line B3114)	64.35	16.13
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*9.68*	
23 05 29 00-0140	EA	5" Single Pipe Roll (Cooper B-Line B3114)	58.97	17.93
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*10.76*	
23 05 29 00-0141	EA	6" Single Pipe Roll (Cooper B-Line B3114)	73.03	21.51
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*12.91*	
23 05 29 00-0142	EA	8" Single Pipe Roll (Cooper B-Line B3114)	96.75	25.10
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*15.06*	
23 05 29 00-0143	EA	10" Single Pipe Roll (Cooper B-Line B3114)	114.75	29.88
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*17.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 29 00-0144 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0133)*

Note: Type 43.

23 05 29 00-0145	EA	2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	50.93	16.87
		For Work In Restricted Working Space, Add	*9.73*	
		For 304 Stainless Steel, Add	*122.03*	
		For 316 Stainless Steel, Add	*157.17*	
23 05 29 00-0146	EA	2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	53.26	17.39
		For Work In Restricted Working Space, Add	*10.43*	
		For 304 Stainless Steel, Add	*122.03*	
		For 316 Stainless Steel, Add	*157.17*	
23 05 29 00-0147	EA	3" Steel Clevis Roller Hanger (Cooper B-Line B3110)	57.70	18.17
		For Work In Restricted Working Space, Add	*11.12*	
		For 304 Stainless Steel, Add	*136.09*	
		For 316 Stainless Steel, Add	*175.27*	
23 05 29 00-0148	EA	3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	66.38	19.47
		For Work In Restricted Working Space, Add	*11.68*	
		For 304 Stainless Steel, Add	*181.17*	
		For 316 Stainless Steel, Add	*233.33*	
23 05 29 00-0149	EA	4" Steel Clevis Roller Hanger (Cooper B-Line B3110)	70.71	22.06
		For Work In Restricted Working Space, Add	*12.98*	
		For 304 Stainless Steel, Add	*181.17*	
		For 316 Stainless Steel, Add	*233.33*	
23 05 29 00-0150	EA	5" Steel Clevis Roller Hanger (Cooper B-Line B3110)	79.55	23.74
		For Work In Restricted Working Space, Add	*14.25*	
		For 304 Stainless Steel, Add	*211.53*	
		For 316 Stainless Steel, Add	*272.43*	
23 05 29 00-0151	EA	6" Steel Clevis Roller Hanger (Cooper B-Line B3110)	91.71	25.96
		For Work In Restricted Working Space, Add	*15.57*	
		For 304 Stainless Steel, Add	*262.68*	
		For 316 Stainless Steel, Add	*338.30*	
23 05 29 00-0152	EA	8" Steel Clevis Roller Hanger (Cooper B-Line B3110)	124.45	32.44
		For Work In Restricted Working Space, Add	*19.46*	
		For 304 Stainless Steel, Add	*393.16*	
		For 316 Stainless Steel, Add	*506.35*	
23 05 29 00-0153	EA	10" Steel Clevis Roller Hanger (Cooper B-Line B3110)	157.47	44.13
		For Work In Restricted Working Space, Add	*25.95*	
		For 304 Stainless Steel, Add	*468.34*	
		For 316 Stainless Steel, Add	*603.16*	
23 05 29 00-0154	EA	12" Steel Clevis Roller Hanger (Cooper B-Line B3110)	201.64	48.66
		For Work In Restricted Working Space, Add	*29.20*	
		For 304 Stainless Steel, Add	*688.51*	
		For 316 Stainless Steel, Add	*886.72*	
23 05 29 00-0155	EA	14" Steel Clevis Roller Hanger (Cooper B-Line B3110)	400.69	55.80
		For Work In Restricted Working Space, Add	*33.48*	
		For 304 Stainless Steel, Add	*1,907.99*	
		For 316 Stainless Steel, Add	*2,457.27*	
23 05 29 00-0156	EA	16" Steel Clevis Roller Hanger (Cooper B-Line B3110)	500.86	64.88
		For Work In Restricted Working Space, Add	*38.93*	
		For 304 Stainless Steel, Add	*2,449.19*	
		For 316 Stainless Steel, Add	*3,154.27*	

23 05 29 00-0157 Roller Chair (Cooper B-Line B3120) *(23 05 29 00-0133)*

23 05 29 00-0158	EA	2" Steel Roller Chair (Cooper B-Line B3120)	49.71	16.87
		For Work In Restricted Working Space, Add	*9.73*	
23 05 29 00-0159	EA	2-1/2" Steel Roller Chair (Cooper B-Line B3120)	53.52	17.39
		For Work In Restricted Working Space, Add	*10.43*	
23 05 29 00-0160	EA	3" Steel Roller Chair (Cooper B-Line B3120)	56.26	18.17
		For Work In Restricted Working Space, Add	*11.12*	
23 05 29 00-0161	EA	3-1/2" Steel Roller Chair (Cooper B-Line B3120)	63.36	19.47
		For Work In Restricted Working Space, Add	*11.68*	
23 05 29 00-0162	EA	4" Steel Roller Chair (Cooper B-Line B3120)	70.58	22.06
		For Work In Restricted Working Space, Add	*12.98*	
23 05 29 00-0163	EA	5" Steel Roller Chair (Cooper B-Line B3120)	77.18	23.74
		For Work In Restricted Working Space, Add	*14.25*	
23 05 29 00-0164	EA	6" Steel Roller Chair (Cooper B-Line B3120)	93.25	25.96
		For Work In Restricted Working Space, Add	*15.57*	
23 05 29 00-0165	EA	8" Steel Roller Chair (Cooper B-Line B3120)	120.77	32.44
		For Work In Restricted Working Space, Add	*19.46*	
23 05 29 00-0166	EA	10" Steel Roller Chair (Cooper B-Line B3120)	156.62	44.13
		For Work In Restricted Working Space, Add	*25.95*	
23 05 29 00-0167	EA	12" Steel Roller Chair (Cooper B-Line B3120)	199.41	48.66
		For Work In Restricted Working Space, Add	*29.20*	
23 05 29 00-0168	EA	14" Steel Roller Chair (Cooper B-Line B3120)	218.68	55.80
		For Work In Restricted Working Space, Add	*33.48*	
23 05 29 00-0169	EA	16" Steel Roller Chair (Cooper B-Line B3120)	262.69	64.88
		For Work In Restricted Working Space, Add	*38.93*	
23 05 29 00-0170	EA	18" Steel Roller Chair (Cooper B-Line B3120)	351.48	81.10
		For Work In Restricted Working Space, Add	*48.66*	
23 05 29 00-0171	EA	20" Steel Roller Chair (Cooper B-Line B3120)	433.67	97.32
		For Work In Restricted Working Space, Add	*58.40*	

23 05 29 00-0172 Adjustable Roller Support (Cooper B-Line B3122) *(23 05 29 00-0133)*

23 05 29 00-0173	EA	2" Steel Adjustable Roller Support (Cooper B-Line B3122)	55.40	16.87
		For Work In Restricted Working Space, Add	*9.73*	
23 05 29 00-0174	EA	2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	61.93	17.39
		For Work In Restricted Working Space, Add	*10.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0175	EA	3" Steel Adjustable Roller Support (Cooper B-Line B3122)	65.22	18.17
		For Work In Restricted Working Space, Add	*11.12*	
23 05 29 00-0176	EA	3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	68.85	19.47
		For Work In Restricted Working Space, Add	*11.68*	
23 05 29 00-0177	EA	4" Steel Adjustable Roller Support (Cooper B-Line B3122)	82.07	22.06
		For Work In Restricted Working Space, Add	*12.98*	
23 05 29 00-0178	EA	5" Steel Adjustable Roller Support (Cooper B-Line B3122)	92.75	23.74
		For Work In Restricted Working Space, Add	*14.25*	
23 05 29 00-0179	EA	6" Steel Adjustable Roller Support (Cooper B-Line B3122)	107.31	25.96
		For Work In Restricted Working Space, Add	*15.57*	
23 05 29 00-0180	EA	8" Steel Adjustable Roller Support (Cooper B-Line B3122)	149.70	32.44
		For Work In Restricted Working Space, Add	*19.46*	
23 05 29 00-0181	EA	10" Steel Adjustable Roller Support (Cooper B-Line B3122)	187.81	44.13
		For Work In Restricted Working Space, Add	*25.95*	
23 05 29 00-0182	EA	12" Steel Adjustable Roller Support (Cooper B-Line B3122)	216.68	48.66
		For Work In Restricted Working Space, Add	*29.20*	
23 05 29 00-0183	EA	14" Steel Adjustable Roller Support (Cooper B-Line B3122)	301.37	55.80
		For Work In Restricted Working Space, Add	*33.48*	
23 05 29 00-0184	EA	16" Steel Adjustable Roller Support (Cooper B-Line B3122)	360.48	64.88
		For Work In Restricted Working Space, Add	*38.93*	
23 05 29 00-0185	EA	18" Steel Adjustable Roller Support (Cooper B-Line B3122)	412.33	81.10
		For Work In Restricted Working Space, Add	*48.66*	

23 05 29 00-0186 Adjustable Double Roller Support (Cooper B-Line B3122A) *(23 05 29 00-0133)*

23 05 29 00-0187	EA	2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	55.72	16.87
		For Work In Restricted Working Space, Add	*9.73*	
23 05 29 00-0188	EA	2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	62.22	17.39
		For Work In Restricted Working Space, Add	*10.43*	
23 05 29 00-0189	EA	3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	65.71	18.17
		For Work In Restricted Working Space, Add	*11.12*	
23 05 29 00-0190	EA	3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	68.42	19.47
		For Work In Restricted Working Space, Add	*11.68*	
23 05 29 00-0191	EA	4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	85.39	22.06
		For Work In Restricted Working Space, Add	*12.98*	
23 05 29 00-0192	EA	5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	96.66	23.74
		For Work In Restricted Working Space, Add	*14.25*	
23 05 29 00-0193	EA	6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	111.97	25.96
		For Work In Restricted Working Space, Add	*15.57*	
23 05 29 00-0194	EA	8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	156.92	32.44
		For Work In Restricted Working Space, Add	*19.46*	
23 05 29 00-0195	EA	10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	196.48	44.13
		For Work In Restricted Working Space, Add	*25.95*	
23 05 29 00-0196	EA	12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	226.83	48.66
		For Work In Restricted Working Space, Add	*29.20*	
23 05 29 00-0197	EA	14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	317.59	55.80
		For Work In Restricted Working Space, Add	*33.48*	

23 05 29 00-0198 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0199 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0198)*

Note: Type 4.

23 05 29 00-0200	EA	1/2" Steel Pipe Clamp (Cooper B-Line B3140)	19.79	7.75
		For Work In Restricted Working Space, Add	*4.65*	
23 05 29 00-0201	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140)	20.05	7.87
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0202	EA	1" Steel Pipe Clamp (Cooper B-Line B3140)	20.34	8.00
		For Work In Restricted Working Space, Add	*4.80*	
23 05 29 00-0203	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	21.91	8.13
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0204	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	22.17	8.26
		For Work In Restricted Working Space, Add	*4.96*	
23 05 29 00-0205	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	23.42	8.39
		For Work In Restricted Working Space, Add	*5.04*	
23 05 29 00-0206	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	24.33	8.65
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0207	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	25.67	8.90
		For Work In Restricted Working Space, Add	*5.35*	
23 05 29 00-0208	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	29.17	9.04
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0209	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	34.34	11.62
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0210	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	48.71	15.49
		For Work In Restricted Working Space, Add	*9.29*	
23 05 29 00-0211	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	65.92	19.37
		For Work In Restricted Working Space, Add	*11.62*	
23 05 29 00-0212	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	77.50	22.59
		For Work In Restricted Working Space, Add	*13.56*	
23 05 29 00-0213	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	109.89	25.82
		For Work In Restricted Working Space, Add	*15.49*	
23 05 29 00-0214	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	146.90	28.40
		For Work In Restricted Working Space, Add	*17.04*	
23 05 29 00-0215	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	231.08	30.98
		For Work In Restricted Working Space, Add	*18.59*	
23 05 29 00-0216	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	250.46	33.57
		For Work In Restricted Working Space, Add	*20.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0217	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	398.89	36.15
		For Work In Restricted Working Space, Add	*21.69*	
23 05 29 00-0218	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	459.94	38.73
		For Work In Restricted Working Space, Add	*23.24*	
23 05 29 00-0219	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	596.02	42.61
		For Work In Restricted Working Space, Add	*25.56*	

23 05 29 00-0220 Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0198)*

23 05 29 00-0221	EA	3" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	37.25	8.36
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0222	EA	4" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	47.85	8.36
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0223	EA	5" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	52.34	8.66
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0224	EA	6" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	81.60	8.96
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0225	EA	8" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	88.67	9.55
		For Work In Restricted Working Space, Add	*5.73*	
23 05 29 00-0226	EA	10" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	149.02	9.55
		For Work In Restricted Working Space, Add	*5.72*	
23 05 29 00-0227	EA	12" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	239.22	10.75
		For Work In Restricted Working Space, Add	*6.44*	
23 05 29 00-0228	EA	14" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	302.80	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0229	EA	16" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	329.82	14.33
		For Work In Restricted Working Space, Add	*8.60*	
23 05 29 00-0230	EA	18" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,013.98	16.72
		For Work In Restricted Working Space, Add	*10.03*	
23 05 29 00-0231	EA	20" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,164.99	17.92
		For Work In Restricted Working Space, Add	*10.75*	
23 05 29 00-0232	EA	24" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,490.62	19.11
		For Work In Restricted Working Space, Add	*11.47*	

23 05 29 00-0233 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0198)*

Note: Type 8.

23 05 29 00-0234	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	19.72	7.17
		For Work In Restricted Working Space, Add	*4.30*	
23 05 29 00-0235	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	20.46	7.29
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0236	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	20.76	7.41
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0237	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	22.24	7.53
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0238	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	23.04	7.64
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0239	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	23.58	7.76
		For Work In Restricted Working Space, Add	*4.66*	
23 05 29 00-0240	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	24.54	8.00
		For Work In Restricted Working Space, Add	*4.80*	
23 05 29 00-0241	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	25.92	8.24
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0242	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	28.18	8.36
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0243	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	34.48	10.75
		For Work In Restricted Working Space, Add	*6.45*	
23 05 29 00-0244	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	44.76	14.33
		For Work In Restricted Working Space, Add	*8.60*	
23 05 29 00-0245	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	56.65	17.92
		For Work In Restricted Working Space, Add	*10.75*	
23 05 29 00-0246	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	75.88	20.91
		For Work In Restricted Working Space, Add	*12.54*	
23 05 29 00-0247	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	98.21	23.89
		For Work In Restricted Working Space, Add	*14.33*	
23 05 29 00-0248	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	117.70	26.28
		For Work In Restricted Working Space, Add	*15.77*	
23 05 29 00-0249	EA	14" Steel Riser Clamp (Cooper B-Line B3373)	155.35	28.67
		For Work In Restricted Working Space, Add	*17.20*	
23 05 29 00-0250	EA	16" Steel Riser Clamp (Cooper B-Line B3373)	285.86	31.05
		For Work In Restricted Working Space, Add	*18.63*	

23 05 29 00-0251 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0198)*

23 05 29 00-0252	EA	1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	32.52	7.17
		For Work In Restricted Working Space, Add	*4.30*	
23 05 29 00-0253	EA	3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.03	7.29
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0254	EA	1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	34.31	7.41
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0255	EA	1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	36.53	7.53
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0256	EA	1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	40.90	7.64
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0257	EA	2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	43.31	7.76
		For Work In Restricted Working Space, Add	*4.66*	
23 05 29 00-0258	EA	2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	46.70	8.00
		For Work In Restricted Working Space, Add	*4.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0259	EA	3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	51.10	8.24
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0260	EA	4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	69.02	10.75
		For Work In Restricted Working Space, Add	*6.45*	
23 05 29 00-0261		Copper Tubing Riser Clamp (Cooper B-Line B3373CT) *(23 05 29 00-0198)*		
23 05 29 00-0262	EA	1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	34.09	7.17
23 05 29 00-0263	EA	3/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	34.34	7.29
23 05 29 00-0264	EA	1" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	34.57	7.41
23 05 29 00-0265	EA	1-1/4"Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	35.45	7.53
23 05 29 00-0266	EA	1-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	40.20	7.64
23 05 29 00-0267	EA	2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	41.80	7.76
23 05 29 00-0268	EA	2-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	46.94	8.00
23 05 29 00-0269	EA	3" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	52.28	8.24
23 05 29 00-0270	EA	3-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	64.25	8.36
23 05 29 00-0271	EA	4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	69.51	10.75
23 05 29 00-0272	EA	5" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	92.42	14.33
23 05 29 00-0273	EA	6" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	117.95	17.92
23 05 29 00-0274		Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0198)*		
		Note: Type 42		
23 05 29 00-0275	EA	4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	69.99	8.36
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0276	EA	6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	74.38	8.96
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0277	EA	8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	81.53	9.55
		For Work In Restricted Working Space, Add	*5.73*	
23 05 29 00-0278	EA	10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	86.76	9.55
		For Work In Restricted Working Space, Add	*5.72*	
23 05 29 00-0279	EA	12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	104.64	10.75
		For Work In Restricted Working Space, Add	*6.44*	
23 05 29 00-0280	EA	14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	316.26	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0281	EA	16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	423.01	14.33
		For Work In Restricted Working Space, Add	*8.60*	
23 05 29 00-0282	EA	18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	503.89	16.72
		For Work In Restricted Working Space, Add	*10.03*	
23 05 29 00-0283	EA	20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	731.42	17.92
		For Work In Restricted Working Space, Add	*10.75*	
23 05 29 00-0284	EA	24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,005.83	19.11
		For Work In Restricted Working Space, Add	*11.47*	
23 05 29 00-0285		Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0198)*		
23 05 29 00-0286	EA	4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	64.86	8.36
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0287	EA	6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	69.98	8.96
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0288	EA	8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	119.77	9.55
		For Work In Restricted Working Space, Add	*5.73*	
23 05 29 00-0289	EA	10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	132.73	9.55
		For Work In Restricted Working Space, Add	*5.72*	
23 05 29 00-0290	EA	12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	189.41	10.75
		For Work In Restricted Working Space, Add	*6.44*	
23 05 29 00-0291	EA	14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	288.59	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0292	EA	16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	386.43	14.33
		For Work In Restricted Working Space, Add	*8.60*	
23 05 29 00-0293	EA	18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	459.79	16.72
		For Work In Restricted Working Space, Add	*10.03*	
23 05 29 00-0294	EA	20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	669.48	17.92
		For Work In Restricted Working Space, Add	*10.75*	
23 05 29 00-0295	EA	24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	914.14	19.11
		For Work In Restricted Working Space, Add	*11.47*	
23 05 29 00-0296		Split Pipe Clamps And Rings *(23 05 29 00-0001)*		
23 05 29 00-0297		Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0296)*		
		Note: Type 6.		
23 05 29 00-0298	EA	3/4" Adjustable Swivel Ring (Cooper B-Line B3171)	32.30	10.97
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0299	EA	1" Adjustable Swivel Ring (Cooper B-Line B3171)	34.21	11.62
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0300	EA	1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171)	37.31	12.91
		For Work In Restricted Working Space, Add	*7.75*	
23 05 29 00-0301	EA	1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	40.05	13.55
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0302	EA	2" Adjustable Swivel Ring (Cooper B-Line B3171)	43.08	14.21
		For Work In Restricted Working Space, Add	*8.52*	
23 05 29 00-0303	EA	2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	52.06	14.85
		For Work In Restricted Working Space, Add	*8.91*	
23 05 29 00-0304	EA	3" Adjustable Swivel Ring (Cooper B-Line B3171)	56.79	15.49
		For Work In Restricted Working Space, Add	*9.29*	
23 05 29 00-0305	EA	4" Adjustable Swivel Ring (Cooper B-Line B3171)	74.23	17.43
		For Work In Restricted Working Space, Add	*10.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0306	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171)	94.30	21.95
		For Work In Restricted Working Space, Add	*13.17*	
23 05 29 00-0307	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171)	124.60	25.82
		For Work In Restricted Working Space, Add	*15.49*	

23 05 29 00-0308 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0296)*

Note: Type 11.

23 05 29 00-0309	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	21.88	9.08
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0310	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	23.04	9.08
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0311	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	25.43	11.67
		For Work In Restricted Working Space, Add	*6.49*	
23 05 29 00-0312	EA	1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	27.49	11.67
		For Work In Restricted Working Space, Add	*6.83*	
23 05 29 00-0313	EA	1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	30.31	11.67
		For Work In Restricted Working Space, Add	*7.07*	
23 05 29 00-0314	EA	2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	35.11	12.97
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0315	EA	2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	45.31	12.97
		For Work In Restricted Working Space, Add	*8.11*	
23 05 29 00-0316	EA	3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	50.00	14.27
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0317	EA	4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	53.42	15.57
		For Work In Restricted Working Space, Add	*9.27*	

23 05 29 00-0318 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0296)*

Note: Type 12.

23 05 29 00-0319	EA	1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	21.88	9.08
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0320	EA	3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	23.04	9.73
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0321	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	25.43	11.03
		For Work In Restricted Working Space, Add	*6.49*	
23 05 29 00-0322	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	27.49	11.67
		For Work In Restricted Working Space, Add	*6.83*	
23 05 29 00-0323	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	30.31	11.67
		For Work In Restricted Working Space, Add	*7.07*	
23 05 29 00-0324	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	35.11	12.97
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0325	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	45.31	13.62
		For Work In Restricted Working Space, Add	*8.11*	
23 05 29 00-0326	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	50.00	14.27
		For Work In Restricted Working Space, Add	*8.46*	

23 05 29 00-0327 Pipe Straps *(23 05 29 00-0001)*

23 05 29 00-0328 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0327)*

23 05 29 00-0329	EA	1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.95	6.49
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0330	EA	3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.63	7.79
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0331	EA	1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	16.40	7.79
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0332	EA	1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	17.34	7.79
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0333	EA	1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	18.36	9.08
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0334	EA	2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	20.82	9.08
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0335	EA	2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	24.90	9.08
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0336	EA	3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	31.09	9.08
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0337	EA	4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	36.77	11.67
		For Work In Restricted Working Space, Add	*7.01*	
23 05 29 00-0338	EA	6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	44.45	12.97
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0339	EA	8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	54.58	14.27
		For Work In Restricted Working Space, Add	*8.56*	

23 05 29 00-0340 Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0327)*

23 05 29 00-0341	EA	1/2" Two Hole Copper-Clad Pipe Strap	7.16	
		For Work In Restricted Working Space, Add	*1.95*	
23 05 29 00-0342	EA	3/4" Two Hole Copper-Clad Pipe Strap	7.60	
		For Work In Restricted Working Space, Add	*2.04*	
23 05 29 00-0343	EA	1" Two Hole Copper-Clad Pipe Strap	8.51	
		For Work In Restricted Working Space, Add	*2.14*	
23 05 29 00-0344	EA	1-1/4" Two Hole Copper-Clad Pipe Strap	9.45	
		For Work In Restricted Working Space, Add	*2.24*	
23 05 29 00-0345	EA	1-1/2" Two Hole Copper-Clad Pipe Strap	10.16	
		For Work In Restricted Working Space, Add	*2.34*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0346	EA	2" Two Hole Copper-Clad Pipe Strap	11.02	
		For Work In Restricted Working Space, Add	*2.53*	

23 05 29 00-0347 One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0327)*

23 05 29 00-0348	EA	1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.04	
		For Work In Restricted Working Space, Add	*0.65*	
23 05 29 00-0349	EA	3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.56	
		For Work In Restricted Working Space, Add	*0.69*	
23 05 29 00-0350	EA	1" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.84	
		For Work In Restricted Working Space, Add	*0.75*	
23 05 29 00-0351	EA	1-1/4" Galvanized Steel Strap, 1 Hole	4.13	
		For Work In Restricted Working Space, Add	*0.81*	
23 05 29 00-0352	EA	1-1/2" Galvanized Steel Strap, 1 Hole	4.44	
		For Work In Restricted Working Space, Add	*0.89*	
23 05 29 00-0353	EA	2" Galvanized Steel Strap, 1 Hole	4.94	
		For Work In Restricted Working Space, Add	*0.97*	

23 05 29 00-0354 Pipe and Equipment Support Brackets *(23 05 29 00-0001)*

23 05 29 00-0355 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0354)*

Note: Up to 750# load.

23 05 29 00-0356	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	117.44	14.33
		For Galvanized, Add	*17.75*	
		For Work In Restricted Working Space, Add	*8.60*	
23 05 29 00-0357	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	119.06	14.33
		For Galvanized, Add	*18.08*	
		For Work In Restricted Working Space, Add	*8.60*	
23 05 29 00-0358	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	125.48	14.33
		For Galvanized, Add	*19.36*	
		For Work In Restricted Working Space, Add	*8.60*	

23 05 29 00-0359 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0354)*

Note: Up to 1500# load.

23 05 29 00-0360	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	274.28	14.33
		For Galvanized, Add	*49.12*	
		For Work In Restricted Working Space, Add	*8.60*	
23 05 29 00-0361	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	320.45	14.33
		For Galvanized, Add	*58.36*	
		For Work In Restricted Working Space, Add	*8.60*	
23 05 29 00-0362	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	414.60	14.33
		For Galvanized, Add	*77.19*	
		For Work In Restricted Working Space, Add	*8.60*	

23 05 29 00-0363 Fiberglass Brackets *(23 05 29 00-0354)*

23 05 29 00-0364 Polyester Resin *(23 05 29 00-0363)*

Note: (B-Line BFP409 Series), single channel bracket.

23 05 29 00-0365	EA	6" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	324.49	11.95
23 05 29 00-0366	EA	9" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	342.12	13.14
23 05 29 00-0367	EA	12" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	359.75	14.33
23 05 29 00-0368	EA	18" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	407.07	14.93
23 05 29 00-0369	EA	24" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	451.07	15.53

23 05 29 00-0370 Vinyl Ester Resin *(23 05 29 00-0363)*

Note: (B-Line BFV409 Series), single channel bracket.

23 05 29 00-0371	EA	6" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	414.67	11.95
23 05 29 00-0372	EA	9" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	437.24	13.14
23 05 29 00-0373	EA	12" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	460.22	14.33
23 05 29 00-0374	EA	18" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	520.31	14.93
23 05 29 00-0375	EA	24" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	583.67	15.53

23 05 29 00-0376 Polyester Resin *(23 05 29 00-0363)*

Note: (B-Line BFP494 Series), braced single channel bracket.

23 05 29 00-0377	EA	24" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	503.37	15.53
23 05 29 00-0378	EA	30" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	520.18	16.72
23 05 29 00-0379	EA	36" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	555.50	17.92

23 05 29 00-0380 Vinyl Ester Resin *(23 05 29 00-0363)*

Note: (B-Line BFV494 Series), braced single channel bracket.

23 05 29 00-0381	EA	24" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	645.85	15.53
23 05 29 00-0382	EA	30" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	674.18	16.72
23 05 29 00-0383	EA	36" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	711.98	17.92

23 05 29 00-0384 Pipe Alignment Guide *(23 05 29 00-0001)*

23 05 29 00-0385 Pipe Alignment Guide, 1" Insulation *(23 05 29 00-0384)*

23 05 29 00-0386	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	458.19	22.70

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0387	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	459.38	23.29
23 05 29 00-0388	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	460.57	23.89
23 05 29 00-0389	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	461.77	24.49
23 05 29 00-0390	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	503.18	25.08
23 05 29 00-0391	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	514.20	27.47
23 05 29 00-0392	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	515.99	28.37
23 05 29 00-0393	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	517.78	29.26
23 05 29 00-0394	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	548.05	31.05
23 05 29 00-0395	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	640.49	39.42
23 05 29 00-0396	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	657.20	47.77
23 05 29 00-0397	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	743.24	59.72
23 05 29 00-0398	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,357.61	71.67
23 05 29 00-0399	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,060.37	95.55
23 05 29 00-0400	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	2,536.20	119.44
23 05 29 00-0401	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,047.36	133.77
23 05 29 00-0402	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	3,288.98	149.31
23 05 29 00-0403	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	3,500.62	170.80
23 05 29 00-0404	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	4,395.20	179.16

23 05 29 00-0405 Pipe Alignment Guide, 1-1/2" Insulation *(23 05 29 00-0384)*

23 05 29 00-0406	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	459.38	23.29
23 05 29 00-0407	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	500.78	23.89
23 05 29 00-0408	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	501.98	24.49
23 05 29 00-0409	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	503.18	25.08
23 05 29 00-0410	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	504.37	25.68
23 05 29 00-0411	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	515.40	28.07
23 05 29 00-0412	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	517.19	28.97
23 05 29 00-0413	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	545.66	29.87
23 05 29 00-0414	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	549.24	31.65
23 05 29 00-0415	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	642.28	40.31
23 05 29 00-0416	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	659.59	48.97
23 05 29 00-0417	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	746.23	61.21
23 05 29 00-0418	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,361.19	73.46
23 05 29 00-0419	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,065.14	97.94
23 05 29 00-0420	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	2,542.17	122.43
23 05 29 00-0421	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,054.53	137.36
23 05 29 00-0422	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	3,296.15	152.89
23 05 29 00-0423	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	3,508.99	174.98
23 05 29 00-0424	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	4,404.16	183.64

23 05 29 00-0425 Pipe Alignment Guide, 2" Insulation *(23 05 29 00-0384)*

23 05 29 00-0426	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	500.78	23.89
23 05 29 00-0427	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	508.23	24.49
23 05 29 00-0428	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	509.43	25.08
23 05 29 00-0429	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	510.62	25.68
23 05 29 00-0430	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	511.81	26.28
23 05 29 00-0431	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	543.27	28.67
23 05 29 00-0432	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	545.66	29.87
23 05 29 00-0433	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	547.15	30.61
23 05 29 00-0434	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	626.15	32.25
23 05 29 00-0435	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	644.07	41.21
23 05 29 00-0436	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	724.13	50.17
23 05 29 00-0437	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	818.05	62.71
23 05 29 00-0438	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,364.77	75.25
23 05 29 00-0439	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,069.92	100.33
23 05 29 00-0440	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	2,548.15	125.41
23 05 29 00-0441	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,061.42	140.81
23 05 29 00-0442	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	3,303.91	156.76
23 05 29 00-0443	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	3,517.34	179.16
23 05 29 00-0444	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	4,413.12	188.12

23 05 29 00-0445 Pipe Alignment Guide, 2-1/2" Insulation *(23 05 29 00-0384)*

23 05 29 00-0446	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	508.23	24.49
23 05 29 00-0447	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	536.11	25.08
23 05 29 00-0448	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	537.30	25.68
23 05 29 00-0449	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	538.49	26.28
23 05 29 00-0450	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	539.69	26.88
23 05 29 00-0451	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	544.46	29.26
23 05 29 00-0452	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	547.15	30.61
23 05 29 00-0453	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	624.36	31.35
23 05 29 00-0454	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	627.34	32.84
23 05 29 00-0455	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	707.41	41.80
23 05 29 00-0456	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	726.52	51.36
23 05 29 00-0457	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,342.68	64.20
23 05 29 00-0458	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,023.34	77.04
23 05 29 00-0459	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,502.76	102.72
23 05 29 00-0460	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,554.55	128.40
23 05 29 00-0461	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,068.86	144.52
23 05 29 00-0462	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	3,311.68	160.65
23 05 29 00-0463	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	3,526.30	183.64
23 05 29 00-0464	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	4,422.67	192.90

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0465		**Pipe Alignment Guide, 3" Insulation** *(23 05 29 00-0384)*		
23 05 29 00-0466	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	536.11	25.08
23 05 29 00-0467	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	537.30	25.68
23 05 29 00-0468	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	538.49	26.28
23 05 29 00-0469	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	539.69	26.88
23 05 29 00-0470	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	540.88	27.47
23 05 29 00-0471	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	621.37	29.87
23 05 29 00-0472	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	624.36	31.35
23 05 29 00-0473	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	626.15	32.25
23 05 29 00-0474	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	691.16	33.68
23 05 29 00-0475	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	709.80	43.00
23 05 29 00-0476	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	797.75	52.55
23 05 29 00-0477	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,345.67	65.69
23 05 29 00-0478	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,026.92	78.84
23 05 29 00-0479	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,507.53	105.11
23 05 29 00-0480	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,560.52	131.39
23 05 29 00-0481	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,076.03	148.11
23 05 29 00-0482	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	3,318.85	164.23
23 05 29 00-0483	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	3,535.26	188.12
23 05 29 00-0484	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	4,432.23	197.67
23 05 29 00-0485		**Pipe Alignment Guide, 3-1/2" Insulation** *(23 05 29 00-0384)*		
23 05 29 00-0486	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	537.30	25.68
23 05 29 00-0487	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	614.20	26.28
23 05 29 00-0488	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	615.40	26.88
23 05 29 00-0489	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	616.59	27.47
23 05 29 00-0490	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	617.79	28.07
23 05 29 00-0491	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	622.86	30.61
23 05 29 00-0492	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	625.91	32.13
23 05 29 00-0493	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	689.91	33.06
23 05 29 00-0494	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	693.07	34.64
23 05 29 00-0495	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	781.03	44.19
23 05 29 00-0496	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,321.77	53.75
23 05 29 00-0497	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	2,003.63	67.19
23 05 29 00-0498	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,459.36	80.80
23 05 29 00-0499	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	2,994.80	107.49
23 05 29 00-0500	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,049.15	134.67
23 05 29 00-0501	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	3,303.69	151.69
23 05 29 00-0502	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	3,495.84	168.41
23 05 29 00-0503	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	4,421.48	192.30
23 05 29 00-0504		**Pipe Alignment Guide, 4" Insulation** *(23 05 29 00-0384)*		
23 05 29 00-0505	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	614.20	26.28
23 05 29 00-0506	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	615.40	26.88
23 05 29 00-0507	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	616.59	27.47
23 05 29 00-0508	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	617.79	28.07
23 05 29 00-0509	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	618.98	28.67
23 05 29 00-0510	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	686.51	31.35
23 05 29 00-0511	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	689.49	32.84
23 05 29 00-0512	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	691.52	33.86
23 05 29 00-0513	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	763.70	35.53
23 05 29 00-0514	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,305.05	45.39
23 05 29 00-0515	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,324.17	54.94
23 05 29 00-0516	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	2,006.62	68.68
23 05 29 00-0517	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,463.77	83.01
23 05 29 00-0518	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	3,000.18	110.18
23 05 29 00-0519	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	3,265.10	137.36
23 05 29 00-0520	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	3,469.57	155.27
23 05 29 00-0521	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	4,383.26	173.19
23 05 29 00-0522		**Sway Bracing For No Hub Pipe** *(23 05 29 00-0001)*		
23 05 29 00-0523	EA	1-1/2" Sway Bracing	158.24	15.76
		For Work In Restricted Working Space, Add	*9.43*	
23 05 29 00-0524	EA	2" Sway Bracing	163.00	16.60
		For Work In Restricted Working Space, Add	*9.95*	
23 05 29 00-0525	EA	3" Sway Bracing	168.80	17.55
		For Work In Restricted Working Space, Add	*10.54*	
23 05 29 00-0526	EA	4" Sway Bracing	191.60	19.95
		For Work In Restricted Working Space, Add	*11.94*	
23 05 29 00-0527	EA	6" Sway Bracing	281.07	29.87
		For Work In Restricted Working Space, Add	*17.92*	
23 05 29 00-0528	EA	8" Sway Bracing	311.03	37.26
		For Work In Restricted Working Space, Add	*22.40*	
23 05 29 00-0529	EA	10" Sway Bracing	350.05	49.81
		For Work In Restricted Working Space, Add	*29.86*	
23 05 29 00-0530		**Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle)** *(23 05 29 00-0001)*		
		Note: Heights listed is total for base and adjustable saddle		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0531	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	370.19	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0532	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	378.20	13.14
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0533	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	737.81	14.93
		For Work In Restricted Working Space, Add	*8.96*	
23 05 29 00-0534	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	907.82	16.72
		For Work In Restricted Working Space, Add	*10.03*	
23 05 29 00-0535	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	919.11	18.51
		For Work In Restricted Working Space, Add	*11.11*	
23 05 29 00-0536	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,008.64	20.91
		For Work In Restricted Working Space, Add	*12.54*	
23 05 29 00-0537	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,206.32	22.70
		For Work In Restricted Working Space, Add	*13.62*	
23 05 29 00-0538	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,220.06	24.49
		For Work In Restricted Working Space, Add	*14.69*	
23 05 29 00-0539	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,237.63	26.88
		For Work In Restricted Working Space, Add	*16.13*	
23 05 29 00-0540	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,287.55	29.26
		For Work In Restricted Working Space, Add	*17.56*	
23 05 29 00-0541	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,377.24	32.25
		For Work In Restricted Working Space, Add	*19.35*	
23 05 29 00-0542	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,417.33	35.83
		For Work In Restricted Working Space, Add	*21.50*	
23 05 29 00-0543	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,729.00	39.42
		For Work In Restricted Working Space, Add	*23.65*	
23 05 29 00-0544	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,882.65	44.19
		For Work In Restricted Working Space, Add	*26.52*	
23 05 29 00-0545	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,667.20	48.97
		For Work In Restricted Working Space, Add	*29.38*	
23 05 29 00-0546	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,273.63	53.75
		For Work In Restricted Working Space, Add	*32.25*	
23 05 29 00-0547	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,919.01	58.52
		For Work In Restricted Working Space, Add	*35.12*	

23 05 29 00-0548 Pipe Isolators Wrap At Hanger *(23 05 29 00-0001)*

Note: Superstrut S-176.

23 05 29 00-0549	LF	Pipe Isolator Wrap (Cooper B-LINE B-1999)	8.30	

23 05 29 00-0550 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

23 05 29 00-0551	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	14.02	5.38
23 05 29 00-0552	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	14.77	5.97
23 05 29 00-0553	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	16.28	6.27
23 05 29 00-0554	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	17.39	6.57
23 05 29 00-0555	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	19.38	7.17
23 05 29 00-0556	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	21.52	7.47
23 05 29 00-0557	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	26.79	7.76
23 05 29 00-0558	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	29.57	8.36
23 05 29 00-0559	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	36.18	9.55
23 05 29 00-0560	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	53.95	10.75

23 05 29 00-0561 Galvanized Steel Cushion Tube Clamp (KMC) *(23 05 29 00-0001)*

Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0562	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.70	
23 05 29 00-0563	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.89	
23 05 29 00-0564	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.02	
23 05 29 00-0565	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.34	
23 05 29 00-0566	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.96	
23 05 29 00-0567	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.53	
23 05 29 00-0568	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.18	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0569	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.87	
23 05 29 00-0570	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	5.90	
23 05 29 00-0571	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.49	
23 05 29 00-0572	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.81	
23 05 29 00-0573	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.79	
23 05 29 00-0574	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.84	
23 05 29 00-0575	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.47	
23 05 29 00-0576	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.52	
23 05 29 00-0577	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.61	
23 05 29 00-0578	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	8.18	
23 05 29 00-0579	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	9.32	
23 05 29 00-0580	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.66	
23 05 29 00-0581	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.37	
23 05 29 00-0582	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.49	
23 05 29 00-0583	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.01	
23 05 29 00-0584	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.37	
23 05 29 00-0585	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	12.19	
23 05 29 00-0586	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.45	
23 05 29 00-0587	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.27	
23 05 29 00-0588	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	14.46	
23 05 29 00-0589	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.36	
23 05 29 00-0590	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.56	
23 05 29 00-0591	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	15.16	

23 05 29 00-0592 Rooftop Pipe Supports *(23 05 29 00-0001)*

Note: Excludes pipe/conduit clamps and straps.

23 05 29 00-0593 Rooftop Support Base *(23 05 29 00-0592)*

23 05 29 00-0594	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	41.57	9.73
23 05 29 00-0595	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	57.84	12.97

23 05 29 00-0596 Rooftop Support Base With 14 Gauge Galvanized Channel *(23 05 29 00-0592)*

23 05 29 00-0597	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	47.07	9.73
23 05 29 00-0598	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	66.79	12.97
23 05 29 00-0599	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	122.37	16.22
23 05 29 00-0600	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	168.78	19.46
23 05 29 00-0601	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	233.21	22.70
23 05 29 00-0602	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	246.19	25.95

23 05 29 00-0603 Rooftop Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0592)*

23 05 29 00-0604	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	81.40	12.97
23 05 29 00-0605	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	128.89	16.22
23 05 29 00-0606	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	171.40	19.46
23 05 29 00-0607	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	233.36	22.70
23 05 29 00-0608	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	261.79	19.46

23 05 29 00-0609 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0592)*

23 05 29 00-0610	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	136.06	19.46
23 05 29 00-0611	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	155.02	22.70
23 05 29 00-0612	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	161.46	25.95
23 05 29 00-0613	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	176.83	29.19
23 05 29 00-0614	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	225.71	32.43

23 05 29 00-0615 Rooftop Pipe Support Base And Rod *(23 05 29 00-0592)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0616	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	98.71	12.97
23 05 29 00-0617	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	98.71	12.97
23 05 29 00-0618	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	99.25	12.97
23 05 29 00-0619	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	106.29	16.22
23 05 29 00-0620	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	102.29	16.22
23 05 29 00-0621	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	107.43	16.22
23 05 29 00-0622		**Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0592)*		
23 05 29 00-0623	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	124.89	12.97
23 05 29 00-0624	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	139.25	12.97
23 05 29 00-0625	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	182.44	16.22
23 05 29 00-0626	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	241.13	16.22
23 05 29 00-0627	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	328.30	16.22
23 05 29 00-0628		**Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0592)* Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0629	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	155.96	19.46
23 05 29 00-0630		**Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0592)* Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0631	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	102.56	16.22
23 05 29 00-0632	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	139.54	19.46
23 05 29 00-0633	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	155.69	22.70
23 05 29 00-0634		**Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0592)* Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0635	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	373.30	25.95
23 05 29 00-0636	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	377.43	25.95
23 05 29 00-0637	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	391.92	25.95
23 05 29 00-0638	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	425.19	25.95
23 05 29 00-0639	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	365.92	25.95
23 05 29 00-0640	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	379.79	25.95
23 05 29 00-0641	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	394.28	25.95
23 05 29 00-0642	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	427.53	25.95
23 05 29 00-0643	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	382.40	25.95
23 05 29 00-0644	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	387.24	25.95
23 05 29 00-0645	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	401.45	25.95
23 05 29 00-0646	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	434.85	25.95
23 05 29 00-0647	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	399.24	25.95
23 05 29 00-0648	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	403.65	25.95
23 05 29 00-0649	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	417.87	25.95
23 05 29 00-0650	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	451.27	25.95
23 05 29 00-0651		**Threaded Rod, Accessories And Attachments** *(23 05 29)*		
23 05 29 00-0652		**Threaded Rod And Rod Accessories** *(23 05 29 00-0651)*		
23 05 29 00-0653		**Threaded Rod** *(23 05 29 00-0652)* Note: Fully threaded.		
23 05 29 00-0654	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.83	0.81
		For Galvanized, Add	*0.88*	
		For Zinc Plated, Add	*0.63*	
		For Work In Restricted Working Space, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0655	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.23	0.87
		For Galvanized, Add	*1.40*	
		For Zinc Plated, Add	*1.00*	
		For Work In Restricted Working Space, Add	*0.52*	
23 05 29 00-0656	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.23	0.90
		For Galvanized, Add	*2.18*	
		For Zinc Plated, Add	*1.55*	
		For Work In Restricted Working Space, Add	*0.54*	
23 05 29 00-0657	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.73	0.93
		For Galvanized, Add	*3.96*	
		For Zinc Plated, Add	*2.82*	
		For Work In Restricted Working Space, Add	*0.55*	
23 05 29 00-0658	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.78	0.96
		For Galvanized, Add	*4.35*	
		For Zinc Plated, Add	*3.10*	
		For Work In Restricted Working Space, Add	*0.57*	
23 05 29 00-0659	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.43	1.08
		For Galvanized, Add	*6.11*	
		For Zinc Plated, Add	*4.35*	
		For Work In Restricted Working Space, Add	*0.65*	
23 05 29 00-0660	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.66	1.20
		For Galvanized, Add	*7.70*	
		For Zinc Plated, Add	*5.49*	
		For Work In Restricted Working Space, Add	*0.72*	

23 05 29 00-0661 Rod Couplings *(23 05 29 00-0652)*

23 05 29 00-0662	EA	3/8" Diameter, Threaded Rod Coupling Nut	9.50	
		For Work In Restricted Working Space, Add	*2.39*	
23 05 29 00-0663	EA	1/2" Diameter, Threaded Rod Coupling Nut	10.77	
		For Work In Restricted Working Space, Add	*2.65*	
23 05 29 00-0664	EA	5/8" Diameter, Threaded Rod Coupling Nut	13.38	
		For Work In Restricted Working Space, Add	*2.99*	
23 05 29 00-0665	EA	3/4" Diameter, Threaded Rod Coupling Nut	16.21	
		For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-0666	EA	7/8" Diameter, Threaded Rod Coupling Nut	23.44	
		For Work In Restricted Working Space, Add	*3.59*	
23 05 29 00-0667	EA	1" Diameter, Threaded Rod Coupling Nut	27.79	
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0668	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	52.30	
		For Work In Restricted Working Space, Add	*4.78*	

23 05 29 00-0669 Flat Washers *(23 05 29 00-0652)*

Note: Zinc plated.

23 05 29 00-0670	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.67	0.26
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.16*	
23 05 29 00-0671	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.90	0.26
		For Galvanized, Add	*0.07*	
		For Work In Restricted Working Space, Add	*0.18*	
23 05 29 00-0672	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.28	0.39
		For Galvanized, Add	*0.14*	
		For Work In Restricted Working Space, Add	*0.22*	
23 05 29 00-0673	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.74	0.39
		For Galvanized, Add	*0.20*	
		For Work In Restricted Working Space, Add	*0.28*	
23 05 29 00-0674	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.04	0.52
		For Galvanized, Add	*0.24*	
		For Work In Restricted Working Space, Add	*0.32*	
23 05 29 00-0675	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.38	0.52
		For Galvanized, Add	*0.30*	
		For Work In Restricted Working Space, Add	*0.36*	
23 05 29 00-0676	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.68	0.64
		For Galvanized, Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.41*	

23 05 29 00-0677 Hex Nuts *(23 05 29 00-0652)*

Note: Grade 2 and zinc plated.

23 05 29 00-0678	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.32
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.22*	
23 05 29 00-0679	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.07	0.32
		For Galvanized, Add	*0.06*	
		For Work In Restricted Working Space, Add	*0.25*	
23 05 29 00-0680	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.42	0.32
		For Galvanized, Add	*0.14*	
		For Work In Restricted Working Space, Add	*0.26*	
23 05 29 00-0681	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.67	0.64
		For Galvanized, Add	*0.19*	
		For Work In Restricted Working Space, Add	*0.27*	
23 05 29 00-0682	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.38	0.64
		For Galvanized, Add	*0.36*	
		For Work In Restricted Working Space, Add	*0.29*	
23 05 29 00-0683	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.01	0.64
		For Galvanized, Add	*0.48*	
		For Work In Restricted Working Space, Add	*0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0684	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.85	0.64
		For Galvanized, Add	*0.91*	
		For Work In Restricted Working Space, Add	*0.36*	

23 05 29 00-0685 Turnbuckle (Cooper B-Line B3202) *(23 05 29 00-0652)*

Note: Type 13.

23 05 29 00-0686	EA	3/8" Turnbuckle (Cooper B-Line B3202)	27.42	6.49
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0687	EA	1/2" Turnbuckle (Cooper B-Line B3202)	32.38	7.13
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0688	EA	5/8" Turnbuckle (Cooper B-Line B3202)	35.00	7.79
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0689	EA	3/4" Turnbuckle (Cooper B-Line B3202)	43.69	9.08
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0690	EA	7/8" Turnbuckle (Cooper B-Line B3202)	56.11	9.73
		For Work In Restricted Working Space, Add	*6.49*	
23 05 29 00-0691	EA	1" Turnbuckle (Cooper B-Line B3202)	69.48	10.38
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0692	EA	1-1/8" Turnbuckle (Cooper B-Line B3202)	95.70	11.68
		For Work In Restricted Working Space, Add	*9.73*	

23 05 29 00-0693 Swivel Turnbuckle (Cooper B-Line B3224) *(23 05 29 00-0652)*

Note: Type 15.

23 05 29 00-0694	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224)	18.29	6.49
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0695	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224)	21.05	7.26
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0696	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224)	27.35	8.04
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0697	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224)	32.86	9.21
		For Work In Restricted Working Space, Add	*5.56*	

23 05 29 00-0698 Forged Steel Clevis (Cooper B-Line B3201) *(23 05 29 00-0652)*

Note: Type 14.

23 05 29 00-0699	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)	87.66	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0700	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)	127.36	12.54
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0701	EA	5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)	137.63	13.14
		For Work In Restricted Working Space, Add	*7.96*	
23 05 29 00-0702	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)	143.41	14.33
		For Work In Restricted Working Space, Add	*8.43*	
23 05 29 00-0703	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)	151.38	16.13
		For Work In Restricted Working Space, Add	*9.56*	
23 05 29 00-0704	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)	250.08	20.91
		For Work In Restricted Working Space, Add	*12.54*	
23 05 29 00-0705	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)	271.88	23.89
		For Work In Restricted Working Space, Add	*14.33*	
23 05 29 00-0706	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)	321.18	29.87
		For Work In Restricted Working Space, Add	*17.92*	

23 05 29 00-0707 Welded Eye Rod (Cooper B-Line B3211) *(23 05 29 00-0652)*

23 05 29 00-0708	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	27.49	7.00
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0709	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	28.34	7.13
		For Work In Restricted Working Space, Add	*4.30*	
23 05 29 00-0710	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	29.18	7.26
		For Work In Restricted Working Space, Add	*4.38*	
23 05 29 00-0711	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	29.46	7.40
		For Work In Restricted Working Space, Add	*4.46*	
23 05 29 00-0712	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	31.16	7.66
		For Work In Restricted Working Space, Add	*4.62*	
23 05 29 00-0713	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	33.16	8.17
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0714	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	34.54	8.56
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0715	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	37.11	8.95
		For Work In Restricted Working Space, Add	*5.35*	
23 05 29 00-0716	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	39.07	9.34
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0717	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	41.06	9.73
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0718	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	35.98	7.79
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0719	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	36.84	7.91
		For Work In Restricted Working Space, Add	*4.75*	
23 05 29 00-0720	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	37.73	8.04
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-0721	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	38.60	8.17
		For Work In Restricted Working Space, Add	*4.93*	
23 05 29 00-0722	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	40.34	8.43
		For Work In Restricted Working Space, Add	*5.10*	
23 05 29 00-0723	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	43.54	8.96
		For Work In Restricted Working Space, Add	*5.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0724	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	46.15	9.34
		For Work In Restricted Working Space, Add	*5.62*	
23 05 29 00-0725	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	49.36	9.73
		For Work In Restricted Working Space, Add	*5.88*	
23 05 29 00-0726	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	51.95	10.26
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0727	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	54.58	10.64
		For Work In Restricted Working Space, Add	*6.39*	
23 05 29 00-0728	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	47.76	8.70
		For Work In Restricted Working Space, Add	*5.22*	
23 05 29 00-0729	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	49.21	8.83
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0730	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	50.70	8.96
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0731	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	51.58	9.21
		For Work In Restricted Working Space, Add	*5.49*	
23 05 29 00-0732	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	53.92	9.47
		For Work In Restricted Working Space, Add	*5.67*	
23 05 29 00-0733	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	57.74	9.86
		For Work In Restricted Working Space, Add	*5.94*	
23 05 29 00-0734	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	61.53	10.38
		For Work In Restricted Working Space, Add	*6.21*	
23 05 29 00-0735	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	64.77	10.77
		For Work In Restricted Working Space, Add	*6.48*	
23 05 29 00-0736	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	68.59	11.29
		For Work In Restricted Working Space, Add	*6.75*	
23 05 29 00-0737	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	72.39	11.68
		For Work In Restricted Working Space, Add	*7.01*	
23 05 29 00-0738	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	58.29	9.86
		For Work In Restricted Working Space, Add	*5.94*	
23 05 29 00-0739	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	60.36	9.99
		For Work In Restricted Working Space, Add	*6.03*	
23 05 29 00-0740	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	61.83	10.26
		For Work In Restricted Working Space, Add	*6.12*	
23 05 29 00-0741	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	63.89	10.38
		For Work In Restricted Working Space, Add	*6.21*	
23 05 29 00-0742	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	67.42	10.64
		For Work In Restricted Working Space, Add	*6.40*	
23 05 29 00-0743	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	72.41	11.16
		For Work In Restricted Working Space, Add	*6.67*	
23 05 29 00-0744	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	77.41	11.54
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0745	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	83.02	12.07
		For Work In Restricted Working Space, Add	*7.23*	
23 05 29 00-0746	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	88.58	12.46
		For Work In Restricted Working Space, Add	*7.50*	
23 05 29 00-0747	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	93.60	12.97
		For Work In Restricted Working Space, Add	*7.78*	
23 05 29 00-0748	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	69.63	11.42
		For Work In Restricted Working Space, Add	*6.89*	
23 05 29 00-0749	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	72.28	11.68
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0750	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	74.35	11.81
		For Work In Restricted Working Space, Add	*7.08*	
23 05 29 00-0751	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	76.41	11.94
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0752	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	80.57	12.33
		For Work In Restricted Working Space, Add	*7.37*	
23 05 29 00-0753	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	87.35	12.71
		For Work In Restricted Working Space, Add	*7.65*	
23 05 29 00-0754	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	93.56	13.24
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0755	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	100.36	13.76
		For Work In Restricted Working Space, Add	*8.23*	
23 05 29 00-0756	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	106.56	14.14
		For Work In Restricted Working Space, Add	*8.52*	
23 05 29 00-0757	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	112.77	14.66
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0758	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	86.91	13.76
		For Work In Restricted Working Space, Add	*8.22*	
23 05 29 00-0759	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	89.60	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0760	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	92.30	14.01
		For Work In Restricted Working Space, Add	*8.44*	
23 05 29 00-0761	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	94.99	14.27
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-0762	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	100.36	14.66
		For Work In Restricted Working Space, Add	*8.76*	
23 05 29 00-0763	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	108.45	15.18
		For Work In Restricted Working Space, Add	*9.08*	
23 05 29 00-0764	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	116.55	15.70
		For Work In Restricted Working Space, Add	*9.41*	
23 05 29 00-0765	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	125.18	16.22
		For Work In Restricted Working Space, Add	*9.73*	
23 05 29 00-0766	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	133.27	16.74
		For Work In Restricted Working Space, Add	*10.06*	
23 05 29 00-0767	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	141.36	17.26
		For Work In Restricted Working Space, Add	*10.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0768		Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0652)*		
23 05 29 00-0769	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	55.17	9.47
		For Work In Restricted Working Space, Add	*5.71*	
23 05 29 00-0770	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	56.66	9.73
		For Work In Restricted Working Space, Add	*5.87*	
23 05 29 00-0771	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	58.16	10.12
		For Work In Restricted Working Space, Add	*6.03*	
23 05 29 00-0772	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	58.99	10.50
		For Work In Restricted Working Space, Add	*6.28*	
23 05 29 00-0773	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	61.71	10.90
		For Work In Restricted Working Space, Add	*6.52*	
23 05 29 00-0774	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	65.31	11.67
		For Work In Restricted Working Space, Add	*7.01*	
23 05 29 00-0775	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	67.88	12.46
		For Work In Restricted Working Space, Add	*7.49*	
23 05 29 00-0776	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	72.44	13.36
		For Work In Restricted Working Space, Add	*7.98*	
23 05 29 00-0777	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	70.51	10.51
		For Work In Restricted Working Space, Add	*6.31*	
23 05 29 00-0778	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	72.04	10.77
		For Work In Restricted Working Space, Add	*6.48*	
23 05 29 00-0779	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	73.61	11.03
		For Work In Restricted Working Space, Add	*6.65*	
23 05 29 00-0780	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	75.46	11.54
		For Work In Restricted Working Space, Add	*6.92*	
23 05 29 00-0781	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	78.23	11.94
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0782	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	83.86	12.84
		For Work In Restricted Working Space, Add	*7.69*	
23 05 29 00-0783	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	88.52	13.63
		For Work In Restricted Working Space, Add	*8.21*	
23 05 29 00-0784	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	94.13	14.53
		For Work In Restricted Working Space, Add	*8.72*	
23 05 29 00-0785	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	93.32	11.68
		For Work In Restricted Working Space, Add	*7.04*	
23 05 29 00-0786	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	95.85	12.07
		For Work In Restricted Working Space, Add	*7.22*	
23 05 29 00-0787	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	98.41	12.33
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0788	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	100.29	12.84
		For Work In Restricted Working Space, Add	*7.67*	
23 05 29 00-0789	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	104.09	13.24
		For Work In Restricted Working Space, Add	*7.94*	
23 05 29 00-0790	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	110.75	14.14
		For Work In Restricted Working Space, Add	*8.48*	
23 05 29 00-0791	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	117.39	15.06
		For Work In Restricted Working Space, Add	*9.01*	
23 05 29 00-0792	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	123.08	15.96
		For Work In Restricted Working Space, Add	*9.55*	
23 05 29 00-0793	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	117.31	13.24
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0794	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	120.89	13.63
		For Work In Restricted Working Space, Add	*8.16*	
23 05 29 00-0795	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	123.43	13.89
		For Work In Restricted Working Space, Add	*8.34*	
23 05 29 00-0796	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	127.26	14.40
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0797	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	133.04	14.80
		For Work In Restricted Working Space, Add	*8.90*	
23 05 29 00-0798	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	141.67	15.70
		For Work In Restricted Working Space, Add	*9.45*	
23 05 29 00-0799	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	150.33	16.61
		For Work In Restricted Working Space, Add	*10.00*	
23 05 29 00-0800	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	159.96	17.64
		For Work In Restricted Working Space, Add	*10.55*	
23 05 29 00-0801	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	140.66	15.31
		For Work In Restricted Working Space, Add	*9.22*	
23 05 29 00-0802	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	145.19	15.70
		For Work In Restricted Working Space, Add	*9.41*	
23 05 29 00-0803	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	148.76	15.96
		For Work In Restricted Working Space, Add	*9.61*	
23 05 29 00-0804	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	152.62	16.48
		For Work In Restricted Working Space, Add	*9.89*	
23 05 29 00-0805	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	159.44	17.00
		For Work In Restricted Working Space, Add	*10.18*	
23 05 29 00-0806	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	171.07	17.91
		For Work In Restricted Working Space, Add	*10.76*	
23 05 29 00-0807	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	181.73	18.94
		For Work In Restricted Working Space, Add	*11.33*	
23 05 29 00-0808	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	193.38	19.86
		For Work In Restricted Working Space, Add	*11.91*	
23 05 29 00-0809	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	178.61	18.30
		For Work In Restricted Working Space, Add	*10.99*	
23 05 29 00-0810	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	183.22	18.69
		For Work In Restricted Working Space, Add	*11.20*	
23 05 29 00-0811	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	187.84	19.07
		For Work In Restricted Working Space, Add	*11.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0812	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	192.82	19.60
		For Work In Restricted Working Space, Add	*11.75*	
23 05 29 00-0813	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	201.64	20.11
		For Work In Restricted Working Space, Add	*12.07*	
23 05 29 00-0814	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	215.49	21.16
		For Work In Restricted Working Space, Add	*12.72*	
23 05 29 00-0815	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	229.35	22.32
		For Work In Restricted Working Space, Add	*13.37*	
23 05 29 00-0816	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	244.08	23.36
		For Work In Restricted Working Space, Add	*14.01*	

23 05 29 00-0817 Attachments *(23 05 29 00-0651)*

23 05 29 00-0818 Welded Beam Attachments (B-Line B-3083) *(23 05 29 00-0817)*

Note: Type 22.

23 05 29 00-0819	EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	59.40	12.10
		For Work In Restricted Working Space, Add	*7.26*	
23 05 29 00-0820	EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	63.44	12.71
		For Work In Restricted Working Space, Add	*7.64*	
23 05 29 00-0821	EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	67.59	13.43
		For Work In Restricted Working Space, Add	*8.07*	
23 05 29 00-0822	EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	87.42	14.28
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-0823	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	105.69	15.13
		For Work In Restricted Working Space, Add	*9.08*	
23 05 29 00-0824	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	149.72	17.31
		For Work In Restricted Working Space, Add	*10.37*	
23 05 29 00-0825	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	214.60	18.16
		For Work In Restricted Working Space, Add	*10.90*	

23 05 29 00-0826 C-Clamp Style Beam Clamps (B-Line B-3034) *(23 05 29 00-0817)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0827	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	20.53	6.62
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0828	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	24.75	8.43
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0829	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	28.23	9.08
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0830	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	36.77	9.73
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0831	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	54.29	10.38
		For Work In Restricted Working Space, Add	*6.49*	

23 05 29 00-0832 Bottom Mount I-Beam Clamps (B-Line B-3055) *(23 05 29 00-0817)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

23 05 29 00-0833	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	59.41	9.08
		For Work In Restricted Working Space, Add	*6.49*	
23 05 29 00-0834	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	88.35	11.68
		For Work In Restricted Working Space, Add	*7.08*	
23 05 29 00-0835	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	127.22	12.97
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0836	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	152.54	14.27
		For Work In Restricted Working Space, Add	*8.65*	
23 05 29 00-0837	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	374.01	15.57
		For Work In Restricted Working Space, Add	*9.73*	

23 05 29 00-0838 Steel U-Bolts (B-Line B-3188) *(23 05 29 00-0817)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0839	EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	16.75	3.24
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0840	EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	18.23	3.89
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0841	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188)	19.67	3.89
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0842	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	22.49	3.89
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0843	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	23.18	4.54
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0844	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188)	24.81	4.54
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0845	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	36.53	4.54
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0846	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188)	40.32	5.19
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0847	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188)	49.03	5.84
		For Work In Restricted Working Space, Add	*6.49*	

23 05 29 00-0848 Copper Standoff Brackets With Flange *(23 05 29 00-0817)*

Note: Installed in wood, concrete, concrete block or steel.

23 05 29 00-0849	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange	38.73	18.56
		For Work In Restricted Working Space, Add	*11.12*	
23 05 29 00-0850	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange	38.83	18.56
		For Work In Restricted Working Space, Add	*11.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0851	EA	Clamp Size 1", Copper Standoff Brackets With Flange	38.94	18.56
		For Work In Restricted Working Space, Add	*11.12*	
23 05 29 00-0852	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange	41.38	19.73
		For Work In Restricted Working Space, Add	*11.80*	
23 05 29 00-0853	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange	41.58	19.73
		For Work In Restricted Working Space, Add	*11.80*	

23 05 29 00-0854 Malleable Iron Eye Sockets (B-Line B-3222) *(23 05 29 00-0817)*

Note: Type 16.

23 05 29 00-0855	EA	3/8" Rod Size, Malleable Iron Eye Socket	13.46	1.94
		For Work In Restricted Working Space, Add	*1.18*	
23 05 29 00-0856	EA	1/2" Rod Size, Malleable Iron Eye Socket	17.14	2.60
		For Work In Restricted Working Space, Add	*1.56*	
23 05 29 00-0857	EA	5/8" Rod Size, Malleable Iron Eye Socket	29.78	2.60
		For Work In Restricted Working Space, Add	*1.57*	
23 05 29 00-0858	EA	3/4" Rod Size, Malleable Iron Eye Socket	42.18	2.60
		For Work In Restricted Working Space, Add	*1.56*	
23 05 29 00-0859	EA	7/8" Rod Size, Malleable Iron Eye Socket	45.47	3.24
		For Work In Restricted Working Space, Add	*1.95*	

23 05 29 00-0860 Steel Weldless Eye Nuts (B-Line B-3200) *(23 05 29 00-0817)*

Note: Type 17.

23 05 29 00-0861	EA	3/8" Rod Size, Steel Weldless Eye Nut	44.63	1.94
		For Work In Restricted Working Space, Add	*1.18*	
23 05 29 00-0862	EA	1/2" Rod Size, Steel Weldless Eye Nut	45.88	2.60
		For Work In Restricted Working Space, Add	*1.56*	
23 05 29 00-0863	EA	5/8" Rod Size, Steel Weldless Eye Nut	45.93	2.60
		For Work In Restricted Working Space, Add	*1.57*	
23 05 29 00-0864	EA	3/4" Rod Size, Steel Weldless Eye Nut	45.88	2.60
		For Work In Restricted Working Space, Add	*1.56*	
23 05 29 00-0865	EA	7/8" Rod Size, Steel Weldless Eye Nut	89.82	2.86
		For Work In Restricted Working Space, Add	*1.75*	
23 05 29 00-0866	EA	1" Rod Size, Steel Weldless Eye Nut	90.47	3.24
		For Work In Restricted Working Space, Add	*1.95*	

23 05 29 00-0867 Top Mount I-Beam Clamps (B-Line B-3042) *(23 05 29 00-0817)*

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0868	EA	3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	29.38	6.05
		For Work In Restricted Working Space, Add	*3.63*	
23 05 29 00-0869	EA	1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	35.46	6.66
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0870	EA	5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	43.10	7.26
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0871	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	59.67	7.87
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0872	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	92.12	9.08
		For Work In Restricted Working Space, Add	*5.45*	
23 05 29 00-0873	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	30.98	6.05
		For Work In Restricted Working Space, Add	*3.63*	
23 05 29 00-0874	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	37.73	6.66
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0875	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	43.10	7.26
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0876	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	65.64	7.87
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0877	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	102.30	9.08
		For Work In Restricted Working Space, Add	*5.45*	
23 05 29 00-0878	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	34.71	6.05
		For Work In Restricted Working Space, Add	*3.63*	
23 05 29 00-0879	EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	41.92	6.66
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0880	EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	52.93	7.26
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0881	EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	76.79	7.87
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0882	EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	124.11	9.08
		For Work In Restricted Working Space, Add	*5.45*	

23 05 29 00-0883 Side Beam Brackets (B-Line B-3062) *(23 05 29 00-0817)*

Note: Type 34.

23 05 29 00-0884	EA	3/8" Rod Size, Side Beam Bracket	23.18	8.43
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0885	EA	1/2" Rod Size, Side Beam Bracket	27.62	8.43
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0886	EA	5/8" Rod Size, Side Beam Bracket	36.15	9.08
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0887	EA	3/4" Rod Size, Side Beam Bracket	65.51	9.73
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0888	EA	7/8" Rod Size, Side Beam Bracket	76.87	11.03
		For Work In Restricted Working Space, Add	*6.49*	

23 05 29 00-0889 Hex Lag Bolts *(23 05 29 00-0817)*

Note: Also known as coach screws.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0890	EA	3/8" x 3-1/2" Long, Hex Lag Bolt	3.46	
		For Work In Restricted Working Space, Add	*0.81*	
23 05 29 00-0891	EA	3/8" x 4" Long, Hex Lag Bolt	3.52	
		For Work In Restricted Working Space, Add	*0.84*	
23 05 29 00-0892	EA	3/8" x 6" Long, Hex Lag Bolt	3.94	
		For Work In Restricted Working Space, Add	*0.87*	
23 05 29 00-0893	EA	3/8" x 8" Long, Hex Lag Bolt	4.69	
		For Work In Restricted Working Space, Add	*0.90*	
23 05 29 00-0894	EA	3/8" x 10" Long, Hex Lag Bolt	5.00	
		For Work In Restricted Working Space, Add	*0.94*	
23 05 29 00-0895	EA	3/8" x 12" Long, Hex Lag Bolt	6.24	
		For Work In Restricted Working Space, Add	*0.97*	
23 05 29 00-0896	EA	1/2" x 3-1/2" Long, Hex Lag Bolt	4.68	
		For Work In Restricted Working Space, Add	*0.97*	
23 05 29 00-0897	EA	1/2" x 4" Long, Hex Lag Bolt	4.76	
		For Work In Restricted Working Space, Add	*1.01*	
23 05 29 00-0898	EA	1/2" x 6" Long, Hex Lag Bolt	5.50	
		For Work In Restricted Working Space, Add	*1.06*	
23 05 29 00-0899	EA	1/2" x 8" Long, Hex Lag Bolt	6.35	
		For Work In Restricted Working Space, Add	*1.10*	
23 05 29 00-0900	EA	1/2" x 10" Long, Hex Lag Bolt	7.44	
		For Work In Restricted Working Space, Add	*1.16*	
23 05 29 00-0901	EA	1/2" x 12" Long, Hex Lag Bolt	7.97	
		For Work In Restricted Working Space, Add	*1.22*	
23 05 29 00-0902	EA	5/8" x 4" Long, Hex Lag Bolt	6.39	
		For Work In Restricted Working Space, Add	*1.08*	
23 05 29 00-0903	EA	3/4" x 5" Long, Hex Lag Bolt	7.44	
		For Work In Restricted Working Space, Add	*1.10*	

23 05 29 00-0904 Fiberglass Beam Clamp *(23 05 29 00-0817)*

23 05 29 00-0905	EA	Fiberglass Beam Clamp Assembly 3/8" (B-Line BFV751J)	244.20	12.97
23 05 29 00-0906	EA	Fiberglass Beam Clamp Assembly 1/2" (B-Line BFV751J)	248.31	12.97
23 05 29 00-0907	EA	Fiberglass Beam Clamp Assembly 5/8" (B-Line BFV751J)	266.02	12.97

23 05 29 00-0908 Stainless Steel Threaded Rod And Rod Accessories *(23 05 29 00-0651)*

23 05 29 00-0909 304 Stainless Steel Threaded Rod *(23 05 29 00-0908)*

23 05 29 00-0910	LF	1/4" Diameter, 304 Stainless Steel Threaded Rod	3.56	0.64
		For Work In Restricted Working Space, Add	*0.39*	
23 05 29 00-0911	LF	5/16" Diameter, 304 Stainless Steel Threaded Rod	5.27	0.64
		For Work In Restricted Working Space, Add	*0.42*	
23 05 29 00-0912	LF	3/8" Diameter, 304 Stainless Steel Threaded Rod	6.63	0.77
		For Work In Restricted Working Space, Add	*0.44*	
23 05 29 00-0913	LF	7/16" Diameter, 304 Stainless Steel Threaded Rod	9.20	0.77
		For Work In Restricted Working Space, Add	*0.46*	
23 05 29 00-0914	LF	1/2" Diameter, 304 Stainless Steel Threaded Rod	11.06	0.77
		For Work In Restricted Working Space, Add	*0.49*	
23 05 29 00-0915	LF	5/8" Diameter, 304 Stainless Steel Threaded Rod	16.58	0.91
		For Work In Restricted Working Space, Add	*0.51*	
23 05 29 00-0916	LF	3/4" Diameter, 304 Stainless Steel Threaded Rod	23.20	0.91
		For Work In Restricted Working Space, Add	*0.54*	
23 05 29 00-0917	LF	7/8" Diameter, 304 Stainless Steel Threaded Rod	31.90	0.91
		For Work In Restricted Working Space, Add	*0.57*	
23 05 29 00-0918	LF	1" Diameter, 304 Stainless Steel Threaded Rod	40.88	1.04
		For Work In Restricted Working Space, Add	*0.65*	
23 05 29 00-0919	LF	1-1/4" Diameter, 304 Stainless Steel Threaded Rod	86.31	1.30
		For Work In Restricted Working Space, Add	*0.81*	

23 05 29 00-0920 304 Stainless Steel Flat Washers *(23 05 29 00-0908)*

23 05 29 00-0921	EA	3/8", 304 Stainless Steel Flat Washer	0.81	0.26
		For Work In Restricted Working Space, Add	*0.16*	
23 05 29 00-0922	EA	1/2", 304 Stainless Steel Flat Washer	1.51	0.26
		For Work In Restricted Working Space, Add	*0.18*	

23 05 29 00-0923 304 Stainless Steel Hex Nuts *(23 05 29 00-0908)*

23 05 29 00-0924	EA	3/8-16, 304 Stainless Steel Hex Nut	2.85	1.30
		For Work In Restricted Working Space, Add	*0.75*	
23 05 29 00-0925	EA	1/2-13, 304 Stainless Steel Hex Nut	3.62	1.30
		For Work In Restricted Working Space, Add	*0.81*	

23 05 29 00-0926 316 Stainless Steel U-Bolts *(23 05 29 00-0908)*

Note: Type 24. Includes nuts.

23 05 29 00-0927	EA	1/2" Pipe Size, 316 Stainless Steel U-Bolt	26.56	6.49
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0928	EA	3/4" Pipe Size, 316 Stainless Steel U-Bolt	27.47	6.87
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0929	EA	1" Pipe Size, 316 Stainless Steel U-Bolt	28.64	7.26
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0930	EA	1-1/4" Pipe Size, 316 Stainless Steel U-Bolt	29.92	7.66
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0931	EA	1-1/2" Pipe Size, 316 Stainless Steel U-Bolt	31.32	8.04
		For Work In Restricted Working Space, Add	*4.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0932	EA	2" Pipe Size, 316 Stainless Steel U-Bolt	38.23	8.69
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0933	EA	2-1/2" Pipe Size, 316 Stainless Steel U-Bolt	40.92	9.21
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0934	EA	3" Pipe Size, 316 Stainless Steel U-Bolt	43.91	9.99
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0935	EA	3-1/2" Pipe Size, 316 Stainless Steel U-Bolt	46.07	10.37
		For Work In Restricted Working Space, Add	*6.23*	
23 05 29 00-0936	EA	4" Pipe Size, 316 Stainless Steel U-Bolt	48.57	10.77
		For Work In Restricted Working Space, Add	*6.49*	
23 05 29 00-0937	EA	5" Pipe Size, 316 Stainless Steel U-Bolt	81.61	11.16
		For Work In Restricted Working Space, Add	*6.67*	
23 05 29 00-0938	EA	6" Pipe Size, 316 Stainless Steel U-Bolt	132.85	11.29
		For Work In Restricted Working Space, Add	*6.80*	
23 05 29 00-0939	EA	8" Pipe Size, 316 Stainless Steel U-Bolt	196.42	11.54
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0940	EA	10" Pipe Size, 316 Stainless Steel U-Bolt	278.34	11.93
		For Work In Restricted Working Space, Add	*7.16*	
23 05 29 00-0941	EA	12" Pipe Size, 316 Stainless Steel U-Bolt	428.19	12.33
		For Work In Restricted Working Space, Add	*7.37*	

23 05 29 00-0942 Hanger Strap *(23 05 29 00-0651)*

23 05 29 00-0943	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	6.26	

23 05 29 00-0944 Shields And Saddles *(23 05 29)*

23 05 29 00-0945 Insulation Protection Shield *(23 05 29 00-0944)*

Note: Type 40.

23 05 29 00-0946 Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0945)*

23 05 29 00-0947	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.38	3.11
		For Work In Restricted Working Space, Add	*3.11*	
23 05 29 00-0948	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.62	3.15
		For Work In Restricted Working Space, Add	*3.15*	
23 05 29 00-0949	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.00	3.19
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0950	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.70	3.23
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0951	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	19.38	3.31
		For Work In Restricted Working Space, Add	*3.31*	
23 05 29 00-0952	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	23.13	3.38
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0953	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	26.52	3.46
		For Work In Restricted Working Space, Add	*3.46*	
23 05 29 00-0954	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	31.89	3.54
		For Work In Restricted Working Space, Add	*3.54*	
23 05 29 00-0955	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	40.18	3.58
		For Work In Restricted Working Space, Add	*3.58*	
23 05 29 00-0956	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	43.54	3.62
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0957	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	58.89	3.66
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0958	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	65.83	3.69
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0959	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	119.66	3.73
		For Work In Restricted Working Space, Add	*3.74*	
23 05 29 00-0960	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	129.87	3.81
		For Work In Restricted Working Space, Add	*3.81*	
23 05 29 00-0961	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	156.39	3.90
		For Work In Restricted Working Space, Add	*3.89*	

23 05 29 00-0962 Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0945)*

23 05 29 00-0963	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.73	3.11
		For Work In Restricted Working Space, Add	*3.11*	
23 05 29 00-0964	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.94	3.15
		For Work In Restricted Working Space, Add	*3.15*	
23 05 29 00-0965	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.25	3.19
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0966	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.80	3.23
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0967	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	17.08	3.31
		For Work In Restricted Working Space, Add	*3.31*	
23 05 29 00-0968	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	19.88	3.38
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0969	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	21.22	3.46
		For Work In Restricted Working Space, Add	*3.46*	
23 05 29 00-0970	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	26.37	3.54
		For Work In Restricted Working Space, Add	*3.54*	
23 05 29 00-0971	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	31.11	3.58
		For Work In Restricted Working Space, Add	*3.58*	

23 05 29 00-0972 Pipe Covering Protection Saddle *(23 05 29 00-0944)*

Note: Sizes are pipe sizes.

23 05 29 00-0973 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0972)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0974	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.76	4.28
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0975	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.88	4.33
		For Work In Restricted Working Space, Add	*4.32*	
23 05 29 00-0976	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.01	4.36
		For Work In Restricted Working Space, Add	*4.36*	
23 05 29 00-0977	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.14	4.43
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0978	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.26	4.47
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0979	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.07	4.54
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0980	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	29.79	4.61
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0981	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	33.09	4.68
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-0982	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	36.88	4.83
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0983	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	44.28	5.01
		For Work In Restricted Working Space, Add	*5.01*	
23 05 29 00-0984	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	49.10	5.08
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0985	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	57.61	5.08
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-0986	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	62.61	5.26
		For Work In Restricted Working Space, Add	*5.27*	

23 05 29 00-0987 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) *(23 05 29 00-0972)*

23 05 29 00-0988	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.56	4.28
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0989	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.68	4.33
		For Work In Restricted Working Space, Add	*4.32*	
23 05 29 00-0990	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.81	4.36
		For Work In Restricted Working Space, Add	*4.36*	
23 05 29 00-0991	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.74	4.43
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0992	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	30.80	4.47
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0993	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	32.98	4.54
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0994	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	33.53	4.61
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0995	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	37.70	4.61
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-0996	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	42.10	4.83
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0997	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	49.39	5.01
		For Work In Restricted Working Space, Add	*5.01*	
23 05 29 00-0998	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	55.15	5.08
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0999	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	65.07	5.19
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-1000	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	70.98	5.26
		For Work In Restricted Working Space, Add	*5.27*	

23 05 29 00-1001 Saddle, For 2" Insulation (Cooper B-Line B3162) *(23 05 29 00-0972)*

23 05 29 00-1002	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.43	4.50
		For Work In Restricted Working Space, Add	*4.50*	
23 05 29 00-1003	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.55	4.54
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-1004	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.98	4.58
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-1005	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.88	4.65
		For Work In Restricted Working Space, Add	*4.65*	
23 05 29 00-1006	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.66	4.68
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-1007	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.89	4.77
		For Work In Restricted Working Space, Add	*4.76*	
23 05 29 00-1008	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	34.64	4.85
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-1009	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	36.38	4.92
		For Work In Restricted Working Space, Add	*4.90*	
23 05 29 00-1010	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	45.61	5.07
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-1011	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	51.40	5.26
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-1012	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	53.83	5.34
		For Work In Restricted Working Space, Add	*5.34*	
23 05 29 00-1013	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	71.51	5.45
		For Work In Restricted Working Space, Add	*5.45*	
23 05 29 00-1014	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	78.85	5.53
		For Work In Restricted Working Space, Add	*5.52*	
23 05 29 00-1015	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	86.44	5.66
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-1016	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	94.04	5.81
		For Work In Restricted Working Space, Add	*5.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1017	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	102.85	5.96
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-1018	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	117.32	6.10
		For Work In Restricted Working Space, Add	*6.10*	

23 05 29 00-1019 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) *(23 05 29 00-0972)*

23 05 29 00-1020	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	32.75	4.68
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-1021	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	34.44	4.75
		For Work In Restricted Working Space, Add	*4.76*	
23 05 29 00-1022	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.30	4.80
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-1023	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	36.28	4.88
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-1024	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	36.65	4.97
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-1025	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	42.13	5.04
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-1026	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	47.88	5.19
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-1027	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	55.35	5.39
		For Work In Restricted Working Space, Add	*5.37*	
23 05 29 00-1028	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	59.16	5.47
		For Work In Restricted Working Space, Add	*5.48*	
23 05 29 00-1029	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	73.35	5.58
		For Work In Restricted Working Space, Add	*5.59*	
23 05 29 00-1030	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	86.50	5.66
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-1031	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	99.90	5.79
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-1032	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	105.99	5.95
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-1033	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	112.75	6.10
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-1034	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	119.53	6.24
		For Work In Restricted Working Space, Add	*6.25*	

23 05 29 00-1035 Saddle, For 3" Insulation (Cooper B-Line B3164) *(23 05 29 00-0972)*

23 05 29 00-1036	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	36.48	4.92
		For Work In Restricted Working Space, Add	*4.90*	
23 05 29 00-1037	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	39.63	5.00
		For Work In Restricted Working Space, Add	*5.01*	
23 05 29 00-1038	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	41.24	5.07
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-1039	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	42.88	5.15
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-1040	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	48.91	5.31
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-1041	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	60.73	5.51
		For Work In Restricted Working Space, Add	*5.52*	
23 05 29 00-1042	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	65.60	5.59
		For Work In Restricted Working Space, Add	*5.59*	
23 05 29 00-1043	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	84.53	5.71
		For Work In Restricted Working Space, Add	*5.70*	
23 05 29 00-1044	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	100.40	5.79
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-1045	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	116.27	5.93
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-1046	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	118.54	6.09
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-1047	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	120.70	6.23
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-1048	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	152.40	6.40
		For Work In Restricted Working Space, Add	*6.39*	

23 05 29 00-1049 Saddle, For 4" Insulation (Cooper B-Line B3165) *(23 05 29 00-0972)*

23 05 29 00-1050	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	40.88	5.02
		For Work In Restricted Working Space, Add	*5.01*	
23 05 29 00-1051	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	44.57	5.11
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-1052	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	46.47	5.19
		For Work In Restricted Working Space, Add	*5.19*	
23 05 29 00-1053	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	48.47	5.26
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-1054	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	58.65	5.44
		For Work In Restricted Working Space, Add	*5.45*	
23 05 29 00-1055	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	68.83	5.64
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-1056	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	71.12	5.72
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-1057	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	90.16	5.85
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-1058	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	108.87	5.92
		For Work In Restricted Working Space, Add	*5.92*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1059	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	127.82	6.08
		For Work In Restricted Working Space, Add	*6.07*	
23 05 29 00-1060	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	155.73	6.22
		For Work In Restricted Working Space, Add	*6.21*	
23 05 29 00-1061	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	183.52	6.38
		For Work In Restricted Working Space, Add	*6.39*	
23 05 29 00-1062	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	196.18	6.54
		For Work In Restricted Working Space, Add	*6.54*	
23 05 29 00-1063	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	206.38	6.70
		For Work In Restricted Working Space, Add	*6.72*	
23 05 29 00-1064	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	213.94	6.88
		For Work In Restricted Working Space, Add	*6.86*	

23 05 29 00-1065 Adjustable Pipe Saddle Support (Cooper B-Line B3096) *(23 05 29 00-0944)*

23 05 29 00-1066	EA	2" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	91.35	16.22
23 05 29 00-1067	EA	3" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	97.37	18.81
23 05 29 00-1068	EA	4" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	117.97	21.41
23 05 29 00-1069	EA	5" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	123.32	23.36
23 05 29 00-1070	EA	6" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	136.86	25.96
23 05 29 00-1071	EA	8" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	156.79	32.44
23 05 29 00-1072	EA	10" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	205.38	43.47
23 05 29 00-1073	EA	12" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	258.49	64.88

23 05 29 00-1074 Pipe Stanchion Support (Cooper B-Line B3090) *(23 05 29 00-0944)*

23 05 29 00-1075	EA	2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	111.48	16.22
23 05 29 00-1076	EA	3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	116.12	18.81
23 05 29 00-1077	EA	3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	124.52	20.11
23 05 29 00-1078	EA	4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	127.55	21.41
23 05 29 00-1079	EA	5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	134.35	23.36
23 05 29 00-1080	EA	6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	142.93	25.96
23 05 29 00-1081	EA	8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	181.29	32.44
23 05 29 00-1082	EA	10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	244.36	43.47
23 05 29 00-1083	EA	12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	323.02	64.88

23 05 29 00-1084 Pipe Saddle Support (Cooper B-Line B3095) *(23 05 29 00-0944)*

23 05 29 00-1085	EA	2-1/2" Pipe Saddle Support (Cooper B-Line B3095)	60.45	16.22
23 05 29 00-1086	EA	3" Pipe Saddle Support (Cooper B-Line B3095)	65.09	18.81
23 05 29 00-1087	EA	3-1/2" Pipe Saddle Support (Cooper B-Line B3095)	94.94	20.11
23 05 29 00-1088	EA	4" Pipe Saddle Support (Cooper B-Line B3095)	97.97	21.41
23 05 29 00-1089	EA	5" Pipe Saddle Support (Cooper B-Line B3095)	107.52	23.36
23 05 29 00-1090	EA	6" Pipe Saddle Support (Cooper B-Line B3095)	119.23	25.96
23 05 29 00-1091	EA	8" Pipe Saddle Support (Cooper B-Line B3095)	137.84	32.44
23 05 29 00-1092	EA	10" Pipe Saddle Support (Cooper B-Line B3095)	163.02	43.47
23 05 29 00-1093	EA	12" Pipe Saddle Support (Cooper B-Line B3095)	210.12	64.88

23 05 29 00-1094 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0944)*

Note: Insert is for use as isolated protective insulation at hangers.

23 05 29 00-1095 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1094)*

23 05 29 00-1096	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.59	8.20
23 05 29 00-1097	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.94	8.20
23 05 29 00-1098	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.03	8.20
23 05 29 00-1099	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.38	8.20
23 05 29 00-1100	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.72	8.70
23 05 29 00-1101	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.64	8.96
23 05 29 00-1102	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.72	9.34
23 05 29 00-1103	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.91	9.71
23 05 29 00-1104	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.00	10.09
23 05 29 00-1105	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.69	8.70
23 05 29 00-1106	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.72	11.35
23 05 29 00-1107	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.50	13.37
23 05 29 00-1108	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.57	15.52
23 05 29 00-1109	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.84	16.02

23 05 29 00-1110 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1094)*

23 05 29 00-1111	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.00	6.18
23 05 29 00-1112	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.72	6.18
23 05 29 00-1113	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.12	6.31
23 05 29 00-1114	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.74	6.43
23 05 29 00-1115	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.33	6.43
23 05 29 00-1116	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.33	6.69
23 05 29 00-1117	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.51	6.94
23 05 29 00-1118	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.12	7.06
23 05 29 00-1119	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.35	7.70
23 05 29 00-1120	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.20	13.24
23 05 29 00-1121	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.86	9.96
23 05 29 00-1122	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.81	11.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1123	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	45.20	13.50
23 05 29 00-1124	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.35	16.27
23 05 29 00-1125		**2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1094)*		
23 05 29 00-1126	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.31	7.06
23 05 29 00-1127	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.59	7.06
23 05 29 00-1128	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.36	7.20
23 05 29 00-1129	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.04	7.32
23 05 29 00-1130	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.75	7.45
23 05 29 00-1131	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.70	7.70
23 05 29 00-1132	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.08	7.95
23 05 29 00-1133	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.37	8.20
23 05 29 00-1134	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.25	8.70
23 05 29 00-1135	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.74	9.84
23 05 29 00-1136	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.49	16.79
23 05 29 00-1137	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	60.67	19.43
23 05 29 00-1138	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.98	22.96
23 05 29 00-1139	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.48	25.74
23 05 29 00-1140	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.63	29.02
23 05 29 00-1141	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	100.39	34.06
23 05 29 00-1142	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.47	37.85
23 05 29 00-1143	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	125.94	42.90
23 05 29 00-1144		**2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1094)*		
23 05 29 00-1145	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.55	8.20
23 05 29 00-1146	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.86	8.20
23 05 29 00-1147	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.81	8.33
23 05 29 00-1148	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.51	8.45
23 05 29 00-1149	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.23	8.45
23 05 29 00-1150	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.39	8.84
23 05 29 00-1151	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.96	9.09
23 05 29 00-1152	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.43	9.46
23 05 29 00-1153	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.66	9.96
23 05 29 00-1154	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.86	11.35
23 05 29 00-1155	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.59	12.62
23 05 29 00-1156	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.80	14.51
23 05 29 00-1157	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.12	18.04
23 05 29 00-1158	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	82.41	19.80
23 05 29 00-1159	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	97.77	25.24
23 05 29 00-1160	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	104.87	26.50
23 05 29 00-1161	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	119.12	30.28
23 05 29 00-1162	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	140.49	36.59
23 05 29 00-1163		**3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1094)*		
23 05 29 00-1164	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	51.61	8.45
23 05 29 00-1165	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.37	8.84
23 05 29 00-1166	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.78	8.84
23 05 29 00-1167	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.33	9.09
23 05 29 00-1168	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	67.15	9.34
23 05 29 00-1169	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.18	9.46
23 05 29 00-1170	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	72.82	9.71
23 05 29 00-1171	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	76.02	10.34
23 05 29 00-1172	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	83.77	10.73
23 05 29 00-1173	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	95.84	13.12
23 05 29 00-1174	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	123.85	14.38
23 05 29 00-1175	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	147.29	15.15
23 05 29 00-1176	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	169.13	19.55
23 05 29 00-1177	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	190.39	20.82
23 05 29 00-1178	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	228.12	27.75
23 05 29 00-1179	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	245.55	30.28
23 05 29 00-1180	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	278.08	32.81
23 05 29 00-1181	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	326.71	40.37
23 05 29 00-1182		**3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1094)*		
23 05 29 00-1183	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.55	8.20
23 05 29 00-1184	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.85	9.96
23 05 29 00-1185	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.21	9.96
23 05 29 00-1186	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.00	10.09
23 05 29 00-1187	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.97	10.22
23 05 29 00-1188	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.21	10.60
23 05 29 00-1189	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.12	10.98
23 05 29 00-1190	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.77	11.35
23 05 29 00-1191	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.84	11.99
23 05 29 00-1192	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	49.01	13.63
23 05 29 00-1193	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.27	15.15
23 05 29 00-1194	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	76.56	17.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1195	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.73	21.71
23 05 29 00-1196	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	98.91	23.72
23 05 29 00-1197	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	117.33	30.28
23 05 29 00-1198	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	125.86	31.80
23 05 29 00-1199	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	143.00	36.34
23 05 29 00-1200	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	168.59	43.91

23 05 29 00-1201 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1094)*

23 05 29 00-1202	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.44	11.10
23 05 29 00-1203	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.87	11.10
23 05 29 00-1204	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.16	11.23
23 05 29 00-1205	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.20	11.35
23 05 29 00-1206	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.99	11.35
23 05 29 00-1207	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.08	12.12
23 05 29 00-1208	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.74	12.24
23 05 29 00-1209	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.77	12.74
23 05 29 00-1210	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.16	13.50
23 05 29 00-1211	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.12	15.27
23 05 29 00-1212	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	71.35	16.52
23 05 29 00-1213	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	86.15	19.68
23 05 29 00-1214	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	98.72	24.47
23 05 29 00-1215	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.30	26.63
23 05 29 00-1216	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	132.07	34.06
23 05 29 00-1217	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	141.53	35.70
23 05 29 00-1218	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	159.03	40.88
23 05 29 00-1219	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	189.70	49.46
23 05 29 00-1220	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	216.39	58.17
23 05 29 00-1221	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	246.29	68.64
23 05 29 00-1222	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	278.75	81.13
23 05 29 00-1223	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	398.94	125.29
23 05 29 00-1224	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	429.74	137.91
23 05 29 00-1225	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	457.93	148.88

23 05 29 00-1226 Equipment Housekeeping Pads *(23 05 29)*

See CSI section 03 31 13 00-0002 for Concrete Equipment Pads.

23 05 29 00-1227 Molded Plastic Condenser Pad *(23 05 29 00-1226)*

23 05 29 00-1228	EA	30" Round Molded Plastic Pad	155.26	16.22
23 05 29 00-1229	EA	30" Octagon Molded Plastic Pad	163.34	16.22
23 05 29 00-1230	EA	30" x 30" Molded Plastic Pad	155.26	16.22
23 05 29 00-1231	EA	36" x 36" Molded Plastic Pad	203.67	16.22
23 05 29 00-1232	EA	36" x 48" Molded Plastic Pad	294.24	16.22

23 05 29 00-1233 Inertia Base *(23 05 29 00-1226)*

Note: Includes spring isolators.

23 05 29 00-1234	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	2,413.38	
23 05 29 00-1235	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	2,916.38	
23 05 29 00-1236	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	3,340.51	
23 05 29 00-1237	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	3,817.23	

23 05 29 00-1238 Hanger Assemblies *(23 05 29)*

Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.

23 05 29 00-1239	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	56.44	20.17
		For Work In Restricted Working Space, Add	*12.98*	
23 05 29 00-1240	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	58.83	21.37
		For Work In Restricted Working Space, Add	*13.70*	
23 05 29 00-1241	EA	1" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	60.76	22.64
		For Work In Restricted Working Space, Add	*14.26*	
23 05 29 00-1242	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	61.74	22.68
		For Work In Restricted Working Space, Add	*14.47*	
23 05 29 00-1243	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	61.97	22.68
		For Work In Restricted Working Space, Add	*14.47*	
23 05 29 00-1244	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	63.13	22.85
		For Work In Restricted Working Space, Add	*14.68*	
23 05 29 00-1245	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	71.40	23.49
		For Work In Restricted Working Space, Add	*14.36*	
23 05 29 00-1246	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	73.31	24.18
		For Work In Restricted Working Space, Add	*14.59*	
23 05 29 00-1247	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	88.71	27.29
		For Work In Restricted Working Space, Add	*16.10*	
23 05 29 00-1248	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	131.70	35.27
		For Work In Restricted Working Space, Add	*21.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1249	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	150.57	40.91
		For Work In Restricted Working Space, Add	*24.54*	
23 05 29 00-1250	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	206.80	51.96
		For Work In Restricted Working Space, Add	*30.79*	
23 05 29 00-1251	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	225.07	55.92
		For Work In Restricted Working Space, Add	*33.61*	

23 05 29 00-1252 Steel Shapes For Hanger Devices *(23 05 29)*

23 05 29 00-1253 Angle Iron For Hanger Devices *(23 05 29 00-1252)*

23 05 29 00-1254	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	3.03	1.88
23 05 29 00-1255	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	3.95	2.36
23 05 29 00-1256	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	4.87	2.82
23 05 29 00-1257	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.72	3.51
23 05 29 00-1258	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.50	3.77
23 05 29 00-1259	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	10.05	4.23
23 05 29 00-1260	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	12.52	5.15
23 05 29 00-1261	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	16.21	6.04
23 05 29 00-1262	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	19.35	7.06

23 05 29 00-1263 Channels For Hanger Devices *(23 05 29 00-1252)*

23 05 29 00-1264	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	8.50	4.56
23 05 29 00-1265	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	14.41	6.55
23 05 29 00-1266	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	17.96	7.87
23 05 29 00-1267	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	21.49	9.17
23 05 29 00-1268	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	26.01	11.01
23 05 29 00-1269	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	31.02	13.11
23 05 29 00-1270	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	35.12	14.43

23 05 29 00-1271 Structural Bar Tees For Hanger Devices *(23 05 29 00-1252)*

23 05 29 00-1272	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	9.62	6.40
23 05 29 00-1273	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	11.58	7.58
23 05 29 00-1274	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	16.32	8.74
23 05 29 00-1275	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	21.04	11.65
23 05 29 00-1276	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	28.62	13.98
23 05 29 00-1277	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	35.94	18.05

23 05 29 00-1278 Structural Zees For Hanger Devices *(23 05 29 00-1252)*

23 05 29 00-1279	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	16.34	8.74
23 05 29 00-1280	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	19.45	8.74
23 05 29 00-1281	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	28.34	8.74
23 05 29 00-1282	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	35.66	8.74
23 05 29 00-1283	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	43.24	8.74

23 05 29 00-1284 Junior I-beams For Hanger Devices *(23 05 29 00-1252)*

23 05 29 00-1285	LF	3" I-beam (Junior) For Hanger Devices	20.53	12.82
23 05 29 00-1286	LF	4" I-beam (Junior) For Hanger Devices	23.53	13.98
23 05 29 00-1287	LF	5" I-beam (Junior) For Hanger Devices	27.07	15.14
23 05 29 00-1288	LF	6" I-beam (Junior) For Hanger Devices	29.59	16.89
23 05 29 00-1289	LF	7" I-beam (Junior) For Hanger Devices	34.95	18.05
23 05 29 00-1290	LF	8" I-beam (Junior) For Hanger Devices	37.83	19.22

23 05 33 Heat Tracing for HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001 Unhoused Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 13-0002	EA	60 Lb. Capacity, Unhoused Steel Spring Isolator	119.18	36.32
23 05 48 13-0003	EA	115 Lb. Capacity, Unhoused Steel Spring Isolator	126.72	36.32
23 05 48 13-0004	EA	1,130 Lb. Capacity, Unhoused Steel Spring Isolator	151.74	36.32

23 05 48 13-0005 Housed Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only.
Mason Industries, Inc.

23 05 48 13-0006	EA	To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	268.68	36.32
23 05 48 13-0007	EA	To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	298.93	36.32
23 05 48 13-0008	EA	To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	314.05	36.32
23 05 48 13-0009	EA	To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	374.55	36.32
23 05 48 13-0010	EA	To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	389.67	36.32
23 05 48 13-0011	EA	To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	295.15	36.32
23 05 48 13-0012	EA	To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	321.62	36.32

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0013	EA	To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	340.52	36.32
23 05 48 13-0014	EA	To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	427.48	36.32
23 05 48 13-0015	EA	To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	461.51	36.32
23 05 48 13-0016	EA	To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	540.91	36.32
23 05 48 13-0017		Vibration Isolators *(23 05 48 13)*		
23 05 48 13-0018		Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0017)*		
23 05 48 13-0019	EA	50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	157.43	23.36
23 05 48 13-0020	EA	600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	331.06	25.96
23 05 48 13-0021		Rubber-In-Shear Isolator Hanger *(23 05 48 13-0017)*		
23 05 48 13-0022	EA	45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	87.52	19.47
23 05 48 13-0023	EA	130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	113.43	23.36
23 05 48 13-0024		Spring Hanger For 1" Deflection *(23 05 48 13-0017)*		
23 05 48 13-0025	EA	50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	99.27	23.36
23 05 48 13-0026	EA	2" x 5/8" x 3-3/8" Isolation Spring Hanger (SHE Type), 25-350 Lb.	138.68	23.36
23 05 48 13-0027	EA	2" x 5/8" x 3-3/8" Isolation Spring Hanger (SHE Type), 350-600 Lb.	202.29	23.36
23 05 48 13-0028	EA	2" x 3/4" x 4-5/8" Isolation Spring Hanger (SHE Type), 45-900 Lb.	221.74	23.36
23 05 48 13-0029	EA	2" x 3/4" x 4-5/8" Isolation Spring Hanger (SHE Type), 900-1,500 Lb.	241.19	23.36
23 05 48 13-0030		Rubber-In-Shear Vibration Isolator *(23 05 48 13-0017)*		
23 05 48 13-0031	EA	45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection	182.67	44.13
23 05 48 13-0032	EA	130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection	249.42	44.13
23 05 48 13-0033	EA	550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection	478.51	44.13
23 05 48 13-0034		Two-Piece Spring Type Vibration Isolator *(23 05 48 13-0017)* Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0035	EA	50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	154.54	44.13
23 05 48 13-0036	EA	>1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	159.51	44.13
23 05 48 13-0037		Open Double Spring Type Vibration Isolator *(23 05 48 13-0017)* Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0038	EA	150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	120.23	22.06
23 05 48 13-0039	EA	500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	120.23	22.06
23 05 48 13-0040	EA	1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	136.81	22.06
23 05 48 13-0041	EA	1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	136.81	22.06
23 05 48 13-0042	EA	2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	211.81	22.06
23 05 48 13-0043		Isolation Pads *(23 05 48 13-0017)*		
23 05 48 13-0044		Laminated Neoprene And Cork Isolation Pad *(23 05 48 13-0043)*		
23 05 48 13-0045	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.82	3.24
23 05 48 13-0046	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.95	3.37
23 05 48 13-0047	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	12.42	3.50
23 05 48 13-0048	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	48.39	4.03
23 05 48 13-0049	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	92.37	4.54
23 05 48 13-0050		Neoprene And Steel Plate Isolation Pad *(23 05 48 13-0043)*		
23 05 48 13-0051	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	118.25	3.24
23 05 48 13-0052	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	130.60	3.24
23 05 48 13-0053		Neoprene Isolation Pad *(23 05 48 13-0043)*		
23 05 48 13-0054	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	7.31	3.24
23 05 48 13-0055	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	8.30	3.24
23 05 48 13-0056	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	9.90	3.24
23 05 48 13-0057	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	47.61	3.90
23 05 48 13-0058	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	86.82	4.54
23 05 48 13-0059		Ribbed Neoprene Isolation Pad *(23 05 48 13-0043)*		
23 05 48 13-0060	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	7.18	3.24
23 05 48 13-0061	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	8.05	3.37
23 05 48 13-0062	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	9.46	3.50
23 05 48 13-0063	EA	6" x 6", 3/8" Thick Ribbed Neoprene Isolation Pad	12.75	3.76
23 05 48 13-0064	EA	9" x 9", 3/8" Thick Ribbed Neoprene Isolation Pad	21.72	4.03
23 05 48 13-0065	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	39.63	4.54
23 05 48 13-0066		Cork And Ribbed Neoprene Isolation Pad *(23 05 48 13-0043)*		
23 05 48 13-0067	EA	2" x 2", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	7.48	3.24
23 05 48 13-0068	EA	3" x 3", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	9.45	3.37
23 05 48 13-0069	EA	4" x 4", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	11.66	3.50
23 05 48 13-0070	EA	6" x 6", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	16.06	3.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0071	EA	9" x 9", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	28.83	4.03
23 05 48 13-0072	EA	18" x 18", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	60.85	4.54
23 05 48 13-0073		**Cork, Ribbed Neoprene And Steel Isolation Pad** *(23 05 48 13-0043)*		
23 05 48 13-0074	EA	2" x 2", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	79.04	3.24
23 05 48 13-0075	EA	3" x 3", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	99.39	3.37
23 05 48 13-0076	EA	4" x 4", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	132.08	3.50
23 05 48 13-0077	EA	5" x 5", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	169.15	3.76
23 05 48 13-0078	EA	6" x 6", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	207.49	4.03
23 05 48 13-0079	EA	8" x 8", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	252.16	4.54
23 05 48 13-0080		**Rubber Cube Isolation Pad** *(23 05 48 13-0043)*		
23 05 48 13-0081	EA	2" x 2", 3/4" Thick Rubber Cube Isolation Pad	7.58	3.24
23 05 48 13-0082	EA	4" x 4", 3/4" Thick Rubber Cube Isolation Pad	11.76	3.50
23 05 48 13-0083	EA	18" x 18", 3/4" Thick Rubber Cube Isolation Pad	72.06	4.54
23 05 48 13-0084		**Vibration Isolators For Equipment** *(23 05 48 13)*		
23 05 48 13-0085		**Isolation Mounts For Equipment** *(23 05 48 13-0084)*		
23 05 48 13-0086		**Molded Neoprene Mounts** *(23 05 48 13-0085)*		
23 05 48 13-0087	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 25-45 Lb.	85.54	6.49
23 05 48 13-0088	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 45-110 Lb.	85.54	6.49
23 05 48 13-0089	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 110-210 Lb.	85.54	6.49
23 05 48 13-0090	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 210-340 Lb.	85.54	6.49
23 05 48 13-0091	EA	4-1/4" x 2-1/2" x 2-1/8" Molded Neoprene Mount, 230-380 Lb.	95.51	7.79
23 05 48 13-0092	EA	4-1/4" x 2-1/2" x 2-1/8" Molded Neoprene Mount, 380-700 Lb.	203.80	7.79
23 05 48 13-0093	EA	6" x 3-1/2" x 2-3/8" Molded Neoprene Mount, 550-930 Lb.	207.70	9.73
23 05 48 13-0094		**Cup Mounts** *(23 05 48 13-0085)*		
23 05 48 13-0095	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 8-14 Lb.	283.73	6.49
23 05 48 13-0096	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 14-24 Lb.	283.73	6.49
23 05 48 13-0097	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 24-38 Lb.	283.73	6.49
23 05 48 13-0098	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 38-60 Lb.	283.73	6.49
23 05 48 13-0099	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 15-30 Lb.	411.47	6.49
23 05 48 13-0100	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 30-50 Lb.	411.47	6.49
23 05 48 13-0101	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 50-80 Lb.	411.47	6.49
23 05 48 13-0102	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 80-110 Lb.	411.47	6.49
23 05 48 13-0103		**Free Standing Spring Mounts, 1" Deflection (OML Type)** *(23 05 48 13-0085)*		
23 05 48 13-0104	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 25-50 Lb.	189.10	16.22
23 05 48 13-0105	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 50-100 Lb.	189.10	16.22
23 05 48 13-0106	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 100-150 Lb.	189.10	16.22
23 05 48 13-0107	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 150-250 Lb.	189.10	16.22
23 05 48 13-0108	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 250-350 Lb.	189.10	16.22
23 05 48 13-0109	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 350-450 Lb.	206.45	16.22
23 05 48 13-0110	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 450-300 Lb.	206.45	16.22
23 05 48 13-0111		**Free Standing Spring Mounts, 1" Deflection (OM Type)** *(23 05 48 13-0085)*		
23 05 48 13-0112	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 75-150 Lb.	271.08	17.52
23 05 48 13-0113	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 150-250 Lb.	271.08	17.52
23 05 48 13-0114	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 250-350 Lb.	271.08	17.52
23 05 48 13-0115	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 350-500 Lb.	271.08	17.52
23 05 48 13-0116	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 500-600 Lb.	271.08	17.52
23 05 48 13-0117	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 600-750 Lb.	271.08	17.52
23 05 48 13-0118	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 750-900 Lb.	271.08	17.52
23 05 48 13-0119	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 900-1,100 Lb.	271.08	17.52
23 05 48 13-0120		**Free Standing Spring Mounts, 2" Deflection (OM Type)** *(23 05 48 13-0085)*		
23 05 48 13-0121	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 75-150 Lb.	724.14	21.41
23 05 48 13-0122	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 150-275 Lb.	724.14	21.41
23 05 48 13-0123	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 275-425 Lb.	724.14	21.41
23 05 48 13-0124	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 425-500 Lb.	724.14	21.41
23 05 48 13-0125	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 500-650 Lb.	724.14	21.41
23 05 48 13-0126	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 650-775 Lb.	724.14	21.41
23 05 48 13-0127	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 775-1,000 Lb.	724.14	21.41
23 05 48 13-0128	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 1,000-1,150 Lb.	724.14	21.41
23 05 48 13-0129		**Housed Fail Safe Spring Mounts, 1" Deflection (HMLE Type)** *(23 05 48 13-0085)* Note: With external adjustment bolt.		
23 05 48 13-0130	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 25-50 Lb.	274.97	19.47
23 05 48 13-0131	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 50-100 Lb.	274.97	19.47
23 05 48 13-0132	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 100-150 Lb.	274.97	19.47
23 05 48 13-0133	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 150-250 Lb.	274.97	19.47
23 05 48 13-0134	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 250-350 Lb.	286.01	19.47
23 05 48 13-0135	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 350-450 Lb.	331.74	19.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0136	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 450-600 Lb	331.74	19.47
23 05 48 13-0137		**Housed Fail Safe Spring Mounts, 1" Deflection (HME Type)** *(23 05 48 13-0085)*		
		Note: With external adjustment bolt.		
23 05 48 13-0138	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 45-90 Lb	392.42	21.41
23 05 48 13-0139	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 90-120 Lb	392.42	21.41
23 05 48 13-0140	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 120-175 Lb	392.42	21.41
23 05 48 13-0141	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 175-250 Lb	392.42	21.41
23 05 48 13-0142	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 250-330 Lb	392.42	21.41
23 05 48 13-0143	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 330-450 Lb	427.12	21.41
23 05 48 13-0144	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 450-600 Lb	427.12	21.41
23 05 48 13-0145	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 600-750 Lb	427.12	21.41
23 05 48 13-0146	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 750-900 Lb	427.12	21.41
23 05 48 13-0147	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 900-1,100 Lb	468.12	21.41
23 05 48 13-0148	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 1,100-1,300 Lb	468.12	21.41
23 05 48 13-0149	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 1,300-1,500 Lb	468.12	21.41
23 05 48 13-0150		**Housed Fail Safe Spring Mount, 2" Deflection (HME Type)** *(23 05 48 13-0085)*		
		Note: With external adjustment bolt.		
23 05 48 13-0151	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 48-90 Lb	566.95	21.41
23 05 48 13-0152	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 90-120 Lb	566.95	21.41
23 05 48 13-0153	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 120-175 Lb	566.95	21.41
23 05 48 13-0154	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 175-250 Lb	566.95	21.41
23 05 48 13-0155	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 250-330 Lb	566.95	21.41
23 05 48 13-0156	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 330-450 Lb	566.95	21.41
23 05 48 13-0157	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 450-600 Lb	625.31	21.41
23 05 48 13-0158	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 600-750 Lb	625.31	21.41
23 05 48 13-0159	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 500-660 Lb	992.77	21.41
23 05 48 13-0160	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 660-900 Lb	992.77	21.41
23 05 48 13-0161	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 900-1,200 Lb	992.77	21.41
23 05 48 13-0162	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 1,200-1,500 Lb	992.77	21.41
23 05 48 13-0163		**Housed Fail Safe Spring Mount, 1" Deflection (HMLT Type)** *(23 05 48 13-0085)*		
		Note: Skid resistant neoprene top and external adjustment bolt.		
23 05 48 13-0164	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 25-50 Lb.	330.51	16.22
23 05 48 13-0165	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 50-100 Lb.	330.51	16.22
23 05 48 13-0166	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 100-150 Lb.	330.51	16.22
23 05 48 13-0167	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 150-250 Lb.	330.51	16.22
23 05 48 13-0168	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 250-350 Lb.	330.51	16.22
23 05 48 13-0169	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 350-450 Lb.	343.13	16.22
23 05 48 13-0170	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 450-600 Lb.	343.13	16.22
23 05 48 13-0171		**Vibration Hangers** *(23 05 48 13-0085)*		
		Note: RH type neoprene hanger.		
23 05 48 13-0172	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 60 To 100 Lb.	214.01	29.20
23 05 48 13-0173	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 100 To 175 Lb.	214.01	29.20
23 05 48 13-0174	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 175 To 300 Lb.	291.29	29.20
23 05 48 13-0175	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 300 To 700 Lb.	291.29	29.20
23 05 48 13-0176	EA	3" x 2" x 7"H Neoprene Vibration Hanger, 700 To 1,100 Lb.	441.20	35.68
23 05 48 13-0177	EA	3" x 2" x 7"H Neoprene Vibration Hanger, 1,100 To 2,000 Lb.	441.20	35.68
23 05 48 13-0178		**Threaded Flexible Bronze Hose Connectors** *(23 05 48 13)*		
		Note: Includes hex threaded nipple ends.		
23 05 48 13-0179	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	84.70	20.76
23 05 48 13-0180	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	99.26	28.54
23 05 48 13-0181	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	121.85	35.04
23 05 48 13-0182	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	141.79	41.53
23 05 48 13-0183	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	162.57	54.50
23 05 48 13-0184	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	183.11	58.00
23 05 48 13-0185	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	245.15	68.77
23 05 48 13-0186	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	338.35	107.18
23 05 48 13-0187		**Weld End Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0188	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	251.25	74.48
23 05 48 13-0189	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	292.17	81.75
23 05 48 13-0190	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends	327.66	86.55
23 05 48 13-0191	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	366.92	98.62
23 05 48 13-0192	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	414.62	106.41
23 05 48 13-0193	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends	521.91	138.45
23 05 48 13-0194	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	768.94	155.72
23 05 48 13-0195	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends	943.93	175.18
23 05 48 13-0196	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,311.98	259.53

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0197		Flanged Flexible Hose Connectors *(23 05 48 13)*		
23 05 48 13-0198		Flanged Flexible Molded Rubber Hose Connectors *(23 05 48 13-0197)*		
		Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0199	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	256.96	97.32
23 05 48 13-0200	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	278.03	108.10
23 05 48 13-0201	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	452.33	215.93
23 05 48 13-0202	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	626.50	321.17
23 05 48 13-0203	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	816.30	414.60
23 05 48 13-0204	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,037.58	431.14
23 05 48 13-0205	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,261.30	492.42
23 05 48 13-0206	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,633.47	586.01
23 05 48 13-0207	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,957.59	732.94
23 05 48 13-0208		Flanged Flexible Corrugated Stainless Steel Hose Connectors *(23 05 48 13-0197)*		
		Note: With braided metal wire.		
23 05 48 13-0209	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	200.08	88.50
23 05 48 13-0210	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	194.34	121.72
23 05 48 13-0211	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	373.35	162.21
23 05 48 13-0212	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	484.57	243.31
23 05 48 13-0213	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	521.14	267.71
23 05 48 13-0214	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	605.59	324.16
23 05 48 13-0215	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	775.39	414.99
23 05 48 13-0216	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,069.15	516.33
23 05 48 13-0217	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,747.35	689.83
23 05 48 13-0218	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,056.59	797.67
23 05 48 13-0219	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,646.25	862.29
23 05 48 13-0220		Flanged Flexible Molded Teflon Hose Connectors *(23 05 48 13-0197)*		
		Note: 150 PSI.		
23 05 48 13-0221	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,119.79	188.16
23 05 48 13-0222	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,255.95	220.61
23 05 48 13-0223	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,903.45	370.76
23 05 48 13-0224	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,312.79	431.14
23 05 48 13-0225	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,040.42	528.87
23 05 48 13-0226		Flexible Hose Connectors Braided Metal Hose Type *(23 05 48 13)*		
23 05 48 13-0227		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0226)*		
		Note: MPT connection.		
23 05 48 13-0228	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	44.30	2.60
23 05 48 13-0229	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	52.96	2.60
23 05 48 13-0230	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	58.92	3.37
23 05 48 13-0231	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	71.67	3.37
23 05 48 13-0232	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	59.32	3.11
23 05 48 13-0233	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	71.67	3.11
23 05 48 13-0234	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	82.00	4.02
23 05 48 13-0235	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	101.24	4.02
23 05 48 13-0236	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	80.94	3.63
23 05 48 13-0237	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	88.52	3.63
23 05 48 13-0238	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	105.17	4.80
23 05 48 13-0239	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	133.31	4.80
23 05 48 13-0240	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	161.23	4.80
23 05 48 13-0241	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	189.25	4.80
23 05 48 13-0242	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	115.30	4.66
23 05 48 13-0243	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	127.11	4.66
23 05 48 13-0244	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	163.11	4.66
23 05 48 13-0245	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	226.78	6.21
23 05 48 13-0246	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	263.06	6.21
23 05 48 13-0247	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	311.33	6.21
23 05 48 13-0248	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	157.86	5.62
23 05 48 13-0249	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	182.54	5.62
23 05 48 13-0250	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	230.35	5.62
23 05 48 13-0251	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	307.22	7.53
23 05 48 13-0252	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	380.08	7.53
23 05 48 13-0253	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	452.87	7.53
23 05 48 13-0254	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	219.22	7.05
23 05 48 13-0255	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	249.62	6.68
23 05 48 13-0256	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	280.33	6.68
23 05 48 13-0257	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	345.69	8.96
23 05 48 13-0258	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	407.44	8.96
23 05 48 13-0259	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	467.27	8.96
23 05 48 13-0260	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	345.72	8.96
23 05 48 13-0261	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	386.74	8.96
23 05 48 13-0262	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	930.30	8.96
23 05 48 13-0263	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,120.34	11.95
23 05 48 13-0264	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	598.94	11.95
23 05 48 13-0265	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	679.66	11.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0266	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	631.87	10.07
23 05 48 13-0267	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	679.80	10.07
23 05 48 13-0268	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	727.73	10.07
23 05 48 13-0269	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	831.79	13.42
23 05 48 13-0270	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	927.28	13.42
23 05 48 13-0271	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,024.82	13.42

23 05 48 13-0272 Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0226)*

Note: Over braided carbon steel connection.

23 05 48 13-0273	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	188.09	5.69
23 05 48 13-0274	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	227.30	5.69
23 05 48 13-0275	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	265.78	5.69
23 05 48 13-0276	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	347.88	7.63
23 05 48 13-0277	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	425.87	7.63
23 05 48 13-0278	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	503.78	7.63
23 05 48 13-0279	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	213.22	6.68
23 05 48 13-0280	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	254.21	6.68
23 05 48 13-0281	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	295.38	6.68
23 05 48 13-0282	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	382.67	8.96
23 05 48 13-0283	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	464.67	8.96
23 05 48 13-0284	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	545.54	8.96
23 05 48 13-0285	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	226.22	8.96
23 05 48 13-0286	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	273.17	9.20
23 05 48 13-0287	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	320.79	8.96
23 05 48 13-0288	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	424.84	11.95
23 05 48 13-0289	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	519.57	11.95
23 05 48 13-0290	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	616.98	11.95
23 05 48 13-0291	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	456.13	17.43
23 05 48 13-0292	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	673.26	17.56
23 05 48 13-0293	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	902.91	23.12
23 05 48 13-0294	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,120.13	23.12
23 05 48 13-0295	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,337.30	23.12
23 05 48 13-0296	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	789.43	20.39
23 05 48 13-0297	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	953.71	20.39
23 05 48 13-0298	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,293.12	26.51
23 05 48 13-0299	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,619.02	26.51
23 05 48 13-0300	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,944.83	26.51
23 05 48 13-0301	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	845.27	25.50
23 05 48 13-0302	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,255.99	25.50
23 05 48 13-0303	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,682.39	33.20
23 05 48 13-0304	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,094.55	33.20
23 05 48 13-0305	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,504.96	33.20
23 05 48 13-0306	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,679.12	30.82
23 05 48 13-0307	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,191.69	30.82
23 05 48 13-0308	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,741.60	41.47
23 05 48 13-0309	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,258.67	41.47
23 05 48 13-0310	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,778.15	41.47

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0311		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0226)*		
		Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0312	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	414.28	5.62
23 05 48 13-0313	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	774.44	159.21
23 05 48 13-0314	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	948.36	159.21
23 05 48 13-0315	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,122.29	159.21
23 05 48 13-0316	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,296.28	159.21
23 05 48 13-0317	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	709.49	203.05
23 05 48 13-0318	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	892.77	203.05
23 05 48 13-0319	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,076.12	203.05
23 05 48 13-0320	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,259.53	203.05
23 05 48 13-0321	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,439.74	203.05
23 05 48 13-0322	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	987.54	340.40
23 05 48 13-0323	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,201.47	341.26
23 05 48 13-0324	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,418.88	340.40
23 05 48 13-0325	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,661.95	340.40
23 05 48 13-0326	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,847.69	340.40
23 05 48 13-0327	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,532.34	435.76
23 05 48 13-0328	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,017.05	435.76
23 05 48 13-0329	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,502.04	437.33
23 05 48 13-0330	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,986.83	435.76
23 05 48 13-0331	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,471.54	435.76
23 05 48 13-0332	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,519.63	521.27
23 05 48 13-0333	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,886.33	521.27
23 05 48 13-0334	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,613.37	521.27
23 05 48 13-0335	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,340.68	521.27
23 05 48 13-0336	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,067.65	521.27
23 05 48 13-0337	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,129.80	634.59
23 05 48 13-0338	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,043.39	634.59
23 05 48 13-0339	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,963.13	634.59
23 05 48 13-0340	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,880.89	634.59
23 05 48 13-0341	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,622.61	634.59
23 05 48 13-0342	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,609.27	770.57
23 05 48 13-0343	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,768.60	770.57
23 05 48 13-0344	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,927.86	770.57
23 05 48 13-0345	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	9,087.13	770.57
23 05 48 13-0346	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	10,246.46	770.57

23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	21.86
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	22.19
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	22.36
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	22.70
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	26.31
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	26.89
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	42.44
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	42.91

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	43.40	
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	43.67	
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	43.94	
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	44.23	
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	46.32	
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	46.64	
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	57.30	
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	59.30	
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	68.34	
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	78.37	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.17	
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.82	
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.13	
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.38	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.60	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.99	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.50	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.01	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.40	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.80	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.61	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.48	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.25	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.00	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	28.78	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	30.21	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	35.34	

23 05 53 00-0039 Valve Identification Tag *(23 05 53 00-0001)*

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	13.27	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	12.50	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	12.26	

23 05 53 00-0043 Medical Pipe Labels Pressure-Sensitive *(23 05 53 00-0001)*

23 05 53 00-0044	LF	3" Wide, Vinyl Medical Gas Pipe Pressure Sensitive Stick-On Label Note: To be wrapped around pipe insulation per location	24.38	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0002	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	1,090.40	90.76
23 05 66 00-0003	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	1,093.36	94.65
23 05 66 00-0004	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	1,144.44	99.45
23 05 66 00-0005	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	1,238.54	103.72
23 05 66 00-0006	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	1,165.86	106.97

23 05 66 00-0007 Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0008	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	877.97	59.90
23 05 66 00-0009	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	889.98	64.82
23 05 66 00-0010	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	913.04	68.72
23 05 66 00-0011	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	924.26	73.90
23 05 66 00-0012	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	948.11	77.79
23 05 66 00-0013	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	965.64	81.68
23 05 66 00-0014	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	988.71	86.87
23 05 66 00-0015	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	1,000.25	59.90
23 05 66 00-0016	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	1,012.26	64.82
23 05 66 00-0017	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,035.31	68.72
23 05 66 00-0018	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,046.54	73.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0019	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,070.39	77.79
23 05 66 00-0020	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,087.92	81.68
23 05 66 00-0021	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,110.99	86.87
23 05 66 00-0022	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	698.56	64.82
23 05 66 00-0023	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	721.62	68.72
23 05 66 00-0024	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	732.85	73.90
23 05 66 00-0025	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	756.70	77.79
23 05 66 00-0026	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	774.23	81.68
23 05 66 00-0027	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	797.30	86.87
23 05 66 00-0028		**Fan Coil Unit Ultraviolet Microbial Control Fixtures** *(23 05 66)*		
23 05 66 00-0029	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	642.42	82.98
23 05 66 00-0030	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	656.51	86.87
23 05 66 00-0031	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	670.58	90.76
23 05 66 00-0032	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	689.58	94.65
23 05 66 00-0033	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	714.21	99.45
23 05 66 00-0034	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	735.88	103.72
23 05 66 00-0035		**Ultraviolet HVAC Microbial Control Replacement Parts** *(23 05 66)*		
23 05 66 00-0036	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	169.83	
23 05 66 00-0037	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	178.57	
23 05 66 00-0038	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	203.07	
23 05 66 00-0039	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	234.62	
23 05 66 00-0040	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	266.85	
23 05 66 00-0041	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	270.24	
23 05 66 00-0042	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	128.00	
23 05 66 00-0043	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	134.82	
23 05 66 00-0044	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	152.69	
23 05 66 00-0045	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	158.73	
23 05 66 00-0046	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	177.39	
23 05 66 00-0047	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	189.73	
23 05 66 00-0048	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	207.62	
23 05 66 00-0049	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	498.00	
23 05 66 00-0050		**Ultraviolet HVAC Microbial Control Mounting Accessories** *(23 05 66)*		
23 05 66 00-0051	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	722.85	
23 05 66 00-0052	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	925.96	
23 05 66 00-0053	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	419.42	
23 05 66 00-0054	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	444.29	
23 05 66 00-0055	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	575.16	
23 05 66 00-0056	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	356.81	
23 05 66 00-0057	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	387.40	
23 05 66 00-0058	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	504.00	
23 05 66 00-0059	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	496.94	
23 05 66 00-0060	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	18.69	
23 05 66 00-0061	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	62.90	
23 05 66 00-0062	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	21.48	
23 05 66 00-0063	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	20.25	
23 05 66 00-0064	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	57.86	
23 05 66 00-0065	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	69.55	
23 05 66 00-0066	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	61.70	
23 05 66 00-0067	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	49.94	
23 05 66 00-0068	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	47.14	
23 05 66 00-0069	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	25.18	
23 05 66 00-0070	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	53.08	
23 05 66 00-0071	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	25.29	
23 05 66 00-0072	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	101.33	
23 05 66 00-0073	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	106.59	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0074		Ultraviolet Duct Disinfection Unit (eLEDLights) *(23 05 66)*		
23 05 66 00-0075	EA	Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,480.86	119.93
23 05 66 00-0076	EA	Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,656.43	126.41
23 05 66 00-0077	EA	Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,718.68	136.14
23 05 66 00-0078	EA	Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,798.02	145.86
23 05 66 00-0079	EA	Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,851.71	155.59
23 05 66 00-0080	EA	Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,232.70	162.07
23 05 66 00-0081	EA	Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1)	2,236.70	126.41
23 05 66 00-0082	EA	Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1)	2,324.62	136.14
23 05 66 00-0083	EA	Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1)	2,686.40	145.86
23 05 66 00-0084	EA	Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1)	2,791.44	155.59
23 05 66 00-0085		Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) *(23 05 66)*		
		Note: Includes 2 Year Warranty		
23 05 66 00-0086	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO)	1,137.17	126.41
23 05 66 00-0087	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO)	1,921.26	126.41
23 05 66 00-0088	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO)	2,706.40	126.41
23 05 66 00-0089	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO)	1,169.28	136.14
23 05 66 00-0090	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO)	1,963.93	136.14
23 05 66 00-0091	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO)	2,759.62	136.14
23 05 66 00-0092	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO)	1,199.28	145.86
23 05 66 00-0093	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO)	2,006.58	145.86
23 05 66 00-0094	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO)	2,812.83	145.86
23 05 66 00-0095	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO)	1,327.73	162.07
23 05 66 00-0096	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO)	2,212.07	162.07
23 05 66 00-0097	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO)	3,096.41	162.07
23 05 66 00-0098	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO)	1,553.27	178.28
23 05 66 00-0099	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO)	2,631.79	178.28
23 05 66 00-0100	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO)	3,709.25	178.28

23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001		Heating And Ventilating Equipment *(23 05 93)*	
23 05 93 00-0002	EA	Balancing Centrifugal Fans	555.88
		For Testing Of Unit Without Balancing, Deduct	*-277.94*
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	694.57
		For Testing Of Unit Without Balancing, Deduct	*-347.29*
23 05 93 00-0004	EA	Balancing In Line Fan	625.36
		For Testing Of Unit Without Balancing, Deduct	*-312.68*
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	138.97
		For Testing Of Unit Without Balancing, Deduct	*-69.49*
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	416.88
		For Testing Of Unit Without Balancing, Deduct	*-208.44*
23 05 93 00-0007	EA	Balancing Wall Fan	104.20
		For Testing Of Unit Without Balancing, Deduct	*-52.10*
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	554.99
		For Testing Of Unit Without Balancing, Deduct	*-277.50*
23 05 93 00-0009		Air Conditioning Equipment *(23 05 93)*	
23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	955.99
		For Testing Of Unit Without Balancing, Deduct	*-478.00*
23 05 93 00-0011	EA	Balancing Package A/C Unit	358.50
		For Testing Of Unit Without Balancing, Deduct	*-179.25*
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	478.00
		For Testing Of Unit Without Balancing, Deduct	*-239.00*
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,672.99
		For Testing Of Unit Without Balancing, Deduct	*-836.50*
23 05 93 00-0014		Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*	
23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	104.22
		For Testing Of Unit Without Balancing, Deduct	*-52.11*
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	173.71
		For Testing Of Unit Without Balancing, Deduct	*-86.86*
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	90.33
		For Testing Of Unit Without Balancing, Deduct	*-45.17*
23 05 93 00-0018	EA	Balance Variable Air Volume Box	97.87
		For Testing Of Unit Without Balancing, Deduct	*-48.94*
23 05 93 00-0019	EA	Balance Constant Volume Box	97.87
		For Testing Of Unit Without Balancing, Deduct	*-48.94*
23 05 93 00-0020	EA	Balance Fan Powered Box	111.17
		For Testing Of Unit Without Balancing, Deduct	*-55.59*
23 05 93 00-0021	EA	Balance Lab Fume Hood	451.66
		For Testing Of Unit Without Balancing, Deduct	*-225.83*
23 05 93 00-0022	EA	Balance General Hood	347.42
		For Testing Of Unit Without Balancing, Deduct	*-173.71*
23 05 93 00-0023	EA	Balance Induction Unit	208.46
		For Testing Of Unit Without Balancing, Deduct	*-104.23*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0024	EA	Balance Moduline - Master	83.36	
		For Testing Of Unit Without Balancing, Deduct	*-41.68*	
23 05 93 00-0025	EA	Balance Moduline - Slave	41.69	
		For Testing Of Unit Without Balancing, Deduct	*-20.85*	
23 05 93 00-0026	EA	Balance Dampers	38.71	
		For Testing Of Unit Without Balancing, Deduct	*-19.36*	
23 05 93 00-0027	EA	Balance Regenerators	554.99	
		For Testing Of Unit Without Balancing, Deduct	*-277.50*	

23 05 93 00-0028 Water Balancing Of Components *(23 05 93)*

23 05 93 00-0029	EA	Water Balance, Air-Cool Condenser	657.31	
		For Testing Of Unit Without Balancing, Deduct	*-328.66*	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	83.65	
		For Testing Of Unit Without Balancing, Deduct	*-41.83*	
23 05 93 00-0031	EA	Water Balance, Chiller, Air-Cooled	716.94	
		For Testing Of Unit Without Balancing, Deduct	*-358.47*	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	955.99	
		For Testing Of Unit Without Balancing, Deduct	*-478.00*	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	478.00	
		For Testing Of Unit Without Balancing, Deduct	*-239.00*	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	119.57	
		For Testing Of Unit Without Balancing, Deduct	*-59.79*	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	119.50	
		For Testing Of Unit Without Balancing, Deduct	*-59.75*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	131.45	
		For Testing Of Unit Without Balancing, Deduct	*-65.73*	
23 05 93 00-0037	EA	Water Balance, Pumps	358.52	
		For Testing Of Unit Without Balancing, Deduct	*-179.26*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	83.65	
		For Testing Of Unit Without Balancing, Deduct	*-41.83*	
23 05 93 00-0039	EA	Water Balancing, Converter	358.64	
		For Testing Of Unit Without Balancing, Deduct	*-179.32*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	59.74	
		For Testing Of Unit Without Balancing, Deduct	*-29.87*	
23 05 93 00-0041	EA	Water Balance, Convector	71.69	
		For Testing Of Unit Without Balancing, Deduct	*-35.85*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	89.63	
		For Testing Of Unit Without Balancing, Deduct	*-44.82*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	776.74	
		For Testing Of Unit Without Balancing, Deduct	*-388.37*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,434.00	
		For Testing Of Unit Without Balancing, Deduct	*-717.00*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	2,628.99	
		For Testing Of Unit Without Balancing, Deduct	*-1,314.50*	

23 05 93 00-0046 Non-Destructive Testing *(23 05 93)*

23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0048 Minimum Charge For X-Ray Welds *(23 05 93 00-0047)*

23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,091.72

23 05 93 00-0050 Piping, X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0047)*

23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	98.60
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	112.22
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	125.84
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	132.98
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	140.12
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	147.89
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	162.17
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	176.44
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	184.21
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	194.67

23 05 93 00-0061 Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0061)*

23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	83.03
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	89.52
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	96.01
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	99.25
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	104.12
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	108.99
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	118.72
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	128.45
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	138.19
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	147.92

23 05 93 00-0073 Hydrostatic Testing *(23 05 93 00-0046)*

Note: Includes flushing and restoring of system.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0074		Piping, Hydrostatic Testing *(23 05 93 00-0073)*		
23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	853.72	
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,219.60	
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,461.31	
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,946.48	
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,949.21	
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,135.11	
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,622.06	
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,931.03	
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,530.40	
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	3,828.06	
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,479.32	
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	2,108.69	
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	2,224.69	
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	2,914.52	
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	4,409.12	
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,920.53	
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	2,738.04	
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	2,892.67	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	3,794.04	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	5,748.56	
23 05 93 00-0095		Pneumatic Testing *(23 05 93 00-0046)*		
		Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096		Piping, Pneumatic Testing With Inert Gas *(23 05 93 00-0095)*		
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing	970.08	
		Note: Includes soaping joints.		
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing	1,384.61	
		Note: Includes soaping joints.		
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing	1,494.91	
		Note: Includes soaping joints.		
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing	1,913.73	
		Note: Includes soaping joints.		
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing	2,992.18	
		Note: Includes soaping joints.		
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing	1,265.86	
		Note: Includes soaping joints.		
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing	1,797.98	
		Note: Includes soaping joints.		
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing	1,943.32	
		Note: Includes soaping joints.		
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing	2,488.51	
		Note: Includes soaping joints.		
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing	3,889.58	
		Note: Includes soaping joints.		
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing	1,524.39	
		Note: Includes soaping joints.		
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing	2,151.87	
		Note: Includes soaping joints.		
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing	2,433.38	
		Note: Includes soaping joints.		
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing	3,107.71	
		Note: Includes soaping joints.		
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing	4,864.54	
		Note: Includes soaping joints.		
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing	1,984.78	
		Note: Includes soaping joints.		
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing	2,797.50	
		Note: Includes soaping joints.		
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing	3,164.15	
		Note: Includes soaping joints.		
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing	4,040.39	
		Note: Includes soaping joints.		
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing	6,333.25	
		Note: Includes soaping joints.		
23 05 93 00-0117		EPA Testing Of Sludge *(23 05 93)*		
23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	1,065.96	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	105.00	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	1,636.41	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	1,241.06	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

23 07 13 00-0002 Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0003	SF	1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.37	2.53
		For Plain Blanket, With No Facing, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*1.01*	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.10	2.53
		For Plain Blanket, With No Facing, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.18*	
23 07 13 00-0005	SF	2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.77	3.78
		For Plain Blanket, With No Facing, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*1.35*	
23 07 13 00-0006	SF	3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.83	4.42
		For Plain Blanket, With No Facing, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*1.58*	
23 07 13 00-0007	SF	4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	8.14	4.79
		For Plain Blanket, With No Facing, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*1.70*	

23 07 13 00-0008 Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0009	SF	1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.37	3.78
		For Plain Blanket, With No Facing, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.26*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.26	4.42
		For Plain Blanket, With No Facing, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*1.46*	
23 07 13 00-0011	SF	2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation	7.40	5.05
		For Plain Blanket, With No Facing, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*1.72*	

23 07 13 00-0012 Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0013	SF	1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.03	5.05
		For Plain Blanket, With No Facing, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*1.52*	
23 07 13 00-0014	SF	1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	9.21	5.68
		For Plain Blanket, With No Facing, Deduct	*-1.37*	
		For Work In Restricted Working Space, Add	*1.74*	
23 07 13 00-0015	SF	2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	10.74	6.31
		For Plain Blanket, With No Facing, Deduct	*-1.61*	
		For Work In Restricted Working Space, Add	*2.02*	

23 07 13 00-0016 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

23 07 13 00-0017	SF	1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	11.95	6.82
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*27.41*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*20.35*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*16.77*	
		For Work In Restricted Working Space, Add	*3.36*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	15.38	8.29
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*33.94*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*25.60*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*20.99*	
		For Work In Restricted Working Space, Add	*4.09*	
23 07 13 00-0019	SF	2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	19.20	10.01
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*41.41*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*31.54*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*25.78*	
		For Work In Restricted Working Space, Add	*4.94*	

23 07 13 00-0020 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.

23 07 13 00-0021	SF	1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	13.44	7.50
		For Work In Restricted Working Space, Add	*3.70*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	17.48	9.12
		For Work In Restricted Working Space, Add	*4.50*	
23 07 13 00-0023	SF	2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	22.44	11.01
		For Work In Restricted Working Space, Add	*5.43*	

23 07 13 00-0024 Sheet Flexible Elastomeric Insulation *(23 07 13)*

23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	9.85	3.41
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	10.52	3.59
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	13.75	3.78
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	15.81	3.97
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	21.81	4.36
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	25.75	4.73

23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*

Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.

23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.47	3.59
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.92	3.78
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.71	3.97
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	27.50	4.36
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	32.55	4.73

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0037		Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)* Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.29	3.59
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.73	3.78
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.02	3.97
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	30.77	4.36
23 07 13 00-0042		Fully Foil Encapsulated Pyroscat DuctWrap XL Insulation *(23 07 13)* Note: Fire rated insulation. Includes stainless steel bands.		
23 07 13 00-0043	SF	1-1/2", 6 Lb./CF, Fully Foil Encapsulated Pyroscat DuctWrap XL Insulation	18.95	5.68
		For Work In Restricted Working Space, Add	*1.74*	
23 07 13 00-0044	SF	Two Layers, 1-1/2", 6 Lb./CF, Fully Foil Encapsulated Pyroscat DuctWrap XL Insulation	34.81	9.25
		For Work In Restricted Working Space, Add	*2.78*	

23 07 16 HVAC Equipment Insulation *(23 07)*

23 07 16 00-0001		Calcium Silicate Block Insulation *(23 07 16)*		
23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	20.34	8.19
		For Work In Restricted Working Space, Add	*4.91*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	24.37	9.22
		For Work In Restricted Working Space, Add	*5.53*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	29.26	10.63
		For Work In Restricted Working Space, Add	*6.40*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	34.87	12.48
		For Work In Restricted Working Space, Add	*7.49*	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	42.60	15.36
		For Work In Restricted Working Space, Add	*9.21*	

23 07 19 HVAC Piping Insulation *(23 07)*

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001		Calcium Silicate Pipe Insulation *(23 07 19)* Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0590 for protective jacketing.		
23 07 19 00-0002		1" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*		
23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.04	4.15
		For Work In Restricted Working Space, Add	*3.11*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.04	4.15
		For Work In Restricted Working Space, Add	*3.11*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.03	4.21
		For Work In Restricted Working Space, Add	*3.16*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.24	4.27
		For Work In Restricted Working Space, Add	*3.20*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.42	4.33
		For Work In Restricted Working Space, Add	*3.25*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.27	4.45
		For Work In Restricted Working Space, Add	*3.34*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.95	4.63
		For Work In Restricted Working Space, Add	*3.47*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.58	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.67	5.11
		For Work In Restricted Working Space, Add	*3.83*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	20.85	5.77
		For Work In Restricted Working Space, Add	*4.32*	
23 07 19 00-0013		1-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*		
23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.67	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.73	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.74	4.58
		For Work In Restricted Working Space, Add	*3.43*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.29	4.66
		For Work In Restricted Working Space, Add	*3.50*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.84	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.01	5.01
		For Work In Restricted Working Space, Add	*3.76*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.72	5.10
		For Work In Restricted Working Space, Add	*3.82*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.42	5.27
		For Work In Restricted Working Space, Add	*3.95*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	21.49	5.70
		For Work In Restricted Working Space, Add	*4.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	24.95	6.65
		For Work In Restricted Working Space, Add	*4.99*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	28.58	7.02
		For Work In Restricted Working Space, Add	*5.27*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	35.61	8.40
		For Work In Restricted Working Space, Add	*6.30*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	41.78	9.78
		For Work In Restricted Working Space, Add	*7.34*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	46.38	10.73
		For Work In Restricted Working Space, Add	*8.04*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	56.05	13.66
		For Work In Restricted Working Space, Add	*10.24*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	60.06	14.33
		For Work In Restricted Working Space, Add	*10.75*	

23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.98	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.31	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.82	4.81
		For Work In Restricted Working Space, Add	*3.61*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.46	4.87
		For Work In Restricted Working Space, Add	*3.65*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.92	4.93
		For Work In Restricted Working Space, Add	*3.70*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.75	5.11
		For Work In Restricted Working Space, Add	*3.83*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.81	5.28
		For Work In Restricted Working Space, Add	*3.96*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.30	5.46
		For Work In Restricted Working Space, Add	*4.10*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	25.56	5.77
		For Work In Restricted Working Space, Add	*4.33*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	31.19	6.92
		For Work In Restricted Working Space, Add	*5.19*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	34.80	7.31
		For Work In Restricted Working Space, Add	*5.48*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	42.65	8.74
		For Work In Restricted Working Space, Add	*6.56*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	49.26	10.47
		For Work In Restricted Working Space, Add	*7.85*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	61.91	14.60
		For Work In Restricted Working Space, Add	*10.95*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	64.50	14.60
		For Work In Restricted Working Space, Add	*10.95*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	68.87	15.34
		For Work In Restricted Working Space, Add	*11.50*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	81.43	17.53
		For Work In Restricted Working Space, Add	*13.15*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	95.50	21.17
		For Work In Restricted Working Space, Add	*15.88*	

23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.38	5.47
		For Work In Restricted Working Space, Add	*4.11*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.73	5.47
		For Work In Restricted Working Space, Add	*4.11*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.11	5.56
		For Work In Restricted Working Space, Add	*4.17*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.30	5.61
		For Work In Restricted Working Space, Add	*4.20*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.79	5.65
		For Work In Restricted Working Space, Add	*4.24*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.75	5.88
		For Work In Restricted Working Space, Add	*4.41*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.24	6.08
		For Work In Restricted Working Space, Add	*4.56*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.77	6.30
		For Work In Restricted Working Space, Add	*4.72*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	30.36	6.64
		For Work In Restricted Working Space, Add	*4.98*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	37.18	7.55
		For Work In Restricted Working Space, Add	*5.66*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	42.26	8.41
		For Work In Restricted Working Space, Add	*6.31*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	50.17	9.70
		For Work In Restricted Working Space, Add	*7.28*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	59.05	12.06
		For Work In Restricted Working Space, Add	*9.04*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	65.17	13.16
		For Work In Restricted Working Space, Add	*9.87*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	79.85	16.83
		For Work In Restricted Working Space, Add	*12.62*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	84.24	17.66
		For Work In Restricted Working Space, Add	*13.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	97.46	20.19
		For Work In Restricted Working Space, Add	*15.14*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	115.09	24.39
		For Work In Restricted Working Space, Add	*18.29*	
23 07 19 00-0068		**3" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.24	6.06
		For Work In Restricted Working Space, Add	*4.55*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.32	6.06
		For Work In Restricted Working Space, Add	*4.55*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.56	6.12
		For Work In Restricted Working Space, Add	*4.59*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.82	6.16
		For Work In Restricted Working Space, Add	*4.62*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.07	6.23
		For Work In Restricted Working Space, Add	*4.67*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.01	6.46
		For Work In Restricted Working Space, Add	*4.85*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.66	6.68
		For Work In Restricted Working Space, Add	*5.01*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	31.37	6.92
		For Work In Restricted Working Space, Add	*5.19*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	36.24	7.31
		For Work In Restricted Working Space, Add	*5.48*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	42.66	8.29
		For Work In Restricted Working Space, Add	*6.22*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	49.22	9.25
		For Work In Restricted Working Space, Add	*6.94*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	58.20	10.67
		For Work In Restricted Working Space, Add	*8.00*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	68.03	13.26
		For Work In Restricted Working Space, Add	*9.95*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	75.30	14.48
		For Work In Restricted Working Space, Add	*10.86*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	89.46	18.51
		For Work In Restricted Working Space, Add	*13.88*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	96.01	19.43
		For Work In Restricted Working Space, Add	*14.57*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	111.97	22.22
		For Work In Restricted Working Space, Add	*16.66*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	132.92	26.84
		For Work In Restricted Working Space, Add	*20.12*	
23 07 19 00-0087		**3-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.50	6.64
		For Work In Restricted Working Space, Add	*4.98*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.51	6.64
		For Work In Restricted Working Space, Add	*4.98*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.62	6.68
		For Work In Restricted Working Space, Add	*5.01*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.74	6.72
		For Work In Restricted Working Space, Add	*5.05*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	34.68	6.81
		For Work In Restricted Working Space, Add	*5.11*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.63	7.03
		For Work In Restricted Working Space, Add	*5.28*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	39.48	7.29
		For Work In Restricted Working Space, Add	*5.47*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.88	7.55
		For Work In Restricted Working Space, Add	*5.66*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	46.03	7.97
		For Work In Restricted Working Space, Add	*5.98*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	51.49	9.06
		For Work In Restricted Working Space, Add	*6.79*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	61.89	10.08
		For Work In Restricted Working Space, Add	*7.56*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	74.68	11.64
		For Work In Restricted Working Space, Add	*8.73*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	90.74	14.47
		For Work In Restricted Working Space, Add	*10.85*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	96.07	15.80
		For Work In Restricted Working Space, Add	*11.85*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	113.55	20.19
		For Work In Restricted Working Space, Add	*15.14*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	128.72	21.19
		For Work In Restricted Working Space, Add	*15.90*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	140.09	24.24
		For Work In Restricted Working Space, Add	*18.18*	
23 07 19 00-0105		**4" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.80	7.38
		For Work In Restricted Working Space, Add	*5.53*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.83	7.38
		For Work In Restricted Working Space, Add	*5.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	40.15	7.50
		For Work In Restricted Working Space, Add	*5.63*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	41.16	7.59
		For Work In Restricted Working Space, Add	*5.69*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	43.40	7.83
		For Work In Restricted Working Space, Add	*5.87*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	44.37	8.07
		For Work In Restricted Working Space, Add	*6.05*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	47.93	8.19
		For Work In Restricted Working Space, Add	*6.15*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	49.36	8.49
		For Work In Restricted Working Space, Add	*6.37*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	55.46	8.97
		For Work In Restricted Working Space, Add	*6.73*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	63.99	10.17
		For Work In Restricted Working Space, Add	*7.63*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	75.57	11.34
		For Work In Restricted Working Space, Add	*8.51*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	87.06	13.10
		For Work In Restricted Working Space, Add	*9.83*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	100.29	16.27
		For Work In Restricted Working Space, Add	*12.21*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	107.08	17.78
		For Work In Restricted Working Space, Add	*13.34*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	128.24	22.73
		For Work In Restricted Working Space, Add	*17.05*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	136.07	23.82
		For Work In Restricted Working Space, Add	*17.87*	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	151.37	27.26
		For Work In Restricted Working Space, Add	*20.45*	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	6.35	
		For Work In Restricted Working Space, Add	*1.17*	

23 08 Commissioning of HVAC *(23)*

See CSI section 01 91 13 00-0001 for commissioning, 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC *(23)*

23 09 23 Direct-Digital Control System for HVAC *(23 09)*

23 09 23 11 Control Valves *(23 09 23)*

23 09 23 11-0001 Valves With Actuator *(23 09 23 11)*

23 09 23 11-0002	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	846.17	16.75
23 09 23 11-0003	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	873.91	22.57
23 09 23 11-0004	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	955.90	27.32
23 09 23 11-0005	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,042.03	34.60
23 09 23 11-0006	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,186.85	39.93
23 09 23 11-0007	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,340.91	47.18
23 09 23 11-0008	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,506.42	94.37
23 09 23 11-0009	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,715.35	110.43
23 09 23 11-0010	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,662.24	162.21
23 09 23 11-0011	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,387.83	234.42
23 09 23 11-0012	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	5,967.84	259.53
23 09 23 11-0013	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	908.76	25.12
23 09 23 11-0014	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	934.98	33.85
23 09 23 11-0015	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,011.96	40.98
23 09 23 11-0016	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,120.39	51.91
23 09 23 11-0017	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,440.59	59.89
23 09 23 11-0018	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,597.09	70.78
23 09 23 11-0019	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,817.26	141.57
23 09 23 11-0020	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	3,094.48	165.66
23 09 23 11-0021	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,502.64	243.31
23 09 23 11-0022	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	6,531.22	351.62
23 09 23 11-0023	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	7,260.97	389.30
23 09 23 11-0024	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	144.23	16.75
23 09 23 11-0025	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	170.27	22.57
23 09 23 11-0026	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	214.47	27.32
23 09 23 11-0027	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	176.66	25.12
23 09 23 11-0028	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	206.71	33.85
23 09 23 11-0029	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	258.46	40.98
23 09 23 11-0030	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	239.46	16.75
23 09 23 11-0031	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	284.01	22.57
23 09 23 11-0032	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	323.15	27.32
23 09 23 11-0033	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	420.39	34.60
23 09 23 11-0034	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	435.05	39.93
23 09 23 11-0035	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	554.06	47.18
23 09 23 11-0036	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,189.88	94.37
23 09 23 11-0037	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,397.00	110.43
23 09 23 11-0038	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	290.40	25.12
23 09 23 11-0039	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	336.07	33.85
23 09 23 11-0040	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	433.60	40.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0041	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	614.92	51.91
23 09 23 11-0042	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	648.50	59.89
23 09 23 11-0043	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	859.02	70.78
23 09 23 11-0044	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	702.80	86.51
23 09 23 11-0045	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	738.12	94.37
23 09 23 11-0046	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	969.76	110.43
23 09 23 11-0047	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,481.46	185.38
23 09 23 11-0048	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,976.37	234.42
23 09 23 11-0049	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,140.68	259.53
23 09 23 11-0050	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,269.76	296.61
23 09 23 11-0051	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,238.61	363.35
23 09 23 11-0052	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	6,473.83	440.42
23 09 23 11-0053	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	7,195.10	519.06
23 09 23 11-0054	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	9,510.76	570.97
23 09 23 11-0055	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	11,524.50	634.29
23 09 23 11-0056	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,297.46	129.77
23 09 23 11-0057	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,527.94	141.57
23 09 23 11-0058	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,885.95	165.66
23 09 23 11-0059	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,421.82	278.07
23 09 23 11-0060	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	4,952.42	351.62
23 09 23 11-0061	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	5,128.37	389.30
23 09 23 11-0062	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	6,463.33	444.96
23 09 23 11-0063	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	8,553.94	545.01
23 09 23 11-0064	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	10,397.22	660.62
23 09 23 11-0065	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	16,216.86	778.59
23 09 23 11-0066	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	18,082.25	856.45
23 09 23 11-0067	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	27,818.35	951.44

23 09 23 11-0068 Valve Actuators *(23 09 23 11)*

23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	499.12	107.21
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	506.58	107.21
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	623.83	107.21
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	568.60	107.21
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	579.50	107.21
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	651.06	107.21
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	788.05	107.21
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	804.81	107.21
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	845.20	107.21
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	606.72	107.21
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	691.47	107.21
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	615.61	107.21
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	626.53	107.21
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	630.61	107.21
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	704.88	107.21
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	736.91	107.21
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	753.93	107.21
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	750.54	107.21
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	761.44	107.21
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	760.75	107.21
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	831.42	107.21
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	1,010.15	107.21
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	668.08	107.21
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	798.93	107.21
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,825.09	107.21
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	2,048.58	107.21
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	2,462.18	107.21
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	2,791.29	107.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	3,307.10	107.21
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	3,898.56	107.21
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	5,258.61	107.21
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	6,423.10	107.21
23 09 23 11-0101		Rotork IQ Electric Valve Actuators *(23 09 23 11)*		
23 09 23 11-0102		Rotork IQ2 Electric Valve Actuators *(23 09 23 11-0101)* Note: 3 Phase, A, B1/B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0103		WT Enclosure *(23 09 23 11-0102)*		
23 09 23 11-0104	EA	Rotork IQ10 Electric Valve Actuator, WT Enclosure	10,251.84	389.30
23 09 23 11-0105	EA	Rotork IQ12 Electric Valve Actuator, WT Enclosure	10,687.81	389.30
23 09 23 11-0106	EA	Rotork IQ18 Electric Valve Actuator, WT Enclosure	11,577.97	389.30
23 09 23 11-0107	EA	Rotork IQ20 Electric Valve Actuator, WT Enclosure	14,532.33	389.30
23 09 23 11-0108	EA	Rotork IQ25 Electric Valve Actuator, WT Enclosure	14,943.94	389.30
23 09 23 11-0109	EA	Rotork IQ35 Electric Valve Actuator, WT Enclosure	16,543.95	500.43
23 09 23 11-0110	EA	Rotork IQ40 Electric Valve Actuator, WT Enclosure	20,271.08	750.65
23 09 23 11-0111	EA	Rotork IQ70 Electric Valve Actuator, WT Enclosure	25,000.26	750.65
23 09 23 11-0112	EA	Rotork IQ90 Electric Valve Actuator, WT Enclosure	27,454.47	750.65
23 09 23 11-0113	EA	Rotork IQ91 Electric Valve Actuator, WT Enclosure	39,933.58	1,125.98
23 09 23 11-0114	EA	Rotork IQ95 Electric Valve Actuator, WT Enclosure	32,402.74	1,125.98
23 09 23 11-0115		FM Enclosure *(23 09 23 11-0102)*		
23 09 23 11-0116	EA	Rotork IQ10 Electric Valve Actuator, FM Enclosure	11,075.08	389.30
23 09 23 11-0117	EA	Rotork IQ12 Electric Valve Actuator, FM Enclosure	11,542.02	389.30
23 09 23 11-0118	EA	Rotork IQ18 Electric Valve Actuator, FM Enclosure	12,475.89	389.30
23 09 23 11-0119	EA	Rotork IQ20 Electric Valve Actuator, FM Enclosure	15,680.31	389.30
23 09 23 11-0120	EA	Rotork IQ25 Electric Valve Actuator, FM Enclosure	16,116.27	389.30
23 09 23 11-0121	EA	Rotork IQ35 Electric Valve Actuator, FM Enclosure	17,911.58	500.43
23 09 23 11-0122	EA	Rotork IQ40 Electric Valve Actuator, FM Enclosure	22,052.54	750.65
23 09 23 11-0123	EA	Rotork IQ70 Electric Valve Actuator, FM Enclosure	27,111.46	750.65
23 09 23 11-0124	EA	Rotork IQ90 Electric Valve Actuator, FM Enclosure	29,705.10	750.65
23 09 23 11-0125	EA	Rotork IQ91 Electric Valve Actuator, FM Enclosure	42,983.10	1,125.98
23 09 23 11-0126	EA	Rotork IQ95 Electric Valve Actuator, FM Enclosure	34,996.38	1,125.98
23 09 23 11-0127		Rotork IQM And M Range Syncroset Electric Valve Actuators *(23 09 23 11-0101)* Note: 3 Phase, A, B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0128		WT Enclosure *(23 09 23 11-0127)*		
23 09 23 11-0129	EA	Rotork IQM10 Electric Valve Actuator, WT Enclosure	13,091.12	389.30
23 09 23 11-0130	EA	Rotork IQM12 Electric Valve Actuator, WT Enclosure	13,399.27	389.30
23 09 23 11-0131	EA	Rotork IQM20 Electric Valve Actuator, WT Enclosure	15,262.61	389.30
23 09 23 11-0132	EA	Rotork IQM25 Electric Valve Actuator, WT Enclosure	15,457.36	389.30
23 09 23 11-0133	EA	Rotork IQM35 Electric Valve Actuator, WT Enclosure	17,991.25	500.43
23 09 23 11-0134		FM Enclosure *(23 09 23 11-0127)*		
23 09 23 11-0135	EA	Rotork IQM10 Electric Valve Actuator, FM Enclosure	14,958.89	389.30
23 09 23 11-0136	EA	Rotork IQM12 Electric Valve Actuator, FM Enclosure	15,275.33	389.30
23 09 23 11-0137	EA	Rotork IQM20 Electric Valve Actuator, FM Enclosure	17,304.65	389.30
23 09 23 11-0138	EA	Rotork IQM25 Electric Valve Actuator, FM Enclosure	17,468.42	389.30
23 09 23 11-0139	EA	Rotork IQM35 Electric Valve Actuator, FM Enclosure	20,401.21	500.43
23 09 23 11-0140		Rotork IQT Electric Valve Actuators *(23 09 23 11-0101)* Note: 3 Phase, A, B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0141		WT Enclosure *(23 09 23 11-0140)*		
23 09 23 11-0142	EA	Rotork IQT125 Electric Valve Actuator, WT Enclosure	9,298.04	389.30
23 09 23 11-0143	EA	Rotork IQT250 Electric Valve Actuator, WT Enclosure	9,486.15	389.30
23 09 23 11-0144	EA	Rotork IQT500 Electric Valve Actuator, WT Enclosure	9,749.49	389.30
23 09 23 11-0145	EA	Rotork IQT1000 Electric Valve Actuator, WT Enclosure	11,229.99	389.30
23 09 23 11-0146	EA	Rotork IQT2000 Electric Valve Actuator, WT Enclosure	11,986.84	389.30
23 09 23 11-0147		FM Enclosure *(23 09 23 11-0140)*		
23 09 23 11-0148	EA	Rotork IQT125 Electric Valve Actuator, FM Enclosure	10,132.34	389.30
23 09 23 11-0149	EA	Rotork IQT250 Electric Valve Actuator, FM Enclosure	9,922.11	389.30
23 09 23 11-0150	EA	Rotork IQT500 Electric Valve Actuator, FM Enclosure	10,586.01	389.30
23 09 23 11-0151	EA	Rotork IQT1000 Electric Valve Actuator, FM Enclosure	12,064.29	389.30
23 09 23 11-0152	EA	Rotork IQT2000 Electric Valve Actuator, FM Enclosure	13,144.23	389.30
23 09 23 11-0153		Rotork Q Range Basic Actuators *(23 09 23 11-0101)* See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0154	EA	Rotork Q100 Standard Actuator	1,803.60	
23 09 23 11-0155	EA	Rotork Q300 Standard Actuator	2,655.60	
23 09 23 11-0156		**Rotork Actuator Mounting Kits** *(23 09 23 11-0101)*		
		Note: Mounting of Rotork actuators to valves, dampers or other equipment, including machining of actuator output device.		
23 09 23 11-0157	EA	Mounting Kit For Rotork Actuators (Up To IQ 18) Or Exeeco Gearboxes (Up To IW6 Or IB6) To Valves, Dampers And Other Equipment	1,073.30	
23 09 23 11-0158	EA	Mounting Kit For Rotork Actuators (IQ 20-25) Or Exeeco Gearboxes (Up To IW9 Or IB10) To Valves, Dampers And Other Equipment	1,637.62	
23 09 23 11-0159	EA	Mounting Kit For Rotork Actuators (IQ 35-40) Or Exeeco Gearboxes (Up to IW12 Or IB14) To Valves, Dampers And Other Equipment	2,146.61	
23 09 23 11-0160	EA	Mounting Kit For Rotork Actuators (IQ 70-90) Or Exeeco Gearboxes (Up To IS15 Or IS20) To Valves, Dampers And Other Equipment	2,717.56	
23 09 23 11-0161		**Rotork "Exeeco" Fitted Gearboxes** *(23 09 23 11-0101)*		
		See CSI section 23 09 23 11-0204 for mounting.		
23 09 23 11-0162	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB2	3,141.47	519.07
23 09 23 11-0163	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB3	3,429.17	519.07
23 09 23 11-0164	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA10, IB4	2,763.05	519.07
23 09 23 11-0165	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB4	2,765.27	519.07
23 09 23 11-0166	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA10, IB5	3,050.74	519.07
23 09 23 11-0167	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB5	3,128.20	519.07
23 09 23 11-0168	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB6	3,767.75	519.07
23 09 23 11-0169	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB6	3,911.60	519.07
23 09 23 11-0170	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB7	4,278.96	519.07
23 09 23 11-0171	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB7	4,420.59	519.07
23 09 23 11-0172	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB8	5,948.04	506.27
23 09 23 11-0173	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB8	6,091.88	506.27
23 09 23 11-0174	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB8	6,262.28	506.27
23 09 23 11-0175	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB9	6,755.78	506.27
23 09 23 11-0176	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB9	6,899.63	506.27
23 09 23 11-0177	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB9	7,070.03	506.27
23 09 23 11-0178	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB10	8,185.81	632.84
23 09 23 11-0179	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB10	8,382.77	632.84
23 09 23 11-0180	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB10	8,446.94	632.84
23 09 23 11-0181	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB11	10,013.75	632.84
23 09 23 11-0182	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB11	10,210.70	632.84
23 09 23 11-0183	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB11	10,274.88	632.84
23 09 23 11-0184	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB12	12,545.42	632.84
23 09 23 11-0185	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB12	12,793.28	632.84
23 09 23 11-0186	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB13	16,068.52	632.84
23 09 23 11-0187	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB13	16,316.37	632.84
23 09 23 11-0188	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB14	31,121.83	759.41
23 09 23 11-0189	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB14	31,369.69	759.41
23 09 23 11-0190	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW3	1,772.44	389.30
23 09 23 11-0191	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW4	2,321.27	389.30
23 09 23 11-0192	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW5	3,021.97	389.30
23 09 23 11-0193	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW52	3,674.81	389.30
23 09 23 11-0194	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW6	4,460.42	389.30
23 09 23 11-0195	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW63	6,230.04	750.65
23 09 23 11-0196	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW7	7,444.97	750.65
23 09 23 11-0197	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW72	8,958.67	750.65
23 09 23 11-0198	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW8	11,219.91	938.31
23 09 23 11-0199	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW82	13,450.61	1,125.98
23 09 23 11-0200	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW9	17,055.59	1,125.98
23 09 23 11-0201	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW10	22,704.05	1,501.30
23 09 23 11-0202	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW11	29,057.58	1,501.30
23 09 23 11-0203	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW12	74,047.87	1,501.30
23 09 23 11-0204		**Mounting Rotork Actuator To Exeeco Gearbox Mounting** *(23 09 23 11-0101)*		
23 09 23 11-0205	EA	Mounting of Rotork Actuators (IQ 10-18) to Exeeco Gearboxes (IW3-IW6 or IB3 to IB6)	734.72	
23 09 23 11-0206	EA	Mounting of Rotork Actuators (IQ 10-18) to Exeeco Gearboxes (IW7-IW12 or IB7 to IB7)	860.86	
23 09 23 11-0207	EA	Mounting of Rotork Actuators (IQ 20-25) to Exeeco Gearboxes (IW6-IW12 or IB6 to IB11)	1,155.19	
23 09 23 11-0208	EA	Mounting of Rotork Actuators (IQ 35-40) to Exeeco Gearboxes (IW6-IW12 or IB6 to IB14)	1,323.37	
23 09 23 11-0209	EA	Mounting of Rotork Actuators (IQ 70-95) to Exeeco Gearboxes (IB10-IB14)	1,715.08	
23 09 23 11-0210		**Electro-Hydraulic Valve Actuators** *(23 09 23 11)*		
		Note: Actuators only.		
23 09 23 11-0211		**Electro-Hydraulic Rotary Actuators, Model 2000** *(23 09 23 11-0210)*		
		Note: Fail set (fail in last position), 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump, hand pump included. Trident Actuator Company.		
23 09 23 11-0212	EA	Valve Torque To 13,000 Lb. (Maximum)	45,769.38	1,297.65
		For 316 Stainless Steel Coupling, Add	*1,080.00*	
23 09 23 11-0213	EA	Valve Torque To 45,000 Lb. (Maximum)	75,200.93	1,622.06
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0214	EA	Valve Torque To 90,000 Lb. (Maximum)	147,803.44	1,944.92
		For 316 Stainless Steel Coupling, Add	*1,440.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0215		Electro-Hydraulic Linear Actuators, Model 3000 *(23 09 23 11-0210)* Note: Fail set (fail in last position), NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump. Trident Actuator Company.		
23 09 23 11-0216	EA	Linear Actuator Stroke To 24" (Maximum)	74,552.10	1,297.65
		For 316 Stainless Steel Coupling, Add	*1,440.00*	
23 09 23 11-0217	EA	Linear Actuator Stroke To 36" (Maximum)	96,787.97	1,622.06
		For 316 Stainless Steel Coupling, Add	*1,440.00*	
23 09 23 11-0218	EA	Linear Actuator Stroke To 48" (Maximum)	126,216.40	1,944.92
		For 316 Stainless Steel Coupling, Add	*1,920.00*	
23 09 23 11-0219	EA	Linear Actuator Stroke To 62" (Maximum)	162,848.56	2,271.80
		For 316 Stainless Steel Coupling, Add	*1,920.00*	
23 09 23 11-0220		Electro-Hydraulic Valve Actuators, Model 2500 *(23 09 23 11-0210)* Note: Fail safe, 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump, hand pump included. Trident Actuator Company.		
23 09 23 11-0221	EA	Valve Torque To 13,000 Lb. (Maximum)	60,160.74	1,297.65
		For 316 Stainless Steel Coupling, Add	*1,080.00*	
23 09 23 11-0222	EA	Valve Torque To 45,000 Lb. (Maximum)	98,946.67	1,622.06
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0223	EA	Valve Torque To 90,000 Lb. (Maximum)	198,173.20	1,944.92
		For 316 Stainless Steel Coupling, Add	*1,440.00*	
23 09 23 11-0224		Electro-Hydraulic Linear Actuators, Model 3500 *(23 09 23 11-0210)* Note: Fail safe, 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump. Trident Actuator Company.		
23 09 23 11-0225	EA	Linear Actuator Stroke To 24" (Maximum)	99,736.98	1,297.65
		For 316 Stainless Steel Coupling, Add	*1,080.00*	
23 09 23 11-0226	EA	Linear Actuator Stroke To 36" (Maximum)	129,168.53	1,622.06
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0227	EA	Linear Actuator Stroke To 48" (Maximum)	176,586.16	1,944.92
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0228	EA	Linear Actuator Stroke To 62" (Maximum)	213,218.32	2,271.80
		For 316 Stainless Steel Coupling, Add	*1,920.00*	
23 09 23 11-0229		Electro-Hydraulic Accessories Trident Actuator Company *(23 09 23 11-0210)*		
23 09 23 11-0230	EA	NEMA 4X Controller, With Push Button (For Model 2000 And 3000)	36,095.94	778.33
23 09 23 11-0231	EA	NEMA 4X Controller, With Push Button (For Model 2500 And 3500)	41,289.16	778.33
23 09 23 11-0232	EA	AB 500 Touch Screen (For Model 2000 And 3000)	11,581.96	162.21
23 09 23 11-0233	EA	AB 500 Touch Screen (For Model 2500 And 3500)	13,568.58	162.21
23 09 23 12		**Control Dampers** *(23 09 23)*		
23 09 23 12-0001		Rectangular Galvanized Volume Control Dampers *(23 09 23 12)* Note: Excludes actuators.		
23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	225.29	43.08
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	253.94	47.25
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	283.94	52.12
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	328.31	61.15
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	371.27	69.49
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	375.49	78.17
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	460.83	86.86
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	550.35	104.22
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	706.73	121.59
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	1,049.36	138.97
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,924.59	156.34
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	2,444.77	173.71
23 09 23 12-0014		Round Galvanized Control Dampers *(23 09 23 12)* Note: Excludes actuators.		
23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	218.90	48.64
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	225.96	52.12
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	235.71	52.12
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	261.67	59.07
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	297.82	59.07
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	323.06	69.49
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	434.04	73.14
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	453.79	75.81
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	481.55	81.73
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	509.88	87.64
23 09 23 12-0025		Remote Damper Control *(23 09 23 12)*		
23 09 23 12-0026	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	317.85	
		For Each 10' Flexible Casing And Wire, Add	*42.60*	
23 09 23 12-0027	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	326.56	
		For Each 10' Flexible Casing And Wire, Add	*42.60*	
23 09 23 13		**Energy Meters** *(23 09 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 13-0001		**Surge Protectors** *(23 09 23 13)*		
23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	366.20	10.39
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	276.43	10.39
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	430.90	10.39
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	232.60	10.39
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	232.60	10.39
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	232.60	10.39
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	336.99	10.39
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	207.54	10.39
23 09 23 14		**Flow Instruments** *(23 09 23)*		
23 09 23 14-0001		Water Flow Meters *(23 09 23 14)*		
23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	5,483.87	114.66
23 09 23 14-0003		Air Flow Monitoring Stations *(23 09 23 14)*		
23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	4,321.20	133.41
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	6,195.80	133.41
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	7,706.19	133.41
23 09 23 16		**Gas Instruments** *(23 09 23)*		
23 09 23 16-0001		Gas Sensors *(23 09 23 16)*		
23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,273.11	62.33
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	1,003.87	41.55
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,806.34	62.33
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	980.14	74.80
23 09 23 19		**Moisture Instruments** *(23 09 23)*		
23 09 23 19-0001		Relative Humidity Sensors *(23 09 23 19)*		
23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	610.06	74.80
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	626.74	74.80
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	709.34	103.88
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	552.43	41.55
23 09 23 21		**Motion Instruments** *(23 09 23)*		
23 09 23 21-0001		Peco Motion Sensors *(23 09 23 21)*		
23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	201.74	29.21
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	197.77	29.21
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	264.50	29.21
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	235.05	29.21
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	73.22	29.21
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	67.73	29.21
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	124.16	29.21
23 09 23 23		**Pressure Instruments** *(23 09 23)*		
23 09 23 23-0001		Pressure Sensors *(23 09 23 23)*		
23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	813.78	87.73
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	724.21	87.73
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	290.77	87.73
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	301.17	87.73
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	321.54	87.73
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	298.16	87.73
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	2,995.43	87.73
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	2,995.43	87.73
23 09 23 23-0010	EA	Magnahelic Gauge	785.57	53.63
23 09 23 23-0011		Room Pressure Monitoring *(23 09 23 23)*		
23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,571.90	69.49
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	5,752.42	69.49
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	454.54	41.69
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	524.13	41.69

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 09 23 27 Temperature Instruments *(23 09 23)*

23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	225.92	74.80
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	315.50	74.80
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	236.23	74.80
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	246.79	74.80
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	250.31	74.80
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	246.84	74.80
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	248.70	74.80
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	266.50	74.80
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	282.05	74.80
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	342.06	103.88
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	354.03	103.88
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	154.48	41.55
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	158.88	41.55
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	147.33	41.55

23 09 23 27-0016 Water Temperature Sensors *(23 09 23 27)*

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	181.82	80.38
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	413.49	80.38

23 09 23 27-0019 Peco Thermostats *(23 09 23 27)*

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	422.80	19.48
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	377.16	19.48

23 09 23 53 Proprietary Control Systems *(23 09 23)*

23 09 23 53-0001 EMCS General Costs *(23 09 23 53)*

23 09 23 53-0002 EMCS System Design Services *(23 09 23 53-0001)*

Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	240.23	
23 09 23 53-0004	HR	EMCS Engineering Project Management	240.23	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	253.22	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	207.77	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	217.51	
23 09 23 53-0008	HR	EMCS System Controls Training	227.25	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	233.74	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	201.27	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	194.78	

23 09 23 53-0012 Field Tests, Checkout And Commissioning *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0013	PNT	EMCS Field Test Note: Priced per point.	170.50	
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point.	170.50	
23 09 23 53-0015	PNT	EMCS Field Commissioning Note: Priced per point.	170.50	
23 09 23 53-0016	EA	EMCS Field Balance Support Note: Priced per controller.	146.08	

23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	56.87	

23 09 23 53-0019 Alerton Controls *(23 09 23 53)*

23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	13,057.45	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	17,109.25	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	45,094.77	
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	33,535.54	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	88,289.77	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	69,380.09	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	106,541.16	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	2,838.39	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	39,692.34	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	28,723.23	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	17,024.10	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	10,070.29	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	3,754.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	7,155.36	311.65
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	10,646.10	415.53
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	10,497.65	415.53
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	3,565.90	311.65
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	4,435.89	311.65
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	3,298.20	311.65
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	4,236.35	311.65
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	10,769.13	311.65
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	4,456.44	415.53
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX)	9,941.04	831.07
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	11,845.29	831.07
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,593.05	92.53
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	2,805.43	311.65
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	3,006.20	311.65
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	2,312.65	311.65
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	2,592.51	311.65
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	2,580.34	311.65
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	4,186.47	311.65
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	3,080.43	311.65
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	4,718.07	415.53
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	2,045.11	207.77
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	1,964.79	207.77
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	2,610.75	311.65
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	2,610.75	311.65
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	3,259.28	311.65
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	6,848.61	415.53
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	2,726.34	311.65
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	202.73	11.68
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	344.36	11.68
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	918.67	11.68
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	918.67	11.68
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	709.41	11.68
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	222.70	11.68
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	971.00	11.68
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	1,092.69	11.68
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	4,174.30	311.65
23 09 23 53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	4,473.60	311.65
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	4,215.67	311.65
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	11,024.23	
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM)	6,006.33	311.65
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,304.90	173.35
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,071.31	
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,227.53	11.68

23 09 23 53-0076 Automated Logic Controls *(23 09 23 53)*

23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	4,778.61	311.65
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	10,248.47	934.96
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	3,118.89	311.65
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	7,032.08	415.53
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	6,908.22	415.53
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	10,843.79	831.07
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	6,103.13	415.53
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	6,314.47	311.65
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	10,100.63	831.07
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	2,012.79	207.77
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	2,150.06	207.77
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	3,655.38	207.77
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	3,516.04	207.77
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	2,796.85	311.65
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	19,342.17	
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	11,786.71	
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	16,521.34	

23 09 23 53-0094 Cypress Envirosystems Controls *(23 09 23 53)*

23 09 23 53-0095 Wireless Pneumatic Thermostat *(23 09 23 53-0094)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP) Note: One for every thermostat to be retrofitted.	569.03	12.99
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP) Note: One for every thermostat to be retrofitted.	569.03	12.99
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP) Note: One for every thermostat to be retrofitted.	569.03	12.99
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP) Note: One for every thermostat to be retrofitted.	569.03	12.99
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB) Note: One for every thermostat to be retrofitted.	647.33	12.99
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB) Note: One for every thermostat to be retrofitted.	647.33	12.99
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted.	647.33	12.99
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB) Note: One for every thermostat to be retrofitted.	647.33	12.99
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV) Note: Optional cover.	46.56	12.99
		For >50 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-3.73*	
23 09 23 53-0105	EA	Green Box Controller (Cypress Envirosystems GBC-830-COM) Note: One unit for up to 100 thermostats.	5,124.79	12.99
		For 2, Deduct	*-256.06*	
		For >2, Deduct	*-511.66*	
23 09 23 53-0106	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats.	493.49	12.99
		For 2, Deduct	*-26.72*	
		For >2, Deduct	*-53.38*	
23 09 23 53-0107	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL) Note: One unit for up to 15 thermostats.	858.62	12.99
		For >5 To 10, Deduct	*-44.13*	
		For >10, Deduct	*-88.18*	
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats.	1,052.83	12.99
		For >5 To 10, Deduct	*-51.32*	
		For >10, Deduct	*-102.54*	

23 09 23 53-0109 Delta Controls *(23 09 23 53)*

23 09 23 53-0110 Software *(23 09 23 53-0109)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,581.35	
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,352.94	
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,431.37	
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	14,914.68	
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,659.78	
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,581.35	
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,208.80	
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,659.78	
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,710.39	129.86
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	2,953.91	

23 09 23 53-0121 EMCS Central Equipment And Controllers *(23 09 23 53-0109)*

23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	9,353.49	519.41
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	7,031.92	519.41
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,098.49	519.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	5,098.49	519.41
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,098.49	519.41
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	4,744.92	519.41
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,680.90	259.71
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,524.92	259.71
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,628.41	259.71
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,524.92	259.71
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,620.12	324.63
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	899.75	129.86
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	965.51	129.86
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	1,136.08	129.86
23 09 23 53-0136		**Network, VAV And Special Sensors** *(23 09 23 53-0109)*		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	299.66	41.55
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	407.07	46.75
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	803.25	19.48
23 09 23 53-0140		**Honeywell Controls** *(23 09 23 53)*		
23 09 23 53-0141		**EMCS Central Equipment And Controllers** *(23 09 23 53-0140)*		
23 09 23 53-0142		**EMCS Network Area Controllers (BACnet Or Lon)** *(23 09 23 53-0141)*		
		Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)	12,878.48	633.04
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)	8,787.85	633.04
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)	6,714.12	633.04
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)	8,364.32	633.04
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)	6,657.31	633.04
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)	6,657.31	633.04
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.		
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)	7,228.03	633.04
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)	7,827.17	633.04
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)	7,228.03	633.04
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)	7,827.17	633.04
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)	7,832.33	633.04
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,431.47	633.04
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,832.33	633.04
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,431.47	633.04
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,335.91	633.04
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	10,337.33	633.04
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	10,954.54	633.04
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	12,955.95	633.04
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	10,982.95	633.04
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	14,797.25	633.04
23 09 23 53-0163		**EMCS Network Interfaces** *(23 09 23 53-0141)* Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,859.62	175.30
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,582.00	116.87
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	2,018.61	219.20
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	3,091.62	316.59
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,596.37	316.59
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	115.72	38.96
23 09 23 53-0170		**DDC Application Specific Controller Assemblies** *(23 09 23 53-0141)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,965.61	715.86
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,478.66	423.69
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,170.14	838.58
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,683.18	546.40
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,503.49	876.60
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,138.21	656.81
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,722.60	1,008.08
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,328.06	771.47
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,625.20	715.76
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,138.25	423.69
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,893.09	876.60
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,406.01	584.35
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,503.94	727.55
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,007.25	594.73
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,771.82	1,008.06
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,275.01	670.05
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,427.04	1,008.06
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	3,983.98	644.08
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,962.83	1,008.06
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,519.64	754.46
23 09 23 53-0191		**DDC Programmable Controller Assemblies** *(23 09 23 53-0141)* Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,013.31	774.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,502.97	774.32
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,699.86	910.67
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,189.52	910.67
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,579.49	1,066.50
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	9,145.52	1,066.50
23 09 23 53-0198		EMCS Optional DDC Controller Hardware *(23 09 23 53-0141)*		
		Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005)	588.80	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011)	680.48	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001)	712.76	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	672.73	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	683.06	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	667.57	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	574.60	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	499.71	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	732.13	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	654.66	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	723.09	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,535.28	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,909.74	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	954.22	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	940.02	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	460.97	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	524.24	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	968.43	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,035.57	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	648.20	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	648.20	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	648.20	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	648.20	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	114.92	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	216.93	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	213.05	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	652.07	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	96.84	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	652.07	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	600.42	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	600.42	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	632.71	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	632.71	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	910.32	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16)	1,074.31	
		Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)	2,282.90	
		Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
23 09 23 53-0235		EMCS Software *(23 09 23 53-0140)*		
23 09 23 53-0236		Software Packages And License *(23 09 23 53-0235)*		
		Note: Includes installation on equipment.		
23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB)	728.26	
		Note: Requires UI services to be installed on NAC.		
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX)	2,769.94	
		Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX)	8,134.78	
		Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS)	4,842.13	
		Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software	5,481.53	
		Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)	3,835.75	
		Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 53-0243	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX)	6,863.70	
		Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX)	865.91	
		Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0245	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX)	562.47	
		Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters	37,342.01	
		Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX)	34,059.07	
		Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	12,971.75	
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,679.10	
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	2,798.11	
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,798.11	
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	19,368.52	
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	2,582.47	
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,798.11	
23 09 23 53-0255	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	7,317.43	
23 09 23 53-0256	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	2,798.11	
23 09 23 53-0257	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	46,915.73	
23 09 23 53-0258	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	86,082.76	
23 09 23 53-0259	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	150,644.51	
23 09 23 53-0260	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,747.41	
23 09 23 53-0261	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,873.70	
23 09 23 53-0262	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	3,040.35	
23 09 23 53-0263	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	3,350.99	

23 09 23 53-0264 Initial Database Generation *(23 09 23 53-0235)*

23 09 23 53-0265	PNT	Database Generation For Central Plant	87.13	
23 09 23 53-0266	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	87.13	
23 09 23 53-0267	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	87.13	
23 09 23 53-0268	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	60.64	
23 09 23 53-0269	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	60.64	

23 09 23 53-0270 Application Software Programs *(23 09 23 53-0235)*

23 09 23 53-0271	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	121.55	
23 09 23 53-0272	EA	Duty Cycling Program	57.40	
23 09 23 53-0273	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	106.61	

23 09 23 53-0274 Color Graphics Generation *(23 09 23 53-0235)*

Note: Priced per page.

23 09 23 53-0275	EA	Single Site Home Page Graphics Page With HTML Navigation Code	2,178.71	
23 09 23 53-0276	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	3,868.22	
23 09 23 53-0277	EA	Color Graphics Page For Central Plant	989.88	
23 09 23 53-0278	EA	Color Graphics Page For Building Floor Plan	914.05	
23 09 23 53-0279	EA	Replication Of Color Graphics Page For Central Plant	496.56	
23 09 23 53-0280	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	1,113.63	
23 09 23 53-0281	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	238.15	
23 09 23 53-0282	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	1,030.01	
23 09 23 53-0283	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	102.98	

23 09 23 53-0284 Sensors, Actuators And Control Devices *(23 09 23 53-0140)*

Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.

23 09 23 53-0285 Special Sensors *(23 09 23 53-0284)*

23 09 23 53-0286	EA	Dewpoint Sensor (Honeywell C7232B1014)	2,318.33	80.38
23 09 23 53-0287	EA	Enthalpy Sensor -25 To 125 F	2,419.49	80.38
23 09 23 53-0288	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,082.81	160.76
23 09 23 53-0289	EA	Freezestat (Honeywell L482A1004)	742.71	267.89
23 09 23 53-0290	EA	Wall Mounted Occupancy Sensor	536.71	80.38
23 09 23 53-0291	EA	Ceiling Mounted Occupancy Sensor	425.19	80.38
23 09 23 53-0292	EA	I/P Positioner With Gauge	500.99	80.38
23 09 23 53-0293	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	599.62	80.38
23 09 23 53-0294	EA	EP Transducer	500.99	53.63
23 09 23 53-0295	EA	Electric Heat Sequencer	793.71	107.13

23 09 23 53-0296 Meters *(23 09 23 53-0284)*

23 09 23 53-0297	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	5,110.96	642.78
23 09 23 53-0298	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	7,409.34	749.91
23 09 23 53-0299	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,772.45	267.89
23 09 23 53-0300	EA	300 To 800 Amperes, Current Transformer For KW Meter	2,033.08	267.89
23 09 23 53-0301	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	2,532.92	267.89

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0302		Direct Coupled Actuators *(23 09 23 53-0284)*		
23 09 23 53-0303	EA	44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	720.76	114.65
23 09 23 53-0304	EA	88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	794.19	114.65
23 09 23 53-0305	EA	175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	920.44	114.65
23 09 23 53-0306	EA	44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	677.79	114.65
23 09 23 53-0307	EA	88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	756.76	114.65
23 09 23 53-0308	EA	175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	834.96	114.65
23 09 23 53-0309	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	761.08	114.65
23 09 23 53-0310	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	873.68	114.65
23 09 23 53-0311	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	995.21	114.65
23 09 23 53-0312	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	619.21	114.65
23 09 23 53-0313	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	679.17	114.65
23 09 23 53-0314	EA	175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	799.62	114.65
23 09 23 53-0315	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	856.32	114.65
23 09 23 53-0316	EA	300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	855.61	114.65
23 09 23 53-0317	EA	300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	1,011.09	114.65
23 09 23 53-0318	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	643.78	114.65
23 09 23 53-0319	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	1,125.58	114.65
23 09 23 53-0320	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	485.31	114.65
23 09 23 53-0321	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	738.32	114.65
23 09 23 53-0322		Plastic, Two Way, Pneumatic Activated *(23 09 23 53-0284)*		
23 09 23 53-0323		Polyvinyl Chloride (PVC) Butterfly Valve With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 09 23 53-0322)*		
		Note: With NEMA 4X housing.		
23 09 23 53-0324	EA	1-1/2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,671.62	40.87
		For Low Pressure Steam, Add	*258.99*	
23 09 23 53-0325	EA	2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,687.17	48.66
		For Low Pressure Steam, Add	*258.99*	
23 09 23 53-0326	EA	3" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,912.96	129.77
		For Low Pressure Steam, Add	*265.39*	
23 09 23 53-0327	EA	4" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,995.02	194.65
		For Low Pressure Steam, Add	*260.51*	
23 09 23 53-0328	EA	6" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,280.38	259.53
		For Low Pressure Steam, Add	*276.05*	
23 09 23 53-0329	EA	8" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,797.96	291.97
		For Low Pressure Steam, Add	*321.45*	
23 09 23 53-0330		Polyvinyl Chloride (PVC) Butterfly Valve With Viton Liner And Seals *(23 09 23 53-0322)*		
		Note: With NEMA 4X housing.		
23 09 23 53-0331	EA	1-1/2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,741.70	40.87
		For Low Pressure Steam, Add	*265.99*	
23 09 23 53-0332	EA	2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,757.25	48.66
		For Low Pressure Steam, Add	*265.99*	
23 09 23 53-0333	EA	3" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,979.99	129.77
		For Low Pressure Steam, Add	*272.09*	
23 09 23 53-0334	EA	4" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,311.90	194.65
		For Low Pressure Steam, Add	*292.20*	
23 09 23 53-0335	EA	6" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,358.98	259.53
		For Low Pressure Steam, Add	*383.91*	
23 09 23 53-0336	EA	8" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	5,601.72	291.97
		For Low Pressure Steam, Add	*501.82*	
23 09 23 53-0337		Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0322)*		
		Note: With NEMA 4X housing.		
23 09 23 53-0338	EA	1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,515.25	68.77
		For Low Pressure Steam, Add	*137.72*	
23 09 23 53-0339	EA	3/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,597.30	81.10
		For Low Pressure Steam, Add	*143.51*	
23 09 23 53-0340	EA	1" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,678.36	92.78
		For Low Pressure Steam, Add	*149.30*	
23 09 23 53-0341	EA	1-1/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,043.03	98.62
		For Low Pressure Steam, Add	*184.64*	
23 09 23 53-0342	EA	1-1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,062.70	108.35
		For Low Pressure Steam, Add	*184.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0343	EA	2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,470.74	124.58
		For Low Pressure Steam, Add	*222.12*	

23 09 23 53-0344 Chlorinated Polyvinyl Chloride (CPVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0322)*

Note: With NEMA 4X housing.

23 09 23 53-0345	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	1,685.88	68.77
		For Low Pressure Steam, Add	*154.78*	
23 09 23 53-0346	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	1,798.40	81.10
		For Low Pressure Steam, Add	*163.62*	
23 09 23 53-0347	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	1,897.74	92.78
		For Low Pressure Steam, Add	*171.24*	
23 09 23 53-0348	EA	1-1/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,335.53	98.62
		For Low Pressure Steam, Add	*213.89*	
23 09 23 53-0349	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,355.20	108.35
		For Low Pressure Steam, Add	*213.89*	
23 09 23 53-0350	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,723.63	124.58
		For Low Pressure Steam, Add	*247.41*	

23 09 23 53-0351 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0322)*

Note: With VITON seals.

23 09 23 53-0352	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	670.43	68.77
		For Low Pressure Steam, Add	*53.29*	
23 09 23 53-0353	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	748.19	81.10
		For Low Pressure Steam, Add	*58.60*	
23 09 23 53-0354	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	817.07	92.78
		For Low Pressure Steam, Add	*63.15*	
23 09 23 53-0355	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,072.09	97.97
		For Low Pressure Steam, Add	*87.61*	
23 09 23 53-0356	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,078.57	101.21
		For Low Pressure Steam, Add	*87.61*	
23 09 23 53-0357	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,351.84	117.44
		For Low Pressure Steam, Add	*111.70*	

23 09 23 53-0358 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0322)*

Note: With PTFE seals.

23 09 23 53-0359	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	717.84	68.77
		For Low Pressure Steam, Add	*58.03*	
23 09 23 53-0360	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	791.82	81.10
		For Low Pressure Steam, Add	*62.96*	
23 09 23 53-0361	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	858.78	92.78
		For Low Pressure Steam, Add	*67.32*	
23 09 23 53-0362	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,102.43	97.97
		For Low Pressure Steam, Add	*90.65*	
23 09 23 53-0363	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,108.91	101.21
		For Low Pressure Steam, Add	*90.65*	
23 09 23 53-0364	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,372.71	117.44
		For Low Pressure Steam, Add	*113.78*	

23 09 23 53-0365 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0322)*

Note: With ethylene propylene diene monomer (EPDM) seals.

23 09 23 53-0366	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	600.29	68.77
		For Low Pressure Steam, Add	*46.27*	
23 09 23 53-0367	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	660.96	81.10
		For Low Pressure Steam, Add	*49.88*	
23 09 23 53-0368	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	720.36	92.78
		For Low Pressure Steam, Add	*53.48*	
23 09 23 53-0369	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	954.51	97.97
		For Low Pressure Steam, Add	*75.86*	
23 09 23 53-0370	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	960.99	101.21
		For Low Pressure Steam, Add	*75.86*	
23 09 23 53-0371	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	1,205.84	117.44
		For Low Pressure Steam, Add	*97.10*	

23 09 23 53-0372 Three-Way Modular Polyvinyl Chloride (PVC) Ball Valve *(23 09 23 53-0322)*

Note: Equipped for actuator.

23 09 23 53-0373	EA	1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	142.08	23.36
23 09 23 53-0374	EA	3/4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	165.42	28.54
23 09 23 53-0375	EA	1" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	178.44	30.50
23 09 23 53-0376	EA	1-1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	329.80	46.07
23 09 23 53-0377	EA	2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	506.56	94.08
23 09 23 53-0378	EA	3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	1,027.35	129.77
23 09 23 53-0379	EA	4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	1,903.58	194.65
23 09 23 53-0380	EA	2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	771.64	94.08
23 09 23 53-0381	EA	3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	1,503.99	220.61
23 09 23 53-0382	EA	4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	2,721.20	369.83

23 09 23 53-0383 Electric Activated Plastic Control Valves *(23 09 23 53-0284)*

Note: Includes motor.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0384		Two Way Plastic Electric Control Valves With Electric Actuator *(23 09 23 53-0383)* Note: With NEMA 4X housing.		
23 09 23 53-0385		Two Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0384)*		
23 09 23 53-0386	EA	1/2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	795.40	21.41
23 09 23 53-0387	EA	3/4" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	819.73	25.96
23 09 23 53-0388	EA	1" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	854.09	27.90
23 09 23 53-0389	EA	1-1/4" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	910.52	40.87
23 09 23 53-0390	EA	1-1/2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	910.52	40.87
23 09 23 53-0391	EA	2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	993.10	48.66
23 09 23 53-0392		Two Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0384)*		
23 09 23 53-0393	EA	1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	850.25	21.41
23 09 23 53-0394	EA	3/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	874.57	25.96
23 09 23 53-0395	EA	1" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	930.26	27.90
23 09 23 53-0396	EA	1-1/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	998.88	40.87
23 09 23 53-0397	EA	1-1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	998.88	40.87
23 09 23 53-0398	EA	2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,105.83	48.66
23 09 23 53-0399		Three Way Plastic Electric Control Valves With Electric Actuator *(23 09 23 53-0383)* Note: With NEMA 4X housing.		
23 09 23 53-0400		Three Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0399)*		
23 09 23 53-0401	EA	1/2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	854.15	23.36
23 09 23 53-0402	EA	3/4" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	879.76	28.54
23 09 23 53-0403	EA	1" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	923.25	30.50
23 09 23 53-0404	EA	1-1/2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,097.60	46.07
23 09 23 53-0405	EA	2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,337.29	94.08
23 09 23 53-0406		Three Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0399)*		
23 09 23 53-0407	EA	1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	899.85	23.36
23 09 23 53-0408	EA	3/4" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	937.65	28.54
23 09 23 53-0409	EA	1" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	987.24	30.50
23 09 23 53-0410	EA	1-1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,192.05	46.07
23 09 23 53-0411	EA	2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,474.40	94.08
23 09 23 53-0412		Two Way Plastic Electric Control Butterfly Valves *(23 09 23 53-0383)* Note: Includes electric actuator. With NEMA 4X housing.		
23 09 23 53-0413		Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 09 23 53-0412)*		
23 09 23 53-0414	EA	1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,769.13	40.87
23 09 23 53-0415	EA	2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,784.68	48.66
23 09 23 53-0416	EA	3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,979.99	129.77
23 09 23 53-0417	EA	4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,619.63	194.65
23 09 23 53-0418	EA	6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	4,017.73	259.53
23 09 23 53-0419	EA	8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	4,535.31	291.97
23 09 23 53-0420		Polyvinyl Chloride (PVC) With Viton Liner And Seals *(23 09 23 53-0412)*		
23 09 23 53-0421	EA	1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,113.43	40.87
23 09 23 53-0422	EA	2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,128.98	48.66
23 09 23 53-0423	EA	3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,351.71	129.77
23 09 23 53-0424	EA	4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,149.79	194.65
23 09 23 53-0425	EA	6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,913.52	259.53
23 09 23 53-0426	EA	8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	6,034.38	291.97
23 09 23 53-0427		Thermostats *(23 09 23 53-0140)*		
23 09 23 53-0428		Electric And Electronic Thermostats *(23 09 23 53-0427)* Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0429	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	235.20	19.48
23 09 23 53-0430	EA	Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	253.81	19.48
23 09 23 53-0431	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	233.13	19.48
23 09 23 53-0432	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	261.46	19.48
23 09 23 53-0433	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	282.75	19.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0434	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	419.21	19.48
23 09 23 53-0435	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	613.55	19.48
23 09 23 53-0436	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	997.80	19.48
23 09 23 53-0437	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,064.56	19.48
23 09 23 53-0438		**Pneumatic Thermostats** *(23 09 23 53-0427)* Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0439	EA	Pneumatic Thermostat (Honeywell TP970B2182)	329.18	19.48
23 09 23 53-0440		**Thermostats Guards** *(23 09 23 53-0427)*		
23 09 23 53-0441	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	79.17	19.48
23 09 23 53-0442	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	94.68	19.48
23 09 23 53-0443	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	89.10	19.48
23 09 23 53-0444		**Johnson Controls** *(23 09 23 53)*		
23 09 23 53-0445		**Software** *(23 09 23 53-0444)* Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0446	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	21,029.25	
23 09 23 53-0447	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	24,872.16	
23 09 23 53-0448	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	1,217.39	
23 09 23 53-0449	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,850.71	
23 09 23 53-0450	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,287.40	
23 09 23 53-0451	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	1,228.11	
23 09 23 53-0452	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	1,220.89	
23 09 23 53-0453	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	437.54	
23 09 23 53-0454		**Supervisory Controllers** *(23 09 23 53-0444)*		
23 09 23 53-0455	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	9,112.81	519.41
23 09 23 53-0456	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	14,180.94	519.41
23 09 23 53-0457	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	19,260.31	519.41
23 09 23 53-0458	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	7,160.59	519.41
23 09 23 53-0459		**Controllers** *(23 09 23 53-0444)*		
23 09 23 53-0460	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	1,057.98	129.86
23 09 23 53-0461	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,395.92	259.71
23 09 23 53-0462	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,814.40	259.71
23 09 23 53-0463	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	2,152.33	259.71
23 09 23 53-0464	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	864.10	129.86
23 09 23 53-0465	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	950.27	129.86
23 09 23 53-0466	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	1,079.53	129.86
23 09 23 53-0467	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	1,096.76	129.86
23 09 23 53-0468	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	2,240.25	259.71
23 09 23 53-0469	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	1,073.65	129.86
23 09 23 53-0470	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications	1,565.08	129.86
23 09 23 53-0471		**Master FX Controllers** *(23 09 23 53-0444)*		
23 09 23 53-0472	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	2,833.01	259.71
23 09 23 53-0473	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	3,037.21	259.71
23 09 23 53-0474	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	3,138.68	259.71
23 09 23 53-0475	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	3,077.01	259.71
23 09 23 53-0476	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	2,980.64	259.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0477	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	2,996.09	259.71
23 09 23 53-0478	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	2,980.64	259.71
23 09 23 53-0479	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	3,037.43	259.71
23 09 23 53-0480	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	3,213.78	259.71
23 09 23 53-0481	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	3,331.34	259.71
23 09 23 53-0482	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	3,272.56	259.71
23 09 23 53-0483	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	3,152.23	259.71
23 09 23 53-0484	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	3,037.43	259.71
23 09 23 53-0485	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	3,213.78	259.71
23 09 23 53-0486	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	3,331.34	259.71
23 09 23 53-0487	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	3,272.56	259.71
23 09 23 53-0488	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	3,152.23	259.71
23 09 23 53-0489	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	338.15	64.92
23 09 23 53-0490	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	482.82	64.92
23 09 23 53-0491	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	378.76	64.92
23 09 23 53-0492	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	338.15	64.92
23 09 23 53-0493	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	936.49	64.92
23 09 23 53-0494	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	862.07	64.92
23 09 23 53-0495	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	879.49	64.92
23 09 23 53-0496	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	879.49	64.92
23 09 23 53-0497	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	966.53	64.92
23 09 23 53-0498	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	966.53	64.92
23 09 23 53-0499	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,216.76	64.92
23 09 23 53-0500	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,216.76	64.92
23 09 23 53-0501	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,358.20	64.92
23 09 23 53-0502	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,358.20	64.92
23 09 23 53-0503		**VAV, Network And Special Sensors** *(23 09 23 53-0444)*		
23 09 23 53-0504	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	640.90	41.55
23 09 23 53-0505	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	213.59	41.55
23 09 23 53-0506	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	495.73	41.55
23 09 23 53-0507	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	742.14	41.55
23 09 23 53-0508	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	245.59	41.55
23 09 23 53-0509	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	672.66	41.55
23 09 23 53-0510		**Sensors - Hard Wired Type** *(23 09 23 53-0444)*		
23 09 23 53-0511	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	206.29	74.80
23 09 23 53-0512	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	177.01	41.55
23 09 23 53-0513	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	498.57	19.48
23 09 23 53-0514	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	675.42	19.48
23 09 23 53-0515	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	499.54	19.48
23 09 23 53-0516	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	656.88	41.55
23 09 23 53-0517	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	809.93	41.55
23 09 23 53-0518		**Melink Intelli-Hood IH3 Controls** *(23 09 23 53)*		
23 09 23 53-0519		**Kitchen Ventilation Controllers** *(23 09 23 53-0518)*		
23 09 23 53-0520	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001) Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	10,592.18	519.41
23 09 23 53-0521	EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001) Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	2,011.33	107.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0522	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001) Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	3,275.28	432.41
23 09 23 53-0523		**Kitchen Ventilation Sensors** *(23 09 23 53-0518)*		
23 09 23 53-0524	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	592.67	74.80
23 09 23 53-0525	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	5,095.03	415.53
23 09 23 53-0526		**Siemens Controls** *(23 09 23 53)*		
23 09 23 53-0527	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	480.67	19.48
23 09 23 53-0528	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	339.00	19.48
23 09 23 53-0529	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	348.92	87.73
23 09 23 53-0530	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	530.10	87.73
23 09 23 53-0531	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	81.40	12.99
23 09 23 53-0532	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	272.26	129.86
23 09 23 53-0533	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	443.94	22.57
23 09 23 53-0534	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	783.04	40.98
23 09 23 53-0535	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,577.46	40.98
23 09 23 53-0536	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,333.77	51.91
23 09 23 53-0537	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	349.59	74.80
23 09 23 53-0538	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	294.11	41.55
23 09 23 53-0539	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	641.92	61.29
23 09 23 53-0540	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	116.98	6.49
23 09 23 53-0541	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	1,038.06	124.66
23 09 23 53-0542	EA	MMI Extension Cable (Siemens 545-712)	255.31	6.49
23 09 23 53-0543	EA	Remote Pressure Transmitter (Siemens 547-003)	1,545.18	41.55
23 09 23 53-0544	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	948.46	31.16
23 09 23 53-0545	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	822.82	83.11
23 09 23 53-0546	EA	Door Lock And Key Assembly (Siemens 567-225)	45.40	25.97
23 09 23 53-0547	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	15,676.35	
23 09 23 53-0548	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	557.42	
23 09 23 53-0549	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,453.49	
23 09 23 53-0550	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	521.42	13.63
23 09 23 53-0551	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	1,097.63	23.61
23 09 23 53-0552	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	10,293.02	51.95
23 09 23 53-0553	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,127.12	51.95
23 09 23 53-0554	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	188.72	19.48
23 09 23 53-0555	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	479.64	55.59
23 09 23 53-0556	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	511.45	55.59
23 09 23 53-0557	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,552.69	
23 09 23 53-0558	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	919.31	
23 09 23 53-0559	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	2,958.71	
23 09 23 53-0560	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	2,118.02	
23 09 23 53-0561	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,820.76	
23 09 23 53-0562	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,382.98	
23 09 23 53-0563	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	856.49	2.60
23 09 23 53-0564	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	955.81	10.39
23 09 23 53-0565	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	484.52	2.60
23 09 23 53-0566	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	480.07	72.72
23 09 23 53-0567	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	837.08	72.72
23 09 23 53-0568	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,173.98	83.11
23 09 23 53-0569	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	43.18	12.99
23 09 23 53-0570	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	844.71	32.47
23 09 23 53-0571	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,355.59	32.47
23 09 23 53-0572	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,032.93	32.47
23 09 23 53-0573	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,570.72	32.47
23 09 23 53-0574	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,596.08	64.92
23 09 23 53-0575	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	5,944.71	64.92
23 09 23 53-0576	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	6,772.69	64.92
23 09 23 53-0577	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,863.00	64.92
23 09 23 53-0578	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,227.71	64.92
23 09 23 53-0579	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	1,986.06	64.92
23 09 23 53-0580	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,716.67	64.92

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23 09 23 53-0581	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,968.49	64.92
23 09 23 53-0582	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,906.02	64.92
23 09 23 53-0583	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,131.65	64.92
23 09 23 53-0584	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,900.33	64.92
23 09 23 53-0585	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,130.11	64.92
23 09 23 53-0586	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,034.66	64.92
23 09 23 53-0587	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,051.02	64.92
23 09 23 53-0588	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,365.84	
23 09 23 53-0589	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	544.24	32.47
23 09 23 53-0590	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	396.76	32.47
23 09 23 53-0591	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3) Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	903.80	25.97
23 09 23 53-0592	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	306.62	32.47
23 09 23 53-0593	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	299.54	41.55
23 09 23 53-0594	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	149.29	32.47
23 09 23 53-0595	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	111.57	32.47
23 09 23 53-0596	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	328.39	64.92
23 09 23 53-0597	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	210.13	48.69
23 09 23 53-0598	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,677.58	418.39
23 09 23 53-0599	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	39.32	12.99
23 09 23 53-0600	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.89	
23 09 23 53-0601	EA	16 Digital Input Module (Siemens TXM1.16D)	677.27	12.99
23 09 23 53-0602	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,025.24	12.99
23 09 23 53-0603	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,646.21	25.97
23 09 23 53-0604	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	503.09	7.79

23 09 23 53-0605 Trane Controls *(23 09 23 53)*

23 09 23 53-0606 Software *(23 09 23 53-0605)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0607	EA	Summit + Building Management Package (Trane 40201152)	7,786.58	
23 09 23 53-0608	EA	Summit Current Version Software (Trane 40201111)	4,398.96	
23 09 23 53-0609	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	1,061.83	
23 09 23 53-0610	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	4,372.46	
23 09 23 53-0611	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	12,077.46	

23 09 23 53-0612 EMCS Central Equipment And Controllers *(23 09 23 53-0605)*

23 09 23 53-0613	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	6,766.65	519.41
23 09 23 53-0614	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	15,384.29	519.41
23 09 23 53-0615	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	15,384.29	519.41
23 09 23 53-0616	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	13,513.10	519.41
23 09 23 53-0617	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	15,688.72	519.41
23 09 23 53-0618	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	238.18	32.47
23 09 23 53-0619	EA	Summit Comm5 Repeater (Trane 49500457)	1,837.37	259.71
23 09 23 53-0620	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	3,122.74	324.63
23 09 23 53-0621	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	4,006.99	389.57
23 09 23 53-0622	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	3,142.33	389.57
23 09 23 53-0623	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	2,654.50	389.57
23 09 23 53-0624	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	2,651.81	389.57
23 09 23 53-0625	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	1,196.77	129.86
23 09 23 53-0626	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	1,089.29	129.86
23 09 23 53-0627	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,963.74	259.71
23 09 23 53-0628	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,874.60	259.71
23 09 23 53-0629	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	1,049.92	129.86
23 09 23 53-0630	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	920.50	129.86
23 09 23 53-0631	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	1,368.38	129.86
23 09 23 53-0632	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	1,239.67	129.86
23 09 23 53-0633	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	1,061.44	129.86
23 09 23 53-0634	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	1,012.02	129.86
23 09 23 53-0635	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	1,163.78	129.86
23 09 23 53-0636	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	1,061.44	129.86
23 09 23 53-0637	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,476.72	259.71
23 09 23 53-0638	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,604.00	259.71

23 09 23 53-0639 Network, VAV And Special Sensors *(23 09 23 53-0605)*

23 09 23 53-0640	EA	Digital Display Zone Sensor (Trane X13790464010)	250.53	41.55
23 09 23 53-0641	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	167.16	41.55
23 09 23 53-0642	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	153.10	41.55
23 09 23 53-0643	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	308.72	46.75
23 09 23 53-0644	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	186.38	41.55
23 09 23 53-0645	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	186.38	41.55
23 09 23 53-0646	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	650.04	74.80
23 09 23 53-0647	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	595.06	41.55
23 09 23 53-0648	EA	Transformer 120/24 40 VA (Trane X13550284010)	146.07	41.55
23 09 23 53-0649	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	141.04	41.55
23 09 23 53-0650	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	133.01	41.55
23 09 23 53-0651	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,655.71	259.71
23 09 23 53-0652	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,587.04	259.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0653	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,443.75	259.71
23 09 23 53-0654	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,574.29	389.57
23 09 23 53-0655	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,443.75	259.71
23 09 23 53-0656	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,516.43	259.71
23 09 23 53-0657	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,522.10	259.71
23 09 23 53-0658	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	552.14	258.61
23 09 23 53-0659	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	794.05	258.61
23 09 23 53-0660	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,878.64	389.57
23 09 23 53-0661	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,768.15	389.57
23 09 23 53-0662	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	171.18	51.75
23 09 23 53-0663	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	615.60	51.75
23 09 23 53-0664	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	2,946.94	389.57
23 09 23 53-0665	EA	BACnet Term (2 Pack) (Trane X1365152401)	272.08	93.10
23 09 23 53-0666	EA	Tracer ES Add License (Trane X40250125010)	3,538.15	
23 09 23 53-0667	EA	Kit - Tracer TU For Controls (Trane X4509151201)	5,396.38	519.41
23 09 23 53-0668	EA	Kit - Tracer TU Complete (Trane X4509151301)	7,079.84	519.41
23 09 23 53-0669	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	697.97	93.10
23 09 23 53-0670	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	401.66	93.10
23 09 23 53-0671	EA	Sensor Wireless Display Sensor (Trane X13790822010)	453.89	93.10
23 09 23 53-0672	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	406.68	93.10
23 09 23 53-0673	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	551.17	93.10
23 09 23 53-0674	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	600.38	93.10

23 09 23 53-0675 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*

23 09 23 53-0676 Current Switches And Current Sensors *(23 09 23 53-0675)*

23 09 23 53-0677	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	156.11	41.55
23 09 23 53-0678	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	162.14	41.55
23 09 23 53-0679	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	250.53	41.55
23 09 23 53-0680	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	148.08	41.55
23 09 23 53-0681	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	455.44	41.55
23 09 23 53-0682	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	290.45	41.55
23 09 23 53-0683	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	221.58	41.55
23 09 23 53-0684	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	221.58	41.55
23 09 23 53-0685	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	5,946.24	207.77
23 09 23 53-0686	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	1,511.52	41.55
23 09 23 53-0687	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	2,297.60	41.55
23 09 23 53-0688	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	237.75	41.55
23 09 23 53-0689	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	355.09	110.38
23 09 23 53-0690	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	355.58	110.38
23 09 23 53-0691	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	379.68	110.38
23 09 23 53-0692	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	385.71	110.38
23 09 23 53-0693	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	419.86	110.38
23 09 23 53-0694	EA	Toggle Switch	145.14	51.95
23 09 23 53-0695	EA	Maintained Pushbutton Switch	154.98	51.95
23 09 23 53-0696	EA	Manual Time Switch	247.76	51.95
23 09 23 53-0697	EA	Emergency Stop Switch	413.67	51.95
23 09 23 53-0698	EA	Float Switch	399.44	51.95
23 09 23 53-0699	EA	Break Glass Switch	1,306.59	51.95
23 09 23 53-0700	EA	Boiler E-Stop Switch	803.22	51.95

23 09 23 53-0701 Relays *(23 09 23 53-0675)*

23 09 23 53-0702	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	128.99	41.55
23 09 23 53-0703	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	141.35	41.55
23 09 23 53-0704	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	199.89	51.95
23 09 23 53-0705	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	252.18	41.55
23 09 23 53-0706	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	120.03	41.55
23 09 23 53-0707	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	118.22	41.55
23 09 23 53-0708	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	128.99	41.55
23 09 23 53-0709	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	134.64	41.55
23 09 23 53-0710	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	136.18	41.55
23 09 23 53-0711	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	147.84	51.95
23 09 23 53-0712	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	198.26	51.95
23 09 23 53-0713	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	353.77	51.95
23 09 23 53-0714	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	351.54	51.95

23 09 23 53-0715 Transformers *(23 09 23 53-0675)*

23 09 23 53-0716	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	154.79	41.55
23 09 23 53-0717	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	168.81	41.55
23 09 23 53-0718	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	168.81	41.55
23 09 23 53-0719	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	181.50	41.55
23 09 23 53-0720	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	189.32	41.55

23 09 23 53-0721 Power Supplies *(23 09 23 53-0675)*

23 09 23 53-0722	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	233.68	41.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0723	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	272.59	41.55
23 09 23 53-0724	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	255.05	41.55
23 09 23 53-0725	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	263.35	41.55
23 09 23 53-0726	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	255.95	41.55
23 09 23 53-0727	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	268.33	41.55
23 09 23 53-0728	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	200.23	41.55
23 09 23 53-0729		Control Damper Actuators *(23 09 23 53-0675)*		
23 09 23 53-0730	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	585.10	114.81
23 09 23 53-0731	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	632.10	114.81
23 09 23 53-0732	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	709.10	114.81
23 09 23 53-0733	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	745.90	114.81
23 09 23 53-0734	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	767.73	114.81
23 09 23 53-0735	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	853.58	114.81

23 09 43 Pneumatic Control System For HVAC *(23 09)*

23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*

23 09 43 00-0002 Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.72	1.07
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.42	1.11
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.45	1.14
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	5.62	1.17

23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.44	1.07
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.61	1.11
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.99	1.14
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.69	1.17

23 09 43 00-0012 Nylon Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.86	1.04
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.77	1.07
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.65	1.14
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	7.21	1.17

23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.81	1.07
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.48	1.14
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.38	1.17
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.54	1.20
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	7.39	1.23
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	10.08	1.27

23 09 43 00-0024 Braided Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	3.78	1.20
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	4.38	1.23
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	5.45	1.27

23 09 43 00-0028 Copper Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	6.07	2.31
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	7.43	2.66
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	8.63	3.06
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	10.71	3.53
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	12.17	4.05

23 09 43 00-0034 Brass Couplings *(23 09 43 00-0001)*

See CSI section 22 11 16 00-0383 for copper tubing.

23 09 43 00-0035 Straight Brass Couplings *(23 09 43 00-0034)*

Note: Barb x Barb

23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	12.53	5.84
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	12.67	5.84
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	12.81	5.84

23 09 43 00-0039 Elbow Brass Couplings *(23 09 43 00-0034)*

Note: Barb x Barb

23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	13.31	5.84
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	13.78	5.84

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0042		Tee Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	20.33	9.08
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	23.33	9.73
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	22.83	9.73

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping *(23 11 23)*		
23 11 23 00-0002		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)* Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.67	2.28
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.33	2.46
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.75	2.67
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	10.97	2.82
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.88	2.96
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.40	3.08
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.16	3.28
23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*		
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.96	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.96	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.25	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.25	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.94	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.77	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.77	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.50	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	169.52	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	273.27	
23 11 23 00-0022		Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.00	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.25	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.25	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.94	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.94	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.41	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.41	
23 11 23 00-0030		Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.51	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.27	
23 11 23 00-0033		Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.41	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.98	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.65	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	83.39	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	154.56	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	299.85	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	496.60	
23 11 23 00-0041		Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.76	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	146.51	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	250.41	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	269.14	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	308.73	
23 11 23 00-0048		Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.23	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.57	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.00	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.34	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.15	
23 11 23 00-0054		Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.97	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.16	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.62	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.47	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.47	
23 11 23 00-0060		Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.37	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.08	
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	72.37	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	112.76	
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	117.01	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	167.02	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	206.77	
23 11 23 00-0068		Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.00	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	72.65	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	79.85	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	141.35	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	145.83	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	199.16	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	250.30	
23 11 23 00-0076		Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.69	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.90	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	65.83	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.37	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	193.11	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	306.24	
23 11 23 00-0083		Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
		Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.15	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.27	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.19	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.30	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.82	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.57	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0091		**Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.82	23.89
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	111.37	25.08
23 11 23 00-0094		**Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.44	20.91
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	83.20	24.84
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	102.00	29.87
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	127.96	39.89
23 11 23 00-0099		**Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.63	24.84
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	99.68	29.87
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.61	24.84
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	103.56	29.87
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	200.03	74.65
23 11 23 00-0105		**Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.46	24.84
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.46	24.84
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	128.24	24.84
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	138.19	29.87
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	138.19	29.87
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	158.10	39.89
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	234.34	44.79
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	121.91	24.84
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	300.20	29.87
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	726.06	44.79
23 11 23 00-0116		**Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft)** *(23 11 23)*		
23 11 23 00-0117		**3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	49.78	17.92
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	54.32	19.11
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	58.69	19.11
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	61.50	20.30
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	65.03	20.30
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	72.78	21.50
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	79.83	21.50
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	86.80	22.70
23 11 23 00-0126		**3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	49.78	17.92
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	54.32	19.11
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	58.69	19.11
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	61.50	20.30
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	65.03	20.30
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	72.78	21.50
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	79.83	21.50

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23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	86.80	22.70
23 11 23 00-0135		**3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	49.78	17.92
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	54.32	19.11
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	58.69	19.11
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	61.50	20.30
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	65.03	20.30
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	72.78	21.50
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	79.83	21.50
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	86.80	22.70
23 11 23 00-0144		**3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	49.78	17.92
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	54.32	19.11
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	69.28	19.11
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	61.50	20.30
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	65.03	20.30
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	72.78	21.50
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	79.83	21.50
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	86.80	22.70
23 11 23 00-0153		**3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	53.86	17.92
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	59.39	19.11
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	58.69	19.11
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	67.97	20.30
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	65.03	20.30
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	72.78	21.50
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	79.83	21.50
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	86.80	22.70
23 11 23 00-0162		**3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	49.78	17.92
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	64.69	19.11
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	61.50	20.30
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	65.03	20.30
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	72.78	21.50
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	90.63	21.50
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	86.80	22.70
23 11 23 00-0170		**3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	49.78	17.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	54.32	19.11
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	58.69	19.11
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	61.50	20.30
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	65.03	20.30
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	72.78	21.50
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	79.83	21.50
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	86.80	22.70
23 11 23 00-0179		**3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	49.78	17.92
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	54.32	19.11
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	58.69	19.11
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	61.50	20.30
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	65.03	20.30
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	72.78	21.50
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	79.83	21.50
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	86.80	22.70
23 11 23 00-0188		**3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	59.39	19.11
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	58.69	19.11
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	67.97	20.30
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	72.19	20.30
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	81.87	21.50
23 11 23 00-0194		**1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	49.78	17.92
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	54.32	19.11
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	54.45	19.11
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	61.50	20.30
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	59.96	20.30
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	74.32	21.50
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	79.83	21.50
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	86.80	22.70
23 11 23 00-0203		**1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	49.78	17.92
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	50.86	19.11
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	52.11	19.11
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	61.50	20.30
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	65.03	20.30
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	66.16	21.50
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	79.83	21.50

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23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	86.80	22.70
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	49.78	17.92
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	54.32	19.11
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	58.69	19.11
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	61.50	20.30
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	56.43	20.30
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	72.78	21.50
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	79.83	21.50
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	86.80	22.70
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	64.32	17.92
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	68.84	19.11
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	73.20	19.11
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	76.00	20.30
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	79.66	20.30
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	86.96	21.50
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	94.60	21.50
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	101.58	22.70
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	76.26	23.89
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	80.79	25.08
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	85.15	25.08
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	87.94	26.28
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	91.60	26.28
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	98.91	27.47
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	106.54	27.47
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	113.53	28.67
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	76.26	23.89
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	80.79	25.08
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	85.15	25.08
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	87.94	26.28
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	91.60	26.28
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	98.91	27.47
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	106.54	27.47
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	113.53	28.67
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		

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23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	88.09	23.89
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	92.61	25.08
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	96.98	25.08
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	99.76	26.28
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	103.44	26.28
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	110.74	27.47
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	118.37	27.47
23 11 23 00-0256		**3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	88.09	23.89
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	92.61	25.08
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	96.98	25.08
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	103.44	26.28
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	110.74	27.47
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	118.37	27.47
23 11 23 00-0263		**1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	88.09	23.89
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	92.61	25.08
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	96.98	25.08
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	99.76	26.28
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	103.44	26.28
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	110.74	27.47
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	118.37	27.47
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	125.36	28.67
23 11 23 00-0272		**1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	73.14	23.89
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	77.69	25.08
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	82.07	25.08
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	84.83	26.28
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	88.50	26.28
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	95.79	27.47
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	110.38	28.67
23 11 23 00-0280		**1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	86.10	25.08
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	91.41	25.08
23 11 23 00-0283		**Quarter-Turn, Gas Ball Valve** *(23 11 23)*		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	46.38	12.71
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	46.91	12.97
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	66.93	14.27
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	46.02	12.71
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	48.61	12.97
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	53.61	12.97
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	58.72	13.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	61.27	13.62
23 11 23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	61.27	13.62
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	47.92	12.71
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	50.51	12.97
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	62.62	13.62
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	50.76	12.97
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	68.37	14.27
23 11 23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	47.83	12.71
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	45.77	12.71
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	46.90	12.97
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	64.18	14.27
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	86.08	16.22
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	121.67	16.86
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	144.10	19.46
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	177.11	23.35
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	48.00	12.97
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	63.85	14.27

23 11 23 00-0308 Gas Stops *(23 11 23)*

23 11 23 00-0309 Brass/Bronze Gas Stops *(23 11 23 00-0308)*

Note: Flat or square head

23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	59.50	12.97
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	59.51	12.97
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	78.08	14.27
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	110.04	16.22
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	146.48	17.26
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	184.76	19.97
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	256.73	23.60

23 11 23 00-0317 Iron Body Gas Stops *(23 11 23 00-0308)*

23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	80.55	12.97
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	98.78	14.27
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	122.52	16.22
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	158.60	17.26
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	199.99	19.97
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	260.19	23.60
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	506.38	31.89
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	680.32	37.02

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	207.85	12.97
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	242.39	12.97
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	308.59	14.27
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	463.27	16.22
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	829.00	19.97
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,412.17	23.60
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,749.19	31.89
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	2,637.00	37.02

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	24.06	8.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-9.63*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	28.84	10.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-11.56*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	38.13	15.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.03*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	44.80	17.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-19.17*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	52.30	19.47
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-21.94*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	70.53	22.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-25.25*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	93.95	26.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-30.11*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	213.59	33.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-37.88*	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	184.24	85.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.32*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	217.37	102.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.59*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	260.39	119.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-134.28*	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	313.83	132.95
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-146.66*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	378.86	149.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-167.73*	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	545.11	186.40
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-209.66*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	701.76	224.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.50*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,580.73	278.42
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-313.10*	

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	184.66	85.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.32*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	217.50	102.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.59*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	260.79	119.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-134.38*	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	327.36	142.02
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-156.77*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	378.70	149.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-167.73*	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	545.11	186.40
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-209.66*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,197.92	224.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.50*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,580.73	278.42
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-313.10*	

23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 26 00-0011)*

23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	371.68	128.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-144.49*	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	459.83	154.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-174.02*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	523.31	179.28
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-201.58*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	664.24	212.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-235.25*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	783.20	224.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.50*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	985.38	278.42
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-313.10*	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	1,581.91	336.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-378.74*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	2,116.41	409.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-460.43*	

23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 26 00-0011)*

23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	492.87	128.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-144.49*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	632.98	154.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-173.79*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	743.61	179.28
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-201.56*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	851.83	212.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-235.25*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	938.09	224.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.50*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	1,230.34	278.42
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-313.10*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	1,890.88	336.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-378.74*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	2,453.21	409.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-460.43*	

23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 26 00-0011)*

23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	280.13	85.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.32*	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	363.28	102.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.59*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	398.20	119.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-134.38*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	462.14	142.02
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-156.77*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	510.79	149.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-167.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	679.80	186.40
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-209.66*	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	869.47	224.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.50*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,189.35	278.42
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-313.10*	

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	225.98	85.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.32*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	259.84	102.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.59*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	294.87	119.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-134.38*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	360.92	142.02
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-156.77*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	411.75	149.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-167.73*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	406.91	186.40
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-209.66*	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	519.68	224.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.50*	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	815.42	278.42
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-313.10*	

23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples *(23 11 26 00-0011)*

23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	42.34	10.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-11.56*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	84.60	20.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.06*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	141.34	15.76
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.74*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	163.00	20.91
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.51*	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	152.03	14.87
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.78*	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	183.15	22.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-25.16*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	227.43	25.05
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-27.68*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	271.69	26.83
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-30.22*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	143.91	31.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-35.22*	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	196.30	44.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-50.28*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	241.33	31.87
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-35.80*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	362.22	47.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-53.61*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	281.72	32.88
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-36.92*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	368.78	49.20
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-55.39*	

23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 26 00-0011)*

23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	153.17	85.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.32*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	184.24	102.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.59*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	213.08	119.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-134.38*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	255.90	142.02
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-156.77*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	283.48	149.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-167.73*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	367.31	186.40
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-209.66*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	470.31	224.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.50*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	575.05	278.42
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-313.10*	

23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges *(23 11 26 00-0011)*

23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	156.26	85.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.32*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	188.33	102.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.59*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	213.71	111.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-125.57*	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	257.73	132.95
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-146.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	301.44	149.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-167.73*	
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	373.32	178.46
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-200.70*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	498.24	224.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.50*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	686.76	278.42
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-313.10*	

23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings *(23 11 26)*

23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing *(23 11 26 00-0099)*

23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	132.78	36.91
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	158.23	43.72
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	203.29	64.50
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	284.55	83.61
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	398.87	96.16
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	542.61	114.06
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	693.17	143.91

23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 26 00-0099)*

23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,328.26	456.74
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,684.61	548.23
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,350.82	637.09
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	5,763.27	795.36
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	9,311.49	994.39
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	12,545.17	1,196.34
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	16,742.91	1,481.47

23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,331.84	456.74
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,678.34	548.23
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,345.90	637.09
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	5,734.30	795.36
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	9,269.55	994.39
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	12,488.34	1,196.90
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	16,670.09	1,484.83

23 11 26 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees *(23 11 26 00-0108)*

23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,250.18	685.12
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,066.58	825.70
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,594.02	956.13
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,339.73	1,197.46
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	9,277.85	1,484.83
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	16,061.46	1,794.11
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	21,917.45	2,175.31

23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes *(23 11 26 00-0108)*

23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,754.88	685.12
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,218.69	824.74
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,329.73	956.13
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	9,263.03	1,197.46
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	12,319.46	1,484.83
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	19,897.90	1,794.11
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	26,099.40	2,175.31

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0141		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers *(23 11 26 00-0108)*		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,568.38	456.74
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,418.93	548.23
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,674.83	637.09
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,757.91	795.36
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	6,460.77	994.39
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	8,409.35	1,196.34
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	11,805.39	1,481.47
23 11 26 00-0149		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters *(23 11 26 00-0108)*		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,895.90	456.74
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,134.67	548.23
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,391.81	637.09
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,528.15	795.36
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,072.40	994.39
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	4,066.13	1,196.34
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	7,162.49	1,481.47
23 11 26 00-0157		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples *(23 11 26 00-0108)*		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	416.58	54.83
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	832.73	109.40
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,587.50	84.09
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,801.89	111.48
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,729.25	79.50
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,036.53	119.31
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,088.09	143.35
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,454.25	167.06
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,962.59	238.51
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,658.36	169.74
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,991.19	254.27
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,149.28	175.11
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,055.92	262.66
23 11 26 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges *(23 11 26 00-0108)*		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,467.55	595.55
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,158.43	795.36
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,740.04	952.02
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	3,799.89	1,196.34
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	5,564.92	1,481.47

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,561.65	346.55
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,646.35	419.44
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,808.17	498.31

23 12 13 00-0006 25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,703.25	346.55
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,796.88	419.44
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,890.30	498.31

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*

23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,182.40	194.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,386.60	217.49
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,518.02	243.78
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,659.01	274.85
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,307.01	305.92
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,811.16	342.36
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,116.71	383.59
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,787.42	429.00
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,456.38	480.99
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	4,989.86	539.54
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,594.42	604.78

23 12 16 Facility Gasoline Dispensing Pumps *(23 12)*

23 12 16 00-0001 Unloading Hose And Accessories *(23 12 16)*

23 12 16 00-0002 Hoses With Braided Rayon Cord, Neoprene Cover, And End Couplings *(23 12 16 00-0001)*

23 12 16 00-0003 Two Braid Hose x 25' *(23 12 16 00-0002)*

23 12 16 00-0004	EA	3/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	321.36	48.39
23 12 16 00-0005	EA	1" x 1-1/2", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	372.86	48.39
23 12 16 00-0006	EA	1-1/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	516.49	48.39

23 12 16 00-0007 Two Braid Hose x 50' *(23 12 16 00-0002)*

23 12 16 00-0008	EA	3/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	640.40	97.99
23 12 16 00-0009	EA	1" x 1-1/2", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	741.14	97.99
23 12 16 00-0010	EA	1-1/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,031.53	97.99

23 12 16 00-0011 Three Braid Hose x 25' *(23 12 16 00-0002)*

23 12 16 00-0012	EA	1-1/2" x 2-3/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	784.16	48.39
23 12 16 00-0013	EA	2" x 2-21/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	973.97	65.34
23 12 16 00-0014	EA	2-1/2" x 3-3/16", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	1,367.20	81.06
23 12 16 00-0015	EA	3" x 3-3/4", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	1,716.31	97.99

23 12 16 00-0016 Three Braid Hose x 50' *(23 12 16 00-0002)*

23 12 16 00-0017	EA	1-1/2" x 2-3/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,402.94	97.99
23 12 16 00-0018	EA	2" x 2-21/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,720.51	129.46
23 12 16 00-0019	EA	2-1/2" x 3-3/16", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	2,313.69	163.33
23 12 16 00-0020	EA	3" x 3-3/4", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	2,823.28	194.79

23 12 16 00-0021 Tank Car Unloading Hose Assemblies *(23 12 16 00-0001)*

23 12 16 00-0022 Flexible Galvanized Hose Assemblies *(23 12 16 00-0021)*
Note: Each end includes a female coupling.

23 12 16 00-0023	EA	2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	743.02	113.73
23 12 16 00-0024	EA	2-1/2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	899.92	113.73
23 12 16 00-0025	EA	3" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	1,060.64	113.73
23 12 16 00-0026	EA	4" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	1,688.23	113.73

23 12 16 00-0027 Standard Gas Station Pumps *(23 12 16)*

23 12 16 00-0028 Gasoline Pumps *(23 12 16 00-0027)*
Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self- timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.

23 12 16 00-0029	EA	Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle	5,799.05	967.89

23 12 16 00-0030 Gasoline Pumps With Vapor Recovery System *(23 12 16 00-0027)*
Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self- timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.

23 12 16 00-0031	EA	Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle With Vapor Recovery	11,502.55	1,451.84

23 12 23 Facility Natural-Gas Pumps *(23 12)*

23 12 23 00-0001 Natural Gas Booster Pump *(23 12 23)*

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,272.97	179.25
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,509.69	200.16
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,692.48	209.13
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,920.24	218.09
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,172.06	224.06

23 13 Facility Fuel-Storage Tanks *(23 10)*

23 13 13 Facility Underground Fuel-Oil, Storage Tanks *(23 13)*

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 13-0001		**Coated Underground Double Wall Storage Tanks** *(23 13 13 13)* Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.		
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,586.02	801.49
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	19,004.07	801.49
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,471.75	1,001.80
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	37,585.45	1,956.76
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	59,884.35	2,515.69
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	66,707.49	2,889.35
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	71,965.34	3,820.32
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	74,408.49	4,101.78
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	90,823.83	4,845.73
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	105,188.16	5,589.19
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	134,623.34	6,146.39
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	159,581.72	7,462.70
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	164,823.50	7,919.85
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	202,056.16	12,562.54
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	248,263.91	16,290.53
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	292,547.38	18,639.34
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	376,510.02	20,037.28
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	510,496.43	20,551.11
23 13 13 23		**Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks** *(23 13 13)*		
23 13 13 23-0001		**Underground Fiberglass Storage Tanks** *(23 13 13 23)*		
23 13 13 23-0002		**Single Wall Fiberglass Underground Storage Tanks** *(23 13 13 23-0001)* Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,692.06	801.49
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,894.40	1,001.80
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,663.63	1,239.52
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,693.76	1,509.79
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,720.02	1,770.74
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,808.54	2,329.92
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,005.71	3,541.48
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	15,797.76	4,473.44
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,982.74	5,032.62
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	21,338.38	5,964.59
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	27,549.81	7,082.95
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	33,851.20	8,853.68
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	42,681.14	11,835.97
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	64,032.70	14,725.08
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	78,530.50	17,707.37
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	112,050.35	25,629.08
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	159,894.92	32,618.84
23 13 13 23-0020		**Double Wall Fiberglass Underground Storage Tanks** *(23 13 13 23-0001)* Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,113.69	801.49
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,016.75	1,001.80
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,406.93	1,211.56
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,714.76	1,770.86
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,990.67	2,329.92
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	24,099.81	3,541.48
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	26,791.33	4,473.44
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	32,974.57	5,032.62
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	35,330.20	5,964.59
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	42,790.91	7,082.95
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	58,899.06	8,853.68
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	72,913.47	11,835.97
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	112,760.50	17,707.37
23 13 13 23-0034		**Underground Storage Tank Pump Enclosures** *(23 13 13 23)*		
23 13 13 23-0035	EA	Secondary Containment Collar	3,288.36	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,288.36	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	657.67	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,315.34	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,644.18	
23 13 13 23-0040		**Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks** *(23 13 13 23)* Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).		
23 13 13 23-0041	DAY	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day Note: Includes inspection report and repair estimate.	1,300.00	
23 13 13 23-0042	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair Note: 50 SF minimum.	110.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0043	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway	9,789.12	
23 13 13 23-0044	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway	14,556.26	
23 13 13 23-0045	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.	134.92	
23 13 13 23-0046	LF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair Note: Circumference of a tank knuckle (FT) = tank diameter (FT) x 3.14.	287.83	
23 13 13 23-0047	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non-Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,323.40	
		For Additional Flange Installation During The Same Day, Add	*142.00*	
23 13 13 23-0048	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non-Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,356.38	
		For Additional Flange Installation During The Same Day, Add	*153.00*	
23 13 13 23-0049	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non-Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,425.34	
		For Additional Flange Installation During The Same Day, Add	*176.00*	
23 13 13 23-0050	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non-Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,605.24	
		For Additional Flange Installation During The Same Day, Add	*236.00*	
23 13 13 23-0051	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non-Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,671.20	
		For Additional Flange Installation During The Same Day, Add	*318.00*	
23 13 13 23-0052	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non-Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	5,018.99	
		For Additional Flange Installation During The Same Day, Add	*374.00*	
23 13 13 23-0053	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,638.22	
		For Additional Flange Installation During The Same Day, Add	*247.00*	
		For Blade Gusseted Outlet, Add	*695.73*	
23 13 13 23-0054	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,686.19	
		For Additional Flange Installation During The Same Day, Add	*263.00*	
		For Blade Gusseted Outlet, Add	*702.93*	
23 13 13 23-0055	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,830.10	
		For Additional Flange Installation During The Same Day, Add	*135.00*	
		For Blade Gusseted Outlet, Add	*724.52*	
23 13 13 23-0056	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	5,129.92	
		For Additional Flange Installation During The Same Day, Add	*175.00*	
		For Blade Gusseted Outlet, Add	*769.49*	
23 13 13 23-0057	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	5,315.81	
		For Additional Flange Installation During The Same Day, Add	*215.00*	
		For Blade Gusseted Outlet, Add	*797.37*	
23 13 13 23-0058	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	5,798.52	
		For Additional Flange Installation During The Same Day, Add	*260.00*	
		For Blade Gusseted Outlet, Add	*869.78*	
23 13 13 23-0059	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	8,649.81	
		For Blade Gusseted Outlet, Add	*1,297.47*	
23 13 13 23-0060	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,182.49	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0061	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,182.49	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0062	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,182.49	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0063	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,182.49	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0064	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,182.49	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0065	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,182.49	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0066	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,332.40	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*435.00*	
23 13 13 23-0067	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,332.40	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*435.00*	
23 13 13 23-0068	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,332.40	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*435.00*	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 13-0001 Vertical Rectangular Double Wall Steel Fuel Day Tank *(23 13 23 13)*

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,207.55	155.72
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,295.96	163.51
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,406.28	175.18
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,612.60	186.86
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,795.31	194.65
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,117.33	233.58
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,840.51	272.51
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,587.70	311.43
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,592.02	350.36
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,118.05	389.30
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,861.55	467.16
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,570.76	545.01
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,300.53	622.88
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,095.72	661.81
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,896.04	700.73
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,804.37	739.66
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,599.56	778.59
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,819.11	934.31
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,749.45	1,012.17
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,005.01	1,167.89
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,265.70	1,323.61
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,457.84	155.72
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,547.96	163.51
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,658.28	175.18
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,862.89	186.86
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,045.60	194.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,369.34	233.58
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,116.52	272.51
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,863.71	311.43
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,868.03	350.36
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,394.06	389.30
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,137.55	467.16
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,846.76	545.01
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,576.54	622.88
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,371.73	661.81
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,172.05	700.73
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,082.09	739.66
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,877.28	778.59
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,095.11	934.31
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,025.45	1,012.17
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,281.01	1,167.89
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,541.71	1,323.61
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,405.86	155.72
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,485.70	163.51
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,558.30	175.18
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,831.48	186.86
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,935.33	194.65
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,247.07	233.58
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,906.82	272.51
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,924.87	311.43
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,538.32	350.36
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,226.67	389.30
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,172.45	467.16
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,747.95	545.01
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,525.72	622.88
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,284.91	661.81
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,284.09	700.73
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,703.84	739.66
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,080.73	778.59
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,826.58	934.31
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,506.07	1,012.17
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,354.79	1,167.89
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,232.64	1,323.61
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,537.31	155.72
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,617.15	163.51
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,689.75	175.18
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,962.93	186.86
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,066.78	194.65
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,378.52	233.58
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,038.27	272.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,056.32	311.43
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,745.21	350.36
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,963.82	389.30
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,909.61	467.16
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,486.82	545.01
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,262.88	622.88
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,023.78	661.81
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,021.25	700.73
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,440.99	739.66
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,817.89	778.59
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,563.74	934.31
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,244.95	1,012.17
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,091.95	1,167.89
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,969.79	1,323.61
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,169.89	155.72
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,258.30	163.51
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,332.62	175.18
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,614.37	186.86
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,766.22	194.65
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,050.54	233.58
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,736.00	272.51
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,802.05	311.43
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,437.79	350.36
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,191.28	389.30
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,185.06	467.16
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,707.41	545.01
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,588.05	622.88
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,504.95	661.81
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,426.99	700.73
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,896.45	739.66
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,247.63	778.59
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,070.62	934.31
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,830.69	1,012.17
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,759.98	1,167.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,714.97	1,323.61
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,301.35	155.72
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,389.76	163.51
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,464.07	175.18
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,745.82	186.86
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,897.67	194.65
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,178.56	233.58
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,867.45	272.51
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,933.50	311.43
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,569.24	350.36
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,928.43	389.30
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,922.22	467.16
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,616.00	545.01
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,325.20	622.88
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,242.11	661.81
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,164.15	700.73
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,633.61	739.66
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,986.51	778.59
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,807.78	934.31
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,567.85	1,012.17
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,497.14	1,167.89
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,452.13	1,323.61
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,196.37	155.72
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,295.34	163.51
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,405.32	175.18
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,603.55	186.86
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,121.16	194.65
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,186.04	233.58
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,744.24	272.51
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,390.69	311.43
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,442.19	350.36
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,570.63	389.30
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,687.03	467.16
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,194.70	545.01
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,704.63	622.88
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,455.18	661.81
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,207.98	700.73
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,863.50	739.66
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,525.78	778.59
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,921.28	934.31
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,227.74	1,012.17
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,700.20	1,167.89
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,122.86	1,323.61
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,261.40	163.51
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,371.63	175.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,486.63	186.86
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,688.32	194.65
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,285.86	233.58
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,350.74	272.51
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,936.35	311.43
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,615.10	350.36
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,721.42	389.30
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,908.96	428.23
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	7,080.15	506.08
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,608.82	583.94
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	8,139.88	661.81
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,928.51	700.73
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,719.53	739.66
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,407.87	778.59
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	11,168.21	856.46
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,626.82	1,012.17
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	14,128.44	1,167.89
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	15,668.27	1,323.61
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	17,155.55	1,479.32
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,375.14	155.72
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,496.74	163.51
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,620.29	175.18
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,863.78	186.86
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,478.70	194.65
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,543.58	233.58
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,183.24	272.51
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,936.05	311.43
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,172.49	350.36
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,557.26	389.30
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,875.05	467.16
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,452.88	545.01
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,035.22	622.88
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	9,928.33	661.81
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,823.69	700.73
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,585.55	739.66
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,365.52	778.59
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	13,998.63	934.31
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,544.95	1,012.17
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	17,255.01	1,167.89
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	18,915.28	1,323.61
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,450.10	163.51
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,584.21	175.18
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,713.55	186.86
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,963.01	194.65
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,663.27	233.58
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,728.15	272.51
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,399.74	311.43
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,190.76	350.36
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,492.29	389.30
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,950.39	428.23
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,334.18	506.08
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,936.90	583.94
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,544.39	661.81
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,483.50	700.73
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,425.01	739.66
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	12,225.59	778.59
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	13,110.16	856.46
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,819.57	1,012.17
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,574.38	1,167.89
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	18,365.02	1,323.61
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	20,103.10	1,479.32

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,399.85	846.33
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,491.70	1,024.49
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,708.18	1,373.35
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	11,258.97	1,716.69
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,489.54	2,290.03
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	20,382.72	2,357.38
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	29,652.80	2,914.57
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	40,745.96	3,339.55
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	48,576.75	3,643.12
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	56,397.28	4,007.46
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	62,431.52	4,452.69
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	77,976.38	5,724.88
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	106,562.29	6,679.09

23 13 23 16-0015 Double Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,560.96	1,056.03
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,287.35	1,277.93
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,633.08	1,716.69
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	17,882.28	2,145.86
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	22,956.54	2,862.51
23 13 23 16-0021	EA	2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	27,787.55	2,862.51
		For 1/4" Thick Shell, Add	*6,669.01*	
		For Fireguard® Tanks, Add	*4,044.88*	
23 13 23 16-0022	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	32,736.02	2,946.63
23 13 23 16-0023	EA	4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	40,323.58	3,288.35
		For 1/4" Thick Shell, Add	*9,677.66*	
		For Fireguard® Tanks, Add	*6,074.98*	
23 13 23 16-0024	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	47,911.03	3,629.95
23 13 23 16-0025	EA	6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	53,485.01	3,772.60
		For 1/4" Thick Shell, Add	*12,836.40*	
		For Fireguard® Tanks, Add	*8,197.40*	
23 13 23 16-0026	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	66,254.09	4,174.47
23 13 23 16-0027	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	79,187.52	4,553.96
23 13 23 16-0028	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	92,067.84	5,009.26
23 13 23 16-0029	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	101,908.87	5,565.96
23 13 23 16-0030	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	127,186.39	7,156.14
23 13 23 16-0031	EA	25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	150,838.51	7,752.48
		For Fireguard® Tanks, Add	*23,803.58*	
23 13 23 16-0032	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	174,490.64	8,348.81

23 13 23 16-0033 Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks *(23 13 23 16)*

Note: Includes solenoid valve. Excludes piping and concrete pad.

23 13 23 16-0034	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,637.15	1,277.93
23 13 23 16-0035	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	17,532.05	1,416.26
23 13 23 16-0036	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	19,700.36	1,716.69
23 13 23 16-0037	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	23,570.96	2,145.86
23 13 23 16-0038	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank Note: Includes 2" solenoid valve.	30,143.26	2,862.51

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 19-0001 Secondary Containment For Above Ground Tanks *(23 13 23 19)*

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	5,780.62	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	6,984.90	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	15,255.02	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	16,700.04	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	23,731.34	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	26,587.38	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	35,098.21	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	41,188.76	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	46,797.66	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	56,982.96	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	72,949.55	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	32,091.20	1,733.33
		For Low Profile Tanks, Add	*11,869.04*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	40,424.93	1,956.76
		For Low Profile Tanks, Add	*15,077.82*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	71,761.69	2,329.92
		For Low Profile Tanks, Add	*27,404.26*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	113,650.89	5,124.70
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	129,850.22	5,597.02
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	146,148.72	6,044.36
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	162,421.64	6,558.93
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	178,686.45	6,981.68

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0001		EPA Requirements *(23 13 33)*		
23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	788.79	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,487.84	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	4,838.85	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	3,969.05	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	172.55	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	492.94	
23 13 33 00-0008	EA	Manhole Spill Containment	1,308.85	302.47
23 13 33 00-0009	EA	Fill Adapter, 4"	388.62	201.69
23 13 33 00-0010	EA	Fill Cap, 4"	265.04	75.61
23 13 33 00-0011	EA	2" Vent Cap	158.60	50.45
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	549.07	75.61
23 13 33 00-0013	EA	Float Vent Valve	449.39	151.24
23 13 33 00-0014	EA	Vapor Hose Adapter	522.17	100.78
23 13 33 00-0015	EA	Dust Cap	223.78	55.05
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	501.15	86.38
23 13 33 00-0017	EA	10' Wood Gage Stick	44.32	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	194.21	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	264.40	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	87.86	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	117.27	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	181.80	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	1,195.95	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,976.08	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,338.65	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,548.37	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,792.94	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	4,003.56	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	4,946.83	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,476.32	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,733.99	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	7,973.87	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	8,925.75	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	10,310.60	
23 13 33 00-0035		Tank Bulkhead Fittings *(23 13 33)*		
23 13 33 00-0036		Tank Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0037		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	49.36	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	55.12	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	60.57	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	72.68	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	75.27	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	97.70	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	152.17	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	262.43	
23 13 33 00-0046		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	56.86	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	62.58	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	68.34	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	84.75	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	90.50	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	111.51	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	170.58	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	288.58	
23 13 33 00-0055		Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	58.56	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	67.49	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	76.11	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	97.97	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	127.02	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	195.59	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	304.12	
23 13 33 00-0063		Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	68.07	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	80.13	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	98.23	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	119.24	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	121.83	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	172.72	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	305.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	542.69	

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	60.57	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	77.45	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	80.05	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	82.64	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	113.79	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	143.06	

23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	247.73	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	283.17	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	347.66	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	400.61	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	461.42	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	580.65	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	753.78	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	832.68	

23 13 33 00-0088 Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	254.66	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	255.33	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	371.52	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	379.51	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	510.60	

23 20 HVAC Piping and Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

See CSI section 40 05 23 23-0000 for stainless steel pipe and fittings.

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.44	4.78
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.44*	
		For Work In Restricted Working Space, Add	*4.94*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	24.49	5.13
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.06*	
		For Work In Restricted Working Space, Add	*5.16*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	27.08	5.62
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.84*	
		For Work In Restricted Working Space, Add	*5.45*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.20	5.85
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.46*	
		For Work In Restricted Working Space, Add	*5.87*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	34.21	6.93
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.14*	
		For Work In Restricted Working Space, Add	*5.96*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.64	8.36
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.71*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	57.69	9.91
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*16.33*	
		For Work In Restricted Working Space, Add	*8.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	73.20	13.26
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*20.92*	
		For Work In Restricted Working Space, Add	*10.19*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	98.47	14.87
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*29.72*	
		For Work In Restricted Working Space, Add	*10.74*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	146.09	19.01
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*45.77*	
		For Work In Restricted Working Space, Add	*12.80*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	176.58	22.48
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*55.83*	
		For Work In Restricted Working Space, Add	*14.50*	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-0015 Threaded And Coupled, Black Steel Piping *(23 21 13 23-0014)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	8.36	2.99
		For Schedule 80 Pipe, Add	*1.65*	
		For Work In Restricted Working Space, Add	*1.81*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	11.13	4.78
		For Schedule 80 Pipe, Add	*2.47*	
		For Work In Restricted Working Space, Add	*2.17*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	12.75	5.13
		For Schedule 80 Pipe, Add	*3.04*	
		For Work In Restricted Working Space, Add	*2.31*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	15.06	5.62
		For Schedule 80 Pipe, Add	*3.85*	
		For Work In Restricted Working Space, Add	*2.51*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	17.83	5.85
		For Schedule 80 Pipe, Add	*4.93*	
		For Work In Restricted Working Space, Add	*2.66*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	21.14	6.93
		For Schedule 80 Pipe, Add	*5.88*	
		For Work In Restricted Working Space, Add	*3.12*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	26.65	8.36
		For Schedule 80 Pipe, Add	*7.59*	
		For Work In Restricted Working Space, Add	*3.77*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	37.17	9.91
		For Schedule 80 Pipe, Add	*11.50*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	49.04	13.26
		For Schedule 80 Pipe, Add	*15.10*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	65.90	14.87
		For Schedule 80 Pipe, Add	*21.83*	
		For Work In Restricted Working Space, Add	*6.71*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	86.30	19.01
		For Schedule 80 Pipe, Add	*28.87*	
		For Work In Restricted Working Space, Add	*8.54*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	109.94	22.48
		For Schedule 80 Pipe, Add	*37.69*	
		For Work In Restricted Working Space, Add	*10.10*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	153.82	27.17
		For Schedule 80 Pipe, Add	*54.98*	
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	209.84	33.10
		For Schedule 80 Pipe, Add	*77.04*	
		For Work In Restricted Working Space, Add	*14.91*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	280.56	43.50
		For Schedule 80 Pipe, Add	*103.42*	
		For Work In Restricted Working Space, Add	*19.57*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow	30.90	17.68
		For 300 Lb. Rating, Add	*12.06*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*7.96*	
23 21 13 23-0033	EA	1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	34.87	21.26
		For 300 Lb. Rating, Add	*9.16*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0034	EA	3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	39.29	23.77
		For 300 Lb. Rating, Add	*10.88*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*10.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0035	EA	1", 150 Lb., Black Malleable Iron 90 Degree Elbow	46.13	26.51
		For 300 Lb. Rating, Add	*17.56*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0036	EA	1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	55.50	30.10
		For 300 Lb. Rating, Add	*27.74*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-0037	EA	1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	64.54	33.92
		For 300 Lb. Rating, Add	*35.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-0038	EA	2", 150 Lb., Black Malleable Iron 90 Degree Elbow	88.23	43.12
		For 300 Lb. Rating, Add	*60.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.38*	
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-0039	EA	2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	148.28	63.78
		For 300 Lb. Rating, Add	*132.29*	
		For Standard Weight Cast Iron Fittings, Add	*0.84*	
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-0040	EA	3", 150 Lb., Black Malleable Iron 90 Degree Elbow	202.89	83.85
		For 300 Lb. Rating, Add	*192.73*	
		For Standard Weight Cast Iron Fittings, Add	*1.23*	
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-0041	EA	4", 150 Lb., Black Malleable Iron 90 Degree Elbow	296.18	86.99
		For 300 Lb. Rating, Add	*405.58*	
		For Standard Weight Cast Iron Fittings, Add	*2.65*	
		For Work In Restricted Working Space, Add	*39.14*	
23 21 13 23-0042	EA	5", 150 Lb., Black Malleable Iron 90 Degree Elbow	620.39	90.79
		For 300 Lb. Rating, Add	*1,170.42*	
		For Standard Weight Cast Iron Fittings, Add	*7.75*	
		For Work In Restricted Working Space, Add	*40.84*	
23 21 13 23-0043	EA	6", 150 Lb., Black Malleable Iron 90 Degree Elbow	701.71	94.93
		For 300 Lb. Rating, Add	*1,351.10*	
		For Standard Weight Cast Iron Fittings, Add	*8.95*	
		For Work In Restricted Working Space, Add	*42.69*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	34.94	19.47
		For 300 Lb. Rating, Add	*15.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*8.76*	
23 21 13 23-0046	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	39.67	22.46
		For 300 Lb. Rating, Add	*16.23*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*10.13*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	39.37	20.79
		For 300 Lb. Rating, Add	*21.71*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-0048	EA	1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	45.33	25.20
		For 300 Lb. Rating, Add	*20.50*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*11.32*	
23 21 13 23-0049	EA	1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	44.03	23.89
		For 300 Lb. Rating, Add	*21.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*10.75*	
23 21 13 23-0050	EA	1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	49.33	22.09
		For 300 Lb. Rating, Add	*40.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*9.95*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	55.21	28.30
		For 300 Lb. Rating, Add	*33.19*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*12.73*	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	54.62	26.88
		For 300 Lb. Rating, Add	*36.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
		For Work In Restricted Working Space, Add	*12.11*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	55.12	25.68
		For 300 Lb. Rating, Add	*42.29*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*11.54*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	65.96	32.01
		For 300 Lb. Rating, Add	*46.12*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*14.38*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	63.34	30.22
		For 300 Lb. Rating, Add	*45.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*13.60*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	63.87	28.79
		For 300 Lb. Rating, Add	*52.11*	
		For Standard Weight Cast Iron Fittings, Add	*0.33*	
		For Work In Restricted Working Space, Add	*12.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	83.80	38.46
		For 300 Lb. Rating, Add	*66.13*	
		For Standard Weight Cast Iron Fittings, Add	*0.42*	
		For Work In Restricted Working Space, Add	*17.31*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	84.49	36.55
		For 300 Lb. Rating, Add	*74.52*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*16.44*	
23 21 13 23-0059	EA	2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	81.86	34.76
		For 300 Lb. Rating, Add	*74.36*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-0060	EA	2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	81.58	33.44
		For 300 Lb. Rating, Add	*78.53*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
		For Work In Restricted Working Space, Add	*15.03*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	151.73	53.39
		For 300 Lb. Rating, Add	*176.81*	
		For Standard Weight Cast Iron Fittings, Add	*1.15*	
		For Work In Restricted Working Space, Add	*24.02*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	149.09	48.85
		For 300 Lb. Rating, Add	*186.53*	
		For Standard Weight Cast Iron Fittings, Add	*1.21*	
		For Work In Restricted Working Space, Add	*21.96*	
23 21 13 23-0063	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	244.77	73.81
		For 300 Lb. Rating, Add	*328.55*	
		For Standard Weight Cast Iron Fittings, Add	*2.15*	
		For Work In Restricted Working Space, Add	*33.19*	
23 21 13 23-0064	EA	3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	211.00	63.42
		For 300 Lb. Rating, Add	*283.77*	
		For Standard Weight Cast Iron Fittings, Add	*1.85*	
		For Work In Restricted Working Space, Add	*28.54*	
23 21 13 23-0065	EA	4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	353.31	82.74
		For 300 Lb. Rating, Add	*557.60*	
		For Standard Weight Cast Iron Fittings, Add	*3.67*	
		For Work In Restricted Working Space, Add	*37.22*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow	33.10	17.68
		For 300 Lb. Rating, Add	*17.34*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*7.96*	
23 21 13 23-0068	EA	1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	36.84	21.26
		For 300 Lb. Rating, Add	*13.89*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0069	EA	3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	41.82	23.77
		For 300 Lb. Rating, Add	*16.95*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*10.70*	
23 21 13 23-0070	EA	1", 150 Lb., Black Malleable Iron 45 Degree Elbow	47.57	26.51
		For 300 Lb. Rating, Add	*21.01*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0071	EA	1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	58.81	30.10
		For 300 Lb. Rating, Add	*35.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-0072	EA	1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	67.81	33.92
		For 300 Lb. Rating, Add	*43.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-0073	EA	2", 150 Lb., Black Malleable Iron 45 Degree Elbow	90.26	43.12
		For 300 Lb. Rating, Add	*65.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-0074	EA	2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	169.90	63.78
		For 300 Lb. Rating, Add	*184.17*	
		For Standard Weight Cast Iron Fittings, Add	*1.19*	
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-0075	EA	3", 150 Lb., Black Malleable Iron 45 Degree Elbow	222.30	83.85
		For 300 Lb. Rating, Add	*239.31*	
		For Standard Weight Cast Iron Fittings, Add	*1.55*	
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-0076	EA	4", 150 Lb., Black Malleable Iron 45 Degree Elbow	319.83	86.99
		For 300 Lb. Rating, Add	*462.34*	
		For Standard Weight Cast Iron Fittings, Add	*3.03*	
		For Work In Restricted Working Space, Add	*39.14*	
23 21 13 23-0077	EA	5", 150 Lb., Black Malleable Iron 45 Degree Elbow	884.16	90.79
		For 300 Lb. Rating, Add	*1,803.46*	
		For Standard Weight Cast Iron Fittings, Add	*11.97*	
		For Work In Restricted Working Space, Add	*40.84*	
23 21 13 23-0078	EA	6", 150 Lb., Black Malleable Iron 45 Degree Elbow	907.64	94.93
		For 300 Lb. Rating, Add	*1,845.33*	
		For Standard Weight Cast Iron Fittings, Add	*12.25*	
		For Work In Restricted Working Space, Add	*42.69*	

23 21 13 23-0079 Black Malleable Iron Tees *(23 21 13 23-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0080	EA	3/8", 150 Lb., Black Malleable Iron Tee	39.50	21.85
		For 300 Lb. Rating, Add	*17.16*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*9.95*	
23 21 13 23-0081	EA	1/2", 150 Lb., Black Malleable Iron Tee	43.85	26.51
		For 300 Lb. Rating, Add	*12.08*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0082	EA	3/4", 150 Lb., Black Malleable Iron Tee	51.73	30.70
		For 300 Lb. Rating, Add	*16.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*13.78*	
23 21 13 23-0083	EA	1", 150 Lb., Black Malleable Iron Tee	64.21	36.19
		For 300 Lb. Rating, Add	*27.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*16.29*	
23 21 13 23-0084	EA	1-1/4", 150 Lb., Black Malleable Iron Tee	80.63	43.12
		For 300 Lb. Rating, Add	*42.44*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-0085	EA	1-1/2", 150 Lb., Black Malleable Iron Tee	97.04	51.36
		For 300 Lb. Rating, Add	*52.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*23.12*	
23 21 13 23-0086	EA	2", 150 Lb., Black Malleable Iron Tee	129.61	63.78
		For 300 Lb. Rating, Add	*87.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.54*	
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-0087	EA	2-1/2", 150 Lb., Black Malleable Iron Tee	199.15	83.85
		For 300 Lb. Rating, Add	*183.75*	
		For Standard Weight Cast Iron Fittings, Add	*1.17*	
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-0088	EA	3", 150 Lb., Black Malleable Iron Tee	257.46	99.61
		For 300 Lb. Rating, Add	*268.52*	
		For Standard Weight Cast Iron Fittings, Add	*1.73*	
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-0089	EA	4", 150 Lb., Black Malleable Iron Tee	426.18	109.92
		For 300 Lb. Rating, Add	*637.22*	
		For Standard Weight Cast Iron Fittings, Add	*4.18*	
		For Work In Restricted Working Space, Add	*49.44*	
23 21 13 23-0090	EA	5", 150 Lb., Black Malleable Iron Tee	987.80	130.49
		For 300 Lb. Rating, Add	*1,912.83*	
		For Standard Weight Cast Iron Fittings, Add	*12.67*	
		For Work In Restricted Working Space, Add	*58.70*	
23 21 13 23-0091	EA	6", 150 Lb., Black Malleable Iron Tee	1,073.72	149.16
		For 300 Lb. Rating, Add	*2,053.61*	
		For Standard Weight Cast Iron Fittings, Add	*13.60*	
		For Work In Restricted Working Space, Add	*67.09*	

23 21 13 23-0092 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

23 21 13 23-0093	EA	1/2", 150 Lb., Black Malleable Iron Reducing Tee	46.68	26.51
		For 300 Lb. Rating, Add	*18.88*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0094	EA	3/4", 150 Lb., Black Malleable Iron Reducing Tee	54.90	30.70
		For 300 Lb. Rating, Add	*24.26*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*13.78*	
23 21 13 23-0095	EA	1", 150 Lb., Black Malleable Iron Reducing Tee	65.59	36.19
		For 300 Lb. Rating, Add	*30.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*16.29*	
23 21 13 23-0096	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Tee	86.78	43.12
		For 300 Lb. Rating, Add	*57.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-0097	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Tee	101.68	51.36
		For 300 Lb. Rating, Add	*63.71*	
		For Standard Weight Cast Iron Fittings, Add	*0.39*	
		For Work In Restricted Working Space, Add	*23.12*	
23 21 13 23-0098	EA	2", 150 Lb., Black Malleable Iron Reducing Tee	131.29	63.78
		For 300 Lb. Rating, Add	*91.51*	
		For Standard Weight Cast Iron Fittings, Add	*0.57*	
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-0099	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Tee	237.10	83.85
		For 300 Lb. Rating, Add	*274.83*	
		For Standard Weight Cast Iron Fittings, Add	*1.78*	
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-0100	EA	3", 150 Lb., Black Malleable Iron Reducing Tee	276.87	99.61
		For 300 Lb. Rating, Add	*315.10*	
		For Standard Weight Cast Iron Fittings, Add	*2.04*	
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-0101	EA	4", 150 Lb., Black Malleable Iron Reducing Tee	474.16	109.92
		For 300 Lb. Rating, Add	*752.38*	
		For Standard Weight Cast Iron Fittings, Add	*4.95*	
		For Work In Restricted Working Space, Add	*49.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee	913.25	130.49
		For 300 Lb. Rating, Add	*1,733.91*	
		For Standard Weight Cast Iron Fittings, Add	*11.48*	
		For Work In Restricted Working Space, Add	*58.70*	
23 21 13 23-0103	EA	6", 150 Lb., Black Malleable Iron Reducing Tee	1,037.54	149.16
		For 300 Lb. Rating, Add	*1,966.78*	
		For Standard Weight Cast Iron Fittings, Add	*13.02*	
		For Work In Restricted Working Space, Add	*67.09*	
23 21 13 23-0104		**Black Malleable Iron Couplings** *(23 21 13 23-0014)*		
23 21 13 23-0105	EA	3/8", 150 Lb., Black Malleable Iron Coupling	31.96	17.68
		For 300 Lb. Rating, Add	*14.60*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*7.96*	
23 21 13 23-0106	EA	1/2", 150 Lb., Black Malleable Iron Coupling	36.03	21.26
		For 300 Lb. Rating, Add	*11.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0107	EA	3/4", 150 Lb., Black Malleable Iron Coupling	40.54	23.77
		For 300 Lb. Rating, Add	*13.88*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*10.70*	
23 21 13 23-0108	EA	1", 150 Lb., Black Malleable Iron Coupling	47.13	26.51
		For 300 Lb. Rating, Add	*19.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0109	EA	1-1/4", 150 Lb., Black Malleable Iron Coupling	54.55	30.10
		For 300 Lb. Rating, Add	*25.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-0110	EA	1-1/2", 150 Lb., Black Malleable Iron Coupling	63.63	33.92
		For 300 Lb. Rating, Add	*33.79*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-0111	EA	2", 150 Lb., Black Malleable Iron Coupling	83.55	43.12
		For 300 Lb. Rating, Add	*49.45*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-0112	EA	2-1/2", 150 Lb., Black Malleable Iron Coupling	147.94	63.78
		For 300 Lb. Rating, Add	*131.47*	
		For Standard Weight Cast Iron Fittings, Add	*0.84*	
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-0113	EA	3", 150 Lb., Black Malleable Iron Coupling	196.56	83.85
		For 300 Lb. Rating, Add	*177.54*	
		For Standard Weight Cast Iron Fittings, Add	*1.13*	
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-0114	EA	4", 150 Lb., Black Malleable Iron Coupling	273.10	86.99
		For 300 Lb. Rating, Add	*350.19*	
		For Standard Weight Cast Iron Fittings, Add	*2.28*	
		For Work In Restricted Working Space, Add	*39.14*	
23 21 13 23-0115	EA	5", 150 Lb., Black Malleable Iron Coupling	537.78	90.79
		For 300 Lb. Rating, Add	*972.15*	
		For Standard Weight Cast Iron Fittings, Add	*6.43*	
		For Work In Restricted Working Space, Add	*40.84*	
23 21 13 23-0116	EA	6", 150 Lb., Black Malleable Iron Coupling	599.90	94.93
		For 300 Lb. Rating, Add	*1,106.75*	
		For Standard Weight Cast Iron Fittings, Add	*7.32*	
		For Work In Restricted Working Space, Add	*42.69*	
23 21 13 23-0117		**Black Malleable Iron Reducing Couplings** *(23 21 13 23-0014)*		
23 21 13 23-0118	EA	1/2", 150 Lb., Black Malleable Iron Reducing Coupling	37.03	21.26
		For 300 Lb. Rating, Add	*14.34*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0119	EA	3/4", 150 Lb., Black Malleable Iron Reducing Coupling	41.14	23.77
		For 300 Lb. Rating, Add	*15.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*10.70*	
23 21 13 23-0120	EA	1", 150 Lb., Black Malleable Iron Reducing Coupling	48.35	26.51
		For 300 Lb. Rating, Add	*22.88*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0121	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling	56.06	30.10
		For 300 Lb. Rating, Add	*29.08*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-0122	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	64.70	33.92
		For 300 Lb. Rating, Add	*36.36*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-0123	EA	2", 150 Lb., Black Malleable Iron Reducing Coupling	84.68	43.12
		For 300 Lb. Rating, Add	*52.16*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-0124	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	155.01	63.78
		For 300 Lb. Rating, Add	*148.44*	
		For Standard Weight Cast Iron Fittings, Add	*0.95*	
		For Work In Restricted Working Space, Add	*28.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0125	EA	3", 150 Lb., Black Malleable Iron Reducing Coupling	198.01	83.85
		For 300 Lb. Rating, Add	*181.02*	
		For Standard Weight Cast Iron Fittings, Add	*1.16*	
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-0126	EA	4", 150 Lb., Black Malleable Iron Reducing Coupling	275.32	86.99
		For 300 Lb. Rating, Add	*355.52*	
		For Standard Weight Cast Iron Fittings, Add	*2.32*	
		For Work In Restricted Working Space, Add	*39.14*	
23 21 13 23-0127	EA	5", 150 Lb., Black Malleable Iron Reducing Coupling	461.75	90.79
		For 300 Lb. Rating, Add	*789.68*	
		For Standard Weight Cast Iron Fittings, Add	*5.21*	
		For Work In Restricted Working Space, Add	*40.84*	
23 21 13 23-0128	EA	6", 150 Lb., Black Malleable Iron Reducing Coupling	560.55	94.93
		For 300 Lb. Rating, Add	*1,012.31*	
		For Standard Weight Cast Iron Fittings, Add	*6.69*	
		For Work In Restricted Working Space, Add	*42.69*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 Lb., Black Malleable Iron Cap	17.39	9.43
		For 300 Lb. Rating, Add	*8.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*4.30*	
23 21 13 23-0131	EA	3/4", 150 Lb., Black Malleable Iron Cap	20.17	10.63
		For 300 Lb. Rating, Add	*10.87*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*4.81*	
23 21 13 23-0132	EA	1", 150 Lb., Black Malleable Iron Cap	22.92	11.83
		For 300 Lb. Rating, Add	*13.08*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*5.38*	
23 21 13 23-0133	EA	1-1/4", 150 Lb., Black Malleable Iron Cap	26.87	13.38
		For 300 Lb. Rating, Add	*17.03*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*6.08*	
23 21 13 23-0134	EA	1-1/2", 150 Lb., Black Malleable Iron Cap	31.92	15.05
		For 300 Lb. Rating, Add	*23.09*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*6.86*	
23 21 13 23-0135	EA	2", 150 Lb., Black Malleable Iron Cap	42.27	19.23
		For 300 Lb. Rating, Add	*33.47*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*8.72*	
23 21 13 23-0136	EA	2-1/2", 150 Lb., Black Malleable Iron Cap	73.32	28.43
		For 300 Lb. Rating, Add	*75.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.49*	
		For Work In Restricted Working Space, Add	*12.90*	
23 21 13 23-0137	EA	3", 150 Lb., Black Malleable Iron Cap	101.30	37.38
		For 300 Lb. Rating, Add	*110.72*	
		For Standard Weight Cast Iron Fittings, Add	*0.72*	
		For Work In Restricted Working Space, Add	*16.97*	
23 21 13 23-0138	EA	4", 150 Lb., Black Malleable Iron Cap	135.38	38.80
		For 300 Lb. Rating, Add	*187.55*	
		For Standard Weight Cast Iron Fittings, Add	*1.23*	
		For Work In Restricted Working Space, Add	*17.61*	
23 21 13 23-0139	EA	5", 150 Lb., Black Malleable Iron Cap	244.01	40.47
		For 300 Lb. Rating, Add	*442.30*	
		For Standard Weight Cast Iron Fittings, Add	*2.92*	
		For Work In Restricted Working Space, Add	*18.38*	
23 21 13 23-0140	EA	6", 150 Lb., Black Malleable Iron Cap	399.05	42.27
		For 300 Lb. Rating, Add	*807.87*	
		For Standard Weight Cast Iron Fittings, Add	*5.36*	
		For Work In Restricted Working Space, Add	*19.21*	

23 21 13 23-0141 Black Malleable Iron Unions *(23 21 13 23-0014)*

23 21 13 23-0142	EA	3/8", 150 Lb., Black Malleable Iron Union	41.18	17.68
		For Work In Restricted Working Space, Add	*7.96*	
23 21 13 23-0143	EA	1/2", 150 Lb., Black Malleable Iron Union	53.06	26.51
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0144	EA	3/4", 150 Lb., Black Malleable Iron Union	61.17	30.70
		For Work In Restricted Working Space, Add	*13.78*	
23 21 13 23-0145	EA	1", 150 Lb., Black Malleable Iron Union	74.15	36.19
		For Work In Restricted Working Space, Add	*16.29*	
23 21 13 23-0146	EA	1-1/4", 150 Lb., Black Malleable Iron Union	93.04	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-0147	EA	1-1/2", 150 Lb., Black Malleable Iron Union	112.57	51.36
		For Work In Restricted Working Space, Add	*23.12*	
23 21 13 23-0148	EA	2", 150 Lb., Black Malleable Iron Union	136.84	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-0149	EA	2-1/2", 150 Lb., Black Malleable Iron Union	264.05	94.00
		For Work In Restricted Working Space, Add	*42.32*	
23 21 13 23-0150	EA	3", 150 Lb., Black Malleable Iron Union	333.68	123.62
		For Work In Restricted Working Space, Add	*55.68*	
23 21 13 23-0151	EA	3/8", 250 Lb., Black Malleable Iron Union	45.89	17.68
		For Work In Restricted Working Space, Add	*7.96*	
23 21 13 23-0152	EA	1/2", 250 Lb., Black Malleable Iron Union	62.01	26.51
		For Work In Restricted Working Space, Add	*11.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0153	EA	3/4", 250 Lb., Black Malleable Iron Union	67.78	30.70
		For Work In Restricted Working Space, Add	*13.78*	
23 21 13 23-0154	EA	1", 250 Lb., Black Malleable Iron Union	81.07	36.19
		For Work In Restricted Working Space, Add	*16.28*	
23 21 13 23-0155	EA	1-1/4", 250 Lb., Black Malleable Iron Union	109.51	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-0156	EA	1-1/2", 250 Lb., Black Malleable Iron Union	128.81	51.36
		For Work In Restricted Working Space, Add	*23.12*	
23 21 13 23-0157	EA	2", 250 Lb., Black Malleable Iron Union	161.95	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-0158	EA	2-1/2", 250 Lb., Black Malleable Iron Union	349.17	94.00
		For Work In Restricted Working Space, Add	*42.32*	
23 21 13 23-0159	EA	3", 250 Lb., Black Malleable Iron Union	429.16	123.62
		For Work In Restricted Working Space, Add	*55.68*	
23 21 13 23-0160	EA	4", 250 Lb., Black Malleable Iron Union	624.30	128.36
		For Work In Restricted Working Space, Add	*57.77*	
23 21 13 23-0161	EA	3/8", 300 Lb., Black Malleable Iron Union	57.94	17.68
		For Work In Restricted Working Space, Add	*7.96*	
23 21 13 23-0162	EA	1/2", 300 Lb., Black Malleable Iron Union	65.21	26.51
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0163	EA	3/4", 300 Lb., Black Malleable Iron Union	74.07	30.70
		For Work In Restricted Working Space, Add	*13.78*	
23 21 13 23-0164	EA	1", 300 Lb., Black Malleable Iron Union	91.01	36.19
		For Work In Restricted Working Space, Add	*16.28*	
23 21 13 23-0165	EA	1-1/4", 300 Lb., Black Malleable Iron Union	124.46	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-0166	EA	1-1/2", 300 Lb., Black Malleable Iron Union	139.79	51.36
		For Work In Restricted Working Space, Add	*23.12*	
23 21 13 23-0167	EA	2", 300 Lb., Black Malleable Iron Union	173.25	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-0168	EA	2-1/2", 300 Lb., Black Malleable Iron Union	391.57	94.00
		For Work In Restricted Working Space, Add	*42.32*	
23 21 13 23-0169	EA	3", 300 Lb., Black Malleable Iron Union	509.68	123.62
		For Work In Restricted Working Space, Add	*55.68*	
23 21 13 23-0170	EA	4", 300 Lb., Black Malleable Iron Union	1,221.17	128.36
		For Work In Restricted Working Space, Add	*57.77*	

23 21 13 23-0171 Black Steel Nipples *(23 21 13 23-0014)*

23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	20.49	11.34
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	19.96	11.34
		For Schedule 80 Nipples, Add	*1.45*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	20.38	11.34
		For Schedule 80 Nipples, Add	*1.66*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	23.21	12.30
		For Schedule 80 Nipples, Add	*2.42*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	26.02	13.26
		For Schedule 80 Nipples, Add	*3.06*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	27.52	13.26
		For Schedule 80 Nipples, Add	*3.81*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	36.06	17.08
		For Schedule 80 Nipples, Add	*5.19*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	64.31	21.26
		For Schedule 80 Nipples, Add	*16.23*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	77.10	25.68
		For Schedule 80 Nipples, Add	*19.29*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	102.82	29.85
		For Schedule 80 Nipples, Add	*29.05*	
		For Work In Restricted Working Space, Add	*13.42*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.96	11.34
		For Schedule 80 Nipples, Add	*1.95*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	19.96	11.34
		For Schedule 80 Nipples, Add	*1.45*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.64	11.34
		For Schedule 80 Nipples, Add	*1.79*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	20.96	11.34
		For Schedule 80 Nipples, Add	*1.95*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	19.96	11.34
		For Schedule 80 Nipples, Add	*1.45*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	20.64	11.34
		For Schedule 80 Nipples, Add	*1.79*	
		For Work In Restricted Working Space, Add	*5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	23.67	12.30
		For Schedule 80 Nipples, Add	*2.65*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	26.85	13.26
		For Schedule 80 Nipples, Add	*3.47*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	28.13	13.26
		For Schedule 80 Nipples, Add	*4.11*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	22.06	11.34
		For Schedule 80 Nipples, Add	*2.50*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	20.49	11.34
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	21.10	11.34
		For Schedule 80 Nipples, Add	*2.02*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	23.99	12.30
		For Schedule 80 Nipples, Add	*2.81*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	27.27	13.26
		For Schedule 80 Nipples, Add	*3.68*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	29.10	13.26
		For Schedule 80 Nipples, Add	*4.60*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	37.59	17.08
		For Schedule 80 Nipples, Add	*5.95*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	22.06	11.34
		For Schedule 80 Nipples, Add	*2.50*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	20.49	11.34
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	21.10	11.34
		For Schedule 80 Nipples, Add	*2.02*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	23.99	12.30
		For Schedule 80 Nipples, Add	*2.81*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	27.27	13.26
		For Schedule 80 Nipples, Add	*3.68*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	29.10	13.26
		For Schedule 80 Nipples, Add	*4.60*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	37.59	17.08
		For Schedule 80 Nipples, Add	*5.95*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	65.17	21.26
		For Schedule 80 Nipples, Add	*16.66*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	80.46	25.68
		For Schedule 80 Nipples, Add	*20.97*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	22.96	11.34
		For Schedule 80 Nipples, Add	*2.95*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	21.17	11.34
		For Schedule 80 Nipples, Add	*2.06*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	22.06	11.34
		For Schedule 80 Nipples, Add	*2.50*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	25.32	12.30
		For Schedule 80 Nipples, Add	*3.47*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	28.63	13.26
		For Schedule 80 Nipples, Add	*4.36*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	30.21	13.26
		For Schedule 80 Nipples, Add	*5.15*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	40.10	17.08
		For Schedule 80 Nipples, Add	*7.21*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	71.03	21.26
		For Schedule 80 Nipples, Add	*19.59*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	88.19	25.68
		For Schedule 80 Nipples, Add	*24.83*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	22.96	11.34
		For Schedule 80 Nipples, Add	*2.95*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	21.17	11.34
		For Schedule 80 Nipples, Add	*2.06*	
		For Work In Restricted Working Space, Add	*5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	22.06	11.34
		For Schedule 80 Nipples, Add	*2.50*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	25.32	12.30
		For Schedule 80 Nipples, Add	*3.47*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	28.63	13.26
		For Schedule 80 Nipples, Add	*4.36*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	30.21	13.26
		For Schedule 80 Nipples, Add	*5.15*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	40.10	17.08
		For Schedule 80 Nipples, Add	*7.21*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	71.03	21.26
		For Schedule 80 Nipples, Add	*19.59*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	88.19	25.68
		For Schedule 80 Nipples, Add	*24.83*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	111.94	29.85
		For Schedule 80 Nipples, Add	*33.61*	
		For Work In Restricted Working Space, Add	*13.42*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	25.57	11.34
		For Schedule 80 Nipples, Add	*4.26*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	21.89	11.34
		For Schedule 80 Nipples, Add	*2.42*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	23.35	11.34
		For Schedule 80 Nipples, Add	*3.15*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	26.60	12.30
		For Schedule 80 Nipples, Add	*4.11*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	30.35	13.26
		For Schedule 80 Nipples, Add	*5.22*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	32.49	13.26
		For Schedule 80 Nipples, Add	*6.29*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	42.28	17.08
		For Schedule 80 Nipples, Add	*8.30*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	74.89	21.26
		For Schedule 80 Nipples, Add	*21.52*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	93.30	25.68
		For Schedule 80 Nipples, Add	*27.39*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	121.52	29.85
		For Schedule 80 Nipples, Add	*38.40*	
		For Work In Restricted Working Space, Add	*13.42*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	25.57	11.34
		For Schedule 80 Nipples, Add	*4.26*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	21.89	11.34
		For Schedule 80 Nipples, Add	*2.42*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	23.35	11.34
		For Schedule 80 Nipples, Add	*3.15*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	26.60	12.30
		For Schedule 80 Nipples, Add	*4.11*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	30.35	13.26
		For Schedule 80 Nipples, Add	*5.22*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	32.49	13.26
		For Schedule 80 Nipples, Add	*6.29*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	42.28	17.08
		For Schedule 80 Nipples, Add	*8.30*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	74.89	21.26
		For Schedule 80 Nipples, Add	*21.52*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	93.30	25.68
		For Schedule 80 Nipples, Add	*27.39*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	121.52	29.85
		For Schedule 80 Nipples, Add	*38.40*	
		For Work In Restricted Working Space, Add	*13.42*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	26.53	11.34
		For Schedule 80 Nipples, Add	*4.74*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	22.46	11.34
		For Schedule 80 Nipples, Add	*2.70*	
		For Work In Restricted Working Space, Add	*5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	24.21	11.34
		For Schedule 80 Nipples, Add	*3.58*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	28.10	12.30
		For Schedule 80 Nipples, Add	*4.86*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	32.28	13.26
		For Schedule 80 Nipples, Add	*6.19*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	34.35	13.26
		For Schedule 80 Nipples, Add	*7.22*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	45.14	17.08
		For Schedule 80 Nipples, Add	*9.73*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	76.72	21.26
		For Schedule 80 Nipples, Add	*22.44*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	98.05	25.68
		For Schedule 80 Nipples, Add	*29.76*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	126.81	29.85
		For Schedule 80 Nipples, Add	*41.04*	
		For Work In Restricted Working Space, Add	*13.42*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	33.68	11.34
		For Schedule 80 Nipples, Add	*8.31*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	26.78	11.34
		For Schedule 80 Nipples, Add	*4.86*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	28.96	11.34
		For Schedule 80 Nipples, Add	*5.95*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	34.29	12.30
		For Schedule 80 Nipples, Add	*7.96*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	39.89	13.26
		For Schedule 80 Nipples, Add	*9.99*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	42.83	13.26
		For Schedule 80 Nipples, Add	*11.46*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	58.29	17.08
		For Schedule 80 Nipples, Add	*16.30*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	88.94	21.26
		For Schedule 80 Nipples, Add	*28.55*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	118.82	25.68
		For Schedule 80 Nipples, Add	*40.15*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	139.47	29.85
		For Schedule 80 Nipples, Add	*47.37*	
		For Work In Restricted Working Space, Add	*13.42*	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	35.72	11.34
		For Schedule 80 Nipples, Add	*9.33*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	28.75	11.34
		For Schedule 80 Nipples, Add	*5.85*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	30.90	11.34
		For Schedule 80 Nipples, Add	*6.92*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	36.97	12.30
		For Schedule 80 Nipples, Add	*9.30*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	43.86	13.26
		For Schedule 80 Nipples, Add	*11.98*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	46.72	13.26
		For Schedule 80 Nipples, Add	*13.41*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	64.01	17.08
		For Schedule 80 Nipples, Add	*19.16*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	95.99	21.26
		For Schedule 80 Nipples, Add	*32.07*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	128.73	25.68
		For Schedule 80 Nipples, Add	*45.10*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	152.62	29.85
		For Schedule 80 Nipples, Add	*53.95*	
		For Work In Restricted Working Space, Add	*13.42*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	38.30	11.34
		For Schedule 80 Nipples, Add	*10.62*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	30.93	11.34
		For Schedule 80 Nipples, Add	*6.94*	
		For Work In Restricted Working Space, Add	*5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	32.43	11.34
		For Schedule 80 Nipples, Add	*7.69*	
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	39.72	12.30
		For Schedule 80 Nipples, Add	*10.67*	
		For Work In Restricted Working Space, Add	*5.51*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	47.08	13.26
		For Schedule 80 Nipples, Add	*13.59*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	50.80	13.26
		For Schedule 80 Nipples, Add	*15.45*	
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	69.81	17.08
		For Schedule 80 Nipples, Add	*22.06*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	103.21	21.26
		For Schedule 80 Nipples, Add	*35.68*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	138.63	25.68
		For Schedule 80 Nipples, Add	*50.05*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	171.21	29.85
		For Schedule 80 Nipples, Add	*63.24*	
		For Work In Restricted Working Space, Add	*13.42*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	33.83	19.47
		For Work In Restricted Working Space, Add	*8.76*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	38.05	20.91
		For Work In Restricted Working Space, Add	*9.41*	
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	40.44	22.46
		For Work In Restricted Working Space, Add	*10.13*	
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	42.66	22.34
		For Work In Restricted Working Space, Add	*10.03*	
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	42.72	23.89
		For Work In Restricted Working Space, Add	*10.75*	
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	44.62	25.20
		For Work In Restricted Working Space, Add	*11.32*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	46.42	24.01
		For Work In Restricted Working Space, Add	*10.82*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	48.34	25.68
		For Work In Restricted Working Space, Add	*11.54*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	49.25	26.88
		For Work In Restricted Working Space, Add	*12.11*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	51.33	28.30
		For Work In Restricted Working Space, Add	*12.73*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	52.60	26.04
		For Work In Restricted Working Space, Add	*11.69*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	52.59	27.59
		For Work In Restricted Working Space, Add	*12.40*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	54.49	28.79
		For Work In Restricted Working Space, Add	*12.97*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	55.20	30.22
		For Work In Restricted Working Space, Add	*13.60*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	59.22	32.01
		For Work In Restricted Working Space, Add	*14.38*	
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	65.09	30.58
		For Work In Restricted Working Space, Add	*13.75*	
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	65.19	32.13
		For Work In Restricted Working Space, Add	*14.46*	
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	64.48	33.44
		For Work In Restricted Working Space, Add	*15.03*	
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	65.64	34.76
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	68.27	36.55
		For Work In Restricted Working Space, Add	*16.44*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	72.67	38.46
		For Work In Restricted Working Space, Add	*17.31*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	90.07	43.72
		For Work In Restricted Working Space, Add	*19.68*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	92.14	45.15
		For Work In Restricted Working Space, Add	*20.30*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	94.78	46.82
		For Work In Restricted Working Space, Add	*21.10*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	95.99	48.85
		For Work In Restricted Working Space, Add	*21.96*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	102.67	53.39
		For Work In Restricted Working Space, Add	*24.02*	
23 21 13 23-0313	EA	3" x 3/4", 150 Lb., Black Malleable Iron Bushing	114.53	53.75
		For Work In Restricted Working Space, Add	*24.21*	
23 21 13 23-0314	EA	3" x 1", 150 Lb., Black Malleable Iron Bushing	116.60	55.18
		For Work In Restricted Working Space, Add	*24.83*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	119.23	56.97
		For Work In Restricted Working Space, Add	*25.62*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	121.46	58.88
		For Work In Restricted Working Space, Add	*26.48*	
23 21 13 23-0317	EA	3" x 2", 150 Lb., Black Malleable Iron Bushing	126.14	63.42
		For Work In Restricted Working Space, Add	*28.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0318	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	142.11	73.81
		For Work In Restricted Working Space, Add	*33.19*	
23 21 13 23-0319	EA	4" x 3/4", 150 Lb., Black Malleable Iron Bushing	146.81	54.57
		For Work In Restricted Working Space, Add	*24.58*	
23 21 13 23-0320	EA	4" x 1", 150 Lb., Black Malleable Iron Bushing	148.75	55.91
		For Work In Restricted Working Space, Add	*25.16*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	151.21	57.58
		For Work In Restricted Working Space, Add	*25.90*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	153.91	59.38
		For Work In Restricted Working Space, Add	*26.71*	
23 21 13 23-0323	EA	4" x 2", 150 Lb., Black Malleable Iron Bushing	156.86	63.63
		For Work In Restricted Working Space, Add	*28.64*	
23 21 13 23-0324	EA	4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	171.36	73.35
		For Work In Restricted Working Space, Add	*32.99*	
23 21 13 23-0325	EA	4" x 3", 150 Lb., Black Malleable Iron Bushing	185.49	82.74
		For Work In Restricted Working Space, Add	*37.22*	

23 21 13 23-0326 Black Malleable Iron Square Head Plugs *(23 21 13 23-0014)*

23 21 13 23-0327	EA	3/8", 150 Lb., Black Malleable Iron Square Head Plug	14.16	7.05
		For Work In Restricted Working Space, Add	*3.19*	
23 21 13 23-0328	EA	1/2", 150 Lb., Black Malleable Iron Square Head Plug	16.52	8.48
		For Work In Restricted Working Space, Add	*3.82*	
23 21 13 23-0329	EA	3/4", 150 Lb., Black Malleable Iron Square Head Plug	18.04	9.55
		For Work In Restricted Working Space, Add	*4.28*	
23 21 13 23-0330	EA	1", 150 Lb., Black Malleable Iron Square Head Plug	20.67	10.63
		For Work In Restricted Working Space, Add	*4.78*	
23 21 13 23-0331	EA	1-1/4", 150 Lb., Black Malleable Iron Square Head Plug	24.02	12.06
		For Work In Restricted Working Space, Add	*5.41*	
23 21 13 23-0332	EA	1-1/2", 150 Lb., Black Malleable Iron Square Head Plug	28.68	13.50
		For Work In Restricted Working Space, Add	*6.10*	
23 21 13 23-0333	EA	2", 150 Lb., Black Malleable Iron Square Head Plug	37.69	17.20
		For Work In Restricted Working Space, Add	*7.75*	
23 21 13 23-0334	EA	2-1/2", 150 Lb., Black Malleable Iron Square Head Plug	59.82	25.44
		For Work In Restricted Working Space, Add	*11.47*	
23 21 13 23-0335	EA	3", 150 Lb., Black Malleable Iron Square Head Plug	79.96	33.56
		For Work In Restricted Working Space, Add	*15.09*	
23 21 13 23-0336	EA	4", 150 Lb., Black Malleable Iron Square Head Plug	114.39	34.77
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-0337	EA	5", 150 Lb., Black Malleable Iron Square Head Plug	188.08	36.34
		For Work In Restricted Working Space, Add	*16.34*	
23 21 13 23-0338	EA	6", 150 Lb., Black Malleable Iron Square Head Plug	222.43	37.90
		For Work In Restricted Working Space, Add	*17.08*	

23 21 13 23-0339 125 Lb., Black Cast Iron Screwed Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0340	EA	3/4", 125 Lb., Black Cast Iron Flange	139.40	47.77
		For Work In Restricted Working Space, Add	*21.50*	
23 21 13 23-0341	EA	1", 125 Lb., Black Cast Iron Flange	124.06	53.98
		For Work In Restricted Working Space, Add	*24.29*	
23 21 13 23-0342	EA	1-1/4", 125 Lb., Black Cast Iron Flange	135.35	55.90
		For Work In Restricted Working Space, Add	*25.14*	
23 21 13 23-0343	EA	1-1/2", 125 Lb., Black Cast Iron Flange	138.80	60.80
		For Work In Restricted Working Space, Add	*27.35*	
23 21 13 23-0344	EA	2", 125 Lb., Black Cast Iron Flange	142.69	63.42
		For Work In Restricted Working Space, Add	*28.55*	
23 21 13 23-0345	EA	2-1/2", 125 Lb., Black Cast Iron Flange	165.66	73.46
		For Work In Restricted Working Space, Add	*33.02*	
23 21 13 23-0346	EA	3", 125 Lb., Black Cast Iron Flange	211.31	93.17
		For Work In Restricted Working Space, Add	*41.91*	
23 21 13 23-0347	EA	4", 125 Lb., Black Cast Iron Flange	275.43	119.31
		For Work In Restricted Working Space, Add	*53.67*	
23 21 13 23-0348	EA	5", 125 Lb., Black Cast Iron Flange	349.34	142.12
		For Work In Restricted Working Space, Add	*63.90*	
23 21 13 23-0349	EA	6", 125 Lb., Black Cast Iron Flange	398.88	163.15
		For Work In Restricted Working Space, Add	*73.38*	

23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0351	EA	1/2", 150 Lb., Black Malleable Iron Flange	80.42	43.59
		For Work In Restricted Working Space, Add	*19.63*	
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	87.82	47.77
		For Work In Restricted Working Space, Add	*21.50*	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	101.95	53.98
		For Work In Restricted Working Space, Add	*24.29*	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	106.24	55.90
		For Work In Restricted Working Space, Add	*25.14*	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	115.64	60.80
		For Work In Restricted Working Space, Add	*27.35*	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	127.07	63.42
		For Work In Restricted Working Space, Add	*28.55*	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	160.10	73.46
		For Work In Restricted Working Space, Add	*33.02*	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	202.90	93.17
		For Work In Restricted Working Space, Add	*41.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	286.28	119.31
		For Work In Restricted Working Space, Add	*53.66*	

23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	38.92	
		For Work In Restricted Working Space, Add	*11.68*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	42.81	
		For Work In Restricted Working Space, Add	*12.84*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	46.70	
		For Work In Restricted Working Space, Add	*14.01*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	50.59	
		For Work In Restricted Working Space, Add	*15.18*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	53.18	
		For Work In Restricted Working Space, Add	*15.95*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	55.78	
		For Work In Restricted Working Space, Add	*16.73*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	58.38	
		For Work In Restricted Working Space, Add	*17.51*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	60.96	
		For Work In Restricted Working Space, Add	*18.29*	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	63.56	
		For Work In Restricted Working Space, Add	*19.07*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	68.75	
		For Work In Restricted Working Space, Add	*20.63*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	73.93	
		For Work In Restricted Working Space, Add	*22.18*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	80.42	
		For Work In Restricted Working Space, Add	*24.13*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	85.61	
		For Work In Restricted Working Space, Add	*25.68*	

23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	29.01	9.08
		For Work In Restricted Working Space, Add	*6.64*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.58	9.68
		For Work In Restricted Working Space, Add	*7.43*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	39.51	10.29
		For Work In Restricted Working Space, Add	*8.53*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	42.80	10.29
		For Work In Restricted Working Space, Add	*8.92*	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	49.13	10.29
		For Work In Restricted Working Space, Add	*10.32*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	56.87	10.29
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	67.52	10.05
		For Work In Restricted Working Space, Add	*12.63*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	89.37	12.24
		For Work In Restricted Working Space, Add	*15.19*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	122.80	18.25
		For Work In Restricted Working Space, Add	*17.49*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	185.31	22.66
		For Work In Restricted Working Space, Add	*25.95*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	246.79	28.33
		For Work In Restricted Working Space, Add	*30.94*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	310.73	34.22
		For Work In Restricted Working Space, Add	*35.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	331.10	44.65
		For Work In Restricted Working Space, Add	*39.89*	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	381.00	56.66
		For Work In Restricted Working Space, Add	*44.57*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	483.96	70.15
		For Work In Restricted Working Space, Add	*48.91*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	601.89	86.69
		For Work In Restricted Working Space, Add	*55.98*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	741.95	98.25
		For Work In Restricted Working Space, Add	*61.55*	

23 21 13 23-0393 Welded Black Steel Pipe And Fittings *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.

23 21 13 23-0394 Welded Plain End (A-53) Black Steel Piping *(23 21 13 23-0393)*

23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	13.17	4.85
		For Schedule 80 Pipe, Add	*2.15*	
		For Work In Restricted Working Space, Add	*2.90*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	16.75	6.05
		For Schedule 80 Pipe, Add	*2.74*	
		For Work In Restricted Working Space, Add	*3.63*	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	21.34	7.26
		For Schedule 80 Pipe, Add	*3.54*	
		For Work In Restricted Working Space, Add	*4.36*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	25.99	8.48
		For Schedule 80 Pipe, Add	*4.35*	
		For Work In Restricted Working Space, Add	*5.08*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	30.93	10.05
		For Schedule 80 Pipe, Add	*5.18*	
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	35.39	11.37
		For Schedule 80 Pipe, Add	*8.40*	
		For Work In Restricted Working Space, Add	*6.83*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	44.50	12.22
		For Schedule 80 Pipe, Add	*11.30*	
		For Work In Restricted Working Space, Add	*7.34*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	62.41	15.13
		For Schedule 80 Pipe, Add	*16.55*	
		For Work In Restricted Working Space, Add	*9.08*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	91.39	24.51
		For Schedule 80 Pipe, Add	*25.42*	
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	129.95	24.36
		For Schedule 80 Pipe, Add	*36.95*	
		For Schedule 30 Pipe, Deduct	*-21.12*	
		For Work In Restricted Working Space, Add	*14.62*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	173.66	29.35
		For Schedule 80 Pipe, Add	*50.51*	
		For Schedule 30 Pipe, Deduct	*-28.86*	
		For Work In Restricted Working Space, Add	*17.61*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	222.98	35.47
		For Schedule 80 Pipe, Add	*65.63*	
		For Schedule 30 Pipe, Deduct	*-37.50*	
		For Work In Restricted Working Space, Add	*21.28*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	213.42	37.40
		For Schedule 80 Pipe, Add	*61.61*	
		For Schedule 30 Pipe, Deduct	*-35.21*	
		For Schedule 20 Pipe, Deduct	*-63.48*	
		For Work In Restricted Working Space, Add	*22.44*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	235.41	40.23
		For Schedule 80 Pipe, Add	*68.31*	
		For Schedule 30 Pipe, Deduct	*-39.04*	
		For Schedule 20 Pipe, Deduct	*-70.33*	
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	301.80	43.51
		For Schedule 80 Pipe, Add	*90.40*	
		For Schedule 30 Pipe, Deduct	*-51.66*	
		For Schedule 20 Pipe, Deduct	*-92.58*	
		For Work In Restricted Working Space, Add	*26.11*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	356.42	52.13
		For Schedule 80 Pipe, Add	*106.50*	
		For Work In Restricted Working Space, Add	*31.28*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	445.65	59.95
		For Schedule 80 Pipe, Add	*135.00*	
		For Work In Restricted Working Space, Add	*35.97*	

23 21 13 23-0412 Welded Plain End (A-106) Seamless Carbon Steel Piping *(23 21 13 23-0393)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0413	LF	1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	11.95	3.39
		For Work In Restricted Working Space, Add	*2.03*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.93*	
23 21 13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	12.14	3.75
		For Work In Restricted Working Space, Add	*2.22*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.87*	
23 21 13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	15.35	4.85
		For Work In Restricted Working Space, Add	*2.90*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.55*	
23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	18.84	6.05
		For Work In Restricted Working Space, Add	*3.63*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*4.31*	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	23.76	7.26
		For Work In Restricted Working Space, Add	*4.36*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*5.59*	
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	27.73	8.48
		For Work In Restricted Working Space, Add	*5.08*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*6.53*	
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	32.96	10.05
		For Work In Restricted Working Space, Add	*6.03*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*7.77*	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	43.34	11.37
		For Work In Restricted Working Space, Add	*6.83*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*14.94*	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	49.64	12.22
		For Work In Restricted Working Space, Add	*7.34*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*17.77*	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	61.69	15.13
		For Work In Restricted Working Space, Add	*9.08*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*22.14*	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	96.06	24.57
		For Work In Restricted Working Space, Add	*11.26*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*38.41*	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	136.83	24.36
		For Work In Restricted Working Space, Add	*14.62*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*56.65*	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	184.35	29.35
		For Work In Restricted Working Space, Add	*17.61*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*79.17*	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	224.78	35.47
		For Work In Restricted Working Space, Add	*21.28*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*96.79*	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	263.99	37.40
		For Work In Restricted Working Space, Add	*22.44*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*117.17*	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	304.99	40.23
		For Work In Restricted Working Space, Add	*24.14*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*137.81*	
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	370.30	43.51
		For Work In Restricted Working Space, Add	*26.11*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*171.69*	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	446.26	52.13
		For Work In Restricted Working Space, Add	*31.28*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*207.16*	
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	562.97	59.95
		For Work In Restricted Working Space, Add	*35.97*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*266.11*	

23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	125.81	71.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.44*	
		For Work In Restricted Working Space, Add	*32.30*	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	131.46	75.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*27.54*	
		For Work In Restricted Working Space, Add	*33.99*	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	147.31	86.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.63*	
		For Work In Restricted Working Space, Add	*38.75*	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	157.51	92.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.62*	
		For Work In Restricted Working Space, Add	*41.81*	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	199.43	120.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*40.79*	
		For Work In Restricted Working Space, Add	*54.38*	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	250.79	151.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.45*	
		For Work In Restricted Working Space, Add	*67.98*	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	274.19	163.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*56.50*	
		For Work In Restricted Working Space, Add	*73.58*	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	471.76	282.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*97.01*	
		For Work In Restricted Working Space, Add	*127.18*	
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	817.28	466.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*171.72*	
		For Work In Restricted Working Space, Add	*209.90*	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,138.96	614.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*245.01*	
		For Work In Restricted Working Space, Add	*276.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,452.98	701.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*325.41*	
		For Work In Restricted Working Space, Add	*315.68*	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,957.84	918.34
		For Schedule 80 Or Extra Heavy Fittings, Add	*442.79*	
		For Work In Restricted Working Space, Add	*413.03*	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,413.91	1,085.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*553.29*	
		For Work In Restricted Working Space, Add	*488.23*	
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,976.87	1,267.58
		For Schedule 80 Or Extra Heavy Fittings, Add	*693.52*	
		For Work In Restricted Working Space, Add	*570.11*	
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,504.55	1,413.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*828.87*	
		For Work In Restricted Working Space, Add	*635.71*	
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,412.47	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,074.26*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,116.66	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,277.20*	
		For Work In Restricted Working Space, Add	*736.58*	

23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	621.47	283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*141.85*	
		For Work In Restricted Working Space, Add	*127.42*	
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,076.54	461.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*250.33*	
		For Work In Restricted Working Space, Add	*207.51*	
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,142.52	461.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*270.13*	
		For Work In Restricted Working Space, Add	*207.51*	
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,732.53	614.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*423.08*	
		For Work In Restricted Working Space, Add	*276.21*	
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,889.86	614.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*470.28*	
		For Work In Restricted Working Space, Add	*276.21*	
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,349.89	701.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*594.48*	
		For Work In Restricted Working Space, Add	*315.68*	
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,349.89	701.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*594.48*	
		For Work In Restricted Working Space, Add	*315.68*	
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,812.25	935.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*996.36*	
		For Work In Restricted Working Space, Add	*420.90*	
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,812.25	935.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*996.36*	
		For Work In Restricted Working Space, Add	*420.90*	
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,240.20	935.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,124.75*	
		For Work In Restricted Working Space, Add	*420.90*	

23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	117.30	68.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*24.39*	
		For Work In Restricted Working Space, Add	*30.87*	
23 21 13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	120.93	71.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.09*	
		For Work In Restricted Working Space, Add	*31.96*	
23 21 13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	136.67	81.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.16*	
		For Work In Restricted Working Space, Add	*36.68*	
23 21 13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	146.35	88.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.05*	
		For Work In Restricted Working Space, Add	*39.58*	
23 21 13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	185.09	113.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.61*	
		For Work In Restricted Working Space, Add	*51.20*	
23 21 13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	231.02	142.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*46.81*	
		For Work In Restricted Working Space, Add	*64.28*	
23 21 13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	266.35	163.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.16*	
		For Work In Restricted Working Space, Add	*73.57*	
23 21 13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	458.75	282.64
		For Schedule 80 Or Extra Heavy Fittings, Add	*93.12*	
		For Work In Restricted Working Space, Add	*127.15*	
23 21 13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	784.74	466.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*162.04*	
		For Work In Restricted Working Space, Add	*209.66*	
23 21 13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,080.07	614.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*227.35*	
		For Work In Restricted Working Space, Add	*276.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,344.85	701.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*292.97*	
		For Work In Restricted Working Space, Add	*315.68*	
23 21 13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,798.48	916.64
		For Schedule 80 Or Extra Heavy Fittings, Add	*395.25*	
		For Work In Restricted Working Space, Add	*412.26*	
23 21 13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,203.84	1,086.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*490.05*	
		For Work In Restricted Working Space, Add	*488.88*	
23 21 13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,684.41	1,266.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*605.99*	
		For Work In Restricted Working Space, Add	*569.52*	
23 21 13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,128.23	1,411.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*716.23*	
		For Work In Restricted Working Space, Add	*634.98*	
23 21 13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,862.94	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*909.40*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,398.47	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,061.74*	
		For Work In Restricted Working Space, Add	*736.58*	

23 21 13 23-0479 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	237.19	129.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.82*	
		For Work In Restricted Working Space, Add	*58.10*	
23 21 13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee	237.12	129.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.81*	
		For Work In Restricted Working Space, Add	*58.08*	
23 21 13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	267.82	143.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.73*	
		For Work In Restricted Working Space, Add	*64.61*	
23 21 13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	294.53	161.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*62.94*	
		For Work In Restricted Working Space, Add	*72.63*	
23 21 13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee	369.59	215.58
		For Schedule 80 Or Extra Heavy Fittings, Add	*76.94*	
		For Work In Restricted Working Space, Add	*96.96*	
23 21 13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	420.77	242.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*88.10*	
		For Work In Restricted Working Space, Add	*108.95*	
23 21 13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee	504.39	294.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*105.05*	
		For Work In Restricted Working Space, Add	*132.18*	
23 21 13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee	725.82	424.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*150.85*	
		For Work In Restricted Working Space, Add	*191.12*	
23 21 13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,214.09	702.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*253.71*	
		For Work In Restricted Working Space, Add	*315.77*	
23 21 13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,702.07	935.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*363.31*	
		For Work In Restricted Working Space, Add	*420.90*	
23 21 13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee	2,138.28	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*469.62*	
		For Work In Restricted Working Space, Add	*491.05*	
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,867.15	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*639.17*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee	3,681.44	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*846.63*	
		For Work In Restricted Working Space, Add	*736.58*	
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee	4,428.68	1,965.18
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,019.24*	
		For Work In Restricted Working Space, Add	*883.89*	
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee	5,695.10	2,183.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,364.80*	
		For Work In Restricted Working Space, Add	*982.10*	
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee	7,421.26	2,456.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,839.68*	
		For Work In Restricted Working Space, Add	*1,104.86*	
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee	8,526.00	2,645.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,141.35*	
		For Work In Restricted Working Space, Add	*1,189.85*	

23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	231.13	125.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.64*	
		For Work In Restricted Working Space, Add	*56.29*	
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	237.12	129.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.81*	
		For Work In Restricted Working Space, Add	*58.08*	
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	265.04	143.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*56.90*	
		For Work In Restricted Working Space, Add	*64.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	291.75	161.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*62.11*	
		For Work In Restricted Working Space, Add	*72.63*	
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	375.86	215.58
		For Schedule 80 Or Extra Heavy Fittings, Add	*78.81*	
		For Work In Restricted Working Space, Add	*96.99*	
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	420.91	242.33
		For Schedule 80 Or Extra Heavy Fittings, Add	*88.13*	
		For Work In Restricted Working Space, Add	*108.98*	
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	504.68	294.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*105.14*	
		For Work In Restricted Working Space, Add	*132.18*	
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	726.23	424.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*150.98*	
		For Work In Restricted Working Space, Add	*191.12*	
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,214.80	702.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*253.92*	
		For Work In Restricted Working Space, Add	*315.77*	
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,703.42	935.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*363.71*	
		For Work In Restricted Working Space, Add	*420.90*	
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,140.57	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*470.30*	
		For Work In Restricted Working Space, Add	*491.05*	
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,870.61	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*640.21*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,687.02	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*848.30*	
		For Work In Restricted Working Space, Add	*736.58*	
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,435.43	1,965.18
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,021.27*	
		For Work In Restricted Working Space, Add	*883.89*	
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	5,706.13	2,183.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,368.10*	
		For Work In Restricted Working Space, Add	*982.10*	
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	7,528.42	2,456.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,871.82*	
		For Work In Restricted Working Space, Add	*1,104.86*	
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	9,004.65	2,645.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,284.95*	
		For Work In Restricted Working Space, Add	*1,189.85*	

23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	144.60	78.71
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.99*	
		For Work In Restricted Working Space, Add	*35.40*	
23 21 13 23-0517	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	156.09	86.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.23*	
		For Work In Restricted Working Space, Add	*38.85*	
23 21 13 23-0518	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	153.08	84.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.64*	
		For Work In Restricted Working Space, Add	*37.94*	
23 21 13 23-0519	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	170.02	95.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.95*	
		For Work In Restricted Working Space, Add	*43.03*	
23 21 13 23-0520	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	161.54	90.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.29*	
		For Work In Restricted Working Space, Add	*40.48*	
23 21 13 23-0521	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	158.53	88.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.71*	
		For Work In Restricted Working Space, Add	*39.58*	
23 21 13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	187.36	114.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.23*	
		For Work In Restricted Working Space, Add	*51.38*	
23 21 13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	191.90	110.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*40.16*	
		For Work In Restricted Working Space, Add	*49.74*	
23 21 13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	183.42	104.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.51*	
		For Work In Restricted Working Space, Add	*47.20*	
23 21 13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	236.53	145.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.09*	
		For Work In Restricted Working Space, Add	*65.35*	
23 21 13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	217.36	130.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.69*	
		For Work In Restricted Working Space, Add	*58.64*	
23 21 13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	229.63	126.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.94*	
		For Work In Restricted Working Space, Add	*57.00*	
23 21 13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	265.00	163.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.82*	
		For Work In Restricted Working Space, Add	*73.36*	
23 21 13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	266.45	163.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.26*	
		For Work In Restricted Working Space, Add	*73.36*	
23 21 13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	269.51	163.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.18*	
		For Work In Restricted Working Space, Add	*73.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	451.47	283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*90.84*	
		For Work In Restricted Working Space, Add	*127.42*	
23 21 13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	452.92	283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*91.28*	
		For Work In Restricted Working Space, Add	*127.42*	
23 21 13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	457.27	283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*92.58*	
		For Work In Restricted Working Space, Add	*127.42*	
23 21 13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	746.78	461.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*151.41*	
		For Work In Restricted Working Space, Add	*207.51*	
23 21 13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	778.03	461.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*160.78*	
		For Work In Restricted Working Space, Add	*207.51*	
23 21 13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,122.82	702.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*226.33*	
		For Work In Restricted Working Space, Add	*315.77*	
23 21 13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,180.97	702.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*243.77*	
		For Work In Restricted Working Space, Add	*315.77*	
23 21 13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,302.43	807.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*263.63*	
		For Work In Restricted Working Space, Add	*363.14*	
23 21 13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,372.35	807.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*284.61*	
		For Work In Restricted Working Space, Add	*363.14*	
23 21 13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,464.33	807.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*312.20*	
		For Concentric Reducers, Deduct	*-81.24*	
		For Work In Restricted Working Space, Add	*363.14*	
23 21 13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,543.86	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*316.12*	
		For Work In Restricted Working Space, Add	*420.10*	
23 21 13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,625.53	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*340.62*	
		For Work In Restricted Working Space, Add	*420.10*	
23 21 13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,763.59	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*382.04*	
		For Concentric Reducers, Deduct	*-116.24*	
		For Work In Restricted Working Space, Add	*420.10*	
23 21 13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,541.54	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*315.43*	
		For Concentric Reducers, Deduct	*-45.19*	
		For Work In Restricted Working Space, Add	*420.10*	
23 21 13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,888.76	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*394.76*	
		For Work In Restricted Working Space, Add	*491.05*	
23 21 13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,931.77	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*407.66*	
		For Work In Restricted Working Space, Add	*491.05*	
23 21 13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,360.58	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*536.31*	
		For Work In Restricted Working Space, Add	*491.05*	
23 21 13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,226.75	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*474.67*	
		For Work In Restricted Working Space, Add	*552.43*	
23 21 13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,353.37	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*512.66*	
		For Work In Restricted Working Space, Add	*552.43*	
23 21 13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,402.66	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*527.45*	
		For Concentric Reducers, Deduct	*-179.59*	
		For Work In Restricted Working Space, Add	*552.43*	
23 21 13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,957.94	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*694.03*	
		For Work In Restricted Working Space, Add	*552.43*	
23 21 13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,234.25	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*776.92*	
		For Work In Restricted Working Space, Add	*552.43*	
23 21 13 23-0553	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,798.62	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*618.61*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0554	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,228.96	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*447.72*	
		For Concentric Reducers, Deduct	*-39.83*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0555	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,865.15	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*638.57*	
		For Concentric Reducers, Deduct	*-243.41*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0556	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,963.25	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*668.00*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0557	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,792.61	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*916.81*	
		For Work In Restricted Working Space, Add	*631.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,247.85	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*724.87*	
		For Concentric Reducers, Deduct	*-278.98*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,245.60	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*724.20*	
		For Concentric Reducers, Deduct	*-278.26*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,342.78	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,053.35*	
		For Concentric Reducers, Deduct	*-629.36*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,782.86	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,185.37*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,443.01	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,383.42*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,598.34	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*821.70*	
		For Concentric Reducers, Deduct	*-365.79*	
		For Work In Restricted Working Space, Add	*736.58*	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,731.35	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*861.60*	
		For Concentric Reducers, Deduct	*-408.35*	
		For Work In Restricted Working Space, Add	*736.58*	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,349.33	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,047.00*	
		For Concentric Reducers, Deduct	*-606.11*	
		For Work In Restricted Working Space, Add	*736.58*	
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,499.34	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,392.00*	
		For Work In Restricted Working Space, Add	*736.58*	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,361.65	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,650.69*	
		For Work In Restricted Working Space, Add	*736.58*	

23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	137.63	78.71
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.90*	
		For Work In Restricted Working Space, Add	*35.40*	
23 21 13 23-0570	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	149.12	86.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.14*	
		For Work In Restricted Working Space, Add	*38.85*	
23 21 13 23-0571	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	146.11	84.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.55*	
		For Work In Restricted Working Space, Add	*37.94*	
23 21 13 23-0572	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	163.05	95.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.86*	
		For Work In Restricted Working Space, Add	*43.03*	
23 21 13 23-0573	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	154.57	90.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.20*	
		For Work In Restricted Working Space, Add	*40.48*	
23 21 13 23-0574	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	151.56	88.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.62*	
		For Work In Restricted Working Space, Add	*39.58*	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	183.81	114.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.16*	
		For Work In Restricted Working Space, Add	*51.38*	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	178.37	110.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.10*	
		For Work In Restricted Working Space, Add	*49.74*	
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	174.73	104.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.90*	
		For Work In Restricted Working Space, Add	*47.20*	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	233.95	145.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.31*	
		For Work In Restricted Working Space, Add	*65.35*	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	215.91	130.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.25*	
		For Work In Restricted Working Space, Add	*58.64*	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	217.38	126.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.26*	
		For Work In Restricted Working Space, Add	*57.00*	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	257.59	163.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.60*	
		For Work In Restricted Working Space, Add	*73.36*	
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	258.56	163.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.89*	
		For Work In Restricted Working Space, Add	*73.36*	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	260.65	163.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.52*	
		For Work In Restricted Working Space, Add	*73.36*	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	441.48	283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*87.85*	
		For Work In Restricted Working Space, Add	*127.42*	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	445.19	283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*88.96*	
		For Work In Restricted Working Space, Add	*127.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	445.19	283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*88.96*	
		For Work In Restricted Working Space, Add	*127.42*	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	726.81	461.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*145.42*	
		For Work In Restricted Working Space, Add	*207.51*	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	734.22	461.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*147.64*	
		For Work In Restricted Working Space, Add	*207.51*	
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,098.65	702.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*219.07*	
		For Work In Restricted Working Space, Add	*315.77*	
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,111.86	702.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*223.04*	
		For Work In Restricted Working Space, Add	*315.77*	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,299.86	807.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*262.86*	
		For Work In Restricted Working Space, Add	*363.14*	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,294.38	807.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*261.22*	
		For Work In Restricted Working Space, Add	*363.14*	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,363.33	807.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*281.90*	
		For Work In Restricted Working Space, Add	*363.14*	
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,510.84	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*306.22*	
		For Work In Restricted Working Space, Add	*420.10*	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,527.39	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*311.18*	
		For Work In Restricted Working Space, Add	*420.10*	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,533.39	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*312.98*	
		For Work In Restricted Working Space, Add	*420.10*	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,709.14	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*365.71*	
		For Work In Restricted Working Space, Add	*420.10*	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,803.06	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*369.05*	
		For Work In Restricted Working Space, Add	*491.05*	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,864.44	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*387.47*	
		For Work In Restricted Working Space, Add	*491.05*	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,917.76	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*403.46*	
		For Work In Restricted Working Space, Add	*491.05*	
23 21 13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,123.83	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*465.28*	
		For Work In Restricted Working Space, Add	*491.05*	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,132.35	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*446.35*	
		For Work In Restricted Working Space, Add	*552.43*	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,132.35	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*446.35*	
		For Work In Restricted Working Space, Add	*552.43*	
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,162.96	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*455.54*	
		For Work In Restricted Working Space, Add	*552.43*	
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,264.61	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*486.03*	
		For Work In Restricted Working Space, Add	*552.43*	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,685.57	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*612.32*	
		For Work In Restricted Working Space, Add	*552.43*	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,422.32	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*505.72*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,500.77	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*529.26*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,533.63	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*539.12*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,623.03	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*565.94*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,650.43	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*874.16*	
		For Work In Restricted Working Space, Add	*631.35*	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,921.48	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*626.96*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,921.48	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*626.96*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,943.87	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*633.68*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,076.45	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*673.45*	
		For Work In Restricted Working Space, Add	*712.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,307.12	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*742.65*	
		For Work In Restricted Working Space, Add	*712.81*	
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,072.22	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*663.86*	
		For Work In Restricted Working Space, Add	*736.58*	
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,086.23	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*668.07*	
		For Work In Restricted Working Space, Add	*736.58*	
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,113.62	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*676.28*	
		For Work In Restricted Working Space, Add	*736.58*	
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,747.67	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*866.50*	
		For Work In Restricted Working Space, Add	*736.58*	
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,872.83	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*904.05*	
		For Work In Restricted Working Space, Add	*736.58*	

23 21 13 23-0622 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap	69.74	40.43
		For Schedule 80 Fittings, Add	*13.36*	
		For Work In Restricted Working Space, Add	*18.16*	
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	76.37	44.43
		For Schedule 80 Fittings, Add	*14.59*	
		For Work In Restricted Working Space, Add	*19.97*	
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	79.37	46.00
		For Schedule 80 Fittings, Add	*15.19*	
		For Work In Restricted Working Space, Add	*20.70*	
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap	99.27	58.95
		For Schedule 80 Fittings, Add	*18.73*	
		For Work In Restricted Working Space, Add	*26.51*	
23 21 13 23-0627	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	117.94	71.05
		For Schedule 80 Fittings, Add	*22.07*	
		For Work In Restricted Working Space, Add	*31.96*	
23 21 13 23-0628	EA	3" Standard Weight, Welded Plain End Black Steel Cap	137.87	81.94
		For Schedule 80 Fittings, Add	*26.00*	
		For Work In Restricted Working Space, Add	*36.87*	
23 21 13 23-0629	EA	4" Standard Weight, Welded Plain End Black Steel Cap	232.30	141.62
		For Schedule 80 Fittings, Add	*43.15*	
		For Work In Restricted Working Space, Add	*63.71*	
23 21 13 23-0630	EA	6" Standard Weight, Welded Plain End Black Steel Cap	388.71	233.98
		For Schedule 80 Fittings, Add	*72.76*	
		For Work In Restricted Working Space, Add	*105.26*	
23 21 13 23-0631	EA	8" Standard Weight, Welded Plain End Black Steel Cap	548.57	328.03
		For Schedule 80 Fittings, Add	*103.10*	
		For Work In Restricted Working Space, Add	*147.53*	
23 21 13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap	720.44	414.10
		For Schedule 80 Fittings, Add	*138.54*	
		For Work In Restricted Working Space, Add	*186.22*	
23 21 13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap	809.83	457.02
		For Schedule 80 Fittings, Add	*157.30*	
		For Work In Restricted Working Space, Add	*205.55*	
23 21 13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap	1,052.74	545.86
		For Schedule 80 Fittings, Add	*213.52*	
		For Work In Restricted Working Space, Add	*245.53*	
23 21 13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,222.60	633.90
		For Schedule 80 Fittings, Add	*247.98*	
		For Work In Restricted Working Space, Add	*285.13*	
23 21 13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,365.29	701.90
		For Schedule 80 Fittings, Add	*278.06*	
		For Work In Restricted Working Space, Add	*315.68*	

23 21 13 23-0637 150 Lb., Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0638	EA	2", 150 Lb., Welded Plain End Black Steel Neck Flange	175.65	91.27
		For 300 Lb. Rating, Add	*41.54*	
		For Work In Restricted Working Space, Add	*41.05*	
23 21 13 23-0639	EA	2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange	209.55	113.90
		For 300 Lb. Rating, Add	*45.09*	
		For Work In Restricted Working Space, Add	*51.22*	
23 21 13 23-0640	EA	3", 150 Lb., Welded Plain End Black Steel Neck Flange	234.09	130.25
		For 300 Lb. Rating, Add	*47.70*	
		For Work In Restricted Working Space, Add	*58.57*	
23 21 13 23-0641	EA	4", 150 Lb., Welded Plain End Black Steel Neck Flange	307.04	171.76
		For 300 Lb. Rating, Add	*61.69*	
		For Work In Restricted Working Space, Add	*77.26*	
23 21 13 23-0642	EA	6", 150 Lb., Welded Plain End Black Steel Neck Flange	466.63	260.49
		For 300 Lb. Rating, Add	*94.31*	
		For Work In Restricted Working Space, Add	*117.14*	
23 21 13 23-0643	EA	8", 150 Lb., Welded Plain End Black Steel Neck Flange	517.42	265.62
		For 300 Lb. Rating, Add	*125.29*	
		For Work In Restricted Working Space, Add	*119.45*	
23 21 13 23-0644	EA	10" , 150 Lb., Welded Plain End Black Steel Neck Flange	673.65	333.04
		For 300 Lb. Rating, Add	*174.42*	
		For Work In Restricted Working Space, Add	*149.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0645	EA	12" , 150 Lb., Welded Plain End Black Steel Neck Flange	820.70	377.92
		For 300 Lb. Rating, Add	*237.37*	
		For Work In Restricted Working Space, Add	*169.98*	
23 21 13 23-0646	EA	14" , 150 Lb., Welded Plain End Black Steel Neck Flange	1,070.93	457.02
		For 300 Lb. Rating, Add	*341.97*	
		For Work In Restricted Working Space, Add	*205.55*	
23 21 13 23-0647	EA	16", 150 Lb., Welded Plain End Black Steel Neck Flange	1,398.98	531.12
		For 300 Lb. Rating, Add	*505.49*	
		For Work In Restricted Working Space, Add	*238.89*	
23 21 13 23-0648	EA	18", 150 Lb., Welded Plain End Black Steel Neck Flange	1,729.52	595.49
		For 300 Lb. Rating, Add	*679.44*	
		For Work In Restricted Working Space, Add	*267.85*	
23 21 13 23-0649	EA	20", 150 Lb., Welded Plain End Black Steel Neck Flange	2,192.91	755.84
		For 300 Lb. Rating, Add	*860.79*	
		For Work In Restricted Working Space, Add	*339.96*	
23 21 13 23-0650	EA	24", 150 Lb., Welded Plain End Black Steel Neck Flange	2,486.01	818.84
		For 300 Lb. Rating, Add	*1,009.77*	
		For Work In Restricted Working Space, Add	*368.29*	

23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0652	EA	2", 150 Lb., Welded Black Steel Slip-On Flanges	128.00	91.27
		For 300 Lb. Rating, Add	*28.59*	
		For Work In Restricted Working Space, Add	*32.68*	
23 21 13 23-0653	EA	2-1/2", 150 Lb., Welded Black Steel Slip-On Flange	157.63	113.90
		For 300 Lb. Rating, Add	*36.01*	
		For Work In Restricted Working Space, Add	*39.95*	
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange	186.17	130.25
		For 300 Lb. Rating, Add	*42.45*	
		For Work In Restricted Working Space, Add	*47.21*	
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange	245.07	171.76
		For 300 Lb. Rating, Add	*56.98*	
		For Work In Restricted Working Space, Add	*61.73*	
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange	363.09	260.49
		For 300 Lb. Rating, Add	*86.21*	
		For Work In Restricted Working Space, Add	*90.78*	
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange	454.64	265.62
		For 300 Lb. Rating, Add	*120.89*	
		For Work In Restricted Working Space, Add	*108.79*	
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange	612.14	333.04
		For 300 Lb. Rating, Add	*190.57*	
		For Work In Restricted Working Space, Add	*135.98*	
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange	794.57	377.92
		For 300 Lb. Rating, Add	*282.69*	
		For Work In Restricted Working Space, Add	*163.18*	
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange	1,000.79	457.02
		For 300 Lb. Rating, Add	*396.21*	
		For Work In Restricted Working Space, Add	*190.38*	
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange	1,195.63	531.12
		For 300 Lb. Rating, Add	*517.52*	
		For Work In Restricted Working Space, Add	*210.77*	
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange	1,323.40	595.49
		For 300 Lb. Rating, Add	*578.46*	
		For Work In Restricted Working Space, Add	*231.17*	
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange	1,466.93	755.84
		For 300 Lb. Rating, Add	*653.58*	
		For Work In Restricted Working Space, Add	*251.57*	
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange	1,680.58	818.84
		For 300 Lb. Rating, Add	*737.76*	
		For Work In Restricted Working Space, Add	*292.36*	

23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges *(23 21 13 23-0393)*

23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange	86.78	32.44
		For 300 Lb. Rating, Add	*24.33*	
		For 600 Lb. Rating, Add	*62.29*	
		For Work In Restricted Working Space, Add	*19.46*	
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange	113.37	38.93
		For 300 Lb. Rating, Add	*36.58*	
		For 600 Lb. Rating, Add	*96.90*	
		For Work In Restricted Working Space, Add	*23.36*	
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange	140.55	51.91
		For 300 Lb. Rating, Add	*40.29*	
		For 600 Lb. Rating, Add	*103.75*	
		For Work In Restricted Working Space, Add	*31.14*	
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange	180.40	64.88
		For 300 Lb. Rating, Add	*54.13*	
		For 600 Lb. Rating, Add	*140.98*	
		For Work In Restricted Working Space, Add	*38.93*	
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange	245.42	84.35
		For 300 Lb. Rating, Add	*79.10*	
		For 600 Lb. Rating, Add	*209.46*	
		For Work In Restricted Working Space, Add	*50.61*	
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange	316.36	97.32
		For 300 Lb. Rating, Add	*117.81*	
		For 600 Lb. Rating, Add	*321.30*	
		For Work In Restricted Working Space, Add	*58.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange	471.25	116.78
		For 300 Lb. Rating, Add	*214.66*	
		For 600 Lb. Rating, Add	*605.45*	
		For Work In Restricted Working Space, Add	*70.07*	
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange	608.90	136.25
		For 300 Lb. Rating, Add	*297.73*	
		For 600 Lb. Rating, Add	*848.21*	
		For Work In Restricted Working Space, Add	*81.75*	
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange	1,004.04	155.72
		For 300 Lb. Rating, Add	*586.79*	
		For Work In Restricted Working Space, Add	*93.43*	
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange	1,080.41	175.18
		For 300 Lb. Rating, Add	*620.83*	
		For Work In Restricted Working Space, Add	*105.11*	
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange	1,221.16	214.11
		For 300 Lb. Rating, Add	*679.31*	
		For Work In Restricted Working Space, Add	*128.47*	
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange	1,552.82	233.58
		For 300 Lb. Rating, Add	*917.58*	
		For Work In Restricted Working Space, Add	*140.15*	
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange	2,099.31	272.51
		For 300 Lb. Rating, Add	*1,300.67*	
		For Work In Restricted Working Space, Add	*163.50*	

23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0680	EA	1/2", 3,000 Lb., Forge Steel Thread-O-Let	83.17	
		For Work In Restricted Working Space, Add	*22.88*	
23 21 13 23-0681	EA	3/4", 3,000 Lb., Forge Steel Thread-O-Let	88.00	
		For Work In Restricted Working Space, Add	*23.97*	
23 21 13 23-0682	EA	1", 3,000 Lb., Forge Steel Thread-O-Let	93.83	
		For Work In Restricted Working Space, Add	*25.42*	
23 21 13 23-0683	EA	1-1/4", 3,000 Lb., Forge Steel Thread-O-Let	103.69	
		For Work In Restricted Working Space, Add	*27.24*	
23 21 13 23-0684	EA	1-1/2", 3,000 Lb., Forge Steel Thread-O-Let	116.44	
		For Work In Restricted Working Space, Add	*30.87*	
23 21 13 23-0685	EA	2", 3,000 Lb., Forge Steel Thread-O-Let	150.62	
		For Work In Restricted Working Space, Add	*40.35*	
23 21 13 23-0686	EA	2-1/2", 3,000 Lb., Forge Steel Thread-O-Let	231.47	
		For Work In Restricted Working Space, Add	*51.88*	
23 21 13 23-0687	EA	3", 3,000 Lb., Forge Steel Thread-O-Let	319.54	
		For Work In Restricted Working Space, Add	*72.63*	
23 21 13 23-0688	EA	4", 3,000 Lb., Forge Steel Thread-O-Let	423.65	
		For Work In Restricted Working Space, Add	*90.78*	

23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0690	EA	1/2", 3,000 Lb., Forge Steel Weld-O-Let	96.39	
		For Work In Restricted Working Space, Add	*26.40*	
23 21 13 23-0691	EA	3/4", 3,000 Lb., Forge Steel Weld-O-Let	102.09	
		For Work In Restricted Working Space, Add	*27.67*	
23 21 13 23-0692	EA	1", 3,000 Lb., Forge Steel Weld-O-Let	107.89	
		For Work In Restricted Working Space, Add	*29.05*	
23 21 13 23-0693	EA	1-1/4", 3,000 Lb., Forge Steel Weld-O-Let	123.28	
		For Work In Restricted Working Space, Add	*32.28*	
23 21 13 23-0694	EA	1-1/2", 3,000 Lb., Forge Steel Weld-O-Let	137.49	
		For Work In Restricted Working Space, Add	*36.31*	
23 21 13 23-0695	EA	2", 3,000 Lb., Forge Steel Weld-O-Let	183.55	
		For Work In Restricted Working Space, Add	*48.41*	
23 21 13 23-0696	EA	2-1/2", 3,000 Lb., Forge Steel Weld-O-Let	264.79	
		For Work In Restricted Working Space, Add	*58.10*	
23 21 13 23-0697	EA	3", 3,000 Lb., Forge Steel Weld-O-Let	348.28	
		For Work In Restricted Working Space, Add	*76.26*	
23 21 13 23-0698	EA	4", 3,000 Lb., Forge Steel Weld-O-Let	469.87	
		For Work In Restricted Working Space, Add	*96.85*	
23 21 13 23-0699	EA	6", 3,000 Lb., Forge Steel Weld-O-Let	679.21	
		For Work In Restricted Working Space, Add	*145.25*	
23 21 13 23-0700	EA	8", 3,000 Lb., Forge Steel Weld-O-Let	1,014.56	
		For Work In Restricted Working Space, Add	*193.66*	
23 21 13 23-0701	EA	10", 3,000 Lb., Forge Steel Weld-O-Let	1,269.58	
		For Work In Restricted Working Space, Add	*223.47*	
23 21 13 23-0702	EA	12", 3,000 Lb., Forge Steel Weld-O-Let	1,876.92	
		For Work In Restricted Working Space, Add	*264.11*	

23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0704	EA	1/2", 3,000 Lb., Forge Steel Sock-O-Let	113.76	
		For Work In Restricted Working Space, Add	*31.56*	
23 21 13 23-0705	EA	3/4", 3,000 Lb., Forge Steel Sock-O-Let	120.33	
		For Work In Restricted Working Space, Add	*33.08*	
23 21 13 23-0706	EA	1", 3,000 Lb., Forge Steel Sock-O-Let	128.21	
		For Work In Restricted Working Space, Add	*35.08*	
23 21 13 23-0707	EA	1-1/4", 3,000 Lb., Forge Steel Sock-O-Let	141.28	
		For Work In Restricted Working Space, Add	*37.58*	
23 21 13 23-0708	EA	1-1/2", 3,000 Lb., Forge Steel Sock-O-Let	158.79	
		For Work In Restricted Working Space, Add	*42.60*	
23 21 13 23-0709	EA	2", 3,000 Lb., Forge Steel Sock-O-Let	206.55	
		For Work In Restricted Working Space, Add	*55.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0710	EA	2-1/2", 3,000 Lb., Forge Steel Sock-O-Let	311.17	
		For Work In Restricted Working Space, Add	*71.57*	
23 21 13 23-0711	EA	3", 3,000 Lb., Forge Steel Sock-O-Let	430.12	
		For Work In Restricted Working Space, Add	*100.22*	
23 21 13 23-0712	EA	4", 3,000 Lb., Forge Steel Sock-O-Let	567.71	
		For Work In Restricted Working Space, Add	*125.28*	

23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	13.83	
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*3.87*	
		For Hot Dip Galvanized, Add	*5.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*9.68*	
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	17.51	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.90*	
		For Hot Dip Galvanized, Add	*7.00*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.26*	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	17.72	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.96*	
		For Hot Dip Galvanized, Add	*7.09*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.40*	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	17.82	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.99*	
		For Hot Dip Galvanized, Add	*7.13*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.47*	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	41.23	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*11.54*	
		For Hot Dip Galvanized, Add	*16.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*28.86*	
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	56.32	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*15.77*	
		For Hot Dip Galvanized, Add	*22.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*39.42*	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	63.71	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*17.84*	
		For Hot Dip Galvanized, Add	*25.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.60*	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	70.64	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*19.78*	
		For Hot Dip Galvanized, Add	*28.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*49.45*	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	153.19	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*42.89*	
		For Hot Dip Galvanized, Add	*61.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*107.23*	
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	158.11	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*44.27*	
		For Hot Dip Galvanized, Add	*63.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*110.68*	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	177.56	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*49.72*	
		For Hot Dip Galvanized, Add	*71.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*124.29*	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	290.66	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*81.38*	
		For Hot Dip Galvanized, Add	*116.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*203.46*	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	415.15	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*116.24*	
		For Hot Dip Galvanized, Add	*166.06*	
		For Advanced Fluoropolymer (Blue Coating), Add	*290.61*	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	524.93	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*146.98*	
		For Hot Dip Galvanized, Add	*209.97*	
		For Advanced Fluoropolymer (Blue Coating), Add	*367.45*	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	744.41	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*208.43*	
		For Hot Dip Galvanized, Add	*297.76*	
		For Advanced Fluoropolymer (Blue Coating), Add	*521.09*	
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,173.76	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*328.65*	
		For Hot Dip Galvanized, Add	*469.50*	
		For Advanced Fluoropolymer (Blue Coating), Add	*821.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.	1,628.17	
		For Zinc Plated, Add	*455.89*	
		For Hot Dip Galvanized, Add	*651.27*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,139.72*	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	22.63	
		For Zinc Plated, Add	*6.34*	
		For Hot Dip Galvanized, Add	*9.05*	
		For Advanced Fluoropolymer (Blue Coating), Add	*15.84*	
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	40.82	
		For Zinc Plated, Add	*11.43*	
		For Hot Dip Galvanized, Add	*16.33*	
		For Advanced Fluoropolymer (Blue Coating), Add	*28.57*	
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	63.07	
		For Zinc Plated, Add	*17.66*	
		For Hot Dip Galvanized, Add	*25.23*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.15*	
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	68.53	
		For Zinc Plated, Add	*19.19*	
		For Hot Dip Galvanized, Add	*27.41*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.97*	
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	75.38	
		For Zinc Plated, Add	*21.11*	
		For Hot Dip Galvanized, Add	*30.15*	
		For Advanced Fluoropolymer (Blue Coating), Add	*52.77*	
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	86.32	
		For Zinc Plated, Add	*24.17*	
		For Hot Dip Galvanized, Add	*34.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*60.42*	
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.	118.83	
		For Zinc Plated, Add	*33.27*	
		For Hot Dip Galvanized, Add	*47.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*83.18*	
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	182.69	
		For Zinc Plated, Add	*51.15*	
		For Hot Dip Galvanized, Add	*73.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*127.88*	
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	324.44	
		For Zinc Plated, Add	*90.84*	
		For Hot Dip Galvanized, Add	*129.78*	
		For Advanced Fluoropolymer (Blue Coating), Add	*227.11*	
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	462.85	
		For Zinc Plated, Add	*129.60*	
		For Hot Dip Galvanized, Add	*185.14*	
		For Advanced Fluoropolymer (Blue Coating), Add	*324.00*	
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	629.98	
		For Zinc Plated, Add	*176.39*	
		For Hot Dip Galvanized, Add	*251.99*	
		For Advanced Fluoropolymer (Blue Coating), Add	*440.99*	
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	863.14	
		For Zinc Plated, Add	*241.68*	
		For Hot Dip Galvanized, Add	*345.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*604.20*	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,112.34	
		For Zinc Plated, Add	*311.46*	
		For Hot Dip Galvanized, Add	*444.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*778.64*	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,184.06	
		For Zinc Plated, Add	*331.54*	
		For Hot Dip Galvanized, Add	*473.62*	
		For Advanced Fluoropolymer (Blue Coating), Add	*828.84*	
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.	1,508.77	
		For Zinc Plated, Add	*422.46*	
		For Hot Dip Galvanized, Add	*603.51*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,056.14*	
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.	2,386.48	
		For Zinc Plated, Add	*668.21*	
		For Hot Dip Galvanized, Add	*954.59*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,670.54*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.	3,420.62	
		For Zinc Plated, Add	*957.77*	
		For Hot Dip Galvanized, Add	*1,368.25*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,394.43*	

23 21 13 23-0749 Class 150 Flange, Stainless Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	13.83
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	44.77
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	44.88
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	44.98
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	96.38
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	120.12
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	138.32
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	140.27
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	356.91
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	360.59
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	542.26
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	721.43
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	1,854.58
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	2,150.78
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	2,484.71

23 21 13 23-0765 150 Lb., Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.

23 21 13 23-0766	EA	1/2", 150 Lb., Rubber Flange Gasket Replacement	36.55
		For 300 Lb. Rating Gasket Set, Add	*0.25*
		For 150 Lb. Rating Teflon Gasket Set, Add	*5.41*
		For 300 Lb. Rating Teflon Gasket Set, Add	*6.23*
		For Work In Restricted Working Space, Add	*10.76*
23 21 13 23-0767	EA	3/4", 150 Lb., Rubber Flange Gasket Replacement	39.18
		For 300 Lb. Rating Gasket Set, Add	*0.33*
		For 150 Lb. Rating Teflon Gasket Set, Add	*7.27*
		For 300 Lb. Rating Teflon Gasket Set, Add	*8.37*
		For Work In Restricted Working Space, Add	*11.47*
23 21 13 23-0768	EA	1", 150 Lb., Rubber Flange Gasket Replacement	43.46
		For 300 Lb. Rating Gasket Set, Add	*0.57*
		For 150 Lb. Rating Teflon Gasket Set, Add	*12.68*
		For 300 Lb. Rating Teflon Gasket Set, Add	*14.60*
		For Work In Restricted Working Space, Add	*12.55*
23 21 13 23-0769	EA	1-1/4", 150 Lb., Rubber Flange Gasket Replacement	47.28
		For 300 Lb. Rating Gasket Set, Add	*0.65*
		For 150 Lb. Rating Teflon Gasket Set, Add	*14.46*
		For 300 Lb. Rating Teflon Gasket Set, Add	*16.64*
		For Work In Restricted Working Space, Add	*13.62*
23 21 13 23-0770	EA	1-1/2", 150 Lb., Rubber Flange Gasket Replacement	52.53
		For 300 Lb. Rating Gasket Set, Add	*0.82*
		For 150 Lb. Rating Teflon Gasket Set, Add	*18.09*
		For 300 Lb. Rating Teflon Gasket Set, Add	*20.83*
		For Work In Restricted Working Space, Add	*15.06*
23 21 13 23-0771	EA	2", 150 Lb., Rubber Flange Gasket Replacement	58.24
		For 300 Lb. Rating Gasket Set, Add	*1.14*
		For 150 Lb. Rating Teflon Gasket Set, Add	*25.28*
		For 300 Lb. Rating Teflon Gasket Set, Add	*29.10*
		For Work In Restricted Working Space, Add	*16.49*
23 21 13 23-0772	EA	2-1/2", 150 Lb., Rubber Flange Gasket Replacement	68.97
		For 300 Lb. Rating Gasket Set, Add	*1.55*
		For 150 Lb. Rating Teflon Gasket Set, Add	*34.32*
		For 300 Lb. Rating Teflon Gasket Set, Add	*39.52*
		For Work In Restricted Working Space, Add	*19.36*
23 21 13 23-0773	EA	3", 150 Lb., Rubber Flange Gasket Replacement	73.27
		For 300 Lb. Rating Gasket Set, Add	*1.80*
		For 150 Lb. Rating Teflon Gasket Set, Add	*39.81*
		For 300 Lb. Rating Teflon Gasket Set, Add	*45.84*
		For Work In Restricted Working Space, Add	*20.44*
23 21 13 23-0774	EA	4", 150 Lb., Rubber Flange Gasket Replacement	98.05
		For 300 Lb. Rating Gasket Set, Add	*2.95*
		For 150 Lb. Rating Teflon Gasket Set, Add	*65.09*
		For 300 Lb. Rating Teflon Gasket Set, Add	*74.94*
		For Work In Restricted Working Space, Add	*26.89*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0775	EA	5", 150 Lb., Rubber Flange Gasket Replacement	113.33	
		For 300 Lb. Rating Gasket Set, Add	*3.28*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*72.35*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*83.30*	
		For Work In Restricted Working Space, Add	*31.19*	
23 21 13 23-0776	EA	6", 150 Lb., Rubber Flange Gasket Replacement	130.47	
		For 300 Lb. Rating Gasket Set, Add	*4.26*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*94.00*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*108.22*	
		For Work In Restricted Working Space, Add	*35.49*	
23 21 13 23-0777	EA	8", 150 Lb., Rubber Flange Gasket Replacement	161.18	
		For 300 Lb. Rating Gasket Set, Add	*6.22*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*137.44*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*158.24*	
		For Work In Restricted Working Space, Add	*43.02*	
23 21 13 23-0778	EA	10", 150 Lb., Rubber Flange Gasket Replacement	178.22	
		For 300 Lb. Rating Gasket Set, Add	*8.84*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*195.26*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*224.81*	
		For Work In Restricted Working Space, Add	*45.89*	
23 21 13 23-0779	EA	12", 150 Lb., Rubber Flange Gasket Replacement	205.56	
		For 300 Lb. Rating Gasket Set, Add	*11.30*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*249.52*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*287.29*	
		For Work In Restricted Working Space, Add	*51.98*	
23 21 13 23-0780	EA	14", 150 Lb., Rubber Flange Gasket Replacement	217.85	
		For 300 Lb. Rating Gasket Set, Add	*13.51*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*298.30*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*343.45*	
		For Work In Restricted Working Space, Add	*53.78*	
23 21 13 23-0781	EA	16", 150 Lb., Rubber Flange Gasket Replacement	282.04	
		For 300 Lb. Rating Gasket Set, Add	*15.06*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*332.70*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*383.06*	
		For Work In Restricted Working Space, Add	*71.70*	
23 21 13 23-0782	EA	18", 150 Lb., Rubber Flange Gasket Replacement	306.61	
		For 300 Lb. Rating Gasket Set, Add	*15.72*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*347.15*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*399.70*	
		For Work In Restricted Working Space, Add	*78.51*	
23 21 13 23-0783	EA	20", 150 Lb., Rubber Flange Gasket Replacement	367.22	
		For 300 Lb. Rating Gasket Set, Add	*16.86*	
		For 150 Lb. Rating Teflon Gasket Set, Add	*372.43*	
		For 300 Lb. Rating Teflon Gasket Set, Add	*428.80*	
		For Work In Restricted Working Space, Add	*95.71*	

23 21 13 23-0784 150 Lb., Spiral Wound Metal Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.

23 21 13 23-0785	EA	1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	40.61	
		For Work In Restricted Working Space, Add	*10.76*	
		For 300 Lb., Add	*0.36*	
23 21 13 23-0786	EA	3/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	43.07	
		For Work In Restricted Working Space, Add	*11.47*	
		For 300 Lb., Add	*0.36*	
23 21 13 23-0787	EA	1", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	46.70	
		For Work In Restricted Working Space, Add	*12.55*	
		For 300 Lb., Add	*0.37*	
23 21 13 23-0788	EA	1-1/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	51.03	
		For Work In Restricted Working Space, Add	*13.62*	
		For 300 Lb., Add	*0.42*	
23 21 13 23-0789	EA	1-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	55.93	
		For Work In Restricted Working Space, Add	*15.06*	
		For 300 Lb., Add	*0.43*	
23 21 13 23-0790	EA	2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	60.98	
		For Work In Restricted Working Space, Add	*16.49*	
		For 300 Lb., Add	*0.45*	
23 21 13 23-0791	EA	2-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	71.06	
		For Work In Restricted Working Space, Add	*19.36*	
		For 300 Lb., Add	*0.49*	
23 21 13 23-0792	EA	3", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	75.18	
		For Work In Restricted Working Space, Add	*20.44*	
		For 300 Lb., Add	*0.53*	
23 21 13 23-0793	EA	4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	98.65	
		For Work In Restricted Working Space, Add	*26.89*	
		For 300 Lb., Add	*0.68*	
23 21 13 23-0794	EA	5", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	115.10	
		For Work In Restricted Working Space, Add	*31.19*	
		For 300 Lb., Add	*0.84*	
23 21 13 23-0795	EA	6", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	130.69	
		For Work In Restricted Working Space, Add	*35.50*	
		For 300 Lb., Add	*0.93*	
23 21 13 23-0796	EA	8", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	158.19	
		For Work In Restricted Working Space, Add	*43.03*	
		For 300 Lb., Add	*1.11*	
23 21 13 23-0797	EA	10", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	173.33	
		For Work In Restricted Working Space, Add	*45.89*	
		For 300 Lb., Add	*1.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0798	EA	12", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	203.96	
		For Work In Restricted Working Space, Add	*51.99*	
		For 300 Lb., Add	*2.30*	

23 21 13 23-0799 150 Lb., Flexible Graphite Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.

23 21 13 23-0800	EA	1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	36.81	
		For Work In Restricted Working Space, Add	*10.76*	
23 21 13 23-0801	EA	3/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	39.82	
		For Work In Restricted Working Space, Add	*11.47*	
23 21 13 23-0802	EA	1", 150 Lb., Flexible Graphite Flange Gasket Replacement	43.64	
		For Work In Restricted Working Space, Add	*12.55*	
23 21 13 23-0803	EA	1-1/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	47.99	
		For Work In Restricted Working Space, Add	*13.62*	
23 21 13 23-0804	EA	1-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	52.94	
		For Work In Restricted Working Space, Add	*15.06*	
23 21 13 23-0805	EA	2", 150 Lb., Flexible Graphite Flange Gasket Replacement	58.58	
		For Work In Restricted Working Space, Add	*16.49*	
23 21 13 23-0806	EA	2-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	69.41	
		For Work In Restricted Working Space, Add	*19.36*	
23 21 13 23-0807	EA	3", 150 Lb., Flexible Graphite Flange Gasket Replacement	73.26	
		For Work In Restricted Working Space, Add	*20.44*	
23 21 13 23-0808	EA	4", 150 Lb., Flexible Graphite Flange Gasket Replacement	97.96	
		For Work In Restricted Working Space, Add	*26.89*	
23 21 13 23-0809	EA	5", 150 Lb., Flexible Graphite Flange Gasket Replacement	113.88	
		For Work In Restricted Working Space, Add	*31.19*	
23 21 13 23-0810	EA	6", 150 Lb., Flexible Graphite Flange Gasket Replacement	129.37	
		For Work In Restricted Working Space, Add	*35.50*	
23 21 13 23-0811	EA	8", 150 Lb., Flexible Graphite Flange Gasket Replacement	162.02	
		For Work In Restricted Working Space, Add	*43.03*	
23 21 13 23-0812	EA	10", 150 Lb., Flexible Graphite Flange Gasket Replacement	179.96	
		For Work In Restricted Working Space, Add	*45.89*	
23 21 13 23-0813	EA	12", 150 Lb., Flexible Graphite Flange Gasket Replacement	206.67	
		For Work In Restricted Working Space, Add	*51.99*	

23 21 13 23-0814 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.

23 21 13 23-0815	EA	1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	56.77	
		For Work In Restricted Working Space, Add	*10.76*	
23 21 13 23-0816	EA	3/4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	60.59	
		For Work In Restricted Working Space, Add	*11.47*	
23 21 13 23-0817	EA	1", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	65.63	
		For Work In Restricted Working Space, Add	*12.55*	
23 21 13 23-0818	EA	1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement	74.24	
		For Work In Restricted Working Space, Add	*13.62*	
23 21 13 23-0819	EA	1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement	79.98	
		For Work In Restricted Working Space, Add	*15.06*	
23 21 13 23-0820	EA	2", Teflon, Spiral Wound, Flange Gasket Replacement	87.24	
		For Work In Restricted Working Space, Add	*16.49*	
23 21 13 23-0821	EA	2-1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	101.42	
		For Work In Restricted Working Space, Add	*19.36*	
23 21 13 23-0822	EA	3", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	114.93	
		For Work In Restricted Working Space, Add	*20.44*	
23 21 13 23-0823	EA	4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	145.36	
		For Work In Restricted Working Space, Add	*26.89*	
23 21 13 23-0824	EA	5", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	173.38	
		For Work In Restricted Working Space, Add	*31.19*	
23 21 13 23-0825	EA	6", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	225.91	
		For Work In Restricted Working Space, Add	*35.50*	
23 21 13 23-0826	EA	8", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	249.69	
		For Work In Restricted Working Space, Add	*43.03*	
23 21 13 23-0827	EA	10", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	283.68	
		For Work In Restricted Working Space, Add	*45.89*	
23 21 13 23-0828	EA	12", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	370.71	
		For Work In Restricted Working Space, Add	*51.99*	

23 21 13 23-0829 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0830	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	25.95	
		For Work In Restricted Working Space, Add	*7.79*	
23 21 13 23-0831	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	28.02	
		For Work In Restricted Working Space, Add	*8.41*	
23 21 13 23-0832	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.52	
		For Work In Restricted Working Space, Add	*9.46*	
23 21 13 23-0833	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.08	
		For Work In Restricted Working Space, Add	*9.92*	
23 21 13 23-0834	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.02	
		For Work In Restricted Working Space, Add	*10.51*	
23 21 13 23-0835	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	37.61	
		For Work In Restricted Working Space, Add	*11.28*	
23 21 13 23-0836	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	40.22	
		For Work In Restricted Working Space, Add	*12.07*	
23 21 13 23-0837	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	44.10	
		For Work In Restricted Working Space, Add	*13.23*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0838	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	47.99	
		For Work In Restricted Working Space, Add	*14.40*	
23 21 13 23-0839	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	51.89	
		For Work In Restricted Working Space, Add	*15.57*	
23 21 13 23-0840	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	55.78	
		For Work In Restricted Working Space, Add	*16.73*	
23 21 13 23-0841	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	60.97	
		For Work In Restricted Working Space, Add	*18.29*	
23 21 13 23-0842	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	66.15	
		For Work In Restricted Working Space, Add	*19.85*	
23 21 13 23-0843	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	71.35	
		For Work In Restricted Working Space, Add	*21.41*	
23 21 13 23-0844	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	76.53	
		For Work In Restricted Working Space, Add	*22.96*	
23 21 13 23-0845	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	80.43	
		For Work In Restricted Working Space, Add	*24.13*	
23 21 13 23-0846	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	84.31	
		For Work In Restricted Working Space, Add	*25.29*	
23 21 13 23-0847	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	89.51	
		For Work In Restricted Working Space, Add	*26.85*	

23 21 13 23-0848 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

23 21 13 23-0849	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	29.15	13.31
		For Work In Restricted Working Space, Add	*6.54*	
23 21 13 23-0850	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	33.09	14.53
		For Work In Restricted Working Space, Add	*6.54*	
23 21 13 23-0851	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	35.29	14.28
		For Work In Restricted Working Space, Add	*6.41*	
23 21 13 23-0852	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	44.04	18.16
		For Work In Restricted Working Space, Add	*8.17*	
23 21 13 23-0853	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	72.85	26.87
		For Work In Restricted Working Space, Add	*12.08*	
23 21 13 23-0854	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	92.46	30.94
		For Work In Restricted Working Space, Add	*13.94*	
23 21 13 23-0855	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	126.13	38.53
		For Work In Restricted Working Space, Add	*17.34*	
23 21 13 23-0856	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	153.23	46.46
		For Work In Restricted Working Space, Add	*20.89*	
23 21 13 23-0857	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	195.30	60.29
		For Work In Restricted Working Space, Add	*27.13*	

23 21 13 23-0858 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

23 21 13 23-0859 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0858)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0860 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0859)*

23 21 13 23-0861	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	324.81	55.77
		For Galvanized Fittings, Add	*192.96*	
		For Extra Heavy Weight Fittings, Add	*289.44*	
23 21 13 23-0862	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	362.25	62.11
		For Galvanized Fittings, Add	*215.26*	
		For Extra Heavy Weight Fittings, Add	*322.90*	
23 21 13 23-0863	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	364.53	68.56
		For Galvanized Fittings, Add	*209.45*	
		For Extra Heavy Weight Fittings, Add	*314.17*	
23 21 13 23-0864	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	457.61	79.67
		For Galvanized Fittings, Add	*270.54*	
		For Extra Heavy Weight Fittings, Add	*405.80*	
23 21 13 23-0865	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	624.66	89.22
		For Galvanized Fittings, Add	*392.71*	
		For Extra Heavy Weight Fittings, Add	*589.07*	
23 21 13 23-0866	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	666.76	103.56
		For Galvanized Fittings, Add	*409.19*	
		For Extra Heavy Weight Fittings, Add	*613.79*	
23 21 13 23-0867	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	834.62	114.66
		For Galvanized Fittings, Add	*530.10*	
		For Extra Heavy Weight Fittings, Add	*795.16*	

23 21 13 23-0868 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0859)*

23 21 13 23-0869	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	575.64	59.01
		For Galvanized Fittings, Add	*389.80*	
		For Extra Heavy Weight Fittings, Add	*584.70*	
23 21 13 23-0870	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	602.16	65.34
		For Galvanized Fittings, Add	*403.38*	
		For Extra Heavy Weight Fittings, Add	*605.06*	
23 21 13 23-0871	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	744.99	74.05
		For Galvanized Fittings, Add	*507.13*	
		For Extra Heavy Weight Fittings, Add	*760.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0872	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	913.36	78.84
		For Galvanized Fittings, Add	*636.10*	
		For Extra Heavy Weight Fittings, Add	*954.14*	
23 21 13 23-0873	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,041.56	91.61
		For Galvanized Fittings, Add	*723.36*	
		For Extra Heavy Weight Fittings, Add	*1,085.04*	
23 21 13 23-0874	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,439.95	109.17
		For Galvanized Fittings, Add	*1,021.05*	
		For Extra Heavy Weight Fittings, Add	*1,531.57*	
23 21 13 23-0875		**Flanged Steel, 45 Degree Elbows** *(23 21 13 23-0859)*		
23 21 13 23-0876	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	412.08	55.77
		For Galvanized Fittings, Add	*262.78*	
		For Extra Heavy Weight Fittings, Add	*394.16*	
23 21 13 23-0877	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	432.55	62.11
		For Galvanized Fittings, Add	*271.50*	
		For Extra Heavy Weight Fittings, Add	*407.26*	
23 21 13 23-0878	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	451.80	68.56
		For Galvanized Fittings, Add	*279.26*	
		For Extra Heavy Weight Fittings, Add	*418.90*	
23 21 13 23-0879	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	559.42	79.67
		For Galvanized Fittings, Add	*351.98*	
		For Extra Heavy Weight Fittings, Add	*527.98*	
23 21 13 23-0880	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	789.50	89.22
		For Galvanized Fittings, Add	*524.58*	
		For Extra Heavy Weight Fittings, Add	*786.88*	
23 21 13 23-0881	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	780.70	103.56
		For Galvanized Fittings, Add	*500.34*	
		For Extra Heavy Weight Fittings, Add	*750.52*	
23 21 13 23-0882	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	915.76	114.66
		For Galvanized Fittings, Add	*595.02*	
		For Extra Heavy Weight Fittings, Add	*892.52*	
23 21 13 23-0883		**Flanged Steel, Tees** *(23 21 13 23-0859)*		
23 21 13 23-0884	EA	2" Standard Weight, Flanged Steel, Tee	424.79	83.61
		For Galvanized Fittings, Add	*239.50*	
		For Extra Heavy Weight Fittings, Add	*359.26*	
23 21 13 23-0885	EA	2-1/2" Standard Weight, Flanged Steel, Tee	538.51	93.17
		For Galvanized Fittings, Add	*319.02*	
		For Extra Heavy Weight Fittings, Add	*478.52*	
23 21 13 23-0886	EA	3" Standard Weight, Flanged Steel, Tee	503.16	102.72
		For Galvanized Fittings, Add	*279.26*	
		For Extra Heavy Weight Fittings, Add	*418.90*	
23 21 13 23-0887	EA	4" Standard Weight, Flanged Steel, Tee	700.34	119.56
		For Galvanized Fittings, Add	*416.94*	
		For Extra Heavy Weight Fittings, Add	*625.42*	
23 21 13 23-0888	EA	5" Standard Weight, Flanged Steel, Tee	1,010.77	133.89
		For Galvanized Fittings, Add	*648.09*	
		For Extra Heavy Weight Fittings, Add	*972.13*	
23 21 13 23-0889	EA	6" Standard Weight, Flanged Steel, Tee	1,228.17	155.40
		For Galvanized Fittings, Add	*796.22*	
		For Extra Heavy Weight Fittings, Add	*1,194.32*	
23 21 13 23-0890	EA	8" Standard Weight, Flanged Steel, Tee	1,365.29	180.00
		For Galvanized Fittings, Add	*876.29*	
		For Extra Heavy Weight Fittings, Add	*1,314.43*	
23 21 13 23-0891		**Flanged Steel, Reducing Tees** *(23 21 13 23-0859)*		
23 21 13 23-0892	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	642.83	90.06
		For Galvanized Fittings, Add	*406.29*	
		For Extra Heavy Weight Fittings, Add	*609.43*	
23 21 13 23-0893	EA	3" Standard Weight, Flanged Steel, Reducing Tee	739.59	99.61
		For Galvanized Fittings, Add	*472.22*	
		For Extra Heavy Weight Fittings, Add	*708.34*	
23 21 13 23-0894	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,233.71	113.94
		For Galvanized Fittings, Add	*850.33*	
		For Extra Heavy Weight Fittings, Add	*1,275.49*	
23 21 13 23-0895	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,337.54	129.11
		For Galvanized Fittings, Add	*915.24*	
		For Extra Heavy Weight Fittings, Add	*1,372.86*	
23 21 13 23-0896	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,671.83	148.23
		For Galvanized Fittings, Add	*1,159.74*	
		For Extra Heavy Weight Fittings, Add	*1,739.60*	
23 21 13 23-0897	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,074.99	166.50
		For Galvanized Fittings, Add	*1,460.30*	
		For Extra Heavy Weight Fittings, Add	*2,190.44*	
23 21 13 23-0898		**Flanged Steel, Concentric Reducers** *(23 21 13 23-0859)*		
23 21 13 23-0899	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	594.89	65.34
		For Galvanized Fittings, Add	*397.56*	
		For Extra Heavy Weight Fittings, Add	*596.34*	
23 21 13 23-0900	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	675.90	74.05
		For Galvanized Fittings, Add	*451.86*	
		For Extra Heavy Weight Fittings, Add	*677.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0901	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	985.97	84.44
		For Galvanized Fittings, Add	*687.49*	
		For Extra Heavy Weight Fittings, Add	*1,031.23*	
23 21 13 23-0902	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,086.41	91.61
		For Galvanized Fittings, Add	*759.24*	
		For Extra Heavy Weight Fittings, Add	*1,138.86*	
23 21 13 23-0903	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,273.89	109.17
		For Galvanized Fittings, Add	*888.20*	
		For Extra Heavy Weight Fittings, Add	*1,332.30*	

23 21 13 23-0904 Flanged Steel, Eccentric Reducers *(23 21 13 23-0859)*

23 21 13 23-0905	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	645.36	74.05
		For Galvanized Fittings, Add	*427.42*	
		For Extra Heavy Weight Fittings, Add	*641.14*	
23 21 13 23-0906	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	866.46	84.44
		For Galvanized Fittings, Add	*591.88*	
		For Extra Heavy Weight Fittings, Add	*887.82*	

23 21 13 23-0907 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0908 Plain End Piping System Couplings *(23 21 13 23-0907)*

23 21 13 23-0909 Plainlock Plain End Piping System Couplings *(23 21 13 23-0908)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0910	EA	1" Plainlock Plain End Piping System Coupling	151.77	7.17
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0911	EA	1-1/2" Plainlock Plain End Piping System Coupling	155.94	9.91
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0912	EA	2" Plainlock Plain End Piping System Coupling	160.79	13.14
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0913	EA	2-1/2" Plainlock Plain End Piping System Coupling	164.91	15.88
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0914	EA	3" Plainlock Plain End Piping System Coupling	195.09	19.11
		For Galvanized Fittings, Add	*33.29*	
23 21 13 23-0915	EA	4" Plainlock Plain End Piping System Coupling	268.80	25.44
		For Galvanized Fittings, Add	*46.12*	
23 21 13 23-0916	EA	6" Plainlock Plain End Piping System Coupling	451.47	41.45
		For Galvanized Fittings, Add	*77.87*	

23 21 13 23-0917 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0908)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0918	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	183.33	9.91
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0919	EA	2" Roust-A-Bout Plain End Piping System Coupling	188.18	13.14
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0920	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	192.31	16.00
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0921	EA	3" Roust-A-Bout Plain End Piping System Coupling	278.10	19.11
		For Galvanized Fittings, Add	*62.36*	
23 21 13 23-0922	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	322.16	22.34
		For Galvanized Fittings, Add	*72.17*	
23 21 13 23-0923	EA	4" Roust-A-Bout Plain End Piping System Coupling	326.89	25.44
		For Galvanized Fittings, Add	*72.17*	
23 21 13 23-0924	EA	5" Roust-A-Bout Plain End Piping System Coupling	460.24	31.89
		For Galvanized Fittings, Add	*103.11*	
23 21 13 23-0925	EA	6" Roust-A-Bout Plain End Piping System Coupling	565.85	41.45
		For Galvanized Fittings, Add	*125.93*	
23 21 13 23-0926	EA	8" Roust-A-Bout Plain End Piping System Coupling	967.31	49.45
		For Galvanized Fittings, Add	*223.30*	
23 21 13 23-0927	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,249.84	58.52
		For Galvanized Fittings, Add	*290.51*	
23 21 13 23-0928	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,562.03	69.27
		For Galvanized Fittings, Add	*364.53*	
23 21 13 23-0929	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,185.37	76.56
		For Galvanized Fittings, Add	*517.63*	
23 21 13 23-0930	EA	16" Roust-A-Bout Plain End Piping System Coupling	2,965.24	86.60
		For Galvanized Fittings, Add	*708.85*	

23 21 13 23-0931 Plain End Piping System Fittings *(23 21 13 23-0907)*

Note: Cast ductile iron bodies.

23 21 13 23-0932 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0931)*

23 21 13 23-0933	EA	1" Plain End Piping System, 90 Degree Elbow	152.64	13.02
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0934	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	162.68	19.71
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0935	EA	2" Plain End Piping System, 90 Degree Elbow	172.16	26.04
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0936	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	180.67	31.77
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0937	EA	3" Plain End Piping System, 90 Degree Elbow	217.54	38.46
		For Galvanized Fittings, Add	*31.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0938	EA	4" Plain End Piping System, 90 Degree Elbow	309.15	50.64
		For Galvanized Fittings, Add	*46.63*	
23 21 13 23-0939	EA	5" Plain End Piping System, 90 Degree Elbow	902.18	63.42
		For Galvanized Fittings, Add	*161.42*	
23 21 13 23-0940	EA	6" Plain End Piping System, 90 Degree Elbow	766.18	83.01
		For Galvanized Fittings, Add	*128.35*	
23 21 13 23-0941	EA	8" Plain End Piping System, 90 Degree Elbow	1,503.30	98.53
		For Galvanized Fittings, Add	*271.09*	
23 21 13 23-0942	EA	10" Plain End Piping System, 90 Degree Elbow	1,876.22	115.14
		For Galvanized Fittings, Add	*340.72*	
23 21 13 23-0943	EA	12" Plain End Piping System, 90 Degree Elbow	2,376.46	138.31
		For Galvanized Fittings, Add	*433.82*	

23 21 13 23-0944 Plain End Piping System, 45 Degree Elbows *(23 21 13 23-0931)*

23 21 13 23-0945	EA	1" Plain End Piping System, 45 Degree Elbow	152.64	13.02
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0946	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	162.68	19.71
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0947	EA	2" Plain End Piping System, 45 Degree Elbow	172.16	26.04
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0948	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	180.67	31.77
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0949	EA	3" Plain End Piping System, 45 Degree Elbow	217.54	38.46
		For Galvanized Fittings, Add	*31.98*	
23 21 13 23-0950	EA	4" Plain End Piping System, 45 Degree Elbow	309.15	50.64
		For Galvanized Fittings, Add	*46.63*	
23 21 13 23-0951	EA	5" Plain End Piping System, 45 Degree Elbow	902.18	63.42
		For Galvanized Fittings, Add	*161.42*	
23 21 13 23-0952	EA	6" Plain End Piping System, 45 Degree Elbow	768.65	83.01
		For Galvanized Fittings, Add	*128.85*	
23 21 13 23-0953	EA	8" Plain End Piping System, 45 Degree Elbow	892.61	98.53
		For Galvanized Fittings, Add	*148.96*	
23 21 13 23-0954	EA	10" Plain End Piping System, 45 Degree Elbow	1,211.99	115.14
		For Galvanized Fittings, Add	*207.88*	
23 21 13 23-0955	EA	12" Plain End Piping System, 45 Degree Elbow	1,550.13	138.31
		For Galvanized Fittings, Add	*268.55*	

23 21 13 23-0956 Plain End Piping System, Tees *(23 21 13 23-0931)*

23 21 13 23-0957	EA	1" Plain End Piping System, Tee	208.82	19.71
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0958	EA	1-1/2" Plain End Piping System, Tee	223.63	29.62
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0959	EA	2" Plain End Piping System, Tee	236.69	38.34
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0960	EA	2-1/2" Plain End Piping System, Tee	249.68	46.94
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0961	EA	3" Plain End Piping System, Tee	344.53	57.69
		For Galvanized Fittings, Add	*51.59*	
23 21 13 23-0962	EA	4" Plain End Piping System, Tee	470.60	74.65
		For Galvanized Fittings, Add	*71.75*	
23 21 13 23-0963	EA	5" Plain End Piping System, Tee	934.47	97.59
		For Galvanized Fittings, Add	*157.62*	
23 21 13 23-0964	EA	6" Plain End Piping System, Tee	1,155.84	122.19
		For Galvanized Fittings, Add	*194.53*	
23 21 13 23-0965	EA	8" Plain End Piping System, Tee	1,570.53	148.58
		For Galvanized Fittings, Add	*269.54*	
23 21 13 23-0966	EA	10" Plain End Piping System, Tee	2,317.72	173.19
		For Galvanized Fittings, Add	*411.61*	
23 21 13 23-0967	EA	12" Plain End Piping System, Tee	3,095.13	207.47
		For Galvanized Fittings, Add	*556.82*	

23 21 13 23-0968 Plain End Piping System, Reducing Tees *(23 21 13 23-0931)*

23 21 13 23-0969	EA	1-1/2" Plain End Piping System, Reducing Tee	401.92	31.77
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0970	EA	2" Plain End Piping System, Reducing Tee	411.75	38.34
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0971	EA	2-1/2" Plain End Piping System, Reducing Tee	424.74	46.94
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0972	EA	3" Plain End Piping System, Reducing Tee	440.88	57.69
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0973	EA	4" Plain End Piping System, Reducing Tee	634.93	74.65
		For Galvanized Fittings, Add	*104.62*	
23 21 13 23-0974	EA	6" Plain End Piping System, Reducing Tee	1,071.45	122.19
		For Galvanized Fittings, Add	*177.65*	
23 21 13 23-0975	EA	8" Plain End Piping System, Reducing Tee	1,392.63	148.58
		For Galvanized Fittings, Add	*233.96*	
23 21 13 23-0976	EA	10" Plain End Piping System, Reducing Tee	2,063.08	173.19
		For Galvanized Fittings, Add	*360.68*	
23 21 13 23-0977	EA	12" Plain End Piping System, Reducing Tee	3,022.27	207.47
		For Galvanized Fittings, Add	*542.25*	

23 21 13 23-0978 Plain End Piping System, Wyes *(23 21 13 23-0931)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0979	EA	2" Plain End Piping System, Wye	582.49	38.34
		For Galvanized Fittings, Add	*105.01*	
23 21 13 23-0980	EA	2-1/2" Plain End Piping System, Wye	595.48	46.94
		For Galvanized Fittings, Add	*105.01*	
23 21 13 23-0981	EA	3" Plain End Piping System, Wye	676.76	57.69
		For Galvanized Fittings, Add	*118.04*	
23 21 13 23-0982	EA	4" Plain End Piping System, Wye	987.89	74.65
		For Galvanized Fittings, Add	*175.21*	
23 21 13 23-0983	EA	5" Plain End Piping System, Wye	1,212.42	97.59
		For Galvanized Fittings, Add	*213.21*	
23 21 13 23-0984	EA	6" Plain End Piping System, Wye	1,651.17	122.19
		For Galvanized Fittings, Add	*293.60*	
23 21 13 23-0985	EA	8" Plain End Piping System, Wye	2,123.97	148.58
		For Galvanized Fittings, Add	*380.23*	
23 21 13 23-0986	EA	10" Plain End Piping System, Wye	3,063.12	173.19
		For Galvanized Fittings, Add	*560.69*	
23 21 13 23-0987	EA	12" Plain End Piping System, Wye	4,632.81	207.47
		For Galvanized Fittings, Add	*864.35*	

23 21 13 23-0988 Plain End Piping System, Laterals *(23 21 13 23-0931)*

23 21 13 23-0989	EA	2" Plain End Piping System, Lateral	619.63	38.34
		For Galvanized Fittings, Add	*112.44*	
23 21 13 23-0990	EA	2-1/2" Plain End Piping System, Lateral	632.62	46.94
		For Galvanized Fittings, Add	*112.44*	
23 21 13 23-0991	EA	3" Plain End Piping System, Lateral	713.65	57.69
		For Galvanized Fittings, Add	*125.42*	
23 21 13 23-0992	EA	4" Plain End Piping System, Lateral	1,058.33	74.65
		For Galvanized Fittings, Add	*189.30*	
23 21 13 23-0993	EA	5" Plain End Piping System, Lateral	1,380.20	97.59
		For Galvanized Fittings, Add	*246.76*	
23 21 13 23-0994	EA	6" Plain End Piping System, Lateral	1,759.12	122.19
		For Galvanized Fittings, Add	*315.19*	
23 21 13 23-0995	EA	8" Plain End Piping System, Lateral	2,520.48	148.58
		For Galvanized Fittings, Add	*459.53*	
23 21 13 23-0996	EA	10" Plain End Piping System, Lateral	3,503.06	173.19
		For Galvanized Fittings, Add	*648.68*	
23 21 13 23-0997	EA	12" Plain End Piping System, Lateral	4,698.20	207.47
		For Galvanized Fittings, Add	*877.43*	

23 21 13 23-0998 Plain End Piping System, Crosses *(23 21 13 23-0931)*

23 21 13 23-0999	EA	2" Plain End Piping System, Cross	696.48	57.46
		For Galvanized Fittings, Add	*76.30*	
23 21 13 23-1000	EA	2-1/2" Plain End Piping System, Cross	715.94	70.35
		For Galvanized Fittings, Add	*76.30*	
23 21 13 23-1001	EA	3" Plain End Piping System, Cross	837.85	86.60
		For Galvanized Fittings, Add	*88.50*	
23 21 13 23-1002	EA	4" Plain End Piping System, Cross	1,140.41	111.91
		For Galvanized Fittings, Add	*121.58*	
23 21 13 23-1003	EA	5" Plain End Piping System, Cross	1,601.06	146.44
		For Galvanized Fittings, Add	*172.69*	
23 21 13 23-1004	EA	6" Plain End Piping System, Cross	2,098.10	182.74
		For Galvanized Fittings, Add	*228.02*	
23 21 13 23-1005	EA	8" Plain End Piping System, Cross	2,671.99	221.33
		For Galvanized Fittings, Add	*292.53*	
23 21 13 23-1006	EA	10" Plain End Piping System, Cross	3,802.30	258.71
		For Galvanized Fittings, Add	*426.81*	
23 21 13 23-1007	EA	12" Plain End Piping System, Cross	5,390.02	311.26
		For Galvanized Fittings, Add	*615.43*	

23 21 13 23-1008 Plain End Piping System, Adapter Nipples *(23 21 13 23-0931)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-1009	EA	1" Plain End Piping System, Adapter Nipple	48.92	7.17
		For Galvanized Fittings, Add	*9.54*	
23 21 13 23-1010	EA	1-1/2" Plain End Piping System, Adapter Nipple	54.15	9.91
		For Galvanized Fittings, Add	*9.81*	
23 21 13 23-1011	EA	2" Plain End Piping System, Adapter Nipple	58.87	13.14
		For Galvanized Fittings, Add	*9.81*	
23 21 13 23-1012	EA	2-1/2" Plain End Piping System, Adapter Nipple	69.84	15.88
		For Galvanized Fittings, Add	*11.49*	
23 21 13 23-1013	EA	3" Plain End Piping System, Adapter Nipple	85.45	19.11
		For Galvanized Fittings, Add	*14.20*	
23 21 13 23-1014	EA	4" Plain End Piping System, Adapter Nipple	133.16	25.44
		For Galvanized Fittings, Add	*23.74*	
23 21 13 23-1015	EA	6" Plain End Piping System, Adapter Nipple	304.52	31.89
		For Galvanized Fittings, Add	*64.19*	

23 21 13 23-1016 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0931)*

23 21 13 23-1017	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	153.95	17.08
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1018	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	158.74	20.30
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1019	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	163.57	23.53
		For Galvanized Fittings, Add	*32.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1020	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	162.39	22.81
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1021	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	167.10	25.92
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1022	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	171.86	29.02
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1023	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	195.56	26.28
		For Galvanized Fittings, Add	*39.06*	
23 21 13 23-1024	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	199.81	29.02
		For Galvanized Fittings, Add	*39.06*	
23 21 13 23-1025	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	168.55	32.25
		For Galvanized Fittings, Add	*30.04*	
23 21 13 23-1026	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	177.80	38.46
		For Galvanized Fittings, Add	*30.04*	
23 21 13 23-1027	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	205.75	41.45
		For Galvanized Fittings, Add	*35.92*	
23 21 13 23-1028	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	268.63	32.60
		For Galvanized Fittings, Add	*54.92*	
23 21 13 23-1029	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	272.81	35.47
		For Galvanized Fittings, Add	*54.92*	
23 21 13 23-1030	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	224.33	38.70
		For Galvanized Fittings, Add	*41.59*	
23 21 13 23-1031	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	228.43	41.45
		For Galvanized Fittings, Add	*41.59*	
23 21 13 23-1032	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	233.30	44.67
		For Galvanized Fittings, Add	*41.59*	
23 21 13 23-1033	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	237.96	47.77
		For Galvanized Fittings, Add	*41.59*	
23 21 13 23-1034	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	679.29	45.03
		For Galvanized Fittings, Add	*152.93*	
23 21 13 23-1035	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	548.53	50.88
		For Galvanized Fittings, Add	*118.04*	
23 21 13 23-1036	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	474.60	57.46
		For Galvanized Fittings, Add	*97.14*	
23 21 13 23-1037	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	1,238.43	48.61
		For Galvanized Fittings, Add	*291.40*	
23 21 13 23-1038	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,242.56	51.36
		For Galvanized Fittings, Add	*291.40*	
23 21 13 23-1039	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	943.91	54.59
		For Galvanized Fittings, Add	*215.53*	
23 21 13 23-1040	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	948.16	57.46
		For Galvanized Fittings, Add	*215.53*	
23 21 13 23-1041	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	649.48	60.56
		For Galvanized Fittings, Add	*139.68*	
23 21 13 23-1042	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	653.81	63.42
		For Galvanized Fittings, Add	*139.68*	
23 21 13 23-1043	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	523.93	66.89
		For Galvanized Fittings, Add	*105.93*	
23 21 13 23-1044	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	595.62	73.22
		For Galvanized Fittings, Add	*121.46*	
23 21 13 23-1045	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	776.42	68.44
		For Galvanized Fittings, Add	*168.45*	
23 21 13 23-1046	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	786.06	74.89
		For Galvanized Fittings, Add	*168.45*	
23 21 13 23-1047	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	888.43	81.34
		For Galvanized Fittings, Add	*191.64*	
23 21 13 23-1048	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	995.60	90.89
		For Galvanized Fittings, Add	*214.81*	

23 21 13 23-1049 Plain End Piping System, Bull Plugs *(23 21 13 23-0931)*

23 21 13 23-1050	EA	1" Plain End Piping System, Bull Plug	300.18	7.17
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1051	EA	1-1/2" Plain End Piping System, Bull Plug	304.36	9.91
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1052	EA	2" Plain End Piping System, Bull Plug	309.08	13.14
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1053	EA	2-1/2" Plain End Piping System, Bull Plug	313.32	15.88
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1054	EA	3" Plain End Piping System, Bull Plug	452.93	19.11
		For Galvanized Fittings, Add	*127.28*	
23 21 13 23-1055	EA	4" Plain End Piping System, Bull Plug	586.23	25.44
		For Galvanized Fittings, Add	*164.40*	
23 21 13 23-1056	EA	5" Plain End Piping System, Bull Plug	1,016.22	31.89
		For Galvanized Fittings, Add	*290.54*	
23 21 13 23-1057	EA	6" Plain End Piping System, Bull Plug	1,353.78	41.45
		For Galvanized Fittings, Add	*387.50*	
23 21 13 23-1058	EA	8" Plain End Piping System, Bull Plug	2,502.46	49.33
		For Galvanized Fittings, Add	*728.53*	
23 21 13 23-1059	EA	10" Plain End Piping System, Bull Plug	4,494.94	57.69
		For Galvanized Fittings, Add	*1,322.51*	
23 21 13 23-1060	EA	12" Plain End Piping System, Bull Plug	6,883.19	69.27
		For Galvanized Fittings, Add	*2,033.79*	

23 21 13 23-1061 Carbon Steel Piping Systems *(23 21 13 23)*

23 21 13 23-1062 Class 3,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1061)*

Note: ASTM A105

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1063		**90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1064	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	41.68	23.64
23 21 13 23-1065	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	46.81	26.39
23 21 13 23-1066	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	57.49	29.50
23 21 13 23-1067	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	74.78	33.44
23 21 13 23-1068	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	85.21	37.63
23 21 13 23-1069	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	113.96	47.89
23 21 13 23-1070	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	213.28	70.83
23 21 13 23-1071	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	299.57	93.17
23 21 13 23-1072	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	484.46	96.73
23 21 13 23-1073		**45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1074	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	44.45	23.64
23 21 13 23-1075	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	51.00	26.39
23 21 13 23-1076	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	58.78	29.50
23 21 13 23-1077	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	76.41	33.44
23 21 13 23-1078	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	89.12	37.63
23 21 13 23-1079	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	113.87	47.89
23 21 13 23-1080	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	237.21	70.83
23 21 13 23-1081	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	319.81	93.17
23 21 13 23-1082	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	475.70	96.73
23 21 13 23-1083		**Straight Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1084	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	51.38	29.50
23 21 13 23-1085	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	61.36	34.04
23 21 13 23-1086	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	78.58	40.25
23 21 13 23-1087	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	101.51	47.89
23 21 13 23-1088	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	122.53	57.09
23 21 13 23-1089	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	159.75	70.83
23 21 13 23-1090	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	268.67	93.17
23 21 13 23-1091	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	359.56	110.60
23 21 13 23-1092	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	638.10	122.11
23 21 13 23-1093		**Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1094	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	52.14	29.50
23 21 13 23-1095	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	62.14	34.04
23 21 13 23-1096	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	79.51	40.25
23 21 13 23-1097	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	103.73	47.89
23 21 13 23-1098	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	125.14	57.09
23 21 13 23-1099	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	163.75	70.83
23 21 13 23-1100	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	278.18	93.17
23 21 13 23-1101	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	373.26	110.60
23 21 13 23-1102	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	589.36	122.11
23 21 13 23-1103		**Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1104	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	38.26	23.64
23 21 13 23-1105	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	43.02	26.39
23 21 13 23-1106	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	49.46	29.50
23 21 13 23-1107	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	56.66	33.44
23 21 13 23-1108	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	65.31	37.63
23 21 13 23-1109	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	84.67	47.89
23 21 13 23-1110	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 Lb.	138.68	70.83
23 21 13 23-1111	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	184.52	93.17
23 21 13 23-1112	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	234.38	96.73
23 21 13 23-1113		**Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1114	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	39.81	23.64
23 21 13 23-1115	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	44.72	26.39
23 21 13 23-1116	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	52.17	29.50
23 21 13 23-1117	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	59.94	33.44
23 21 13 23-1118	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	70.18	37.63
23 21 13 23-1119	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	89.87	47.89
23 21 13 23-1120	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	150.13	70.83
23 21 13 23-1121	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	207.55	93.17
23 21 13 23-1122	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	282.25	96.73
23 21 13 23-1123		**Caps, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1124	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	21.13	11.11
23 21 13 23-1125	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	23.65	11.83
23 21 13 23-1126	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	27.61	13.62
23 21 13 23-1127	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	31.50	14.81
23 21 13 23-1128	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	34.95	14.81
23 21 13 23-1129	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	45.29	18.99
23 21 13 23-1130	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	74.84	23.64
23 21 13 23-1131	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	104.96	28.55
23 21 13 23-1132	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	146.60	33.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1133		**Black Cast Iron Square Head Plug** *(23 21 13 23-1062)*		
23 21 13 23-1134	EA	1/2" Square Head Plug, Black, Cast Iron	15.09	9.43
23 21 13 23-1135	EA	3/4" Square Head Plug, Black, Cast Iron	16.56	9.43
23 21 13 23-1136	EA	1" Square Head Plug, Black, Cast Iron	24.14	14.33
23 21 13 23-1137	EA	1-1/4" Square Head Plug, Black, Cast Iron	24.44	14.33
23 21 13 23-1138	EA	1-1/2" Square Head Plug, Black, Cast Iron	25.66	14.33
23 21 13 23-1139	EA	2" Square Head Plug, Black, Cast Iron	34.05	18.99
23 21 13 23-1140	EA	2-1/2" Square Head Plug, Black, Cast Iron	43.38	23.64
23 21 13 23-1141	EA	3" Square Head Plug, Black, Cast Iron	55.64	28.55
23 21 13 23-1142	EA	4" Square Head Plug, Black, Cast Iron	64.75	33.10
23 21 13 23-1143		**Unions, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1144	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	60.33	29.50
23 21 13 23-1145	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	67.56	34.04
23 21 13 23-1146	EA	1" Union, Carbon Steel, Socket Weld, 3,000 Lb.	84.46	40.25
23 21 13 23-1147	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	105.06	47.89
23 21 13 23-1148	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	126.28	57.09
23 21 13 23-1149	EA	2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	157.56	70.83
23 21 13 23-1150	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	246.98	76.92
23 21 13 23-1151	EA	3" Union, Carbon Steel, Socket Weld, 3,000 Lb.	326.19	93.17
23 21 13 23-1152		**Class 6,000 Lb. Carbon Steel Socket Weld Fittings** *(23 21 13 23-1061)* Note: ASTM A105		
23 21 13 23-1153		**90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1154	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	45.02	23.64
23 21 13 23-1155	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	50.62	26.39
23 21 13 23-1156	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	64.53	29.50
23 21 13 23-1157	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	87.90	33.44
23 21 13 23-1158	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	100.48	37.63
23 21 13 23-1159	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	136.38	47.89
23 21 13 23-1160	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	270.16	70.83
23 21 13 23-1161	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	384.48	93.17
23 21 13 23-1162	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	664.78	96.73
23 21 13 23-1163		**45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1164	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	49.58	23.64
23 21 13 23-1165	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	57.44	26.39
23 21 13 23-1166	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	67.01	29.50
23 21 13 23-1167	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	91.32	33.44
23 21 13 23-1168	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	107.61	37.63
23 21 13 23-1169	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	137.73	47.89
23 21 13 23-1170	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	311.40	70.83
23 21 13 23-1171	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	421.80	93.17
23 21 13 23-1172	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	662.97	96.73
23 21 13 23-1173		**Straight Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1174	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	58.00	29.50
23 21 13 23-1175	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	70.92	34.04
23 21 13 23-1176	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	95.48	40.25
23 21 13 23-1177	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	129.07	47.89
23 21 13 23-1178	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	156.71	57.09
23 21 13 23-1179	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	209.37	70.83
23 21 13 23-1180	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	388.13	93.17
23 21 13 23-1181	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	538.94	110.60
23 21 13 23-1182	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	1,059.53	122.11
23 21 13 23-1183		**Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1184	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	52.14	29.50
23 21 13 23-1185	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	62.14	34.04
23 21 13 23-1186	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	79.51	40.25
23 21 13 23-1187	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	103.73	47.89
23 21 13 23-1188	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	125.14	57.09
23 21 13 23-1189	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	163.75	70.83
23 21 13 23-1190	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	278.18	93.17
23 21 13 23-1191	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	373.26	110.60
23 21 13 23-1192	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	589.36	122.11
23 21 13 23-1193		**Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1194	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	39.65	23.64
23 21 13 23-1195	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	44.67	26.39
23 21 13 23-1196	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	51.98	29.50
23 21 13 23-1197	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	59.84	33.44
23 21 13 23-1198	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	69.59	37.63
23 21 13 23-1199	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	90.92	47.89
23 21 13 23-1200	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	154.39	70.83
23 21 13 23-1201	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	206.19	93.17
23 21 13 23-1202	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	277.62	96.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1203		**Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1204	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	41.93	23.64
23 21 13 23-1205	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	47.17	26.39
23 21 13 23-1206	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	55.98	29.50
23 21 13 23-1207	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	64.67	33.44
23 21 13 23-1208	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	76.76	37.63
23 21 13 23-1209	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	98.57	47.89
23 21 13 23-1210	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	171.22	70.83
23 21 13 23-1211	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	240.12	93.17
23 21 13 23-1212	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb	348.16	96.73
23 21 13 23-1213		**Caps, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1214	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	24.18	11.11
23 21 13 23-1215	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	27.64	11.83
23 21 13 23-1216	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	32.45	13.62
23 21 13 23-1217	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	37.81	14.81
23 21 13 23-1218	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	43.56	14.81
23 21 13 23-1219	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	56.53	18.99
23 21 13 23-1220	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	101.32	23.64
23 21 13 23-1221	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	146.68	28.55
23 21 13 23-1222	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	211.64	33.10
23 21 13 23-1223		**Black Cast Iron Square Head Plug** *(23 21 13 23-1152)*		
23 21 13 23-1224	EA	1/2" Square Head Plug, Black Cast Iron	15.09	9.43
23 21 13 23-1225	EA	3/4" Square Head Plug, Black Cast Iron	16.57	9.43
23 21 13 23-1226	EA	1" Square Head Plug, Black Cast Iron	24.16	14.33
23 21 13 23-1227	EA	1-1/4" Square Head Plug, Black Cast Iron	24.45	14.33
23 21 13 23-1228	EA	1-1/2" Square Head Plug, Black Cast Iron	25.68	14.33
23 21 13 23-1229	EA	2" Square Head Plug, Black Cast Iron	34.08	18.99
23 21 13 23-1230	EA	2-1/2" Square Head Plug, Black Cast Iron	43.42	23.64
23 21 13 23-1231	EA	3" Square Head Plug, Black Cast Iron	55.71	28.55
23 21 13 23-1232	EA	4" Square Head Plug, Black Cast Iron	64.83	33.10
23 21 13 23-1233		**Unions, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1234	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	70.18	29.50
23 21 13 23-1235	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	77.66	34.04
23 21 13 23-1236	EA	1" Union, Carbon Steel, Socket Weld, 6,000 Lb.	99.22	40.25
23 21 13 23-1237	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	125.43	47.89
23 21 13 23-1238	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	151.14	57.09
23 21 13 23-1239	EA	2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	188.98	70.83
23 21 13 23-1240	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	327.44	76.92
23 21 13 23-1241	EA	3" Union, Carbon Steel, Socket Weld, 6,000 Lb.	440.23	93.17
23 21 13 23-1242		**Carbon Steel, Seamless Piping System** *(23 21 13 23-1061)* Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1243		**Schedule 40, Carbon Steel, Seamless Piping** *(23 21 13 23-1242)* Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1244	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	11.05	4.42
		For Schedule 80, Add	*1.59*	
23 21 13 23-1245	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	11.28	4.78
		For Schedule 80, Add	*1.45*	
		For Schedule 160, Add	*6.06*	
23 21 13 23-1246	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	12.65	5.13
		For Schedule 80, Add	*1.78*	
		For Schedule 160, Add	*7.41*	
23 21 13 23-1247	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	13.45	5.62
		For Schedule 80, Add	*1.84*	
		For Schedule 160, Add	*7.65*	
23 21 13 23-1248	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	18.65	6.93
		For Schedule 80, Add	*2.97*	
		For Schedule 160, Add	*12.39*	
23 21 13 23-1249	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	22.46	8.36
		For Schedule 80, Add	*3.56*	
		For Schedule 160, Add	*14.84*	
23 21 13 23-1250		**90 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1251	EA	1/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	31.16	18.16
23 21 13 23-1252	EA	1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	37.29	21.26
23 21 13 23-1253	EA	3/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	41.69	23.77
23 21 13 23-1254	EA	1" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	47.42	26.51
23 21 13 23-1255	EA	1-1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	70.47	33.92
23 21 13 23-1256	EA	2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	89.36	43.12
23 21 13 23-1257	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	32.43	18.16
23 21 13 23-1258	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	37.76	21.26
23 21 13 23-1259	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	43.25	23.77
23 21 13 23-1260	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	50.82	26.51
23 21 13 23-1261	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	78.58	33.92
23 21 13 23-1262	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	98.33	43.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1263	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	42.18	21.26
23 21 13 23-1264	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	48.81	23.77
23 21 13 23-1265	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	56.66	26.51
23 21 13 23-1266	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	95.00	33.92
23 21 13 23-1267	EA	2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	141.87	43.12
23 21 13 23-1268		**45 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1269	EA	1/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	33.93	18.16
23 21 13 23-1270	EA	1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	38.31	21.26
23 21 13 23-1271	EA	3/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	43.01	23.77
23 21 13 23-1272	EA	1" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	48.42	26.51
23 21 13 23-1273	EA	1-1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	67.23	33.92
23 21 13 23-1274	EA	2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	94.36	43.12
23 21 13 23-1275	EA	1/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	34.13	18.16
23 21 13 23-1276	EA	1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	39.47	21.26
23 21 13 23-1277	EA	3/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	44.34	23.77
23 21 13 23-1278	EA	1" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	51.89	26.51
23 21 13 23-1279	EA	1-1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	77.33	33.92
23 21 13 23-1280	EA	2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	101.12	43.12
23 21 13 23-1281	EA	1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	45.23	21.26
23 21 13 23-1282	EA	3/4" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	54.31	23.77
23 21 13 23-1283	EA	1" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	58.73	26.51
23 21 13 23-1284	EA	1-1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	106.71	33.92
23 21 13 23-1285	EA	2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	142.64	43.12
23 21 13 23-1286		**Straight Tees, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1287	EA	1/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	41.41	25.20
23 21 13 23-1288	EA	1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	46.86	26.51
23 21 13 23-1289	EA	3/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	55.55	30.70
23 21 13 23-1290	EA	1" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	67.43	36.19
23 21 13 23-1291	EA	1-1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	104.71	51.36
23 21 13 23-1292	EA	2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	129.82	63.78
23 21 13 23-1293	EA	1/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	42.49	25.20
23 21 13 23-1294	EA	1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	47.56	26.51
23 21 13 23-1295	EA	3/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	57.90	30.70
23 21 13 23-1296	EA	1" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	69.45	36.19
23 21 13 23-1297	EA	1-1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	111.67	51.36
23 21 13 23-1298	EA	2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	141.34	63.78
23 21 13 23-1299	EA	1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	52.86	26.51
23 21 13 23-1300	EA	3/4" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	63.60	30.70
23 21 13 23-1301	EA	1" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	83.52	36.19
23 21 13 23-1302	EA	1-1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	127.66	51.36
23 21 13 23-1303	EA	2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	192.32	63.78
23 21 13 23-1304		**Crosses, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1305	EA	1/4" Cross, 2,000 Lb., Screwed Carbon Steel	60.06	31.89
23 21 13 23-1306	EA	1/2" Cross, 2,000 Lb., Screwed Carbon Steel	70.12	35.83
23 21 13 23-1307	EA	3/4" Cross, 2,000 Lb., Screwed Carbon Steel	75.16	38.22
23 21 13 23-1308	EA	1" Cross, 2,000 Lb., Screwed Carbon Steel	92.43	46.10
23 21 13 23-1309	EA	1-1/2" Cross, 2,000 Lb., Screwed Carbon Steel	152.78	64.50
23 21 13 23-1310	EA	2" Cross, 2,000 Lb., Screwed Carbon Steel	195.37	79.67
23 21 13 23-1311	EA	1/2" Cross, 3,000 Lb., Screwed Carbon Steel	71.44	35.83
23 21 13 23-1312	EA	3/4" Cross, 3,000 Lb., Screwed Carbon Steel	82.78	38.22
23 21 13 23-1313	EA	1" Cross, 3,000 Lb., Screwed Carbon Steel	99.09	46.10
23 21 13 23-1314	EA	1-1/2" Cross, 3,000 Lb., Screwed Carbon Steel	162.38	64.50
23 21 13 23-1315	EA	2" Cross, 3,000 Lb., Screwed Carbon Steel	212.91	79.67
23 21 13 23-1316	EA	1/2" Cross, 6,000 Lb., Screwed Carbon Steel	96.24	35.83
23 21 13 23-1317	EA	3/4" Cross, 6,000 Lb., Screwed Carbon Steel	150.47	38.22
23 21 13 23-1318	EA	1" Cross, 6,000 Lb., Screwed Carbon Steel	203.39	46.10
23 21 13 23-1319	EA	1-1/2" Cross, 6,000 Lb., Screwed Carbon Steel	317.48	64.50
23 21 13 23-1320	EA	2" Cross, 6,000 Lb., Screwed Carbon Steel	352.38	79.67
23 21 13 23-1321		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1322	EA	1/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	29.67	18.16
23 21 13 23-1323	EA	1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	34.05	21.26
23 21 13 23-1324	EA	3/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	38.68	23.77
23 21 13 23-1325	EA	1" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	44.37	26.51
23 21 13 23-1326	EA	1-1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	62.29	33.92
23 21 13 23-1327	EA	2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	79.08	43.12
23 21 13 23-1328	EA	1/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	32.85	18.16
23 21 13 23-1329	EA	1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	36.06	21.26
23 21 13 23-1330	EA	3/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	40.22	23.77
23 21 13 23-1331	EA	1" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	46.43	26.51
23 21 13 23-1332	EA	1-1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	65.43	33.92
23 21 13 23-1333	EA	2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	90.57	43.12
23 21 13 23-1334		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1335	EA	1/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	30.11	19.35
23 21 13 23-1336	EA	1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	35.09	21.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1337	EA	3/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	40.27	23.77
23 21 13 23-1338	EA	1" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	46.58	26.51
23 21 13 23-1339	EA	1-1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	62.86	33.92
23 21 13 23-1340	EA	2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	82.18	43.12
23 21 13 23-1341	EA	1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	75.80	21.26
23 21 13 23-1342	EA	3/4" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	79.60	23.77
23 21 13 23-1343	EA	1" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	92.41	26.51
23 21 13 23-1344	EA	1-1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	130.66	33.92
23 21 13 23-1345	EA	2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	184.80	43.12

23 21 13 23-1346 Caps, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1347	EA	1/4" Cap, 3,000 Lb., Screwed Carbon Steel	14.09	8.12
23 21 13 23-1348	EA	1/2" Cap, 3,000 Lb., Screwed Carbon Steel	16.36	9.43
23 21 13 23-1349	EA	3/4" Cap, 3,000 Lb., Screwed Carbon Steel	18.88	10.63
23 21 13 23-1350	EA	1" Cap, 3,000 Lb., Screwed Carbon Steel	22.27	11.83
23 21 13 23-1351	EA	1-1/2" Cap, 3,000 Lb., Screwed Carbon Steel	29.83	15.05
23 21 13 23-1352	EA	2" Cap, 3,000 Lb., Screwed Carbon Steel	39.87	19.23
23 21 13 23-1353	EA	1/4" Cap, 6,000 Lb., Screwed Carbon Steel	17.91	8.12
23 21 13 23-1354	EA	1/2" Cap, 6,000 Lb., Screwed Carbon Steel	18.80	9.43
23 21 13 23-1355	EA	3/4" Cap, 6,000 Lb., Screwed Carbon Steel	22.86	10.63
23 21 13 23-1356	EA	1" Cap, 6,000 Lb., Screwed Carbon Steel	25.18	11.83
23 21 13 23-1357	EA	1-1/2" Cap, 6,000 Lb., Screwed Carbon Steel	41.68	15.05
23 21 13 23-1358	EA	2" Cap, 6,000 Lb., Screwed Carbon Steel	51.41	19.23

23 21 13 23-1359 Nipples, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1360	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	18.13	10.87
23 21 13 23-1361	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	18.51	11.34
23 21 13 23-1362	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	18.41	11.34
23 21 13 23-1363	EA	1" Nipple, 2" Long, Screwed Carbon Steel	20.31	12.30
23 21 13 23-1364	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	22.82	13.26
23 21 13 23-1365	EA	2" Nipple, 2" Long, Screwed Carbon Steel	27.89	17.08
23 21 13 23-1366	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	18.86	10.87
23 21 13 23-1367	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	19.09	11.34
23 21 13 23-1368	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	19.07	11.34
23 21 13 23-1369	EA	1" Nipple, 4" Long, Screwed Carbon Steel	21.19	12.30
23 21 13 23-1370	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	24.39	13.26
23 21 13 23-1371	EA	2" Nipple, 4" Long, Screwed Carbon Steel	30.18	17.08
23 21 13 23-1372	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	20.60	10.87
23 21 13 23-1373	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	20.00	11.34
23 21 13 23-1374	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	20.09	11.34
23 21 13 23-1375	EA	1" Nipple, 6" Long, Screwed Carbon Steel	22.46	12.30
23 21 13 23-1376	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	26.54	13.26
23 21 13 23-1377	EA	2" Nipple, 6" Long, Screwed Carbon Steel	32.09	17.08

23 21 13 23-1378 Unions, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1379	EA	1/4" Union, 3,000 Lb., Screwed Carbon Steel	38.41	26.39
23 21 13 23-1380	EA	1/2" Union, 3,000 Lb., Screwed Carbon Steel	41.06	26.51
23 21 13 23-1381	EA	3/4" Union, 3,000 Lb., Screwed Carbon Steel	47.22	30.70
23 21 13 23-1382	EA	1" Union, 3,000 Lb., Screwed Carbon Steel	56.16	36.19
23 21 13 23-1383	EA	1-1/2" Union, 3,000 Lb., Screwed Carbon Steel	80.21	51.36
23 21 13 23-1384	EA	2" Union, 3,000 Lb., Screwed Carbon Steel	99.53	63.78
23 21 13 23-1385	EA	1/4" Union, 6,000 Lb., Screwed Carbon Steel	55.29	26.39
23 21 13 23-1386	EA	1/2" Union, 6,000 Lb., Screwed Carbon Steel	61.46	26.51
23 21 13 23-1387	EA	3/4" Union, 6,000 Lb., Screwed Carbon Steel	71.94	30.70
23 21 13 23-1388	EA	1" Union, 6,000 Lb., Screwed Carbon Steel	86.62	36.19
23 21 13 23-1389	EA	1-1/2" Union, 6,000 Lb., Screwed Carbon Steel	142.49	51.36
23 21 13 23-1390	EA	2" Union, 6,000 Lb., Screwed Carbon Steel	176.19	63.78

23 21 13 23-1391 Weld Neck Flanges, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1392	EA	1/2" Flange, 150 Lb., Screwed Carbon Steel	82.99	49.33
23 21 13 23-1393	EA	3/4" Flange, 150 Lb., Screwed Carbon Steel	86.86	51.72
23 21 13 23-1394	EA	1" Flange, 150 Lb., Screwed Carbon Steel	90.23	53.98
23 21 13 23-1395	EA	1-1/2" Flange, 150 Lb., Screwed Carbon Steel	100.77	60.80
23 21 13 23-1396	EA	2" Flange, 150 Lb., Screwed Carbon Steel	104.75	63.42
23 21 13 23-1397	EA	1/2" Flange, 300 Lb., Screwed Carbon Steel	83.57	49.33
		For Ring Type Joint, Add	*9.55*	
		For Blind Flange, Deduct	*-31.52*	
23 21 13 23-1398	EA	3/4" Flange, 300 Lb., Screwed Carbon Steel	87.47	51.72
		For Ring Type Joint, Add	*9.87*	
		For Blind Flange, Deduct	*-33.01*	
23 21 13 23-1399	EA	1" Flange, 300 Lb., Screwed Carbon Steel	91.15	53.98
		For Ring Type Joint, Add	*10.18*	
		For Blind Flange, Deduct	*-34.42*	
23 21 13 23-1400	EA	1-1/2" Flange, 300 Lb., Screwed Carbon Steel	102.96	60.80
		For Ring Type Joint, Add	*11.78*	
		For Blind Flange, Deduct	*-38.83*	
23 21 13 23-1401	EA	2" Flange, 300 Lb., Screwed Carbon Steel	106.94	63.42
		For Ring Type Joint, Add	*11.78*	
		For Blind Flange, Deduct	*-40.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1402	EA	1/2" Flange, 600 Lb., Screwed Carbon Steel	87.32	49.33
		For Ring Type Joint, Add	*13.30*	
		For Blind Flange, Deduct	*-32.27*	
23 21 13 23-1403	EA	3/4" Flange, 600 Lb., Screwed Carbon Steel	90.90	51.72
		For Ring Type Joint, Add	*13.30*	
		For Blind Flange, Deduct	*-33.70*	
23 21 13 23-1404	EA	1" Flange, 600 Lb., Screwed Carbon Steel	94.88	53.98
		For Ring Type Joint, Add	*13.91*	
		For Blind Flange, Deduct	*-35.17*	
23 21 13 23-1405	EA	1-1/2" Flange, 600 Lb., Screwed Carbon Steel	107.58	60.80
		For Ring Type Joint, Add	*16.40*	
		For Blind Flange, Deduct	*-39.75*	
23 21 13 23-1406	EA	2" Flange, 600 Lb., Screwed Carbon Steel	110.42	63.42
		For Ring Type Joint, Add	*15.26*	
		For Blind Flange, Deduct	*-41.12*	

23 21 13 23-1407 Square Head Plugs, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1408	EA	1/4" Square Head Plug, Screwed Carbon Steel	5.83	3.34
23 21 13 23-1409	EA	1/2" Square Head Plug, Screwed Carbon Steel	6.99	3.95
23 21 13 23-1410	EA	3/4" Square Head Plug, Screwed Carbon Steel	8.06	4.54
23 21 13 23-1411	EA	1" Square Head Plug, Screwed Carbon Steel	11.77	6.68
23 21 13 23-1412	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	13.99	6.68
23 21 13 23-1413	EA	2" Square Head Plug, Screwed Carbon Steel	19.69	8.72

23 21 13 23-1414 Hex Head Plugs, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1415	EA	1/4" Hex Head Plug, Screwed Carbon Steel	5.61	3.34
23 21 13 23-1416	EA	1/2" Hex Head Plug, Screwed Carbon Steel	6.78	3.95
23 21 13 23-1417	EA	3/4" Hex Head Plug, Screwed Carbon Steel	7.92	4.54
23 21 13 23-1418	EA	1" Hex Head Plug, Screwed Carbon Steel	11.65	6.68
23 21 13 23-1419	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	13.50	6.68
23 21 13 23-1420	EA	2" Hex Head Plug, Screwed Carbon Steel	20.04	8.72

23 21 13 23-1421 Round Head Plugs, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1422	EA	1/4" Round Head Plug, Screwed Carbon Steel	6.33	3.34
23 21 13 23-1423	EA	1/2" Round Head Plug, Screwed Carbon Steel	7.02	3.95
23 21 13 23-1424	EA	3/4" Round Head Plug, Screwed Carbon Steel	7.96	4.54
23 21 13 23-1425	EA	1" Round Head Plug, Screwed Carbon Steel	11.85	6.68
23 21 13 23-1426	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	14.60	6.68
23 21 13 23-1427	EA	2" Round Head Plug, Screwed Carbon Steel	19.90	8.72

23 21 13 23-1428 Hexagon Bushings, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1429	EA	1/4" Hex Bushing, Screwed Carbon Steel	5.77	3.34
23 21 13 23-1430	EA	1/2" Hex Bushing, Screwed Carbon Steel	6.77	3.95
23 21 13 23-1431	EA	3/4" Hex Bushing, Screwed Carbon Steel	7.87	4.54
23 21 13 23-1432	EA	1" Hex Bushing, Screwed Carbon Steel	11.81	6.68
23 21 13 23-1433	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	13.46	6.68
23 21 13 23-1434	EA	2" Hex Bushing, Screwed Carbon Steel	19.53	8.72

23 21 13 23-1435 90 Degree Street Elbows, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1436	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	35.20	18.16
23 21 13 23-1437	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	40.46	21.26
23 21 13 23-1438	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	46.72	23.77
23 21 13 23-1439	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	53.97	26.51
23 21 13 23-1440	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	81.13	33.92
23 21 13 23-1441	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	107.85	43.12
23 21 13 23-1442	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	52.00	21.26
23 21 13 23-1443	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	70.18	23.77
23 21 13 23-1444	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	93.23	26.51
23 21 13 23-1445	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	189.11	33.92

23 21 13 23-1446 Screwed Carbon Steel Laterals *(23 21 13 23-1242)*

23 21 13 23-1447	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	119.28	26.51
23 21 13 23-1448	EA	3/4" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	142.69	30.70
23 21 13 23-1449	EA	1" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	173.84	36.19
23 21 13 23-1450	EA	1-1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	226.33	51.36
23 21 13 23-1451	EA	2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	282.14	63.78
23 21 13 23-1452	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	146.23	26.51
23 21 13 23-1453	EA	3/4" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	182.77	30.70
23 21 13 23-1454	EA	1" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	216.70	36.19
23 21 13 23-1455	EA	1-1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	305.12	51.36

23 21 13 23-1456 Grooved-Joint Pipe *(23 21 13 23)*

Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.

23 21 13 23-1457 Schedule 10 Black Grooved Pipe *(23 21 13 23-1456)*

23 21 13 23-1458	LF	2" Black Schedule 10 Grooved Pipe	32.30	15.17
		For Work In Restricted Working Space, Add	*6.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1459	LF	2-1/2" Black Schedule 10 Grooved Pipe	43.64	20.79
		For Work In Restricted Working Space, Add	*9.35*	
23 21 13 23-1460	LF	3" Black Schedule 10 Grooved Pipe	48.95	23.05
		For Work In Restricted Working Space, Add	*10.37*	
23 21 13 23-1461	LF	3-1/2" Black Schedule 10 Grooved Pipe	54.29	23.89
		For Work In Restricted Working Space, Add	*10.76*	
23 21 13 23-1462	LF	4" Black Schedule 10 Grooved Pipe	57.71	25.92
		For Work In Restricted Working Space, Add	*11.64*	
23 21 13 23-1463	LF	5" Black Schedule 10 Grooved Pipe	80.76	31.77
		For Work In Restricted Working Space, Add	*14.27*	
23 21 13 23-1464	LF	6" Black Schedule 10 Grooved Pipe	104.77	45.15
		For Work In Restricted Working Space, Add	*20.29*	
23 21 13 23-1465	LF	8" Black Schedule 10 Grooved Pipe	141.46	50.64
		For Work In Restricted Working Space, Add	*22.76*	
23 21 13 23-1466	LF	10" Black Schedule 10 Grooved Pipe	176.97	61.04
		For Work In Restricted Working Space, Add	*27.45*	
23 21 13 23-1467	LF	12" Black Schedule 10 Grooved Pipe	203.96	69.15
		For Work In Restricted Working Space, Add	*31.10*	

23 21 13 23-1468 Schedule 40 Black Grooved Pipe *(23 21 13 23-1456)*

23 21 13 23-1469	LF	3/4" Black Schedule 40 Grooved Pipe	19.38	9.20
		For Work In Restricted Working Space, Add	*4.12*	
23 21 13 23-1470	LF	1" Black Schedule 40 Grooved Pipe	21.89	10.39
		For Work In Restricted Working Space, Add	*4.65*	
23 21 13 23-1471	LF	1-1/4" Black Schedule 40 Grooved Pipe	24.80	11.22
		For Work In Restricted Working Space, Add	*5.05*	
23 21 13 23-1472	LF	1-1/2" Black Schedule 40 Grooved Pipe	28.22	12.78
		For Work In Restricted Working Space, Add	*5.74*	
23 21 13 23-1473	LF	2" Black Schedule 40 Grooved Pipe	35.61	16.25
		For Work In Restricted Working Space, Add	*7.32*	
23 21 13 23-1474	LF	2-1/2" Black Schedule 40 Grooved Pipe	49.53	22.22
		For Work In Restricted Working Space, Add	*10.01*	
23 21 13 23-1475	LF	3" Black Schedule 40 Grooved Pipe	58.31	25.33
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-1476	LF	4" Black Schedule 40 Grooved Pipe	71.10	28.18
		For Work In Restricted Working Space, Add	*12.68*	
23 21 13 23-1477	LF	5" Black Schedule 40 Grooved Pipe	97.18	34.28
		For Work In Restricted Working Space, Add	*15.42*	
23 21 13 23-1478	LF	6" Black Schedule 40 Grooved Pipe	131.23	49.45
		For Work In Restricted Working Space, Add	*22.22*	
23 21 13 23-1479	LF	8" Black Schedule 40 Grooved Pipe	172.77	56.02
		For Work In Restricted Working Space, Add	*25.22*	
23 21 13 23-1480	LF	10" Black Schedule 40 Grooved Pipe	236.56	66.89
		For Work In Restricted Working Space, Add	*30.10*	
23 21 13 23-1481	LF	12" Black Schedule 40 Grooved Pipe	278.34	76.80
		For Work In Restricted Working Space, Add	*34.56*	
23 21 13 23-1482	LF	14" Black Schedule 40 Grooved Pipe	367.77	103.80
		For Work In Restricted Working Space, Add	*46.66*	
23 21 13 23-1483	LF	16" Black Schedule 40 Grooved Pipe	426.89	122.07
		For Work In Restricted Working Space, Add	*54.89*	
23 21 13 23-1484	LF	18" Black Schedule 40 Grooved Pipe	529.45	148.23
		For Work In Restricted Working Space, Add	*66.65*	
23 21 13 23-1485	LF	20" Black Schedule 40 Grooved Pipe	610.83	172.83
		For Work In Restricted Working Space, Add	*77.76*	
23 21 13 23-1486	LF	24" Black Schedule 40 Grooved Pipe	795.71	207.47
		For Work In Restricted Working Space, Add	*93.31*	

23 21 13 23-1487 Schedule 80 Black Grooved Pipe *(23 21 13 23-1456)*

23 21 13 23-1488	LF	3/4" Black Schedule 80 Grooved Pipe	21.23	10.04
		For Work In Restricted Working Space, Add	*4.50*	
23 21 13 23-1489	LF	1" Black Schedule 80 Grooved Pipe	23.50	10.63
		For Work In Restricted Working Space, Add	*4.80*	
23 21 13 23-1490	LF	1-1/4" Black Schedule 80 Grooved Pipe	27.49	11.83
		For Work In Restricted Working Space, Add	*5.33*	
23 21 13 23-1491	LF	1-1/2" Black Schedule 80 Grooved Pipe	31.26	13.26
		For Work In Restricted Working Space, Add	*5.97*	
23 21 13 23-1492	LF	2" Black Schedule 80 Grooved Pipe	40.44	17.08
		For Work In Restricted Working Space, Add	*7.70*	
23 21 13 23-1493	LF	2-1/2" Black Schedule 80 Grooved Pipe	56.86	23.53
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-1494	LF	3" Black Schedule 80 Grooved Pipe	67.56	26.39
		For Work In Restricted Working Space, Add	*11.89*	
23 21 13 23-1495	LF	4" Black Schedule 80 Grooved Pipe	84.20	28.79
		For Work In Restricted Working Space, Add	*12.97*	
23 21 13 23-1496	LF	5" Black Schedule 80 Grooved Pipe	127.43	36.19
		For Work In Restricted Working Space, Add	*16.31*	
23 21 13 23-1497	LF	6" Black Schedule 80 Grooved Pipe	166.61	51.84
		For Work In Restricted Working Space, Add	*23.33*	
23 21 13 23-1498	LF	8" Black Schedule 80 Grooved Pipe	246.50	59.25
		For Work In Restricted Working Space, Add	*26.66*	
23 21 13 23-1499	LF	10" Black Schedule 80 Grooved Pipe	306.45	71.55
		For Work In Restricted Working Space, Add	*32.18*	
23 21 13 23-1500	LF	12" Black Schedule 80 Grooved Pipe	324.49	86.48
		For Work In Restricted Working Space, Add	*38.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1501		**Schedule 40 Galvanized Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1502	LF	3/4" Galvanized Schedule 40 Grooved Pipe	19.29	9.20
		For Work In Restricted Working Space, Add	*4.12*	
23 21 13 23-1503	LF	1" Galvanized Schedule 40 Grooved Pipe	22.29	10.39
		For Work In Restricted Working Space, Add	*4.65*	
23 21 13 23-1504	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	24.76	11.22
		For Work In Restricted Working Space, Add	*5.05*	
23 21 13 23-1505	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	28.18	12.78
		For Work In Restricted Working Space, Add	*5.74*	
23 21 13 23-1506	LF	2" Galvanized Schedule 40 Grooved Pipe	35.69	16.25
		For Work In Restricted Working Space, Add	*7.32*	
23 21 13 23-1507	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	49.83	22.22
		For Work In Restricted Working Space, Add	*10.01*	
23 21 13 23-1508	LF	3" Galvanized Schedule 40 Grooved Pipe	58.89	25.33
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-1509	LF	4" Galvanized Schedule 40 Grooved Pipe	71.88	28.18
		For Work In Restricted Working Space, Add	*12.68*	
23 21 13 23-1510	LF	5" Galvanized Schedule 40 Grooved Pipe	99.61	34.28
		For Work In Restricted Working Space, Add	*15.42*	
23 21 13 23-1511	LF	6" Galvanized Schedule 40 Grooved Pipe	135.12	49.45
		For Work In Restricted Working Space, Add	*22.22*	
23 21 13 23-1512	LF	8" Galvanized Schedule 40 Grooved Pipe	177.01	56.02
		For Work In Restricted Working Space, Add	*25.22*	
23 21 13 23-1513	LF	10" Galvanized Schedule 40 Grooved Pipe	246.39	66.89
		For Work In Restricted Working Space, Add	*30.10*	
23 21 13 23-1514	LF	12" Galvanized Schedule 40 Grooved Pipe	290.46	76.80
		For Work In Restricted Working Space, Add	*34.56*	
23 21 13 23-1515		**Schedule 80 Galvanized Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1516	LF	3/4" Galvanized Schedule 80 Grooved Pipe	20.76	10.04
		For Work In Restricted Working Space, Add	*4.50*	
23 21 13 23-1517	LF	1" Galvanized Schedule 80 Grooved Pipe	26.44	10.63
		For Work In Restricted Working Space, Add	*4.80*	
23 21 13 23-1518	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	27.02	11.83
		For Work In Restricted Working Space, Add	*5.33*	
23 21 13 23-1519	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	34.99	14.09
		For Work In Restricted Working Space, Add	*6.37*	
23 21 13 23-1520	LF	2" Galvanized Schedule 80 Grooved Pipe	39.86	17.08
		For Work In Restricted Working Space, Add	*7.70*	
23 21 13 23-1521	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	56.23	23.53
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-1522	LF	3" Galvanized Schedule 80 Grooved Pipe	67.15	26.39
		For Work In Restricted Working Space, Add	*11.89*	
23 21 13 23-1523	LF	4" Galvanized Schedule 80 Grooved Pipe	83.38	28.79
		For Work In Restricted Working Space, Add	*12.97*	
23 21 13 23-1524	LF	5" Galvanized Schedule 80 Grooved Pipe	123.70	36.19
		For Work In Restricted Working Space, Add	*16.31*	
23 21 13 23-1525	LF	6" Galvanized Schedule 80 Grooved Pipe	161.60	51.84
		For Work In Restricted Working Space, Add	*23.33*	
23 21 13 23-1526	LF	8" Galvanized Schedule 80 Grooved Pipe	236.88	59.25
		For Work In Restricted Working Space, Add	*26.66*	
23 21 13 23-1527	LF	10" Galvanized Schedule 80 Grooved Pipe	282.18	71.55
		For Work In Restricted Working Space, Add	*32.18*	
23 21 13 23-1528	LF	12" Galvanized Schedule 80 Grooved Pipe	311.76	86.48
		For Work In Restricted Working Space, Add	*38.88*	
23 21 13 23-1529		**Painted Grooved-Joint Pipe Fittings** *(23 21 13 23)*		
		Note: Couplings are not included with fittings.		
23 21 13 23-1530		**Grooved Elbows** *(23 21 13 23-1529)*		
23 21 13 23-1531		**90 Degree Grooved Elbows** *(23 21 13 23-1530)*		
		Note: Victaulic No. 10		
23 21 13 23-1532	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	79.62	13.02
		For Work In Restricted Working Space, Add	*5.86*	
		For Galvanized Fittings, Add	*19.83*	
23 21 13 23-1533	EA	1", Ductile Iron, Grooved 90 Degree Elbow	79.62	13.02
		For Work In Restricted Working Space, Add	*5.86*	
		For Galvanized Fittings, Add	*19.83*	
23 21 13 23-1534	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	84.50	16.25
		For Work In Restricted Working Space, Add	*7.32*	
		For Galvanized Fittings, Add	*19.83*	
23 21 13 23-1535	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	89.67	19.71
		For Work In Restricted Working Space, Add	*8.87*	
		For Galvanized Fittings, Add	*19.83*	
23 21 13 23-1536	EA	2", Ductile Iron, Grooved 90 Degree Elbow	99.14	26.04
		For Work In Restricted Working Space, Add	*11.71*	
		For Galvanized Fittings, Add	*19.83*	
23 21 13 23-1537	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	107.65	31.77
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*19.83*	
23 21 13 23-1538	EA	3", Ductile Iron, Grooved 90 Degree Elbow	164.41	38.46
		For Work In Restricted Working Space, Add	*17.29*	
		For Galvanized Fittings, Add	*35.23*	
23 21 13 23-1539	EA	4", Ductile Iron, Grooved 90 Degree Elbow	192.37	50.76
		For Work In Restricted Working Space, Add	*22.82*	
		For Galvanized Fittings, Add	*38.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1540	EA	5", Ductile Iron, Grooved 90 Degree Elbow	378.16	63.42
		For Work In Restricted Working Space, Add	*28.53*	
		For Galvanized Fittings, Add	*93.41*	
23 21 13 23-1541	EA	6", Ductile Iron, Grooved 90 Degree Elbow	453.39	83.01
		For Work In Restricted Working Space, Add	*37.32*	
		For Galvanized Fittings, Add	*108.56*	
23 21 13 23-1542	EA	8", Ductile Iron, Grooved 90 Degree Elbow	840.50	98.78
		For Work In Restricted Working Space, Add	*44.44*	
		For Galvanized Fittings, Add	*228.49*	
23 21 13 23-1543	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,251.54	115.26
		For Work In Restricted Working Space, Add	*51.84*	
		For Galvanized Fittings, Add	*355.98*	
23 21 13 23-1544	EA	12", Ductile Iron, Grooved 90 Degree Elbow	1,936.41	138.31
		For Work In Restricted Working Space, Add	*62.21*	
		For Galvanized Fittings, Add	*570.58*	
23 21 13 23-1545	EA	14", Steel, Grooved 90 Degree Elbow	3,829.91	156.11
		For Work In Restricted Working Space, Add	*70.23*	
		For Galvanized Fittings, Add	*1,186.61*	
23 21 13 23-1546	EA	16", Steel, Grooved 90 Degree Elbow	4,964.32	172.83
		For Work In Restricted Working Space, Add	*77.75*	
		For Galvanized Fittings, Add	*1,552.70*	
23 21 13 23-1547	EA	18", Steel, Grooved 90 Degree Elbow	6,250.55	188.83
		For Work In Restricted Working Space, Add	*84.92*	
		For Galvanized Fittings, Add	*1,969.27*	
23 21 13 23-1548	EA	20", Steel, Grooved 90 Degree Elbow	8,136.38	196.36
		For Work In Restricted Working Space, Add	*88.34*	
		For Galvanized Fittings, Add	*2,587.83*	
23 21 13 23-1549	EA	24", Steel, Grooved 90 Degree Elbow	11,632.70	232.20
		For Work In Restricted Working Space, Add	*104.41*	
		For Galvanized Fittings, Add	*3,723.94*	

23 21 13 23-1550 45 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 11

23 21 13 23-1551	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	79.58	13.02
		For Work In Restricted Working Space, Add	*5.86*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1552	EA	1", Ductile Iron, Grooved 45 Degree Elbow	79.58	13.02
		For Work In Restricted Working Space, Add	*5.86*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1553	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	84.46	16.25
		For Work In Restricted Working Space, Add	*7.32*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1554	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	89.63	19.71
		For Work In Restricted Working Space, Add	*8.87*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1555	EA	2", Ductile Iron, Grooved 45 Degree Elbow	99.10	26.04
		For Work In Restricted Working Space, Add	*11.71*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1556	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	107.61	31.77
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1557	EA	3", Ductile Iron, Grooved 45 Degree Elbow	164.37	38.46
		For Work In Restricted Working Space, Add	*17.29*	
		For Galvanized Fittings, Add	*25.62*	
23 21 13 23-1558	EA	4", Ductile Iron, Grooved 45 Degree Elbow	192.37	50.76
		For Work In Restricted Working Space, Add	*22.82*	
		For Galvanized Fittings, Add	*27.91*	
23 21 13 23-1559	EA	5", Ductile Iron, Grooved 45 Degree Elbow	378.16	63.42
		For Work In Restricted Working Space, Add	*28.53*	
		For Galvanized Fittings, Add	*67.94*	
23 21 13 23-1560	EA	6", Ductile Iron, Grooved 45 Degree Elbow	453.39	83.01
		For Work In Restricted Working Space, Add	*37.32*	
		For Galvanized Fittings, Add	*78.96*	
23 21 13 23-1561	EA	8", Ductile Iron, Grooved 45 Degree Elbow	840.50	98.78
		For Work In Restricted Working Space, Add	*44.44*	
		For Galvanized Fittings, Add	*166.17*	
23 21 13 23-1562	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,251.54	115.26
		For Work In Restricted Working Space, Add	*51.84*	
		For Galvanized Fittings, Add	*258.90*	
23 21 13 23-1563	EA	12", Ductile Iron, Grooved 45 Degree Elbow	1,936.41	138.31
		For Work In Restricted Working Space, Add	*62.21*	
		For Galvanized Fittings, Add	*414.97*	
23 21 13 23-1564	EA	14", Steel, Grooved 45 Degree Elbow	3,829.91	156.11
		For Work In Restricted Working Space, Add	*70.23*	
		For Galvanized Fittings, Add	*862.99*	
23 21 13 23-1565	EA	16", Steel, Grooved 45 Degree Elbow	4,964.32	172.83
		For Work In Restricted Working Space, Add	*77.75*	
		For Galvanized Fittings, Add	*1,129.23*	
23 21 13 23-1566	EA	18", Steel, Grooved 45 Degree Elbow	6,250.55	188.83
		For Work In Restricted Working Space, Add	*84.92*	
		For Galvanized Fittings, Add	*1,432.20*	
23 21 13 23-1567	EA	20", Steel, Grooved 45 Degree Elbow	8,136.91	196.72
		For Work In Restricted Working Space, Add	*88.50*	
		For Galvanized Fittings, Add	*1,882.06*	
23 21 13 23-1568	EA	24", Steel, Grooved 45 Degree Elbow	11,632.70	232.20
		For Work In Restricted Working Space, Add	*104.41*	
		For Galvanized Fittings, Add	*2,708.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1569		22-1/2 Degree Grooved Elbows *(23 21 13 23-1530)* Note: Victaulic No. 12		
23 21 13 23-1570	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	83.53	13.02
		For Work In Restricted Working Space, Add	*5.86*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1571	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	88.41	16.25
		For Work In Restricted Working Space, Add	*7.32*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1572	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	93.58	19.71
		For Work In Restricted Working Space, Add	*8.87*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1573	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	103.05	26.04
		For Work In Restricted Working Space, Add	*11.71*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1574	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	111.56	31.77
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1575	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	151.27	38.46
		For Work In Restricted Working Space, Add	*17.29*	
		For Galvanized Fittings, Add	*22.47*	
23 21 13 23-1576	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	201.62	50.76
		For Work In Restricted Working Space, Add	*22.82*	
		For Galvanized Fittings, Add	*30.13*	
23 21 13 23-1577	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	484.41	63.42
		For Work In Restricted Working Space, Add	*28.53*	
		For Galvanized Fittings, Add	*93.44*	
23 21 13 23-1578	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	480.06	83.01
		For Work In Restricted Working Space, Add	*37.32*	
		For Galvanized Fittings, Add	*85.36*	
23 21 13 23-1579	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	892.26	98.78
		For Work In Restricted Working Space, Add	*44.44*	
		For Galvanized Fittings, Add	*178.59*	
23 21 13 23-1580	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,194.42	115.26
		For Work In Restricted Working Space, Add	*51.84*	
		For Galvanized Fittings, Add	*245.19*	
23 21 13 23-1581	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,588.51	138.31
		For Work In Restricted Working Space, Add	*62.21*	
		For Galvanized Fittings, Add	*331.47*	
23 21 13 23-1582	EA	14", Steel, Grooved 22-1/2 Degree Elbow	1,829.36	156.11
		For Work In Restricted Working Space, Add	*70.23*	
		For Galvanized Fittings, Add	*382.86*	
23 21 13 23-1583	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,172.46	172.83
		For Work In Restricted Working Space, Add	*77.75*	
		For Galvanized Fittings, Add	*459.19*	
23 21 13 23-1584	EA	18", Steel, Grooved 22-1/2 Degree Elbow	2,600.19	188.83
		For Work In Restricted Working Space, Add	*84.92*	
		For Galvanized Fittings, Add	*556.11*	
23 21 13 23-1585	EA	20", Steel, Grooved 22-1/2 Degree Elbow	3,033.94	196.36
		For Work In Restricted Working Space, Add	*88.34*	
		For Galvanized Fittings, Add	*657.47*	
23 21 13 23-1586	EA	24", Steel, Grooved 22-1/2 Degree Elbow	4,029.27	232.20
		For Work In Restricted Working Space, Add	*104.41*	
		For Galvanized Fittings, Add	*883.50*	
23 21 13 23-1587		11-1/4 Degree Grooved Elbows *(23 21 13 23-1530)* Note: Victaulic No. 13		
23 21 13 23-1588	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow	83.53	13.02
		For Work In Restricted Working Space, Add	*5.86*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1589	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	88.41	16.25
		For Work In Restricted Working Space, Add	*7.32*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1590	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	93.58	19.71
		For Work In Restricted Working Space, Add	*8.87*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1591	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow	103.05	26.04
		For Work In Restricted Working Space, Add	*11.71*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1592	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	111.56	31.77
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1593	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow	151.26	38.46
		For Work In Restricted Working Space, Add	*17.29*	
		For Galvanized Fittings, Add	*22.47*	
23 21 13 23-1594	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow	201.61	50.76
		For Work In Restricted Working Space, Add	*22.82*	
		For Galvanized Fittings, Add	*30.13*	
23 21 13 23-1595	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow	484.39	63.42
		For Work In Restricted Working Space, Add	*28.53*	
		For Galvanized Fittings, Add	*93.43*	
23 21 13 23-1596	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow	480.05	83.01
		For Work In Restricted Working Space, Add	*37.32*	
		For Galvanized Fittings, Add	*85.35*	
23 21 13 23-1597	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow	892.22	98.78
		For Work In Restricted Working Space, Add	*44.44*	
		For Galvanized Fittings, Add	*178.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1598	EA	10", Steel, Grooved 11-1/4 Degree Elbow	1,194.36	115.26
		For Work In Restricted Working Space, Add	*51.84*	
		For Galvanized Fittings, Add	*245.17*	
23 21 13 23-1599	EA	12", Steel, Grooved 11-1/4 Degree Elbow	1,588.43	138.31
		For Work In Restricted Working Space, Add	*62.21*	
		For Galvanized Fittings, Add	*331.45*	
23 21 13 23-1600	EA	14", Steel, Grooved 11-1/4 Degree Elbow	1,829.27	156.11
		For Work In Restricted Working Space, Add	*70.24*	
		For Galvanized Fittings, Add	*382.84*	
23 21 13 23-1601	EA	16", Steel, Grooved 11-1/4 Degree Elbow	2,172.40	172.95
		For Work In Restricted Working Space, Add	*77.77*	
		For Galvanized Fittings, Add	*459.16*	
23 21 13 23-1602	EA	18", Steel, Grooved 11-1/4 Degree Elbow	2,600.04	188.83
		For Work In Restricted Working Space, Add	*84.91*	
		For Galvanized Fittings, Add	*556.08*	
23 21 13 23-1603	EA	20", Steel, Grooved 11-1/4 Degree Elbow	3,033.79	196.36
		For Work In Restricted Working Space, Add	*88.34*	
		For Galvanized Fittings, Add	*657.43*	
23 21 13 23-1604	EA	24", Steel, Grooved 11-1/4 Degree Elbow	4,029.07	232.20
		For Work In Restricted Working Space, Add	*104.41*	
		For Galvanized Fittings, Add	*883.45*	

23 21 13 23-1605 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 100

23 21 13 23-1606	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	176.44	26.04
		For Work In Restricted Working Space, Add	*11.71*	
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-1607	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	446.24	31.77
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*95.69*	
23 21 13 23-1608	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	195.04	38.46
		For Work In Restricted Working Space, Add	*17.29*	
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-1609	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	281.91	50.76
		For Work In Restricted Working Space, Add	*22.82*	
		For Galvanized Fittings, Add	*49.40*	
23 21 13 23-1610	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,150.07	63.42
		For Work In Restricted Working Space, Add	*28.53*	
		For Galvanized Fittings, Add	*253.20*	
23 21 13 23-1611	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	726.53	83.01
		For Work In Restricted Working Space, Add	*37.32*	
		For Galvanized Fittings, Add	*144.51*	
23 21 13 23-1612	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,592.41	98.78
		For Work In Restricted Working Space, Add	*44.44*	
		For Galvanized Fittings, Add	*346.63*	
23 21 13 23-1613	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,167.41	115.26
		For Work In Restricted Working Space, Add	*51.84*	
		For Galvanized Fittings, Add	*718.71*	
23 21 13 23-1614	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,778.45	138.31
		For Work In Restricted Working Space, Add	*62.21*	
		For Galvanized Fittings, Add	*857.06*	

23 21 13 23-1615 Grooved Tees, Wyes And Crosses *(23 21 13 23-1529)*

23 21 13 23-1616 Grooved Tees *(23 21 13 23-1615)*

Note: Victaulic No. 20

23 21 13 23-1617	EA	3/4", Ductile Iron, Grooved Tee	117.52	17.08
		For Work In Restricted Working Space, Add	*7.70*	
		For Galvanized Fittings, Add	*27.55*	
23 21 13 23-1618	EA	1", Ductile Iron, Grooved Tee	121.41	19.71
		For Work In Restricted Working Space, Add	*8.87*	
		For Galvanized Fittings, Add	*27.55*	
23 21 13 23-1619	EA	1-1/4", Ductile Iron, Grooved Tee	127.99	24.13
		For Work In Restricted Working Space, Add	*10.85*	
		For Galvanized Fittings, Add	*27.55*	
23 21 13 23-1620	EA	1-1/2", Ductile Iron, Grooved Tee	136.20	29.62
		For Work In Restricted Working Space, Add	*13.31*	
		For Galvanized Fittings, Add	*27.55*	
23 21 13 23-1621	EA	2", Ductile Iron, Grooved Tee	149.25	38.34
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*27.55*	
23 21 13 23-1622	EA	2-1/2", Ductile Iron, Grooved Tee	162.28	46.94
		For Work In Restricted Working Space, Add	*21.13*	
		For Galvanized Fittings, Add	*27.55*	
23 21 13 23-1623	EA	3", Ductile Iron, Grooved Tee	215.10	57.69
		For Work In Restricted Working Space, Add	*25.94*	
		For Galvanized Fittings, Add	*38.60*	
23 21 13 23-1624	EA	4", Ductile Iron, Grooved Tee	309.22	74.65
		For Work In Restricted Working Space, Add	*33.56*	
		For Galvanized Fittings, Add	*59.20*	
23 21 13 23-1625	EA	5", Ductile Iron, Grooved Tee	609.30	97.59
		For Work In Restricted Working Space, Add	*43.89*	
		For Galvanized Fittings, Add	*138.90*	
23 21 13 23-1626	EA	6", Ductile Iron, Grooved Tee	718.06	122.07
		For Work In Restricted Working Space, Add	*54.89*	
		For Galvanized Fittings, Add	*160.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1627	EA	8", Ductile Iron, Grooved Tee	1,391.02	148.23
		For Work In Restricted Working Space, Add	*66.65*	
		For Galvanized Fittings, Add	*350.66*	
23 21 13 23-1628	EA	10", Ductile Iron, Grooved Tee	2,346.43	172.83
		For Work In Restricted Working Space, Add	*77.76*	
		For Galvanized Fittings, Add	*626.17*	
23 21 13 23-1629	EA	12", Ductile Iron, Grooved Tee	3,233.16	207.47
		For Work In Restricted Working Space, Add	*93.31*	
		For Galvanized Fittings, Add	*876.64*	
23 21 13 23-1630	EA	14", Steel, Grooved Tee	3,533.38	230.52
		For Work In Restricted Working Space, Add	*103.68*	
		For Galvanized Fittings, Add	*956.33*	
23 21 13 23-1631	EA	16", Steel, Grooved Tee	4,408.18	231.83
		For Work In Restricted Working Space, Add	*104.27*	
		For Galvanized Fittings, Add	*1,218.18*	
23 21 13 23-1632	EA	18", Steel, Grooved Tee	5,468.62	255.72
		For Work In Restricted Working Space, Add	*115.01*	
		For Galvanized Fittings, Add	*1,525.58*	
23 21 13 23-1633	EA	20", Steel, Grooved Tee	7,675.74	259.79
		For Work In Restricted Working Space, Add	*116.82*	
		For Galvanized Fittings, Add	*2,185.90*	
23 21 13 23-1634	EA	24", Steel, Grooved Tee	11,673.68	319.15
		For Work In Restricted Working Space, Add	*143.56*	
		For Galvanized Fittings, Add	*3,358.55*	

23 21 13 23-1635 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1615)*

Note: Victaulic No. 33

23 21 13 23-1636	EA	1", Steel, Grooved Wye	417.06	19.71
		For Work In Restricted Working Space, Add	*8.87*	
		For Galvanized Fittings, Add	*62.00*	
23 21 13 23-1637	EA	1-1/4", Steel, Grooved Wye	423.64	24.13
		For Work In Restricted Working Space, Add	*10.85*	
		For Galvanized Fittings, Add	*62.00*	
23 21 13 23-1638	EA	1-1/2", Steel, Grooved Wye	431.85	29.62
		For Work In Restricted Working Space, Add	*13.31*	
		For Galvanized Fittings, Add	*62.00*	
23 21 13 23-1639	EA	2", Steel, Grooved Wye	444.90	38.34
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*62.00*	
23 21 13 23-1640	EA	2-1/2", Steel, Grooved Wye	457.93	46.94
		For Work In Restricted Working Space, Add	*21.13*	
		For Galvanized Fittings, Add	*62.00*	
23 21 13 23-1641	EA	3", Steel, Grooved Wye	549.64	57.69
		For Work In Restricted Working Space, Add	*25.94*	
		For Galvanized Fittings, Add	*74.11*	
23 21 13 23-1642	EA	4", Steel, Grooved Wye	718.57	74.65
		For Work In Restricted Working Space, Add	*33.56*	
		For Galvanized Fittings, Add	*97.07*	
23 21 13 23-1643	EA	5", Steel, Grooved Wye	1,015.91	97.59
		For Work In Restricted Working Space, Add	*43.89*	
		For Galvanized Fittings, Add	*139.14*	
23 21 13 23-1644	EA	6", Steel, Grooved Wye	1,258.92	122.07
		For Work In Restricted Working Space, Add	*54.89*	
		For Galvanized Fittings, Add	*172.15*	
23 21 13 23-1645	EA	8", Steel, Grooved Wye	1,771.83	148.23
		For Work In Restricted Working Space, Add	*66.65*	
		For Galvanized Fittings, Add	*247.95*	
23 21 13 23-1646	EA	10", Steel, Grooved Wye	2,933.89	172.83
		For Work In Restricted Working Space, Add	*77.76*	
		For Galvanized Fittings, Add	*427.95*	
23 21 13 23-1647	EA	12", Steel, Grooved Wye	3,265.95	207.47
		For Work In Restricted Working Space, Add	*93.31*	
		For Galvanized Fittings, Add	*472.79*	
23 21 13 23-1648	EA	14", Steel, Grooved Wye	3,719.79	230.52
		For Work In Restricted Working Space, Add	*103.68*	
		For Galvanized Fittings, Add	*539.87*	
23 21 13 23-1649	EA	16", Steel, Grooved Wye	4,729.84	231.59
		For Work In Restricted Working Space, Add	*104.16*	
		For Galvanized Fittings, Add	*701.22*	
23 21 13 23-1650	EA	18", Steel, Grooved Wye	5,397.01	255.96
		For Work In Restricted Working Space, Add	*115.14*	
		For Galvanized Fittings, Add	*802.11*	
23 21 13 23-1651	EA	20", Steel, Grooved Wye	7,659.65	259.30
		For Work In Restricted Working Space, Add	*116.64*	
		For Galvanized Fittings, Add	*1,163.34*	
23 21 13 23-1652	EA	24", Steel, Grooved Wye	11,782.67	319.15
		For Work In Restricted Working Space, Add	*143.56*	
		For Galvanized Fittings, Add	*1,808.66*	

23 21 13 23-1653 Grooved Crosses *(23 21 13 23-1615)*

Note: Victaulic No. 35

23 21 13 23-1654	EA	3/4", Steel, Grooved Cross	289.39	25.68
		For Work In Restricted Working Space, Add	*11.56*	
		For Galvanized Fittings, Add	*37.63*	
23 21 13 23-1655	EA	1", Steel, Grooved Cross	295.23	29.62
		For Work In Restricted Working Space, Add	*13.31*	
		For Galvanized Fittings, Add	*37.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1656	EA	1-1/4", Steel, Grooved Cross	357.00	36.19
		For Work In Restricted Working Space, Add	*16.26*	
		For Galvanized Fittings, Add	*45.42*	
23 21 13 23-1657	EA	1-1/2", Steel, Grooved Cross	392.80	44.43
		For Work In Restricted Working Space, Add	*19.96*	
		For Galvanized Fittings, Add	*48.94*	
23 21 13 23-1658	EA	2", Steel, Grooved Cross	270.48	57.46
		For Work In Restricted Working Space, Add	*25.83*	
		For Galvanized Fittings, Add	*27.66*	
23 21 13 23-1659	EA	2-1/2", Steel, Grooved Cross	290.04	70.47
		For Work In Restricted Working Space, Add	*31.70*	
		For Galvanized Fittings, Add	*27.66*	
23 21 13 23-1660	EA	3", Steel, Grooved Cross	461.01	86.48
		For Work In Restricted Working Space, Add	*38.90*	
		For Galvanized Fittings, Add	*49.70*	
23 21 13 23-1661	EA	4", Steel, Grooved Cross	719.36	111.91
		For Work In Restricted Working Space, Add	*50.35*	
		For Galvanized Fittings, Add	*82.73*	
23 21 13 23-1662	EA	5", Steel, Grooved Cross	1,346.19	146.32
		For Work In Restricted Working Space, Add	*65.83*	
		For Galvanized Fittings, Add	*169.01*	
23 21 13 23-1663	EA	6", Steel, Grooved Cross	1,724.13	183.11
		For Work In Restricted Working Space, Add	*82.34*	
		For Galvanized Fittings, Add	*217.45*	
23 21 13 23-1664	EA	8", Steel, Grooved Cross	2,242.48	222.28
		For Work In Restricted Working Space, Add	*99.98*	
		For Galvanized Fittings, Add	*286.38*	
23 21 13 23-1665	EA	10", Steel, Grooved Cross	3,645.08	259.30
		For Work In Restricted Working Space, Add	*116.64*	
		For Galvanized Fittings, Add	*488.44*	
23 21 13 23-1666	EA	12", Steel, Grooved Cross	5,165.65	311.26
		For Work In Restricted Working Space, Add	*139.97*	
		For Galvanized Fittings, Add	*704.86*	
23 21 13 23-1667	EA	14", Steel, Grooved Cross	5,386.89	345.78
		For Work In Restricted Working Space, Add	*155.52*	
		For Galvanized Fittings, Add	*730.27*	
23 21 13 23-1668	EA	16", Steel, Grooved Cross	6,890.16	347.81
		For Work In Restricted Working Space, Add	*156.42*	
		For Galvanized Fittings, Add	*955.31*	
23 21 13 23-1669	EA	18", Steel, Grooved Cross	8,381.61	383.53
		For Work In Restricted Working Space, Add	*172.50*	
		For Galvanized Fittings, Add	*1,170.99*	
23 21 13 23-1670	EA	20", Steel, Grooved Cross	11,643.75	389.50
		For Work In Restricted Working Space, Add	*175.20*	
		For Galvanized Fittings, Add	*1,658.96*	
23 21 13 23-1671	EA	24", Steel, Grooved Cross	17,791.59	478.72
		For Work In Restricted Working Space, Add	*215.34*	
		For Galvanized Fittings, Add	*2,561.07*	

23 21 13 23-1672 Grooved Reducing Tees *(23 21 13 23-1615)*

Note: Victaulic No. 25

23 21 13 23-1673	EA	1", Steel, Grooved Reducing Tee	206.77	19.71
		For Work In Restricted Working Space, Add	*8.87*	
		For Galvanized Fittings, Add	*35.44*	
23 21 13 23-1674	EA	1-1/4", Steel, Grooved Reducing Tee	218.92	24.13
		For Work In Restricted Working Space, Add	*10.85*	
		For Galvanized Fittings, Add	*36.55*	
23 21 13 23-1675	EA	1-1/2", Steel, Grooved Reducing Tee	231.68	29.62
		For Work In Restricted Working Space, Add	*13.31*	
		For Galvanized Fittings, Add	*37.46*	
23 21 13 23-1676	EA	2", Steel, Grooved Reducing Tee	276.71	38.34
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*43.86*	
23 21 13 23-1677	EA	2-1/2", Steel, Grooved Reducing Tee	312.30	46.94
		For Work In Restricted Working Space, Add	*21.13*	
		For Galvanized Fittings, Add	*48.37*	
23 21 13 23-1678	EA	3", Steel, Grooved Reducing Tee	351.19	57.69
		For Work In Restricted Working Space, Add	*25.94*	
		For Galvanized Fittings, Add	*52.95*	
23 21 13 23-1679	EA	4", Steel, Grooved Reducing Tee	468.91	74.65
		For Work In Restricted Working Space, Add	*33.56*	
		For Galvanized Fittings, Add	*71.41*	
23 21 13 23-1680	EA	5", Steel, Grooved Reducing Tee	617.74	97.59
		For Work In Restricted Working Space, Add	*43.89*	
		For Galvanized Fittings, Add	*94.29*	
23 21 13 23-1681	EA	6", Steel, Grooved Reducing Tee	846.16	122.07
		For Work In Restricted Working Space, Add	*54.89*	
		For Galvanized Fittings, Add	*132.64*	
23 21 13 23-1682	EA	8", Steel, Grooved Reducing Tee	1,316.44	148.23
		For Work In Restricted Working Space, Add	*66.65*	
		For Galvanized Fittings, Add	*218.85*	
23 21 13 23-1683	EA	10", Steel, Grooved Reducing Tee	1,872.37	172.83
		For Work In Restricted Working Space, Add	*77.76*	
		For Galvanized Fittings, Add	*322.63*	
23 21 13 23-1684	EA	12", Steel, Grooved Reducing Tee	2,690.74	207.47
		For Work In Restricted Working Space, Add	*93.31*	
		For Galvanized Fittings, Add	*475.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1685	EA	14", Steel, Grooved Reducing Tee	3,048.43	230.52
		For Work In Restricted Working Space, Add	*103.68*	
		For Galvanized Fittings, Add	*540.56*	
23 21 13 23-1686	EA	16", Steel, Grooved Reducing Tee	3,858.51	231.83
		For Work In Restricted Working Space, Add	*104.28*	
		For Galvanized Fittings, Add	*702.18*	
23 21 13 23-1687	EA	18", Steel, Grooved Reducing Tee	4,681.54	255.72
		For Work In Restricted Working Space, Add	*114.99*	
		For Galvanized Fittings, Add	*859.65*	
23 21 13 23-1688	EA	20", Steel, Grooved Reducing Tee	6,536.55	259.67
		For Work In Restricted Working Space, Add	*116.79*	
		For Galvanized Fittings, Add	*1,229.45*	
23 21 13 23-1689	EA	24", Steel, Grooved Reducing Tee	10,380.45	319.15
		For Work In Restricted Working Space, Add	*143.56*	
		For Galvanized Fittings, Add	*1,980.38*	

23 21 13 23-1690 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1615)*

Note: Victaulic No. 30

23 21 13 23-1691	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	392.64	17.08
		For Work In Restricted Working Space, Add	*7.70*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1692	EA	1", Steel, Grooved, 45 Degree Lateral Wye	396.53	19.71
		For Work In Restricted Working Space, Add	*8.87*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1693	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	403.11	24.13
		For Work In Restricted Working Space, Add	*10.85*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1694	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	411.32	29.62
		For Work In Restricted Working Space, Add	*13.31*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1695	EA	2", Steel, Grooved, 45 Degree Lateral Wye	424.37	38.34
		For Work In Restricted Working Space, Add	*17.22*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1696	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye	437.40	46.94
		For Work In Restricted Working Space, Add	*21.13*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1697	EA	3", Steel, Grooved, 45 Degree Lateral Wye	403.47	57.69
		For Work In Restricted Working Space, Add	*25.94*	
		For Galvanized Fittings, Add	*57.06*	
23 21 13 23-1698	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye	636.77	66.52
		For Work In Restricted Working Space, Add	*29.90*	
		For Galvanized Fittings, Add	*96.68*	
23 21 13 23-1699	EA	4", Steel, Grooved, 45 Degree Lateral Wye	737.09	74.65
		For Work In Restricted Working Space, Add	*33.56*	
		For Galvanized Fittings, Add	*112.54*	
23 21 13 23-1700	EA	5", Steel, Grooved, 45 Degree Lateral Wye	1,060.03	97.59
		For Work In Restricted Working Space, Add	*43.89*	
		For Galvanized Fittings, Add	*164.47*	
23 21 13 23-1701	EA	6", Steel, Grooved, 45 Degree Lateral Wye	1,655.12	122.07
		For Work In Restricted Working Space, Add	*54.89*	
		For Galvanized Fittings, Add	*264.99*	
23 21 13 23-1702	EA	8", Steel, Grooved, 45 Degree Lateral Wye	2,342.61	148.23
		For Work In Restricted Working Space, Add	*66.65*	
		For Galvanized Fittings, Add	*381.68*	
23 21 13 23-1703	EA	10", Steel, Grooved, 45 Degree Lateral Wye	3,252.16	172.83
		For Work In Restricted Working Space, Add	*77.76*	
		For Galvanized Fittings, Add	*538.73*	
23 21 13 23-1704	EA	12", Steel, Grooved, 45 Degree Lateral Wye	3,929.66	207.47
		For Work In Restricted Working Space, Add	*93.31*	
		For Galvanized Fittings, Add	*651.35*	
23 21 13 23-1705	EA	14", Steel, Grooved, 45 Degree Lateral Wye	5,627.22	230.52
		For Work In Restricted Working Space, Add	*103.68*	
		For Galvanized Fittings, Add	*950.69*	
23 21 13 23-1706	EA	16", Steel, Grooved, 45 Degree Lateral Wye	6,945.76	231.83
		For Work In Restricted Working Space, Add	*104.28*	
		For Galvanized Fittings, Add	*1,187.67*	
23 21 13 23-1707	EA	18", Steel, Grooved, 45 Degree Lateral Wye	7,759.25	255.72
		For Work In Restricted Working Space, Add	*114.99*	
		For Galvanized Fittings, Add	*1,327.67*	
23 21 13 23-1708	EA	20", Steel, Grooved, 45 Degree Lateral Wye	11,577.38	259.67
		For Work In Restricted Working Space, Add	*116.79*	
		For Galvanized Fittings, Add	*2,013.85*	
23 21 13 23-1709	EA	24", Steel, Grooved, 45 Degree Lateral Wye	17,863.95	319.15
		For Work In Restricted Working Space, Add	*143.56*	
		For Galvanized Fittings, Add	*3,129.38*	

23 21 13 23-1710 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1615)*

Note: Victaulic No. 30R

23 21 13 23-1711	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye	403.47	57.69
		For Work In Restricted Working Space, Add	*25.94*	
		For Galvanized Fittings, Add	*41.21*	
23 21 13 23-1712	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye	737.09	74.65
		For Work In Restricted Working Space, Add	*33.56*	
		For Galvanized Fittings, Add	*81.28*	
23 21 13 23-1713	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye	1,060.03	97.59
		For Work In Restricted Working Space, Add	*43.89*	
		For Galvanized Fittings, Add	*118.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1714	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye	1,363.49	122.07
		For Work In Restricted Working Space, Add	*54.89*	
		For Galvanized Fittings, Add	*153.47*	
23 21 13 23-1715	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye	1,926.36	148.23
		For Work In Restricted Working Space, Add	*66.65*	
		For Galvanized Fittings, Add	*221.54*	
23 21 13 23-1716	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye	2,346.35	172.83
		For Work In Restricted Working Space, Add	*77.76*	
		For Galvanized Fittings, Add	*271.33*	
23 21 13 23-1717	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye	2,847.44	207.47
		For Work In Restricted Working Space, Add	*93.31*	
		For Galvanized Fittings, Add	*329.73*	
23 21 13 23-1718	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye	3,187.02	230.52
		For Work In Restricted Working Space, Add	*103.68*	
		For Galvanized Fittings, Add	*369.38*	
23 21 13 23-1719	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye	4,020.39	231.83
		For Work In Restricted Working Space, Add	*104.28*	
		For Galvanized Fittings, Add	*477.46*	
23 21 13 23-1720	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye	6,022.87	255.72
		For Work In Restricted Working Space, Add	*114.99*	
		For Galvanized Fittings, Add	*733.14*	
23 21 13 23-1721	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye	8,644.15	259.67
		For Work In Restricted Working Space, Add	*116.79*	
		For Galvanized Fittings, Add	*1,073.13*	
23 21 13 23-1722	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye	13,843.42	319.15
		For Work In Restricted Working Space, Add	*143.56*	
		For Galvanized Fittings, Add	*1,737.44*	

23 21 13 23-1723 Mechanical-T Outlet *(23 21 13 23-1615)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1724	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	147.03	43.00
		For Work In Restricted Working Space, Add	*25.80*	
		For Galvanized Fittings, Add	*15.14*	
23 21 13 23-1725	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	147.03	43.00
		For Work In Restricted Working Space, Add	*25.80*	
		For Galvanized Fittings, Add	*15.14*	
23 21 13 23-1726	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	156.55	43.00
		For Work In Restricted Working Space, Add	*25.80*	
		For Galvanized Fittings, Add	*17.50*	
23 21 13 23-1727	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	156.55	43.00
		For Work In Restricted Working Space, Add	*25.80*	
23 21 13 23-1728	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	157.77	48.38
		For Work In Restricted Working Space, Add	*29.02*	
23 21 13 23-1729	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	157.77	48.38
		For Work In Restricted Working Space, Add	*29.02*	
23 21 13 23-1730	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	182.92	48.38
		For Work In Restricted Working Space, Add	*29.02*	
23 21 13 23-1731	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	177.76	53.75
		For Work In Restricted Working Space, Add	*32.25*	
23 21 13 23-1732	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	177.76	53.75
		For Work In Restricted Working Space, Add	*32.25*	
23 21 13 23-1733	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	198.01	53.75
		For Work In Restricted Working Space, Add	*32.25*	
23 21 13 23-1734	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	198.01	53.75
		For Work In Restricted Working Space, Add	*32.25*	
23 21 13 23-1735	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	211.88	53.75
		For Work In Restricted Working Space, Add	*32.25*	
23 21 13 23-1736	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	232.93	71.67
		For Work In Restricted Working Space, Add	*43.00*	
23 21 13 23-1737	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	232.93	71.67
		For Work In Restricted Working Space, Add	*43.00*	
23 21 13 23-1738	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	248.74	71.67
		For Work In Restricted Working Space, Add	*43.00*	
23 21 13 23-1739	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	253.18	71.67
		For Work In Restricted Working Space, Add	*43.00*	
23 21 13 23-1740	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	253.18	71.67
		For Work In Restricted Working Space, Add	*43.00*	
23 21 13 23-1741	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	257.62	71.67
		For Work In Restricted Working Space, Add	*43.00*	
23 21 13 23-1742	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	266.12	71.67
		For Work In Restricted Working Space, Add	*43.00*	
23 21 13 23-1743	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	331.98	98.53
		For Work In Restricted Working Space, Add	*59.12*	
23 21 13 23-1744	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	331.98	98.53
		For Work In Restricted Working Space, Add	*59.12*	
23 21 13 23-1745	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	339.66	98.53
		For Work In Restricted Working Space, Add	*59.12*	
23 21 13 23-1746	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	349.28	98.53
		For Work In Restricted Working Space, Add	*59.12*	
23 21 13 23-1747	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	388.88	125.41
		For Work In Restricted Working Space, Add	*75.25*	
23 21 13 23-1748	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	388.88	125.41
		For Work In Restricted Working Space, Add	*75.25*	
23 21 13 23-1749	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	400.16	125.41
		For Work In Restricted Working Space, Add	*75.25*	
23 21 13 23-1750	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	409.68	125.41
		For Work In Restricted Working Space, Add	*75.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1751	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	426.60	125.41
		For Work In Restricted Working Space, Add	*75.25*	
23 21 13 23-1752	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	576.34	166.02
		For Work In Restricted Working Space, Add	*99.62*	
23 21 13 23-1753	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	576.34	166.02
		For Work In Restricted Working Space, Add	*99.62*	
23 21 13 23-1754	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	589.93	166.02
		For Work In Restricted Working Space, Add	*99.62*	
23 21 13 23-1755	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	597.98	166.02
		For Work In Restricted Working Space, Add	*99.62*	

23 21 13 23-1756 Installation-Ready™ Grooved Fittings *(23 21 13 23-1529)*

23 21 13 23-1757 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1756)*

Note: Victaulic No. 101

23 21 13 23-1758	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	272.85	11.83
		For Work In Restricted Working Space, Add	*5.38*	
		For Galvanized Fittings, Add	*84.13*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1759	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	283.93	14.19
		For Work In Restricted Working Space, Add	*6.45*	
		For Galvanized Fittings, Add	*86.60*	
		For Galvanized Fittings, Add	*67.18*	
23 21 13 23-1760	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	292.98	18.92
		For Work In Restricted Working Space, Add	*8.60*	
		For Galvanized Fittings, Add	*87.22*	
		For Galvanized Fittings, Add	*67.66*	
23 21 13 23-1761	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	354.50	23.64
		For Work In Restricted Working Space, Add	*10.75*	
		For Galvanized Fittings, Add	*105.16*	
		For Galvanized Fittings, Add	*81.58*	

23 21 13 23-1762 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1756)*

Note: Victaulic No. 103

23 21 13 23-1763	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	272.85	11.83
		For Work In Restricted Working Space, Add	*5.38*	
		For Galvanized Fittings, Add	*61.18*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1764	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	283.93	14.19
		For Work In Restricted Working Space, Add	*6.45*	
		For Galvanized Fittings, Add	*62.98*	
		For Galvanized Fittings, Add	*67.18*	
23 21 13 23-1765	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	292.98	18.92
		For Work In Restricted Working Space, Add	*8.60*	
		For Galvanized Fittings, Add	*63.43*	
		For Galvanized Fittings, Add	*67.66*	
23 21 13 23-1766	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	354.50	23.64
		For Work In Restricted Working Space, Add	*10.75*	
		For Galvanized Fittings, Add	*76.48*	
		For Galvanized Fittings, Add	*81.58*	

23 21 13 23-1767 Installation-Ready™ Grooved Tees *(23 21 13 23-1756)*

Note: Victaulic No. 102

23 21 13 23-1768	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	417.54	15.76
		For Work In Restricted Working Space, Add	*7.17*	
		For Galvanized Fittings, Add	*118.10*	
		For Galvanized Fittings, Add	*100.77*	
23 21 13 23-1769	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	435.44	18.92
		For Work In Restricted Working Space, Add	*8.60*	
		For Galvanized Fittings, Add	*122.03*	
		For Galvanized Fittings, Add	*104.13*	
23 21 13 23-1770	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	450.61	25.22
		For Work In Restricted Working Space, Add	*11.47*	
		For Galvanized Fittings, Add	*123.72*	
		For Galvanized Fittings, Add	*105.57*	
23 21 13 23-1771	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	523.90	31.54
		For Work In Restricted Working Space, Add	*14.33*	
		For Galvanized Fittings, Add	*142.84*	
		For Galvanized Fittings, Add	*121.89*	

23 21 13 23-1772 Grooved Fittings *(23 21 13 23-1529)*

23 21 13 23-1773 Flanged Adapter Nipple, Grooved *(23 21 13 23-1772)*

Note: Victaulic No. 41 and 45

23 21 13 23-1774	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	279.75	14.33
		For Work In Restricted Working Space, Add	*6.45*	
		For Galvanized Fittings, Add	*46.49*	
		For 300 Lb. Rating, Add	*38.74*	
23 21 13 23-1775	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	282.14	15.88
		For Work In Restricted Working Space, Add	*7.17*	
		For Galvanized Fittings, Add	*46.49*	
		For 300 Lb. Rating, Add	*38.74*	
23 21 13 23-1776	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	288.12	19.95
		For Work In Restricted Working Space, Add	*8.96*	
		For Galvanized Fittings, Add	*46.49*	
		For 300 Lb. Rating, Add	*38.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1777	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	300.68	28.30
		For Work In Restricted Working Space, Add	*12.73*	
		For Galvanized Fittings, Add	*46.49*	
		For 300 Lb. Rating, Add	*38.74*	
23 21 13 23-1778	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	309.66	34.28
		For Work In Restricted Working Space, Add	*15.42*	
		For Galvanized Fittings, Add	*46.49*	
		For 300 Lb. Rating, Add	*38.74*	
23 21 13 23-1779	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	391.80	40.97
		For Work In Restricted Working Space, Add	*18.41*	
		For Galvanized Fittings, Add	*59.48*	
		For 300 Lb. Rating, Add	*49.57*	
23 21 13 23-1780	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	476.78	55.18
		For Work In Restricted Working Space, Add	*24.81*	
		For Galvanized Fittings, Add	*70.94*	
		For 300 Lb. Rating, Add	*59.11*	
23 21 13 23-1781	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	663.23	66.77
		For Work In Restricted Working Space, Add	*30.03*	
		For Galvanized Fittings, Add	*101.36*	
		For 300 Lb. Rating, Add	*84.47*	
23 21 13 23-1782	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	777.73	90.18
		For Work In Restricted Working Space, Add	*40.57*	
		For Galvanized Fittings, Add	*115.65*	
		For 300 Lb. Rating, Add	*96.38*	
23 21 13 23-1783	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,069.83	122.07
		For Work In Restricted Working Space, Add	*54.89*	
		For Galvanized Fittings, Add	*159.63*	
		For 300 Lb. Rating, Add	*133.03*	
23 21 13 23-1784	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,669.40	148.23
		For Work In Restricted Working Space, Add	*66.65*	
		For Galvanized Fittings, Add	*260.50*	
		For 300 Lb. Rating, Add	*217.08*	
23 21 13 23-1785	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,238.01	172.83
		For Work In Restricted Working Space, Add	*77.76*	
		For Galvanized Fittings, Add	*356.19*	
		For 300 Lb. Rating, Add	*296.82*	
23 21 13 23-1786	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,644.60	207.47
		For Work In Restricted Working Space, Add	*93.31*	
		For Galvanized Fittings, Add	*420.04*	
		For 300 Lb. Rating, Add	*350.03*	
23 21 13 23-1787	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	3,939.33	230.52
		For Work In Restricted Working Space, Add	*103.68*	
		For Galvanized Fittings, Add	*646.87*	
		For 300 Lb. Rating, Add	*539.06*	
23 21 13 23-1788	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,739.53	345.78
		For Work In Restricted Working Space, Add	*155.52*	
		For Galvanized Fittings, Add	*759.80*	
		For 300 Lb. Rating, Add	*633.17*	
23 21 13 23-1789	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,021.86	414.94
		For Work In Restricted Working Space, Add	*186.62*	
		For Galvanized Fittings, Add	*791.96*	
		For 300 Lb. Rating, Add	*659.97*	
23 21 13 23-1790	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	8,281.36	461.04
		For Work In Restricted Working Space, Add	*207.36*	
		For Galvanized Fittings, Add	*1,366.23*	
		For 300 Lb. Rating, Add	*1,138.52*	

23 21 13 23-1791 Grooved Concentric Reducers *(23 21 13 23-1772)*

Note: Victaulic No. 50

23 21 13 23-1792	EA	1-1/4" x 3/4", Grooved Concentric Reducer	296.95	14.33
		For Work In Restricted Working Space, Add	*6.45*	
		For Galvanized Fittings, Add	*12.12*	
23 21 13 23-1793	EA	1-1/4" x 1", Grooved Concentric Reducer	310.56	15.17
		For Work In Restricted Working Space, Add	*6.81*	
		For Galvanized Fittings, Add	*12.67*	
23 21 13 23-1794	EA	1-1/2" x 3/4", Grooved Concentric Reducer	349.60	16.37
		For Work In Restricted Working Space, Add	*7.35*	
		For Galvanized Fittings, Add	*39.08*	
23 21 13 23-1795	EA	1-1/2" x 1", Grooved Concentric Reducer	95.30	17.08
		For Work In Restricted Working Space, Add	*7.70*	
		For Galvanized Fittings, Add	*8.37*	
23 21 13 23-1796	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer	296.35	17.92
		For Work In Restricted Working Space, Add	*8.06*	
		For Galvanized Fittings, Add	*32.39*	
23 21 13 23-1797	EA	2" x 3/4", Grooved Concentric Reducer	98.88	19.47
		For Work In Restricted Working Space, Add	*8.78*	
		For Galvanized Fittings, Add	*8.37*	
23 21 13 23-1798	EA	2" x 1", Grooved Concentric Reducer	100.08	20.30
		For Work In Restricted Working Space, Add	*9.14*	
		For Galvanized Fittings, Add	*8.37*	
23 21 13 23-1799	EA	2" x 1-1/4", Grooved Concentric Reducer	108.26	21.14
		For Work In Restricted Working Space, Add	*9.50*	
		For Galvanized Fittings, Add	*9.21*	
23 21 13 23-1800	EA	2" x 1-1/2", Grooved Concentric Reducer	104.92	23.53
		For Work In Restricted Working Space, Add	*10.59*	
		For Galvanized Fittings, Add	*8.37*	
23 21 13 23-1801	EA	2-1/2" x 3/4", Grooved Concentric Reducer	599.58	21.97
		For Work In Restricted Working Space, Add	*9.89*	
		For Galvanized Fittings, Add	*68.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1802	EA	2-1/2" x 1", Grooved Concentric Reducer	478.61	22.81
		For Work In Restricted Working Space, Add	*10.24*	
		For Galvanized Fittings, Add	*53.43*	
23 21 13 23-1803	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer	437.67	23.53
		For Work In Restricted Working Space, Add	*10.59*	
		For Galvanized Fittings, Add	*48.36*	
23 21 13 23-1804	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer	108.43	25.92
		For Work In Restricted Working Space, Add	*11.64*	
		For Galvanized Fittings, Add	*8.37*	
23 21 13 23-1805	EA	2-1/2" x 2", Grooved Concentric Reducer	113.21	29.02
		For Work In Restricted Working Space, Add	*13.08*	
		For Galvanized Fittings, Add	*8.37*	
23 21 13 23-1806	EA	3" x 3/4", Grooved Concentric Reducer	608.57	25.56
		For Work In Restricted Working Space, Add	*11.48*	
		For Galvanized Fittings, Add	*86.69*	
23 21 13 23-1807	EA	3" x 1", Grooved Concentric Reducer	116.26	26.28
		For Work In Restricted Working Space, Add	*11.81*	
		For Galvanized Fittings, Add	*11.69*	
23 21 13 23-1808	EA	3" x 1-1/4", Grooved Concentric Reducer	482.31	27.12
		For Work In Restricted Working Space, Add	*12.17*	
		For Galvanized Fittings, Add	*67.14*	
23 21 13 23-1809	EA	3" x 1-1/2", Grooved Concentric Reducer	454.05	29.02
		For Work In Restricted Working Space, Add	*13.08*	
		For Galvanized Fittings, Add	*62.39*	
23 21 13 23-1810	EA	3" x 2", Grooved Concentric Reducer	109.45	32.25
		For Work In Restricted Working Space, Add	*14.51*	
		For Galvanized Fittings, Add	*9.28*	
23 21 13 23-1811	EA	3" x 2-1/2", Grooved Concentric Reducer	141.79	38.46
		For Work In Restricted Working Space, Add	*17.29*	
		For Galvanized Fittings, Add	*12.79*	
23 21 13 23-1812	EA	3-1/2" x 3", Grooved Concentric Reducer	151.78	41.45
		For Work In Restricted Working Space, Add	*18.63*	
		For Galvanized Fittings, Add	*13.63*	
23 21 13 23-1813	EA	4" x 1", Grooved Concentric Reducer	141.41	32.60
		For Work In Restricted Working Space, Add	*14.69*	
		For Galvanized Fittings, Add	*15.85*	
23 21 13 23-1814	EA	4" x 1-1/4", Grooved Concentric Reducer	780.87	33.44
		For Work In Restricted Working Space, Add	*15.05*	
		For Galvanized Fittings, Add	*125.32*	
23 21 13 23-1815	EA	4" x 1-1/2", Grooved Concentric Reducer	611.78	35.47
		For Work In Restricted Working Space, Add	*15.95*	
		For Galvanized Fittings, Add	*95.80*	
23 21 13 23-1816	EA	4" x 2", Grooved Concentric Reducer	139.24	38.70
		For Work In Restricted Working Space, Add	*17.38*	
		For Galvanized Fittings, Add	*13.94*	
23 21 13 23-1817	EA	4" x 2-1/2", Grooved Concentric Reducer	164.02	41.45
		For Work In Restricted Working Space, Add	*18.64*	
		For Galvanized Fittings, Add	*17.48*	
23 21 13 23-1818	EA	4" x 3", Grooved Concentric Reducer	168.79	44.67
		For Work In Restricted Working Space, Add	*20.07*	
		For Galvanized Fittings, Add	*17.48*	
23 21 13 23-1819	EA	4" x 3-1/2", Grooved Concentric Reducer	173.58	47.77
		For Work In Restricted Working Space, Add	*21.50*	
		For Galvanized Fittings, Add	*17.48*	
23 21 13 23-1820	EA	5" x 2", Grooved Concentric Reducer	1,095.80	45.03
		For Work In Restricted Working Space, Add	*20.25*	
		For Galvanized Fittings, Add	*176.36*	
23 21 13 23-1821	EA	5" x 2-1/2", Grooved Concentric Reducer	869.51	47.77
		For Work In Restricted Working Space, Add	*21.50*	
		For Galvanized Fittings, Add	*136.83*	
23 21 13 23-1822	EA	5" x 3", Grooved Concentric Reducer	195.73	51.00
		For Work In Restricted Working Space, Add	*22.94*	
		For Galvanized Fittings, Add	*20.46*	
23 21 13 23-1823	EA	5" x 4", Grooved Concentric Reducer	228.46	57.33
		For Work In Restricted Working Space, Add	*25.80*	
		For Galvanized Fittings, Add	*24.43*	
23 21 13 23-1824	EA	6" x 1", Grooved Concentric Reducer	262.33	48.61
		For Work In Restricted Working Space, Add	*21.86*	
		For Galvanized Fittings, Add	*35.35*	
23 21 13 23-1825	EA	6" x 1-1/2", Grooved Concentric Reducer	1,158.23	51.36
		For Work In Restricted Working Space, Add	*23.11*	
		For Galvanized Fittings, Add	*201.75*	
23 21 13 23-1826	EA	6" x 2", Grooved Concentric Reducer	271.26	54.59
		For Work In Restricted Working Space, Add	*24.54*	
		For Galvanized Fittings, Add	*35.35*	
23 21 13 23-1827	EA	6" x 2-1/2", Grooved Concentric Reducer	1,173.35	57.33
		For Work In Restricted Working Space, Add	*25.80*	
		For Galvanized Fittings, Add	*202.90*	
23 21 13 23-1828	EA	6" x 3", Grooved Concentric Reducer	280.24	60.56
		For Work In Restricted Working Space, Add	*27.23*	
		For Galvanized Fittings, Add	*35.35*	
23 21 13 23-1829	EA	6" x 4", Grooved Concentric Reducer	265.33	66.89
		For Work In Restricted Working Space, Add	*30.10*	
		For Galvanized Fittings, Add	*30.79*	
23 21 13 23-1830	EA	6" x 5", Grooved Concentric Reducer	353.99	73.34
		For Work In Restricted Working Space, Add	*32.97*	
		For Galvanized Fittings, Add	*45.55*	
23 21 13 23-1831	EA	8" x 3", Grooved Concentric Reducer	441.26	68.56
		For Work In Restricted Working Space, Add	*30.82*	
		For Galvanized Fittings, Add	*63.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1832	EA	8" x 4", Grooved Concentric Reducer	450.79	74.89
		For Work In Restricted Working Space, Add	*33.68*	
		For Galvanized Fittings, Add	*63.17*	
23 21 13 23-1833	EA	8" x 5", Grooved Concentric Reducer	460.37	81.22
		For Work In Restricted Working Space, Add	*36.55*	
		For Galvanized Fittings, Add	*63.17*	
23 21 13 23-1834	EA	8" x 6", Grooved Concentric Reducer	567.86	90.77
		For Work In Restricted Working Space, Add	*40.85*	
		For Galvanized Fittings, Add	*80.56*	
23 21 13 23-1835	EA	10" x 4", Grooved Concentric Reducer	930.86	83.25
		For Work In Restricted Working Space, Add	*37.45*	
		For Galvanized Fittings, Add	*150.40*	
23 21 13 23-1836	EA	10" x 5", Grooved Concentric Reducer	1,911.15	89.59
		For Work In Restricted Working Space, Add	*40.32*	
		For Galvanized Fittings, Add	*331.54*	
23 21 13 23-1837	EA	10" x 6", Grooved Concentric Reducer	1,030.13	99.14
		For Work In Restricted Working Space, Add	*44.61*	
		For Galvanized Fittings, Add	*164.47*	
23 21 13 23-1838	EA	10" x 8", Grooved Concentric Reducer	1,042.06	107.14
		For Work In Restricted Working Space, Add	*48.19*	
		For Galvanized Fittings, Add	*164.47*	
23 21 13 23-1839	EA	12" x 4", Grooved Concentric Reducer	2,810.34	94.84
		For Work In Restricted Working Space, Add	*42.64*	
		For Galvanized Fittings, Add	*400.23*	
23 21 13 23-1840	EA	12" x 6", Grooved Concentric Reducer	1,217.28	110.72
		For Work In Restricted Working Space, Add	*49.79*	
		For Galvanized Fittings, Add	*157.70*	
23 21 13 23-1841	EA	12" x 8", Grooved Concentric Reducer	1,757.16	118.73
		For Work In Restricted Working Space, Add	*53.39*	
		For Galvanized Fittings, Add	*236.88*	
23 21 13 23-1842	EA	12" x 10", Grooved Concentric Reducer	1,769.77	127.08
		For Work In Restricted Working Space, Add	*57.17*	
		For Galvanized Fittings, Add	*236.88*	
23 21 13 23-1843	EA	14" x 6", Grooved Concentric Reducer	5,537.13	119.32
		For Work In Restricted Working Space, Add	*53.67*	
		For Galvanized Fittings, Add	*164.50*	
23 21 13 23-1844	EA	14" x 8", Grooved Concentric Reducer	3,335.99	127.32
		For Work In Restricted Working Space, Add	*57.28*	
		For Galvanized Fittings, Add	*96.55*	
23 21 13 23-1845	EA	14" x 10", Grooved Concentric Reducer	2,858.93	135.69
		For Work In Restricted Working Space, Add	*61.02*	
		For Galvanized Fittings, Add	*81.52*	
23 21 13 23-1846	EA	14" x 12", Grooved Concentric Reducer	2,876.21	147.15
		For Work In Restricted Working Space, Add	*66.21*	
		For Galvanized Fittings, Add	*81.52*	
23 21 13 23-1847	EA	16" x 8", Grooved Concentric Reducer	5,049.45	135.81
		For Work In Restricted Working Space, Add	*61.10*	
		For Galvanized Fittings, Add	*148.77*	
23 21 13 23-1848	EA	16" x 10", Grooved Concentric Reducer	4,696.41	144.16
		For Work In Restricted Working Space, Add	*64.87*	
		For Galvanized Fittings, Add	*137.54*	
23 21 13 23-1849	EA	16" x 12", Grooved Concentric Reducer	4,355.35	155.75
		For Work In Restricted Working Space, Add	*70.04*	
		For Galvanized Fittings, Add	*126.54*	
23 21 13 23-1850	EA	16" x 14", Grooved Concentric Reducer	4,368.25	164.35
		For Work In Restricted Working Space, Add	*73.91*	
		For Galvanized Fittings, Add	*126.54*	
23 21 13 23-1851	EA	18" x 10", Grooved Concentric Reducer	6,554.50	152.16
		For Work In Restricted Working Space, Add	*68.43*	
		For Galvanized Fittings, Add	*194.22*	
23 21 13 23-1852	EA	18" x 12", Grooved Concentric Reducer	5,949.57	163.63
		For Work In Restricted Working Space, Add	*73.61*	
		For Galvanized Fittings, Add	*175.12*	
23 21 13 23-1853	EA	18" x 14", Grooved Concentric Reducer	5,422.30	172.24
		For Work In Restricted Working Space, Add	*77.49*	
		For Galvanized Fittings, Add	*158.53*	
23 21 13 23-1854	EA	18" x 16", Grooved Concentric Reducer	5,435.20	180.95
		For Work In Restricted Working Space, Add	*81.36*	
		For Galvanized Fittings, Add	*158.53*	
23 21 13 23-1855	EA	20" x 10", Grooved Concentric Reducer	7,207.78	156.11
		For Work In Restricted Working Space, Add	*70.21*	
		For Galvanized Fittings, Add	*214.09*	
23 21 13 23-1856	EA	20" x 12", Grooved Concentric Reducer	6,196.98	167.70
		For Work In Restricted Working Space, Add	*75.41*	
		For Galvanized Fittings, Add	*182.53*	
23 21 13 23-1857	EA	20" x 14", Grooved Concentric Reducer	6,209.88	176.29
		For Work In Restricted Working Space, Add	*79.28*	
		For Galvanized Fittings, Add	*182.53*	
23 21 13 23-1858	EA	20" x 16", Grooved Concentric Reducer	5,551.81	184.78
		For Work In Restricted Working Space, Add	*83.10*	
		For Galvanized Fittings, Add	*161.94*	
23 21 13 23-1859	EA	20" x 18", Grooved Concentric Reducer	5,914.00	192.78
		For Work In Restricted Working Space, Add	*86.72*	
		For Galvanized Fittings, Add	*172.69*	
23 21 13 23-1860	EA	24" x 10", Grooved Concentric Reducer	15,800.39	173.66
		For Work In Restricted Working Space, Add	*78.10*	
		For Galvanized Fittings, Add	*477.08*	
23 21 13 23-1861	EA	24" x 12", Grooved Concentric Reducer	15,442.50	185.25
		For Work In Restricted Working Space, Add	*83.33*	
		For Galvanized Fittings, Add	*465.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1862	EA	24" x 14", Grooved Concentric Reducer	13,475.10	193.74
		For Work In Restricted Working Space, Add	*87.14*	
		For Galvanized Fittings, Add	*404.77*	
23 21 13 23-1863	EA	24" x 16", Grooved Concentric Reducer	13,488.08	202.45
		For Work In Restricted Working Space, Add	*91.04*	
		For Galvanized Fittings, Add	*404.77*	
23 21 13 23-1864	EA	24" x 18", Grooved Concentric Reducer	11,569.14	210.33
		For Work In Restricted Working Space, Add	*94.59*	
		For Galvanized Fittings, Add	*345.49*	
23 21 13 23-1865	EA	24" x 20", Grooved Concentric Reducer	10,578.39	214.40
		For Work In Restricted Working Space, Add	*96.43*	
		For Galvanized Fittings, Add	*314.89*	

23 21 13 23-1866 Grooved Eccentric Reducers *(23 21 13 23-1772)*

Note: Victaulic No. 51

23 21 13 23-1867	EA	1-1/2" x 3/4", Grooved Eccentric Reducer	360.82	16.37
		For Work In Restricted Working Space, Add	*7.35*	
		For Galvanized Fittings, Add	*40.43*	
23 21 13 23-1868	EA	1-1/2" x 1", Grooved Eccentric Reducer	329.27	17.08
		For Work In Restricted Working Space, Add	*7.70*	
		For Galvanized Fittings, Add	*36.49*	
23 21 13 23-1869	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer	323.85	17.92
		For Work In Restricted Working Space, Add	*8.06*	
		For Galvanized Fittings, Add	*35.70*	
23 21 13 23-1870	EA	2" x 3/4", Grooved Eccentric Reducer	682.79	19.47
		For Work In Restricted Working Space, Add	*8.78*	
		For Galvanized Fittings, Add	*78.55*	
23 21 13 23-1871	EA	2" x 1", Grooved Eccentric Reducer	365.69	20.30
		For Work In Restricted Working Space, Add	*9.14*	
		For Galvanized Fittings, Add	*40.29*	
23 21 13 23-1872	EA	2" x 1-1/4", Grooved Eccentric Reducer	399.16	21.14
		For Work In Restricted Working Space, Add	*9.50*	
		For Galvanized Fittings, Add	*44.17*	
23 21 13 23-1873	EA	2" x 1-1/2", Grooved Eccentric Reducer	342.94	23.53
		For Work In Restricted Working Space, Add	*10.59*	
		For Galvanized Fittings, Add	*36.98*	
23 21 13 23-1874	EA	2-1/2" x 3/4", Grooved Eccentric Reducer	886.07	21.97
		For Work In Restricted Working Space, Add	*9.89*	
		For Galvanized Fittings, Add	*102.54*	
23 21 13 23-1875	EA	2-1/2" x 1", Grooved Eccentric Reducer	828.92	22.81
		For Work In Restricted Working Space, Add	*10.24*	
		For Galvanized Fittings, Add	*95.53*	
23 21 13 23-1876	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer	496.89	23.53
		For Work In Restricted Working Space, Add	*10.59*	
		For Galvanized Fittings, Add	*55.48*	
23 21 13 23-1877	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer	404.57	25.92
		For Work In Restricted Working Space, Add	*11.64*	
		For Galvanized Fittings, Add	*43.96*	
23 21 13 23-1878	EA	2-1/2" x 2", Grooved Eccentric Reducer	190.92	29.02
		For Work In Restricted Working Space, Add	*13.08*	
		For Galvanized Fittings, Add	*17.71*	
23 21 13 23-1879	EA	3" x 1", Grooved Eccentric Reducer	891.93	26.28
		For Work In Restricted Working Space, Add	*11.81*	
		For Galvanized Fittings, Add	*102.48*	
23 21 13 23-1880	EA	3" x 1-1/4", Grooved Eccentric Reducer	812.39	27.12
		For Work In Restricted Working Space, Add	*12.17*	
		For Galvanized Fittings, Add	*92.77*	
23 21 13 23-1881	EA	3" x 1-1/2", Grooved Eccentric Reducer	466.65	29.02
		For Work In Restricted Working Space, Add	*13.08*	
		For Galvanized Fittings, Add	*50.85*	
23 21 13 23-1882	EA	3" x 2", Grooved Eccentric Reducer	217.70	32.25
		For Work In Restricted Working Space, Add	*14.51*	
		For Galvanized Fittings, Add	*20.35*	
23 21 13 23-1883	EA	3" x 2-1/2", Grooved Eccentric Reducer	226.96	38.46
		For Work In Restricted Working Space, Add	*17.29*	
		For Galvanized Fittings, Add	*20.35*	
23 21 13 23-1884	EA	3-1/2" x 3", Grooved Eccentric Reducer	998.82	41.45
		For Work In Restricted Working Space, Add	*18.63*	
		For Galvanized Fittings, Add	*112.59*	
23 21 13 23-1885	EA	4" x 1", Grooved Eccentric Reducer	1,777.08	32.60
		For Work In Restricted Working Space, Add	*14.69*	
		For Galvanized Fittings, Add	*296.37*	
23 21 13 23-1886	EA	4" x 1-1/2", Grooved Eccentric Reducer	1,098.30	35.47
		For Work In Restricted Working Space, Add	*15.95*	
		For Galvanized Fittings, Add	*179.24*	
23 21 13 23-1887	EA	4" x 2", Grooved Eccentric Reducer	264.96	38.70
		For Work In Restricted Working Space, Add	*17.38*	
		For Galvanized Fittings, Add	*35.50*	
23 21 13 23-1888	EA	4" x 2-1/2", Grooved Eccentric Reducer	269.14	41.45
		For Work In Restricted Working Space, Add	*18.64*	
		For Galvanized Fittings, Add	*35.50*	
23 21 13 23-1889	EA	4" x 3", Grooved Eccentric Reducer	273.91	44.67
		For Work In Restricted Working Space, Add	*20.07*	
		For Galvanized Fittings, Add	*35.50*	
23 21 13 23-1890	EA	5" x 2", Grooved Eccentric Reducer	1,219.96	45.03
		For Work In Restricted Working Space, Add	*20.25*	
		For Galvanized Fittings, Add	*197.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1891	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,053.54	47.77
		For Work In Restricted Working Space, Add	*21.50*	
		For Galvanized Fittings, Add	*168.39*	
23 21 13 23-1892	EA	5" x 3", Grooved Eccentric Reducer	1,024.84	51.00
		For Work In Restricted Working Space, Add	*22.94*	
		For Galvanized Fittings, Add	*162.65*	
23 21 13 23-1893	EA	5" x 4", Grooved Eccentric Reducer	367.98	57.33
		For Work In Restricted Working Space, Add	*25.80*	
		For Galvanized Fittings, Add	*48.36*	
23 21 13 23-1894	EA	6" x 1", Grooved Eccentric Reducer	1,864.43	48.61
		For Work In Restricted Working Space, Add	*21.86*	
		For Galvanized Fittings, Add	*334.31*	
23 21 13 23-1895	EA	6" x 2", Grooved Eccentric Reducer	1,715.63	54.59
		For Work In Restricted Working Space, Add	*24.54*	
		For Galvanized Fittings, Add	*304.87*	
23 21 13 23-1896	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,031.52	57.33
		For Work In Restricted Working Space, Add	*25.80*	
		For Galvanized Fittings, Add	*363.03*	
23 21 13 23-1897	EA	6" x 3", Grooved Eccentric Reducer	466.20	60.56
		For Work In Restricted Working Space, Add	*27.23*	
		For Galvanized Fittings, Add	*70.05*	
23 21 13 23-1898	EA	6" x 4", Grooved Eccentric Reducer	428.95	66.89
		For Work In Restricted Working Space, Add	*30.10*	
		For Galvanized Fittings, Add	*61.32*	
23 21 13 23-1899	EA	6" x 5", Grooved Eccentric Reducer	504.08	73.34
		For Work In Restricted Working Space, Add	*32.97*	
		For Galvanized Fittings, Add	*73.55*	
23 21 13 23-1900	EA	8" x 3", Grooved Eccentric Reducer	2,001.06	68.56
		For Work In Restricted Working Space, Add	*30.82*	
		For Galvanized Fittings, Add	*354.23*	
23 21 13 23-1901	EA	8" x 4", Grooved Eccentric Reducer	1,771.28	74.89
		For Work In Restricted Working Space, Add	*33.68*	
		For Galvanized Fittings, Add	*309.58*	
23 21 13 23-1902	EA	8" x 5", Grooved Eccentric Reducer	1,666.45	81.22
		For Work In Restricted Working Space, Add	*36.55*	
		For Galvanized Fittings, Add	*288.23*	
23 21 13 23-1903	EA	8" x 6", Grooved Eccentric Reducer	802.48	90.77
		For Work In Restricted Working Space, Add	*40.85*	
		For Galvanized Fittings, Add	*124.34*	
23 21 13 23-1904	EA	10" x 4", Grooved Eccentric Reducer	3,169.21	83.25
		For Work In Restricted Working Space, Add	*37.45*	
		For Galvanized Fittings, Add	*568.08*	
23 21 13 23-1905	EA	10" x 5", Grooved Eccentric Reducer	3,002.64	89.59
		For Work In Restricted Working Space, Add	*40.32*	
		For Galvanized Fittings, Add	*535.22*	
23 21 13 23-1906	EA	10" x 6", Grooved Eccentric Reducer	2,311.63	99.14
		For Work In Restricted Working Space, Add	*44.61*	
		For Galvanized Fittings, Add	*403.60*	
23 21 13 23-1907	EA	10" x 8", Grooved Eccentric Reducer	1,991.28	107.14
		For Work In Restricted Working Space, Add	*48.19*	
		For Galvanized Fittings, Add	*341.60*	
23 21 13 23-1908	EA	12" x 4", Grooved Eccentric Reducer	3,237.73	94.84
		For Work In Restricted Working Space, Add	*42.64*	
		For Galvanized Fittings, Add	*467.13*	
23 21 13 23-1909	EA	12" x 6", Grooved Eccentric Reducer	3,055.47	110.72
		For Work In Restricted Working Space, Add	*49.79*	
		For Galvanized Fittings, Add	*436.02*	
23 21 13 23-1910	EA	12" x 8", Grooved Eccentric Reducer	2,993.50	118.73
		For Work In Restricted Working Space, Add	*53.39*	
		For Galvanized Fittings, Add	*424.87*	
23 21 13 23-1911	EA	12" x 10", Grooved Eccentric Reducer	2,712.45	127.08
		For Work In Restricted Working Space, Add	*57.17*	
		For Galvanized Fittings, Add	*380.55*	
23 21 13 23-1912	EA	14" x 6", Grooved Eccentric Reducer	7,469.59	119.32
		For Work In Restricted Working Space, Add	*53.67*	
		For Galvanized Fittings, Add	*223.82*	
23 21 13 23-1913	EA	14" x 8", Grooved Eccentric Reducer	4,852.02	127.32
		For Work In Restricted Working Space, Add	*57.28*	
		For Galvanized Fittings, Add	*143.10*	
23 21 13 23-1914	EA	14" x 10", Grooved Eccentric Reducer	4,640.47	135.69
		For Work In Restricted Working Space, Add	*61.02*	
		For Galvanized Fittings, Add	*136.22*	
23 21 13 23-1915	EA	14" x 12", Grooved Eccentric Reducer	4,657.75	147.15
		For Work In Restricted Working Space, Add	*66.21*	
		For Galvanized Fittings, Add	*136.22*	
23 21 13 23-1916	EA	16" x 8", Grooved Eccentric Reducer	8,255.32	135.81
		For Work In Restricted Working Space, Add	*61.10*	
		For Galvanized Fittings, Add	*247.19*	
23 21 13 23-1917	EA	16" x 10", Grooved Eccentric Reducer	7,656.54	144.16
		For Work In Restricted Working Space, Add	*64.87*	
		For Galvanized Fittings, Add	*228.42*	
23 21 13 23-1918	EA	16" x 12", Grooved Eccentric Reducer	7,224.70	155.75
		For Work In Restricted Working Space, Add	*70.04*	
		For Galvanized Fittings, Add	*214.63*	
23 21 13 23-1919	EA	16" x 14", Grooved Eccentric Reducer	7,237.60	164.35
		For Work In Restricted Working Space, Add	*73.91*	
		For Galvanized Fittings, Add	*214.63*	
23 21 13 23-1920	EA	18" x 10", Grooved Eccentric Reducer	10,347.68	152.16
		For Work In Restricted Working Space, Add	*68.43*	
		For Galvanized Fittings, Add	*310.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1921	EA	18" x 12", Grooved Eccentric Reducer	9,747.63	163.63
		For Work In Restricted Working Space, Add	*73.61*	
		For Galvanized Fittings, Add	*291.72*	
23 21 13 23-1922	EA	18" x 14", Grooved Eccentric Reducer	8,891.56	172.24
		For Work In Restricted Working Space, Add	*77.49*	
		For Galvanized Fittings, Add	*265.04*	
23 21 13 23-1923	EA	18" x 16", Grooved Eccentric Reducer	8,904.46	180.95
		For Work In Restricted Working Space, Add	*81.36*	
		For Galvanized Fittings, Add	*265.04*	
23 21 13 23-1924	EA	20" x 10", Grooved Eccentric Reducer	13,569.20	156.11
		For Work In Restricted Working Space, Add	*70.21*	
		For Galvanized Fittings, Add	*409.39*	
23 21 13 23-1925	EA	20" x 12", Grooved Eccentric Reducer	10,115.24	167.70
		For Work In Restricted Working Space, Add	*75.41*	
		For Galvanized Fittings, Add	*302.82*	
23 21 13 23-1926	EA	20" x 14", Grooved Eccentric Reducer	9,511.49	176.29
		For Work In Restricted Working Space, Add	*79.28*	
		For Galvanized Fittings, Add	*283.89*	
23 21 13 23-1927	EA	20" x 16", Grooved Eccentric Reducer	9,374.61	184.78
		For Work In Restricted Working Space, Add	*83.10*	
		For Galvanized Fittings, Add	*279.30*	
23 21 13 23-1928	EA	20" x 18", Grooved Eccentric Reducer	9,038.10	192.78
		For Work In Restricted Working Space, Add	*86.72*	
		For Galvanized Fittings, Add	*268.60*	
23 21 13 23-1929	EA	24" x 12", Grooved Eccentric Reducer	19,582.13	185.25
		For Work In Restricted Working Space, Add	*83.33*	
		For Galvanized Fittings, Add	*592.64*	
23 21 13 23-1930	EA	24" x 14", Grooved Eccentric Reducer	16,743.32	193.74
		For Work In Restricted Working Space, Add	*87.14*	
		For Galvanized Fittings, Add	*505.10*	
23 21 13 23-1931	EA	24" x 16", Grooved Eccentric Reducer	16,756.30	202.45
		For Work In Restricted Working Space, Add	*91.04*	
		For Galvanized Fittings, Add	*505.10*	
23 21 13 23-1932	EA	24" x 18", Grooved Eccentric Reducer	15,834.21	210.33
		For Work In Restricted Working Space, Add	*94.59*	
		For Galvanized Fittings, Add	*476.43*	
23 21 13 23-1933	EA	24" x 20", Grooved Eccentric Reducer	14,483.22	214.40
		For Work In Restricted Working Space, Add	*96.43*	
		For Galvanized Fittings, Add	*434.77*	

23 21 13 23-1934 Grooved, Close Nipple *(23 21 13 23-1772)*

Note: Victaulic No. 143

23 21 13 23-1935	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	65.75	15.76
		For Work In Restricted Working Space, Add	*7.17*	
		For Galvanized Fittings, Add	*7.53*	
		For 300 Lb. Rating, Add	*6.28*	
		For Galvanized Fittings, Add	*10.72*	
23 21 13 23-1936	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	75.48	19.71
		For Work In Restricted Working Space, Add	*8.96*	
		For Galvanized Fittings, Add	*8.21*	
		For 300 Lb. Rating, Add	*6.84*	
		For Galvanized Fittings, Add	*11.68*	
23 21 13 23-1937	EA	2" Ductile Iron, Grooved, Close Nipple	94.41	26.01
		For Work In Restricted Working Space, Add	*11.83*	
		For Galvanized Fittings, Add	*9.90*	
		For 300 Lb. Rating, Add	*8.25*	
		For Galvanized Fittings, Add	*14.08*	
23 21 13 23-1938	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	112.75	31.54
		For Work In Restricted Working Space, Add	*14.33*	
		For Galvanized Fittings, Add	*11.70*	
		For 300 Lb. Rating, Add	*9.75*	
		For Galvanized Fittings, Add	*16.63*	

23 21 13 23-1939 Grooved Caps *(23 21 13 23-1772)*

Note: Victaulic No. 60

23 21 13 23-1940	EA	1" Carbon Steel Grooved Cap	119.41	4.90
		For Work In Restricted Working Space, Add	*2.94*	
23 21 13 23-1941	EA	1-1/4" Carbon Steel Grooved Cap	121.80	6.09
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-1942	EA	1-1/2" Carbon Steel Grooved Cap	124.43	7.41
		For Work In Restricted Working Space, Add	*4.44*	
23 21 13 23-1943	EA	2" Carbon Steel Grooved Cap	129.09	9.79
		For Work In Restricted Working Space, Add	*5.84*	
23 21 13 23-1944	EA	2-1/2" Carbon Steel Grooved Cap	133.39	11.95
		For Work In Restricted Working Space, Add	*7.13*	
23 21 13 23-1945	EA	3" Carbon Steel Grooved Cap	138.41	14.45
		For Work In Restricted Working Space, Add	*8.64*	
23 21 13 23-1946	EA	4" Carbon Steel Grooved Cap	154.88	19.11
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-1947	EA	5" Carbon Steel Grooved Cap	315.92	23.77
		For Work In Restricted Working Space, Add	*14.26*	
23 21 13 23-1948	EA	6" Carbon Steel Grooved Cap	330.24	31.17
		For Work In Restricted Working Space, Add	*18.67*	
23 21 13 23-1949	EA	8" Carbon Steel Grooved Cap	583.67	37.02
		For Work In Restricted Working Space, Add	*22.22*	
23 21 13 23-1950	EA	10" Carbon Steel Grooved Cap	975.11	43.24
		For Work In Restricted Working Space, Add	*25.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1951	EA	12" Carbon Steel Grooved Cap	1,657.63	51.84
		For Work In Restricted Working Space, Add	*31.10*	

23 21 13 23-1952 Grooved Couplings *(23 21 13 23-1529)*

23 21 13 23-1953 Flexible Grooved Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 77

23 21 13 23-1954	EA	3/4" Grooved Standard Coupling	23.73	6.45
		For Work In Restricted Working Space, Add	*2.93*	
		For Galvanized Fittings, Add	*3.91*	
23 21 13 23-1955	EA	1" Grooved Standard Coupling	23.73	6.45
		For Work In Restricted Working Space, Add	*2.93*	
		For Galvanized Fittings, Add	*3.91*	
23 21 13 23-1956	EA	1-1/4" Grooved Standard Coupling	30.80	8.12
		For Work In Restricted Working Space, Add	*3.66*	
		For Galvanized Fittings, Add	*5.21*	
23 21 13 23-1957	EA	1-1/2" Grooved Standard Coupling	34.90	9.67
		For Work In Restricted Working Space, Add	*4.37*	
		For Galvanized Fittings, Add	*5.69*	
23 21 13 23-1958	EA	2" Grooved Standard Coupling	41.00	13.02
		For Work In Restricted Working Space, Add	*5.86*	
		For Galvanized Fittings, Add	*6.01*	
23 21 13 23-1959	EA	2-1/2" Grooved Standard Coupling	49.49	15.88
		For Work In Restricted Working Space, Add	*7.13*	
		For Galvanized Fittings, Add	*7.20*	
23 21 13 23-1960	EA	3" Grooved Standard Coupling	54.10	18.99
		For Work In Restricted Working Space, Add	*8.52*	
		For Galvanized Fittings, Add	*7.20*	
23 21 13 23-1961	EA	3-1/2" Grooved Standard Coupling	74.80	22.22
		For Work In Restricted Working Space, Add	*10.01*	
		For Galvanized Fittings, Add	*11.60*	
23 21 13 23-1962	EA	4" Grooved Standard Coupling	79.47	25.33
		For Work In Restricted Working Space, Add	*11.41*	
		For Galvanized Fittings, Add	*11.60*	
23 21 13 23-1963	EA	5" Grooved Standard Coupling	111.06	31.77
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*17.78*	
23 21 13 23-1964	EA	6" Grooved Standard Coupling	137.29	41.45
		For Work In Restricted Working Space, Add	*18.66*	
		For Galvanized Fittings, Add	*21.02*	
23 21 13 23-1965	EA	8" Grooved Standard Coupling	196.43	49.45
		For Work In Restricted Working Space, Add	*22.22*	
		For Galvanized Fittings, Add	*34.27*	
23 21 13 23-1966	EA	10" Grooved Standard Coupling	292.26	59.25
		For Work In Restricted Working Space, Add	*26.66*	
		For Galvanized Fittings, Add	*56.95*	
23 21 13 23-1967	EA	12" Grooved Standard Coupling	328.79	64.85
		For Work In Restricted Working Space, Add	*29.16*	
		For Galvanized Fittings, Add	*64.84*	
23 21 13 23-1968	EA	14" Grooved Standard Coupling	410.93	86.48
		For Work In Restricted Working Space, Add	*38.88*	
		For Galvanized Fittings, Add	*78.77*	
23 21 13 23-1969	EA	16" Grooved Standard Coupling	524.55	103.80
		For Work In Restricted Working Space, Add	*46.66*	
		For Galvanized Fittings, Add	*103.33*	
23 21 13 23-1970	EA	18" Grooved Standard Coupling	604.97	115.26
		For Work In Restricted Working Space, Add	*51.84*	
		For Galvanized Fittings, Add	*121.01*	
23 21 13 23-1971	EA	20" Grooved Standard Coupling	874.28	129.72
		For Work In Restricted Working Space, Add	*58.32*	
		For Galvanized Fittings, Add	*190.37*	
23 21 13 23-1972	EA	24" Grooved Standard Coupling	984.85	159.57
		For Work In Restricted Working Space, Add	*71.78*	
		For Galvanized Fittings, Add	*208.77*	

23 21 13 23-1973 Zero-Flex® Rigid Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 07

23 21 13 23-1974	EA	1" Grooved Rigid Coupling	29.20	6.45
		For Work In Restricted Working Space, Add	*2.93*	
		For Galvanized Fittings, Add	*4.77*	
23 21 13 23-1975	EA	1-1/4" Grooved Rigid Coupling	31.65	8.12
		For Work In Restricted Working Space, Add	*3.66*	
		For Galvanized Fittings, Add	*4.77*	
23 21 13 23-1976	EA	1-1/2" Grooved Rigid Coupling	34.02	9.67
		For Work In Restricted Working Space, Add	*4.37*	
		For Galvanized Fittings, Add	*4.77*	
23 21 13 23-1977	EA	2" Grooved Rigid Coupling	39.46	13.02
		For Work In Restricted Working Space, Add	*5.86*	
		For Galvanized Fittings, Add	*4.89*	
23 21 13 23-1978	EA	2-1/2" Grooved Rigid Coupling	46.77	15.88
		For Work In Restricted Working Space, Add	*7.13*	
		For Galvanized Fittings, Add	*5.63*	
23 21 13 23-1979	EA	3" Grooved Rigid Coupling	51.38	18.99
		For Work In Restricted Working Space, Add	*8.52*	
		For Galvanized Fittings, Add	*5.63*	
23 21 13 23-1980	EA	3-1/2" Grooved Rigid Coupling	60.24	22.22
		For Work In Restricted Working Space, Add	*10.01*	
		For Galvanized Fittings, Add	*6.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1981	EA	4" Grooved Rigid Coupling	76.11	25.33
		For Work In Restricted Working Space, Add	*11.41*	
		For Galvanized Fittings, Add	*9.33*	
23 21 13 23-1982	EA	5" Grooved Rigid Coupling	97.00	31.77
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*12.12*	
23 21 13 23-1983	EA	6" Grooved Rigid Coupling	128.31	41.45
		For Work In Restricted Working Space, Add	*18.66*	
		For Galvanized Fittings, Add	*16.19*	
23 21 13 23-1984	EA	8" Grooved Rigid Coupling	178.18	49.45
		For Work In Restricted Working Space, Add	*22.22*	
		For Galvanized Fittings, Add	*25.51*	
23 21 13 23-1985	EA	10" Grooved Rigid Coupling	275.45	59.25
		For Work In Restricted Working Space, Add	*26.66*	
		For Galvanized Fittings, Add	*45.71*	
23 21 13 23-1986	EA	12" Grooved Rigid Coupling	306.00	64.85
		For Work In Restricted Working Space, Add	*29.16*	
		For Galvanized Fittings, Add	*51.15*	
23 21 13 23-1987	EA	14" Grooved Rigid Coupling	402.39	86.48
		For Work In Restricted Working Space, Add	*38.88*	
		For Galvanized Fittings, Add	*66.83*	
23 21 13 23-1988	EA	16" Grooved Rigid Coupling	511.30	103.80
		For Work In Restricted Working Space, Add	*46.66*	
		For Galvanized Fittings, Add	*87.16*	
23 21 13 23-1989	EA	18" Grooved Rigid Coupling	584.08	115.26
		For Work In Restricted Working Space, Add	*51.84*	
		For Galvanized Fittings, Add	*100.76*	
23 21 13 23-1990	EA	20" Grooved Rigid Coupling	684.05	129.72
		For Work In Restricted Working Space, Add	*58.32*	
		For Galvanized Fittings, Add	*119.96*	
23 21 13 23-1991	EA	24" Grooved Rigid Coupling	960.49	159.57
		For Work In Restricted Working Space, Add	*71.78*	
		For Galvanized Fittings, Add	*176.70*	

23 21 13 23-1992 Large Diameter Grooved Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 770

23 21 13 23-1993	EA	28" Grooved Coupling	913.00	31.77
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*121.16*	
23 21 13 23-1994	EA	30" Grooved Coupling	1,058.62	41.45
		For Work In Restricted Working Space, Add	*18.66*	
		For Galvanized Fittings, Add	*139.50*	
23 21 13 23-1995	EA	32" Grooved Coupling	1,566.24	49.45
		For Work In Restricted Working Space, Add	*22.22*	
		For Galvanized Fittings, Add	*208.91*	
23 21 13 23-1996	EA	36" Grooved Coupling	2,076.82	59.25
		For Work In Restricted Working Space, Add	*26.66*	
		For Galvanized Fittings, Add	*278.31*	
23 21 13 23-1997	EA	42" Grooved Coupling	4,117.66	64.85
		For Work In Restricted Working Space, Add	*29.16*	
		For Galvanized Fittings, Add	*562.86*	

23 21 13 23-1998 Flexible Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 75

23 21 13 23-1999	EA	1-1/2" Grooved Flexible Coupling	32.25	9.67
		For Work In Restricted Working Space, Add	*4.37*	
		For Galvanized Fittings, Add	*4.53*	
23 21 13 23-2000	EA	2" Grooved Flexible Coupling	37.65	13.02
		For Work In Restricted Working Space, Add	*5.86*	
		For Galvanized Fittings, Add	*4.64*	
23 21 13 23-2001	EA	2-1/2" Grooved Flexible Coupling	44.80	15.88
		For Work In Restricted Working Space, Add	*7.13*	
		For Galvanized Fittings, Add	*5.38*	
23 21 13 23-2002	EA	3" Grooved Flexible Coupling	52.83	18.99
		For Work In Restricted Working Space, Add	*8.52*	
		For Galvanized Fittings, Add	*6.26*	
23 21 13 23-2003	EA	3-1/2" Grooved Flexible Coupling	67.98	22.22
		For Work In Restricted Working Space, Add	*10.01*	
		For Galvanized Fittings, Add	*8.86*	
23 21 13 23-2004	EA	4" Grooved Flexible Coupling	72.65	25.33
		For Work In Restricted Working Space, Add	*11.41*	
		For Galvanized Fittings, Add	*8.86*	
23 21 13 23-2005	EA	5" Grooved Flexible Coupling	97.49	31.77
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*12.78*	
23 21 13 23-2006	EA	6" Grooved Flexible Coupling	122.37	41.45
		For Work In Restricted Working Space, Add	*18.66*	
		For Galvanized Fittings, Add	*15.40*	
23 21 13 23-2007	EA	8" Grooved Flexible Coupling	168.62	49.45
		For Work In Restricted Working Space, Add	*22.22*	
		For Galvanized Fittings, Add	*24.21*	

23 21 13 23-2008 Installation-Ready™ Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 009N

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2009	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	82.89	6.03
		For Work In Restricted Working Space, Add	*2.74*	
		For Galvanized Fittings, Add	*18.88*	
23 21 13 23-2010	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	86.20	7.22
		For Work In Restricted Working Space, Add	*3.28*	
		For Galvanized Fittings, Add	*19.27*	
23 21 13 23-2011	EA	2" Ductile Iron, Installation-Ready™ Coupling	99.84	9.69
		For Work In Restricted Working Space, Add	*4.41*	
		For Galvanized Fittings, Add	*21.80*	
23 21 13 23-2012	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	115.88	11.75
		For Work In Restricted Working Space, Add	*5.34*	
		For Galvanized Fittings, Add	*25.11*	
23 21 13 23-2013	EA	3" Ductile Iron, Installation-Ready™ Coupling	132.37	14.11
		For Work In Restricted Working Space, Add	*6.41*	
		For Galvanized Fittings, Add	*28.41*	
23 21 13 23-2014	EA	4" Ductile Iron, Installation-Ready™ Coupling	184.41	18.84
		For Work In Restricted Working Space, Add	*8.57*	
		For Galvanized Fittings, Add	*39.90*	
23 21 13 23-2015	EA	5" Ductile Iron, Installation-Ready™ Coupling	290.64	23.57
		For Work In Restricted Working Space, Add	*10.71*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-2016	EA	6" Ductile Iron, Installation-Ready™ Coupling	351.32	30.82
		For Work In Restricted Working Space, Add	*14.01*	
		For Galvanized Fittings, Add	*77.98*	
23 21 13 23-2017	EA	8" Ductile Iron, Installation-Ready™ Coupling	564.47	36.66
		For Work In Restricted Working Space, Add	*16.66*	
		For Galvanized Fittings, Add	*130.29*	

23 21 13 23-2018 Grooved Strainers And Suction Diffusers *(23 21 13 23-1529)*

23 21 13 23-2019 Grooved Wye Strainers *(23 21 13 23-2018)*

Note: Victaulic Style 732

23 21 13 23-2020	EA	2" Grooved Wye Strainer	2,662.04	26.28
		For Work In Restricted Working Space, Add	*11.71*	
23 21 13 23-2021	EA	2-1/2" Grooved Wye Strainer	2,802.76	31.89
		For Work In Restricted Working Space, Add	*14.27*	
23 21 13 23-2022	EA	3" Grooved Wye Strainer	3,152.21	38.22
		For Work In Restricted Working Space, Add	*17.29*	
23 21 13 23-2023	EA	4" Grooved Wye Strainer	3,578.93	51.00
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-2024	EA	5" Grooved Wye Strainer	5,169.23	63.78
		For Work In Restricted Working Space, Add	*28.53*	
23 21 13 23-2025	EA	6" Grooved Wye Strainer	5,633.02	82.89
		For Work In Restricted Working Space, Add	*37.32*	
23 21 13 23-2026	EA	8" Grooved Wye Strainer	8,593.07	98.78
		For Work In Restricted Working Space, Add	*44.44*	
23 21 13 23-2027	EA	10" Grooved Wye Strainer	13,748.45	115.49
		For Work In Restricted Working Space, Add	*51.84*	
23 21 13 23-2028	EA	12" Grooved Wye Strainer	23,922.92	138.67
		For Work In Restricted Working Space, Add	*62.21*	

23 21 13 23-2029 Grooved Tee Type Strainers *(23 21 13 23-2018)*

Note: Victaulic Style 730

23 21 13 23-2030	EA	1-1/2" Grooved Tee Type Strainer	2,053.70	19.95
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2031	EA	2" Grooved Tee Type Strainer	2,629.67	26.28
		For Work In Restricted Working Space, Add	*11.71*	
23 21 13 23-2032	EA	2-1/2" Grooved Tee Type Strainer	2,769.12	31.89
		For Work In Restricted Working Space, Add	*14.27*	
23 21 13 23-2033	EA	3" Grooved Tee Type Strainer	3,114.20	38.22
		For Work In Restricted Working Space, Add	*17.29*	
23 21 13 23-2034	EA	4" Grooved Tee Type Strainer	3,535.83	51.00
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-2035	EA	5" Grooved Tee Type Strainer	5,106.48	63.78
		For Work In Restricted Working Space, Add	*28.53*	
23 21 13 23-2036	EA	6" Grooved Tee Type Strainer	5,565.36	82.89
		For Work In Restricted Working Space, Add	*37.32*	
23 21 13 23-2037	EA	8" Grooved Tee Type Strainer	8,488.32	98.78
		For Work In Restricted Working Space, Add	*44.44*	
23 21 13 23-2038	EA	10" Grooved Tee Type Strainer	12,422.67	115.49
		For Work In Restricted Working Space, Add	*51.84*	
23 21 13 23-2039	EA	12" Grooved Tee Type Strainer	15,976.28	138.67
		For Work In Restricted Working Space, Add	*62.21*	
23 21 13 23-2040	EA	14" Grooved Tee Type Strainer	56,439.98	156.11
		For Work In Restricted Working Space, Add	*70.26*	
23 21 13 23-2041	EA	16" Grooved Tee Type Strainer	70,114.82	172.83
		For Work In Restricted Working Space, Add	*77.76*	
23 21 13 23-2042	EA	18" Grooved Tee Type Strainer	92,163.63	188.83
		For Work In Restricted Working Space, Add	*84.91*	

23 21 13 23-2043 Grooved Suction Diffuser *(23 21 13 23-2018)*

Note: Victaulic Style 731

23 21 13 23-2044	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,422.71	29.50
		For Work In Restricted Working Space, Add	*13.08*	
23 21 13 23-2045	EA	3" Grooved x 2" Flanged Suction Diffuser	5,756.67	32.60
		For Work In Restricted Working Space, Add	*14.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2046	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	4,160.45	38.22
		For Work In Restricted Working Space, Add	*17.29*	
23 21 13 23-2047	EA	3" Grooved x 3" Flanged Suction Diffuser	4,219.48	41.45
		For Work In Restricted Working Space, Add	*18.63*	
23 21 13 23-2048	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,570.30	41.45
		For Work In Restricted Working Space, Add	*18.64*	
23 21 13 23-2049	EA	4" Grooved x 3" Flanged Suction Diffuser	4,930.79	44.67
		For Work In Restricted Working Space, Add	*20.07*	
23 21 13 23-2050	EA	4" Grooved x 4" Flanged Suction Diffuser	5,700.13	44.67
		For Work In Restricted Working Space, Add	*20.25*	
23 21 13 23-2051	EA	5" Grooved x 4" Flanged Suction Diffuser	6,364.97	57.33
		For Work In Restricted Working Space, Add	*25.80*	
23 21 13 23-2052	EA	5" Grooved x 5" Flanged Suction Diffuser	6,688.38	60.56
		For Work In Restricted Working Space, Add	*27.23*	
23 21 13 23-2053	EA	6" Grooved x 4" Flanged Suction Diffuser	6,795.05	66.89
		For Work In Restricted Working Space, Add	*30.10*	
23 21 13 23-2054	EA	6" Grooved x 5" Flanged Suction Diffuser	8,118.38	73.34
		For Work In Restricted Working Space, Add	*32.97*	
23 21 13 23-2055	EA	6" Grooved x 6" Flanged Suction Diffuser	8,432.33	78.11
		For Work In Restricted Working Space, Add	*35.12*	
23 21 13 23-2056	EA	8" Grooved x 5" Flanged Suction Diffuser	8,652.26	81.22
		For Work In Restricted Working Space, Add	*36.55*	
23 21 13 23-2057	EA	8" Grooved x 6" Flanged Suction Diffuser	9,131.43	90.77
		For Work In Restricted Working Space, Add	*40.85*	
23 21 13 23-2058	EA	8" Grooved x 8" Flanged Suction Diffuser	15,627.85	98.78
		For Work In Restricted Working Space, Add	*44.43*	
23 21 13 23-2059	EA	10" Grooved x 8" Flanged Suction Diffuser	17,627.58	106.78
		For Work In Restricted Working Space, Add	*48.19*	
23 21 13 23-2060	EA	10" Grooved x 10" Flanged Suction Diffuser	21,213.80	110.72
		For Work In Restricted Working Space, Add	*49.79*	
23 21 13 23-2061	EA	12" Grooved x 10" Flanged Suction Diffuser	25,104.59	127.44
		For Work In Restricted Working Space, Add	*57.17*	
23 21 13 23-2062	EA	12" Grooved x 12" Flanged Suction Diffuser	34,857.02	135.45
		For Work In Restricted Working Space, Add	*60.90*	
23 21 13 23-2063	EA	14" Grooved x 10" Flanged Suction Diffuser	32,454.67	135.45
		For Work In Restricted Working Space, Add	*61.02*	
23 21 13 23-2064	EA	14" Grooved x 12" Flanged Suction Diffuser	36,247.59	147.39
		For Work In Restricted Working Space, Add	*66.21*	
23 21 13 23-2065	EA	14" Grooved x 14" Flanged Suction Diffuser	43,983.51	156.11
		For Work In Restricted Working Space, Add	*70.04*	
23 21 13 23-2066	EA	16" Grooved x 14" Flanged Suction Diffuser	45,280.90	164.11
		For Work In Restricted Working Space, Add	*73.91*	

23 21 13 23-2067 Grooved Steel Valves *(23 21 13 23-1529)*

23 21 13 23-2068 Grooved Butterfly Valves With Standard Trim *(23 21 13 23-2067)*

23 21 13 23-2069	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	291.73	13.02
		For Work In Restricted Working Space, Add	*5.86*	
23 21 13 23-2070	EA	2" Butterfly Valve, Grooved, With Standard Trim	297.89	17.08
		For Work In Restricted Working Space, Add	*7.70*	
23 21 13 23-2071	EA	3" Butterfly Valve, Grooved, With Standard Trim	488.48	25.33
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2072	EA	4" Butterfly Valve, Grooved, With Standard Trim	656.04	33.33
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-2073	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,429.93	54.59
		For Work In Restricted Working Space, Add	*24.56*	
23 21 13 23-2074	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,981.77	76.80
		For Work In Restricted Working Space, Add	*34.56*	
23 21 13 23-2075	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,974.83	103.80
		For Work In Restricted Working Space, Add	*46.66*	

23 21 13 23-2076 Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-2067)*

23 21 13 23-2077	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	437.55	13.02
		For Work In Restricted Working Space, Add	*5.86*	
23 21 13 23-2078	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	443.71	17.08
		For Work In Restricted Working Space, Add	*7.70*	
23 21 13 23-2079	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	686.15	25.33
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2080	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	873.16	33.33
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-2081	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,669.73	54.59
		For Work In Restricted Working Space, Add	*24.56*	
23 21 13 23-2082	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,772.47	76.80
		For Work In Restricted Working Space, Add	*34.56*	
23 21 13 23-2083	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,368.27	103.80
		For Work In Restricted Working Space, Add	*46.66*	

23 21 13 23-2084 Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-2067)*

Note: Victaulic No. 721

23 21 13 23-2085	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	246.40	12.78
		For Work In Restricted Working Space, Add	*5.86*	
23 21 13 23-2086	EA	2" Ball Valve, Grooved, With Standard Trim	282.53	17.55
		For Work In Restricted Working Space, Add	*7.70*	
23 21 13 23-2087	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	642.86	21.50
		For Work In Restricted Working Space, Add	*9.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2088	EA	3" Ball Valve, Grooved, With Standard Trim	1,053.03	25.44
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2089	EA	4" Ball Valve, Grooved, With Standard Trim	1,639.10	33.44
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-2090	EA	6" Ball Valve, Grooved, With Standard Trim	5,090.56	54.94
		For Work In Restricted Working Space, Add	*24.56*	

23 21 13 23-2091 Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-2067)*

Note: Victaulic No. 721

23 21 13 23-2092	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	262.37	12.78
		For Work In Restricted Working Space, Add	*5.86*	
23 21 13 23-2093	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	448.32	17.55
		For Work In Restricted Working Space, Add	*7.70*	
23 21 13 23-2094	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,165.63	21.50
		For Work In Restricted Working Space, Add	*9.67*	
23 21 13 23-2095	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,507.08	25.44
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2096	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,058.69	33.44
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-2097	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,610.49	54.94
		For Work In Restricted Working Space, Add	*24.56*	

23 21 13 23-2098 Grooved Check Valves *(23 21 13 23-2067)*

Note: Victaulic No. 712

23 21 13 23-2099	EA	2" Check Valve, Grooved	373.80	17.55
		For Work In Restricted Working Space, Add	*7.70*	
23 21 13 23-2100	EA	2-1/2" Check Valve, Grooved	606.00	21.50
		For Work In Restricted Working Space, Add	*9.67*	
23 21 13 23-2101	EA	3" Check Valve, Grooved	706.14	25.44
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2102	EA	4" Check Valve, Grooved	1,000.61	33.44
		For Work In Restricted Working Space, Add	*15.02*	

23 21 13 23-2103 Grooved Vic-Check Check Valves *(23 21 13 23-2067)*

Note: Victaulic No. 716

23 21 13 23-2104	EA	2-1/2" "Vic-Check" Check Valve, Grooved	484.76	21.50
		For Work In Restricted Working Space, Add	*9.67*	
23 21 13 23-2105	EA	3" "Vic-Check" Check Valve, Grooved	490.57	25.44
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2106	EA	4" "Vic-Check" Check Valve, Grooved	614.97	33.44
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-2107	EA	6" "Vic-Check" Check Valve, Grooved	1,197.62	54.94
		For Work In Restricted Working Space, Add	*24.56*	
23 21 13 23-2108	EA	8" "Vic-Check" Check Valve, Grooved	1,638.87	76.44
		For Work In Restricted Working Space, Add	*34.16*	
23 21 13 23-2109	EA	10" "Vic-Check" Check Valve, Grooved	4,567.38	103.56
		For Work In Restricted Working Space, Add	*46.27*	
23 21 13 23-2110	EA	12" "Vic-Check" Check Valve, Grooved	5,408.23	119.56
		For Work In Restricted Working Space, Add	*53.39*	

23 21 13 23-2111 Grooved Plug Valves With Lever Operator *(23 21 13 23-2067)*

Note: Victaulic No. 377

23 21 13 23-2112	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	1,380.71	25.44
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2113	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	1,527.52	33.44
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-2114	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	2,731.74	54.94
		For Work In Restricted Working Space, Add	*24.56*	

23 21 13 23-2115 Grooved Plug Valve With Gear Operator *(23 21 13 23-2067)*

Note: Victaulic No. 377

23 21 13 23-2116	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	2,463.56	25.44
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2117	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	2,610.46	33.44
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-2118	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	3,814.69	54.94
		For Work In Restricted Working Space, Add	*24.56*	
23 21 13 23-2119	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	5,100.13	76.44
		For Work In Restricted Working Space, Add	*34.16*	
23 21 13 23-2120	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	8,017.56	103.56
		For Work In Restricted Working Space, Add	*46.27*	
23 21 13 23-2121	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	11,631.48	119.56
		For Work In Restricted Working Space, Add	*53.39*	

23 21 13 23-2122 Prepare Pipe For Groove *(23 21 13 23-1529)*

23 21 13 23-2123 Cut Grooved Pipe *(23 21 13 23-2122)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2124	EA	Cut 3/4" Groove Pipe	12.51	
		For Work In Restricted Working Space, Add	*3.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2125	EA	Cut 1" Groove Pipe	13.59	
		For Work In Restricted Working Space, Add	*4.08*	
23 21 13 23-2126	EA	Cut 1-1/4" Groove Pipe	15.34	
		For Work In Restricted Working Space, Add	*4.60*	
23 21 13 23-2127	EA	Cut 1-1/2" Groove Pipe	16.68	
		For Work In Restricted Working Space, Add	*5.00*	
23 21 13 23-2128	EA	Cut 2" Groove Pipe	18.29	
		For Work In Restricted Working Space, Add	*5.49*	
23 21 13 23-2129	EA	Cut 2-1/2" Groove Pipe	19.81	
		For Work In Restricted Working Space, Add	*5.94*	
23 21 13 23-2130	EA	Cut 3" Groove Pipe	21.61	
		For Work In Restricted Working Space, Add	*6.48*	
23 21 13 23-2131	EA	Cut 3-1/2" Groove Pipe	22.91	
		For Work In Restricted Working Space, Add	*6.87*	
23 21 13 23-2132	EA	Cut 4" Groove Pipe	24.38	
		For Work In Restricted Working Space, Add	*7.31*	
23 21 13 23-2133	EA	Cut 5" Groove Pipe	26.41	
		For Work In Restricted Working Space, Add	*7.92*	
23 21 13 23-2134	EA	Cut 6" Groove Pipe	27.17	
		For Work In Restricted Working Space, Add	*8.15*	
23 21 13 23-2135	EA	Cut 8" Groove Pipe	35.22	
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2136	EA	Cut 10" Groove Pipe	50.05	
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-2137	EA	Cut 12" Groove Pipe	63.39	
		For Work In Restricted Working Space, Add	*19.02*	
23 21 13 23-2138	EA	Cut 14" Groove Pipe	95.09	
		For Work In Restricted Working Space, Add	*28.53*	
23 21 13 23-2139	EA	Cut 16" Groove Pipe	100.10	
		For Work In Restricted Working Space, Add	*30.03*	
23 21 13 23-2140	EA	Cut 18" Groove Pipe	105.66	
		For Work In Restricted Working Space, Add	*31.70*	
23 21 13 23-2141	EA	Cut 20" Groove Pipe	111.88	
		For Work In Restricted Working Space, Add	*33.56*	
23 21 13 23-2142	EA	Cut 24" Groove Pipe	126.80	
		For Work In Restricted Working Space, Add	*38.04*	

23 21 13 23-2143 Roll Grooved Pipe *(23 21 13 23-2122)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2144	EA	Roll 3/4" Groove	7.15	
		For Work In Restricted Working Space, Add	*2.15*	
23 21 13 23-2145	EA	Roll 1" Groove	8.34	
		For Work In Restricted Working Space, Add	*2.50*	
23 21 13 23-2146	EA	Roll 1-1/4" Groove	9.51	
		For Work In Restricted Working Space, Add	*2.85*	
23 21 13 23-2147	EA	Roll 1-1/2" Groove	10.69	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-2148	EA	Roll 2" Groove	16.40	
		For Work In Restricted Working Space, Add	*4.92*	
23 21 13 23-2149	EA	Roll 2-1/2" Groove	17.29	
		For Work In Restricted Working Space, Add	*5.19*	
23 21 13 23-2150	EA	Roll 3" Groove	19.02	
		For Work In Restricted Working Space, Add	*5.71*	
23 21 13 23-2151	EA	Roll 3-1/2" Groove	20.23	
		For Work In Restricted Working Space, Add	*6.07*	
23 21 13 23-2152	EA	Roll 4" Groove	22.11	
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-2153	EA	Roll 5" Groove	22.64	
		For Work In Restricted Working Space, Add	*6.79*	
23 21 13 23-2154	EA	Roll 6" Groove	23.78	
		For Work In Restricted Working Space, Add	*7.13*	
23 21 13 23-2155	EA	Roll 8" Groove	28.82	
		For Work In Restricted Working Space, Add	*8.65*	
23 21 13 23-2156	EA	Roll 10" Groove	32.79	
		For Work In Restricted Working Space, Add	*9.84*	
23 21 13 23-2157	EA	Roll 12" Groove	41.35	
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-2158	EA	Roll 14" Groove	63.39	
		For Work In Restricted Working Space, Add	*19.02*	
23 21 13 23-2159	EA	Roll 16" Groove	67.92	
		For Work In Restricted Working Space, Add	*20.38*	
23 21 13 23-2160	EA	Roll 18" Groove	70.44	
		For Work In Restricted Working Space, Add	*21.13*	
23 21 13 23-2161	EA	Roll 20" Groove	76.08	
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-2162	EA	Roll 24" Groove	82.69	
		For Work In Restricted Working Space, Add	*24.81*	

23 21 13 23-2163 Standard Gaskets *(23 21 13 23-2122)*

Note: For use on replacement of existing gaskets.

23 21 13 23-2164	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	15.06	
		For Work In Restricted Working Space, Add	*1.49*	
23 21 13 23-2165	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	16.06	
		For Work In Restricted Working Space, Add	*1.79*	
23 21 13 23-2166	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.00	
		For Work In Restricted Working Space, Add	*1.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2167	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	18.75	
		For Work In Restricted Working Space, Add	*2.24*	
23 21 13 23-2168	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	19.46	
		For Work In Restricted Working Space, Add	*2.45*	
23 21 13 23-2169	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	22.26	
		For Work In Restricted Working Space, Add	*2.56*	
23 21 13 23-2170	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.54	
		For Work In Restricted Working Space, Add	*2.89*	
23 21 13 23-2171	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	29.51	
		For Work In Restricted Working Space, Add	*3.14*	
23 21 13 23-2172	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	30.09	
		For Work In Restricted Working Space, Add	*3.32*	
23 21 13 23-2173	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	36.23	
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2174	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.82	
		For Work In Restricted Working Space, Add	*3.59*	
23 21 13 23-2175	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	52.03	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2176	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	64.15	
		For Work In Restricted Working Space, Add	*4.98*	
23 21 13 23-2177	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	76.59	
		For Work In Restricted Working Space, Add	*6.40*	
23 21 13 23-2178	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	107.83	
		For Work In Restricted Working Space, Add	*9.43*	
23 21 13 23-2179	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	139.77	
		For Work In Restricted Working Space, Add	*10.18*	
23 21 13 23-2180	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	162.96	
		For Work In Restricted Working Space, Add	*10.54*	
23 21 13 23-2181	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	233.98	
		For Work In Restricted Working Space, Add	*11.20*	
23 21 13 23-2182	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	316.00	
		For Work In Restricted Working Space, Add	*12.80*	

23 21 13 23-2183 Copper Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-2184 Grooved Fittings *(23 21 13 23-2183)*

23 21 13 23-2185 Grooved 90 Degree Elbows *(23 21 13 23-2184)*

23 21 13 23-2186	EA	2" Copper 90 Degree Elbow, Grooved	158.01	19.47
		For Work In Restricted Working Space, Add	*11.71*	
23 21 13 23-2187	EA	2-1/2" Copper 90 Degree Elbow, Grooved	176.31	23.77
		For Work In Restricted Working Space, Add	*14.27*	
23 21 13 23-2188	EA	3" Copper 90 Degree Elbow, Grooved	238.02	28.79
		For Work In Restricted Working Space, Add	*17.29*	
23 21 13 23-2189	EA	4" Copper 90 Degree Elbow, Grooved	490.09	37.98
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-2190	EA	5" Copper 90 Degree Elbow, Grooved	1,268.61	47.54
		For Work In Restricted Working Space, Add	*28.53*	
23 21 13 23-2191	EA	6" Copper 90 Degree Elbow, Grooved	1,997.17	62.23
		For Work In Restricted Working Space, Add	*37.32*	
23 21 13 23-2192	EA	8" Copper 90 Degree Elbow, Grooved	3,663.85	74.05
		For Work In Restricted Working Space, Add	*44.44*	

23 21 13 23-2193 Grooved 45 Degree Elbows *(23 21 13 23-2184)*

23 21 13 23-2194	EA	2" Copper 45 Degree Elbow, Grooved	158.01	19.47
		For Work In Restricted Working Space, Add	*11.71*	
23 21 13 23-2195	EA	2-1/2" Copper 45 Degree Elbow, Grooved	176.31	23.77
		For Work In Restricted Working Space, Add	*14.27*	
23 21 13 23-2196	EA	3" Copper 45 Degree Elbow, Grooved	238.02	28.79
		For Work In Restricted Working Space, Add	*17.29*	
23 21 13 23-2197	EA	4" Copper 45 Degree Elbow, Grooved	490.09	37.98
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-2198	EA	5" Copper 45 Degree Elbow, Grooved	1,268.61	47.54
		For Work In Restricted Working Space, Add	*28.53*	
23 21 13 23-2199	EA	6" Copper 45 Degree Elbow, Grooved	1,997.17	62.23
		For Work In Restricted Working Space, Add	*37.32*	
23 21 13 23-2200	EA	8" Copper 45 Degree Elbow, Grooved	3,663.85	74.05
		For Work In Restricted Working Space, Add	*44.44*	

23 21 13 23-2201 Grooved Tees *(23 21 13 23-2184)*

23 21 13 23-2202	EA	2" Copper Tee, Grooved	252.46	28.67
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-2203	EA	2-1/2" Copper Tee, Grooved	277.43	35.23
		For Work In Restricted Working Space, Add	*21.13*	
23 21 13 23-2204	EA	3" Copper Tee, Grooved	394.50	43.24
		For Work In Restricted Working Space, Add	*25.94*	
23 21 13 23-2205	EA	4" Copper Tee, Grooved	787.21	55.90
		For Work In Restricted Working Space, Add	*33.56*	
23 21 13 23-2206	EA	5" Copper Tee, Grooved	3,118.06	73.10
		For Work In Restricted Working Space, Add	*43.89*	
23 21 13 23-2207	EA	6" Copper Tee, Grooved	2,517.55	91.49
		For Work In Restricted Working Space, Add	*54.89*	
23 21 13 23-2208	EA	8" Copper Tee, Grooved	4,390.93	111.08
		For Work In Restricted Working Space, Add	*66.65*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2209		**Grooved Reducing Tees** *(23 21 13 23-2184)*		
23 21 13 23-2210	EA	2-1/2" Copper Tee, Reducing, Grooved	379.02	35.23
		For Work In Restricted Working Space, Add	*21.13*	
23 21 13 23-2211	EA	3" Copper Tee, Reducing, Grooved	610.20	43.24
		For Work In Restricted Working Space, Add	*25.94*	
23 21 13 23-2212	EA	4" Copper Tee, Reducing, Grooved	999.10	56.02
		For Work In Restricted Working Space, Add	*33.56*	
23 21 13 23-2213	EA	5" Copper Tee, Reducing, Grooved	2,854.14	73.22
		For Work In Restricted Working Space, Add	*43.89*	
23 21 13 23-2214	EA	6" Copper Tee, Reducing, Grooved	3,488.97	91.49
		For Work In Restricted Working Space, Add	*54.89*	
23 21 13 23-2215		**Grooved X Cup Reducing Tees** *(23 21 13 23-2184)*		
23 21 13 23-2216	EA	2" Copper Tee, Reducing, Grooved X Cup	306.79	28.67
		For Work In Restricted Working Space, Add	*17.22*	
23 21 13 23-2217	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	380.13	35.23
		For Work In Restricted Working Space, Add	*21.13*	
23 21 13 23-2218	EA	3" Copper Tee, Reducing, Grooved X Cup	659.09	43.24
		For Work In Restricted Working Space, Add	*25.94*	
23 21 13 23-2219	EA	4" Copper Tee, Reducing, Grooved X Cup	999.10	55.90
		For Work In Restricted Working Space, Add	*33.56*	
23 21 13 23-2220		**Grooved Flanged Adapter Nipples** *(23 21 13 23-2184)*		
23 21 13 23-2221	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	555.74	21.14
		For Work In Restricted Working Space, Add	*12.73*	
23 21 13 23-2222	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	585.94	25.68
		For Work In Restricted Working Space, Add	*15.42*	
23 21 13 23-2223	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	621.34	30.70
		For Work In Restricted Working Space, Add	*18.41*	
23 21 13 23-2224	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	696.59	41.33
		For Work In Restricted Working Space, Add	*24.81*	
23 21 13 23-2225	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	925.33	50.05
		For Work In Restricted Working Space, Add	*30.03*	
23 21 13 23-2226	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,033.20	67.60
		For Work In Restricted Working Space, Add	*40.57*	
23 21 13 23-2227		**Grooved Concentric Reducers** *(23 21 13 23-2184)*		
23 21 13 23-2228	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	214.19	21.74
		For Work In Restricted Working Space, Add	*13.08*	
23 21 13 23-2229	EA	3" x 2" Copper Concentric Reducer, Grooved	218.98	24.25
		For Work In Restricted Working Space, Add	*14.51*	
23 21 13 23-2230	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	228.24	28.79
		For Work In Restricted Working Space, Add	*17.29*	
23 21 13 23-2231	EA	4" x 2" Copper Concentric Reducer, Grooved	406.76	29.02
		For Work In Restricted Working Space, Add	*17.38*	
23 21 13 23-2232	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	410.94	31.05
		For Work In Restricted Working Space, Add	*18.64*	
23 21 13 23-2233	EA	4" x 3" Copper Concentric Reducer, Grooved	415.71	33.44
		For Work In Restricted Working Space, Add	*20.07*	
23 21 13 23-2234	EA	5" x 3" Copper Concentric Reducer, Grooved	1,057.65	38.22
		For Work In Restricted Working Space, Add	*22.94*	
23 21 13 23-2235	EA	5" x 4" Copper Concentric Reducer, Grooved	1,067.20	43.00
		For Work In Restricted Working Space, Add	*25.80*	
23 21 13 23-2236	EA	6" x 3" Copper Concentric Reducer, Grooved	1,152.93	45.39
		For Work In Restricted Working Space, Add	*27.23*	
23 21 13 23-2237	EA	6" x 4" Copper Concentric Reducer, Grooved	1,162.49	50.17
		For Work In Restricted Working Space, Add	*30.10*	
23 21 13 23-2238	EA	6" x 5" Copper Concentric Reducer, Grooved	1,172.05	54.94
		For Work In Restricted Working Space, Add	*32.97*	
23 21 13 23-2239	EA	8" x 6" Copper Concentric Reducer, Grooved	2,000.24	68.08
		For Work In Restricted Working Space, Add	*40.85*	
23 21 13 23-2240		**Grooved X Cup Concentric Reducers** *(23 21 13 23-2184)*		
23 21 13 23-2241	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	171.73	15.29
		For Work In Restricted Working Space, Add	*9.14*	
23 21 13 23-2242	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	172.92	15.88
		For Work In Restricted Working Space, Add	*9.50*	
23 21 13 23-2243	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	176.57	17.68
		For Work In Restricted Working Space, Add	*10.59*	
23 21 13 23-2244	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	206.90	17.08
		For Work In Restricted Working Space, Add	*10.24*	
23 21 13 23-2245	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	208.08	17.68
		For Work In Restricted Working Space, Add	*10.59*	
23 21 13 23-2246	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	211.59	19.47
		For Work In Restricted Working Space, Add	*11.64*	
23 21 13 23-2247	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	216.37	21.74
		For Work In Restricted Working Space, Add	*13.08*	
23 21 13 23-2248	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	258.18	21.74
		For Work In Restricted Working Space, Add	*13.08*	
23 21 13 23-2249	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	262.97	24.25
		For Work In Restricted Working Space, Add	*14.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2250	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	456.20	28.91
		For Work In Restricted Working Space, Add	*17.38*	

23 21 13 23-2251 Grooved Standard Couplings *(23 21 13 23-2184)*

23 21 13 23-2252	EA	2" Copper Standard Coupling, Grooved	60.54	9.79
		For Work In Restricted Working Space, Add	*5.86*	
23 21 13 23-2253	EA	2-1/2" Copper Standard Coupling, Grooved	70.80	11.95
		For Work In Restricted Working Space, Add	*7.13*	
23 21 13 23-2254	EA	3" Copper Standard Coupling, Grooved	80.14	14.21
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-2255	EA	4" Copper Standard Coupling, Grooved	117.25	19.11
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2256	EA	5" Copper Standard Coupling, Grooved	182.30	23.77
		For Work In Restricted Working Space, Add	*14.27*	
23 21 13 23-2257	EA	6" Copper Standard Coupling, Grooved	240.19	31.05
		For Work In Restricted Working Space, Add	*18.66*	
23 21 13 23-2258	EA	8" Copper Standard Coupling, Grooved	351.13	37.02
		For Work In Restricted Working Space, Add	*22.22*	

23 21 13 23-2259 Grooved Caps *(23 21 13 23-2184)*

23 21 13 23-2260	EA	2" Copper Cap, Grooved	101.54	9.79
		For Work In Restricted Working Space, Add	*5.86*	
23 21 13 23-2261	EA	2-1/2" Copper Cap, Grooved	145.49	11.95
		For Work In Restricted Working Space, Add	*7.13*	
23 21 13 23-2262	EA	3" Copper Cap, Grooved	179.42	14.21
		For Work In Restricted Working Space, Add	*8.52*	
23 21 13 23-2263	EA	4" Copper Cap, Grooved	264.60	18.99
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2264	EA	5" Copper Cap, Grooved	449.25	23.77
		For Work In Restricted Working Space, Add	*14.27*	
23 21 13 23-2265	EA	6" Copper Cap, Grooved	524.56	31.05
		For Work In Restricted Working Space, Add	*18.66*	

23 21 13 23-2266 Grooved Valves *(23 21 13 23-2183)*

23 21 13 23-2267 Grooved Butterfly Valves, Standard Trim, Without Operator *(23 21 13 23-2266)*

Note: Copper body.

23 21 13 23-2268	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	481.18	12.78
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
		For Work In Restricted Working Space, Add	*7.70*	
23 21 13 23-2269	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	548.23	18.99
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2270	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	724.67	24.96
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-2271	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	968.58	40.97
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
		For Work In Restricted Working Space, Add	*24.56*	
23 21 13 23-2272	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,070.42	57.57
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
		For Work In Restricted Working Space, Add	*34.56*	

23 21 13 23-2273 Grooved Butterfly Valves, Standard Trim, With Operator *(23 21 13 23-2266)*

Note: Copper body.

23 21 13 23-2274	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	587.24	12.78
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
		For Work In Restricted Working Space, Add	*7.70*	
23 21 13 23-2275	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	654.36	18.99
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
		For Work In Restricted Working Space, Add	*11.41*	
23 21 13 23-2276	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	830.80	24.96
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
		For Work In Restricted Working Space, Add	*15.02*	
23 21 13 23-2277	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,074.78	40.97
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
		For Work In Restricted Working Space, Add	*24.56*	
23 21 13 23-2278	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,176.55	57.57
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
		For Work In Restricted Working Space, Add	*34.56*	

23 21 13 23-2279 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23)*

Note: Socket or back weld.

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2280				Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2279)*		
				Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2281				Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2280)*		
23 21 13 23-2282			LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.55	3.41
				For Work In Restricted Working Space, Add	*1.54*	
23 21 13 23-2283			LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.95	4.27
				For Work In Restricted Working Space, Add	*1.92*	
23 21 13 23-2284			LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.61	4.55
				For Work In Restricted Working Space, Add	*2.05*	
23 21 13 23-2285			LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.39	4.90
				For Work In Restricted Working Space, Add	*2.21*	
23 21 13 23-2286			LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.66	4.98
				For Work In Restricted Working Space, Add	*2.24*	
23 21 13 23-2287			LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.56	5.96
				For Work In Restricted Working Space, Add	*2.69*	
23 21 13 23-2288			LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	13.18	7.09
				For Work In Restricted Working Space, Add	*3.19*	
23 21 13 23-2289			LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	16.16	8.57
				For Work In Restricted Working Space, Add	*3.85*	
23 21 13 23-2290			LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	24.05	12.84
				For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2291			LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	34.04	17.13
				For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2292			LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	43.31	20.41
				For Work In Restricted Working Space, Add	*9.19*	
23 21 13 23-2293			LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	72.98	22.80
				For Work In Restricted Working Space, Add	*10.25*	
23 21 13 23-2294				Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2280)*		
23 21 13 23-2295			EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.14	12.90
				For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2296			EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	26.91	17.08
				For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2297			EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	34.03	21.26
				For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2298			EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	49.08	30.10
				For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2299			EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	55.09	33.92
				For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2300			EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	71.28	43.12
				For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2301			EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	115.96	63.78
				For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2302			EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	150.24	83.85
				For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2303			EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	193.09	99.61
				For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2304			EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	275.47	113.82
				For Work In Restricted Working Space, Add	*51.19*	
23 21 13 23-2305			EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	469.01	132.82
				For Work In Restricted Working Space, Add	*59.72*	
23 21 13 23-2306			EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	701.34	198.03
				For Work In Restricted Working Space, Add	*89.05*	
23 21 13 23-2307				Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2280)*		
23 21 13 23-2308			EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	20.58	12.90
				For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2309			EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	27.78	17.08
				For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2310			EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	35.25	21.26
				For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2311			EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	49.87	30.10
				For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2312			EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	56.84	33.92
				For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2313			EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	72.41	43.12
				For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2314			EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	115.96	63.78
				For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2315			EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	157.56	83.85
				For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2316			EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	206.44	99.61
				For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2317			EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	276.69	113.82
				For Work In Restricted Working Space, Add	*51.19*	
23 21 13 23-2318			EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	454.27	132.82
				For Work In Restricted Working Space, Add	*59.72*	
23 21 13 23-2319			EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	701.34	198.03
				For Work In Restricted Working Space, Add	*89.05*	
23 21 13 23-2320				Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2280)*		
23 21 13 23-2321			EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	32.90	21.26
				For Work In Restricted Working Space, Add	*9.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2322	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	39.66	25.68
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-2323	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	53.00	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2324	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	68.05	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2325	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	81.33	51.36
		For Work In Restricted Working Space, Add	*23.12*	
23 21 13 23-2326	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	101.74	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2327	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	146.31	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2328	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	176.26	99.61
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2329	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	247.91	132.82
		For Work In Restricted Working Space, Add	*59.72*	
23 21 13 23-2330	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	421.53	171.28
		For Work In Restricted Working Space, Add	*77.06*	
23 21 13 23-2331	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	700.52	212.49
		For Work In Restricted Working Space, Add	*95.55*	
23 21 13 23-2332	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,970.83	317.47
		For Work In Restricted Working Space, Add	*142.80*	

23 21 13 23-2333 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2280)*

23 21 13 23-2334	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	41.45	26.51
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-2335	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	49.94	32.13
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2336	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	66.96	42.40
		For Work In Restricted Working Space, Add	*19.06*	
23 21 13 23-2337	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	86.18	53.87
		For Work In Restricted Working Space, Add	*24.21*	
23 21 13 23-2338	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	103.02	64.26
		For Work In Restricted Working Space, Add	*28.90*	
23 21 13 23-2339	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	129.15	79.67
		For Work In Restricted Working Space, Add	*35.83*	
23 21 13 23-2340	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	189.43	104.87
		For Work In Restricted Working Space, Add	*47.15*	
23 21 13 23-2341	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	228.87	124.45
		For Work In Restricted Working Space, Add	*55.99*	
23 21 13 23-2342	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	325.41	166.02
		For Work In Restricted Working Space, Add	*74.65*	
23 21 13 23-2343	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	579.07	214.04
		For Work In Restricted Working Space, Add	*96.28*	
23 21 13 23-2344	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	996.76	265.39
		For Work In Restricted Working Space, Add	*119.38*	
23 21 13 23-2345	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,938.59	397.02
		For Work In Restricted Working Space, Add	*178.59*	

23 21 13 23-2346 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2280)*

23 21 13 23-2347	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	20.76	13.14
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2348	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	27.24	16.84
		For Work In Restricted Working Space, Add	*7.67*	
23 21 13 23-2349	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	36.36	22.58
		For Work In Restricted Working Space, Add	*10.25*	
23 21 13 23-2350	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	44.89	28.07
		For Work In Restricted Working Space, Add	*12.79*	
23 21 13 23-2351	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	55.13	33.80
		For Work In Restricted Working Space, Add	*15.39*	
23 21 13 23-2352	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	77.26	46.94
		For Work In Restricted Working Space, Add	*21.35*	
23 21 13 23-2353	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	107.50	64.85
		For Work In Restricted Working Space, Add	*29.50*	
23 21 13 23-2354	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	142.91	80.63
		For Work In Restricted Working Space, Add	*36.67*	
23 21 13 23-2355	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	193.56	93.88
		For Work In Restricted Working Space, Add	*42.66*	
23 21 13 23-2356	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	459.68	108.45
		For Work In Restricted Working Space, Add	*49.29*	
23 21 13 23-2357	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	548.28	145.48
		For Work In Restricted Working Space, Add	*66.12*	

23 21 13 23-2358 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2280)*

23 21 13 23-2359	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	21.10	12.90
		For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2360	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	27.52	17.08
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2361	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	34.12	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2362	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	48.56	30.10
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2363	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	54.83	33.92
		For Work In Restricted Working Space, Add	*15.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2364	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	70.05	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2365	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	103.49	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2366	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	134.89	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2367	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	169.98	99.61
		For Work In Restricted Working Space, Add	*44.79*	

23 21 13 23-2368 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2280)*

23 21 13 23-2369	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	21.71	12.90
		For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2370	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	28.13	17.08
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2371	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	35.34	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2372	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	49.26	30.10
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2373	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	56.40	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2374	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	71.45	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2375	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	105.06	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2376	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	139.69	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2377	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	167.19	99.61
		For Work In Restricted Working Space, Add	*44.79*	

23 21 13 23-2378 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2280)*

23 21 13 23-2379	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	20.14	12.90
		For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2380	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	26.82	17.08
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2381	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	33.16	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2382	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	47.16	30.10
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2383	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	53.26	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2384	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	67.87	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2385	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	109.94	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2386	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	145.09	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2387	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	181.31	99.61
		For Work In Restricted Working Space, Add	*44.79*	

23 21 13 23-2388 Schedule 40 Polyvinyl Chloride (PVC) P-Traps *(23 21 13 23-2280)*

23 21 13 23-2389	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	32.64	17.55
		For Work In Restricted Working Space, Add	*7.88*	

23 21 13 23-2390 Schedule 40 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2280)*

23 21 13 23-2391	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	19.79	12.90
		For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2392	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	26.39	17.08
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2393	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	33.16	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2394	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	46.81	30.10
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2395	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	52.74	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2396	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	67.52	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2397	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	102.18	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2398	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	136.11	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2399	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	164.40	99.61
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2400	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	218.42	113.82
		For Work In Restricted Working Space, Add	*51.19*	
23 21 13 23-2401	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	288.38	132.82
		For Work In Restricted Working Space, Add	*59.72*	
23 21 13 23-2402	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	623.28	142.37
		For Work In Restricted Working Space, Add	*64.01*	

23 21 13 23-2403 Schedule 40 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2280)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2404	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	38.89	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2405	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	53.27	25.68
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-2406	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	67.30	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2407	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	104.68	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2408	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	118.92	51.36
		For Work In Restricted Working Space, Add	*23.12*	
23 21 13 23-2409	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	151.98	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2410	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	228.12	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2411	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	257.81	99.61
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2412	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	414.23	132.82
		For Work In Restricted Working Space, Add	*59.72*	
23 21 13 23-2413	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	545.17	171.28
		For Work In Restricted Working Space, Add	*77.03*	
23 21 13 23-2414	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	794.19	212.37
		For Work In Restricted Working Space, Add	*95.50*	
23 21 13 23-2415	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,179.62	263.60
		For Work In Restricted Working Space, Add	*118.59*	

23 21 13 23-2416 Schedule 40 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2280)*

23 21 13 23-2417	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	9.48	5.81
		For Work In Restricted Working Space, Add	*2.63*	
23 21 13 23-2418	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	12.44	7.64
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-2419	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	15.73	9.43
		For Work In Restricted Working Space, Add	*4.30*	
23 21 13 23-2420	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	22.47	13.55
		For Work In Restricted Working Space, Add	*6.17*	
23 21 13 23-2421	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	24.96	15.05
		For Work In Restricted Working Space, Add	*6.86*	
23 21 13 23-2422	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	31.58	19.23
		For Work In Restricted Working Space, Add	*8.72*	
23 21 13 23-2423	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	51.29	28.43
		For Work In Restricted Working Space, Add	*12.90*	
23 21 13 23-2424	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	65.56	37.38
		For Work In Restricted Working Space, Add	*16.97*	
23 21 13 23-2425	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	87.77	44.31
		For Work In Restricted Working Space, Add	*20.16*	
23 21 13 23-2426	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	126.07	50.64
		For Work In Restricted Working Space, Add	*23.04*	
23 21 13 23-2427	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	254.43	59.13
		For Work In Restricted Working Space, Add	*26.88*	
23 21 13 23-2428	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	743.49	88.15
		For Work In Restricted Working Space, Add	*40.07*	

23 21 13 23-2429 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2280)*

23 21 13 23-2430	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges	49.38	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2431	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	65.39	25.68
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-2432	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	80.73	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2433	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	95.35	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2434	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	108.54	51.36
		For Work In Restricted Working Space, Add	*23.12*	
23 21 13 23-2435	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	137.41	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2436	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	190.36	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2437	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	220.65	99.61
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2438	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	289.42	132.82
		For Work In Restricted Working Space, Add	*59.72*	
23 21 13 23-2439	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	398.82	171.28
		For Work In Restricted Working Space, Add	*77.03*	
23 21 13 23-2440	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	638.86	212.37
		For Work In Restricted Working Space, Add	*95.50*	
23 21 13 23-2441	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,117.06	263.25
		For Work In Restricted Working Space, Add	*118.40*	

23 21 13 23-2442 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2279)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2443 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2442)*

23 21 13 23-2444	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.67	3.46
		For Work In Restricted Working Space, Add	*1.54*	
23 21 13 23-2445	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.10	4.30
		For Work In Restricted Working Space, Add	*1.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2446	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.72	5.13
		For Work In Restricted Working Space, Add	*2.30*	
23 21 13 23-2447	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	10.38	5.97
		For Work In Restricted Working Space, Add	*2.69*	
23 21 13 23-2448	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	11.94	6.80
		For Work In Restricted Working Space, Add	*3.08*	
23 21 13 23-2449	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	15.28	8.60
		For Work In Restricted Working Space, Add	*3.85*	
23 21 13 23-2450	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	17.76	9.43
		For Work In Restricted Working Space, Add	*4.24*	
23 21 13 23-2451	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	20.22	10.27
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-2452	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	26.34	12.90
		For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2453	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	39.13	17.08
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2454	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	51.11	20.42
		For Work In Restricted Working Space, Add	*9.19*	
23 21 13 23-2455	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	96.06	21.97
		For Work In Restricted Working Space, Add	*9.90*	

23 21 13 23-2456 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2442)*

23 21 13 23-2457	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	22.41	12.90
		For Work In Restricted Working Space, Add	*5.78*	
		For Threaded Fittings, Add	*2.89*	
23 21 13 23-2458	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	29.79	17.08
		For Work In Restricted Working Space, Add	*7.71*	
		For Threaded Fittings, Add	*3.85*	
23 21 13 23-2459	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	38.48	21.26
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2460	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	53.88	30.10
		For Work In Restricted Working Space, Add	*13.52*	
		For Threaded Fittings, Add	*6.76*	
23 21 13 23-2461	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	60.24	33.92
		For Work In Restricted Working Space, Add	*15.25*	
		For Threaded Fittings, Add	*7.62*	
23 21 13 23-2462	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	75.99	43.12
		For Work In Restricted Working Space, Add	*19.37*	
		For Threaded Fittings, Add	*9.68*	
23 21 13 23-2463	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	122.33	63.78
		For Work In Restricted Working Space, Add	*28.67*	
		For Threaded Fittings, Add	*14.33*	
23 21 13 23-2464	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	155.82	83.85
		For Work In Restricted Working Space, Add	*37.72*	
		For Threaded Fittings, Add	*18.86*	
23 21 13 23-2465	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	195.01	99.61
		For Work In Restricted Working Space, Add	*44.79*	
		For Threaded Fittings, Add	*22.40*	
23 21 13 23-2466	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	335.73	113.82
		For Work In Restricted Working Space, Add	*51.19*	
		For Threaded Fittings, Add	*25.59*	
23 21 13 23-2467	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	557.97	132.82
		For Work In Restricted Working Space, Add	*59.72*	
		For Threaded Fittings, Add	*29.86*	
23 21 13 23-2468	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	701.34	198.03
		For Work In Restricted Working Space, Add	*89.05*	
		For Threaded Fittings, Add	*44.52*	

23 21 13 23-2469 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2442)*

23 21 13 23-2470	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	25.29	12.90
		For Work In Restricted Working Space, Add	*5.78*	
		For Threaded Fittings, Add	*2.89*	
23 21 13 23-2471	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	34.85	17.08
		For Work In Restricted Working Space, Add	*7.71*	
		For Threaded Fittings, Add	*3.85*	
23 21 13 23-2472	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	45.63	21.26
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2473	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	62.69	30.10
		For Work In Restricted Working Space, Add	*13.52*	
		For Threaded Fittings, Add	*6.76*	
23 21 13 23-2474	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	71.58	33.92
		For Work In Restricted Working Space, Add	*15.25*	
		For Threaded Fittings, Add	*7.62*	
23 21 13 23-2475	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	91.51	43.12
		For Work In Restricted Working Space, Add	*19.37*	
		For Threaded Fittings, Add	*9.68*	
23 21 13 23-2476	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	152.25	63.78
		For Work In Restricted Working Space, Add	*28.67*	
		For Threaded Fittings, Add	*14.33*	
23 21 13 23-2477	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	194.72	83.85
		For Work In Restricted Working Space, Add	*37.72*	
		For Threaded Fittings, Add	*18.86*	
23 21 13 23-2478	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	273.60	99.61
		For Work In Restricted Working Space, Add	*44.79*	
		For Threaded Fittings, Add	*22.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2479	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	327.11	113.82
		For Work In Restricted Working Space, Add	*51.19*	
		For Threaded Fittings, Add	*25.59*	
23 21 13 23-2480	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	538.37	132.82
		For Work In Restricted Working Space, Add	*59.72*	
		For Threaded Fittings, Add	*29.86*	
23 21 13 23-2481	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	679.30	198.03
		For Work In Restricted Working Space, Add	*89.05*	
		For Threaded Fittings, Add	*44.52*	

23 21 13 23-2482 Schedule 80 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2442)*

23 21 13 23-2483	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	39.22	20.18
		For Work In Restricted Working Space, Add	*9.07*	
		For Threaded Fittings, Add	*4.54*	
23 21 13 23-2484	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	47.95	25.68
		For Work In Restricted Working Space, Add	*11.56*	
		For Threaded Fittings, Add	*5.78*	
23 21 13 23-2485	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	62.60	33.92
		For Work In Restricted Working Space, Add	*15.25*	
		For Threaded Fittings, Add	*7.62*	
23 21 13 23-2486	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	97.10	43.12
		For Work In Restricted Working Space, Add	*19.37*	
		For Threaded Fittings, Add	*9.68*	
23 21 13 23-2487	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	109.60	51.36
		For Work In Restricted Working Space, Add	*23.12*	
		For Threaded Fittings, Add	*11.56*	
23 21 13 23-2488	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	136.28	63.78
		For Work In Restricted Working Space, Add	*28.67*	
		For Threaded Fittings, Add	*14.33*	
23 21 13 23-2489	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	170.04	83.85
		For Work In Restricted Working Space, Add	*37.72*	
		For Threaded Fittings, Add	*18.86*	
23 21 13 23-2490	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	204.61	99.61
		For Work In Restricted Working Space, Add	*44.79*	
		For Threaded Fittings, Add	*22.40*	
23 21 13 23-2491	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	263.18	132.82
		For Work In Restricted Working Space, Add	*59.72*	
		For Threaded Fittings, Add	*29.86*	
23 21 13 23-2492	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	475.88	171.28
		For Work In Restricted Working Space, Add	*77.06*	
		For Threaded Fittings, Add	*38.53*	
23 21 13 23-2493	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	826.50	212.49
		For Work In Restricted Working Space, Add	*95.55*	
		For Threaded Fittings, Add	*47.78*	
23 21 13 23-2494	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	1,970.93	317.47
		For Work In Restricted Working Space, Add	*142.80*	
		For Threaded Fittings, Add	*71.40*	

23 21 13 23-2495 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2442)*

23 21 13 23-2496	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	51.88	25.20
		For Work In Restricted Working Space, Add	*11.34*	
		For Threaded Fittings, Add	*5.67*	
23 21 13 23-2497	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	62.92	32.13
		For Work In Restricted Working Space, Add	*14.45*	
		For Threaded Fittings, Add	*7.22*	
23 21 13 23-2498	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	81.99	42.40
		For Work In Restricted Working Space, Add	*19.06*	
		For Threaded Fittings, Add	*9.53*	
23 21 13 23-2499	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	131.71	53.87
		For Work In Restricted Working Space, Add	*24.21*	
		For Threaded Fittings, Add	*12.11*	
23 21 13 23-2500	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	147.32	64.26
		For Work In Restricted Working Space, Add	*28.90*	
		For Threaded Fittings, Add	*14.45*	
23 21 13 23-2501	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	183.29	79.67
		For Work In Restricted Working Space, Add	*35.83*	
		For Threaded Fittings, Add	*17.92*	
23 21 13 23-2502	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	226.63	104.87
		For Work In Restricted Working Space, Add	*47.15*	
		For Threaded Fittings, Add	*23.57*	
23 21 13 23-2503	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	273.32	124.45
		For Work In Restricted Working Space, Add	*55.99*	
		For Threaded Fittings, Add	*27.99*	
23 21 13 23-2504	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	349.34	166.02
		For Work In Restricted Working Space, Add	*74.65*	
		For Threaded Fittings, Add	*37.33*	
23 21 13 23-2505	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	664.28	214.04
		For Work In Restricted Working Space, Add	*96.28*	
		For Threaded Fittings, Add	*48.14*	
23 21 13 23-2506	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,194.25	265.39
		For Work In Restricted Working Space, Add	*119.38*	
		For Threaded Fittings, Add	*59.69*	
23 21 13 23-2507	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,938.75	397.02
		For Work In Restricted Working Space, Add	*178.59*	
		For Threaded Fittings, Add	*89.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2508		**Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts** *(23 21 13 23-2442)*		
23 21 13 23-2509	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	27.52	17.08
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2510	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	37.17	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2511	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	53.44	30.10
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2512	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	62.24	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2513	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	80.87	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2514	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	123.81	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2515	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	170.65	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2516	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	211.58	99.61
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2517	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	239.70	113.82
		For Work In Restricted Working Space, Add	*51.19*	
23 21 13 23-2518	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	352.39	132.82
		For Work In Restricted Working Space, Add	*59.72*	
23 21 13 23-2519	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	559.19	154.20
		For Work In Restricted Working Space, Add	*69.38*	
23 21 13 23-2520		**Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts** *(23 21 13 23-2442)*		
23 21 13 23-2521	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	19.88	12.90
		For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2522	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	29.09	17.08
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2523	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	37.17	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2524	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	55.88	30.10
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2525	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	64.43	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2526	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	81.22	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2527	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	130.78	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2528	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	190.97	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2529	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	249.61	99.61
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2530		**Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters** *(23 21 13 23-2442)*		
23 21 13 23-2531	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	26.68	12.90
		For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2532	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	33.89	17.08
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2533	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	46.15	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2534	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	61.82	30.10
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2535	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	74.89	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2536	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	95.96	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2537	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	131.31	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2538	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	165.41	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2539	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	219.87	99.61
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2540		**Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters** *(23 21 13 23-2442)*		
23 21 13 23-2541	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	24.68	12.90
		For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2542	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	33.71	17.08
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2543	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	43.71	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2544	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	64.34	30.10
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2545	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	74.46	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2546	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	105.73	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2547	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	160.61	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2548	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	198.99	83.85
		For Work In Restricted Working Space, Add	*37.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2549	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	275.25	99.61
		For Work In Restricted Working Space, Add	*44.79*	

23 21 13 23-2550 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2442)*

23 21 13 23-2551	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	25.03	12.90
		For Work In Restricted Working Space, Add	*5.78*	
		For Threaded Fittings, Add	*2.89*	
23 21 13 23-2552	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	33.45	17.08
		For Work In Restricted Working Space, Add	*7.71*	
		For Threaded Fittings, Add	*3.85*	
23 21 13 23-2553	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	39.87	21.26
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2554	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	57.37	30.10
		For Work In Restricted Working Space, Add	*13.52*	
		For Threaded Fittings, Add	*6.76*	
23 21 13 23-2555	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	64.08	33.92
		For Work In Restricted Working Space, Add	*15.25*	
		For Threaded Fittings, Add	*7.62*	
23 21 13 23-2556	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	78.69	43.12
		For Work In Restricted Working Space, Add	*19.37*	
		For Threaded Fittings, Add	*9.68*	
23 21 13 23-2557	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	130.52	63.78
		For Work In Restricted Working Space, Add	*28.67*	
		For Threaded Fittings, Add	*14.33*	
23 21 13 23-2558	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	165.94	83.85
		For Work In Restricted Working Space, Add	*37.72*	
		For Threaded Fittings, Add	*18.86*	
23 21 13 23-2559	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	199.72	99.61
		For Work In Restricted Working Space, Add	*44.79*	
		For Threaded Fittings, Add	*22.40*	
23 21 13 23-2560	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	279.04	113.82
		For Work In Restricted Working Space, Add	*51.19*	
		For Threaded Fittings, Add	*25.59*	
23 21 13 23-2561	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	346.64	132.82
		For Work In Restricted Working Space, Add	*59.72*	
		For Threaded Fittings, Add	*29.86*	
23 21 13 23-2562	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	649.45	142.37
		For Work In Restricted Working Space, Add	*64.01*	
		For Threaded Fittings, Add	*32.01*	

23 21 13 23-2563 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2442)*

23 21 13 23-2564	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	44.76	21.26
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2565	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	53.44	25.68
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-2566	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	67.83	33.92
		For Work In Restricted Working Space, Add	*15.25*	
23 21 13 23-2567	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	107.12	43.12
		For Work In Restricted Working Space, Add	*19.37*	
23 21 13 23-2568	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	131.83	51.36
		For Work In Restricted Working Space, Add	*23.12*	
23 21 13 23-2569	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	169.77	63.78
		For Work In Restricted Working Space, Add	*28.67*	
23 21 13 23-2570	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	263.93	83.85
		For Work In Restricted Working Space, Add	*37.72*	
23 21 13 23-2571	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	327.44	99.61
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2572	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	414.75	132.82
		For Work In Restricted Working Space, Add	*59.72*	
23 21 13 23-2573	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	545.17	171.28
		For Work In Restricted Working Space, Add	*77.03*	
23 21 13 23-2574	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	794.19	212.37
		For Work In Restricted Working Space, Add	*95.50*	
23 21 13 23-2575	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,178.99	263.25
		For Work In Restricted Working Space, Add	*118.40*	

23 21 13 23-2576 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions *(23 21 13 23-2442)*

23 21 13 23-2577	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	47.50	26.54
23 21 13 23-2578	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	56.75	30.70
23 21 13 23-2579	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	68.75	36.19
23 21 13 23-2580	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	92.07	43.12
23 21 13 23-2581	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	110.96	51.36
23 21 13 23-2582	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	147.32	63.78
23 21 13 23-2583	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	316.48	123.62
23 21 13 23-2584	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	343.12	137.12

23 21 13 23-2585 Schedule 80 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2442)*

23 21 13 23-2586	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	16.78	5.74
		For Work In Restricted Working Space, Add	*2.60*	
		For Threaded Fittings, Add	*1.30*	
23 21 13 23-2587	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	20.12	7.64
		For Work In Restricted Working Space, Add	*3.47*	
		For Threaded Fittings, Add	*1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2588	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	29.50	9.43
		For Work In Restricted Working Space, Add	*4.30*	
		For Threaded Fittings, Add	*2.15*	
23 21 13 23-2589	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	38.60	13.38
		For Work In Restricted Working Space, Add	*6.08*	
		For Threaded Fittings, Add	*3.04*	
23 21 13 23-2590	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	41.19	15.05
		For Work In Restricted Working Space, Add	*6.86*	
		For Threaded Fittings, Add	*3.43*	
23 21 13 23-2591	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	56.52	19.23
		For Work In Restricted Working Space, Add	*8.72*	
		For Threaded Fittings, Add	*4.36*	
23 21 13 23-2592	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	99.43	28.43
		For Work In Restricted Working Space, Add	*12.90*	
		For Threaded Fittings, Add	*6.45*	
23 21 13 23-2593	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	125.57	37.38
		For Work In Restricted Working Space, Add	*16.97*	
		For Threaded Fittings, Add	*8.49*	
23 21 13 23-2594	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	178.13	44.31
		For Work In Restricted Working Space, Add	*20.16*	
		For Threaded Fittings, Add	*10.08*	
23 21 13 23-2595	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	352.40	50.64
		For Work In Restricted Working Space, Add	*23.04*	
		For Threaded Fittings, Add	*11.52*	
23 21 13 23-2596	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	468.20	59.13
		For Work In Restricted Working Space, Add	*26.88*	
		For Threaded Fittings, Add	*13.44*	
23 21 13 23-2597	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	830.70	88.15
		For Work In Restricted Working Space, Add	*40.07*	
		For Threaded Fittings, Add	*20.04*	

23 21 13 23-2598 Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2442)*

23 21 13 23-2599	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	56.88	21.26
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2600	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	65.39	25.68
		For Work In Restricted Working Space, Add	*11.56*	
		For Threaded Fittings, Add	*5.78*	
23 21 13 23-2601	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	80.74	33.92
		For Work In Restricted Working Space, Add	*15.25*	
		For Threaded Fittings, Add	*7.62*	
23 21 13 23-2602	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	95.35	43.12
		For Work In Restricted Working Space, Add	*19.37*	
		For Threaded Fittings, Add	*9.68*	
23 21 13 23-2603	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	108.55	51.36
		For Work In Restricted Working Space, Add	*23.12*	
		For Threaded Fittings, Add	*11.56*	
23 21 13 23-2604	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	137.41	63.78
		For Work In Restricted Working Space, Add	*28.67*	
		For Threaded Fittings, Add	*14.33*	
23 21 13 23-2605	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	190.36	83.85
		For Work In Restricted Working Space, Add	*37.72*	
		For Threaded Fittings, Add	*18.86*	
23 21 13 23-2606	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	220.65	99.61
		For Work In Restricted Working Space, Add	*44.79*	
		For Threaded Fittings, Add	*22.40*	
23 21 13 23-2607	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	289.43	132.82
		For Work In Restricted Working Space, Add	*59.72*	
		For Threaded Fittings, Add	*29.86*	
23 21 13 23-2608	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	398.83	171.28
		For Work In Restricted Working Space, Add	*77.03*	
		For Threaded Fittings, Add	*38.51*	
23 21 13 23-2609	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	638.86	212.37
		For Work In Restricted Working Space, Add	*95.50*	
		For Threaded Fittings, Add	*47.75*	
23 21 13 23-2610	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,117.06	263.25
		For Work In Restricted Working Space, Add	*118.40*	
		For Threaded Fittings, Add	*59.20*	

23 21 13 23-2611 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2279)*

Note: In place pipe.

23 21 13 23-2612	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.49	
		For Work In Restricted Working Space, Add	*1.95*	
23 21 13 23-2613	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.00	
		For Work In Restricted Working Space, Add	*2.10*	
23 21 13 23-2614	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.88	
		For Work In Restricted Working Space, Add	*2.36*	
23 21 13 23-2615	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.27	
		For Work In Restricted Working Space, Add	*2.48*	
23 21 13 23-2616	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.75	
		For Work In Restricted Working Space, Add	*2.63*	
23 21 13 23-2617	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.63	
		For Work In Restricted Working Space, Add	*2.89*	
23 21 13 23-2618	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	10.37	
		For Work In Restricted Working Space, Add	*3.11*	
23 21 13 23-2619	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	12.25	
		For Work In Restricted Working Space, Add	*3.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2620	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	16.54	
		For Work In Restricted Working Space, Add	*4.96*	
23 21 13 23-2621	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	23.63	
		For Work In Restricted Working Space, Add	*7.09*	
23 21 13 23-2622	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	31.52	
		For Work In Restricted Working Space, Add	*9.46*	
23 21 13 23-2623	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	38.54	
		For Work In Restricted Working Space, Add	*11.56*	

23 21 13 23-2624 Polyvinylidene Fluoride (PVDF), Socket Weld *(23 21 13 23)*

23 21 13 23-2625 Pipe *(23 21 13 23-2624)*

23 21 13 23-2626	LF	1/2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	41.98	3.46
23 21 13 23-2627	LF	3/4" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	56.19	4.30
23 21 13 23-2628	LF	1" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	79.37	4.54
23 21 13 23-2629	LF	1-1/2" Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	111.08	5.01
23 21 13 23-2630	LF	2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	140.76	5.97

23 21 13 23-2631 90 Degree Elbows *(23 21 13 23-2624)*

23 21 13 23-2632	EA	1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	49.50	12.78
23 21 13 23-2633	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	66.10	17.08
23 21 13 23-2634	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	108.85	21.26
23 21 13 23-2635	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	188.71	33.92
23 21 13 23-2636	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	245.97	43.12

23 21 13 23-2637 45 Degree Elbows *(23 21 13 23-2624)*

23 21 13 23-2638	EA	1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	57.13	12.90
23 21 13 23-2639	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	76.83	17.08
23 21 13 23-2640	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	108.85	21.26
23 21 13 23-2641	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	163.00	33.92
23 21 13 23-2642	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	239.18	43.12

23 21 13 23-2643 Tees *(23 21 13 23-2624)*

23 21 13 23-2644	EA	1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	91.75	21.26
23 21 13 23-2645	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	102.11	25.68
23 21 13 23-2646	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	147.74	33.92
23 21 13 23-2647	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	242.92	51.36
23 21 13 23-2648	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	356.64	63.78

23 21 13 23-2649 Reducing Tees *(23 21 13 23-2624)*

23 21 13 23-2650	EA	3/4" x 1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	104.49	23.89
23 21 13 23-2651	EA	1" x 1/2" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	146.06	27.83
23 21 13 23-2652	EA	1" x 3/4" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	149.66	30.22
23 21 13 23-2653	EA	1-1/2" x 1" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	256.64	43.00
23 21 13 23-2654	EA	2" x 1-1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	384.10	57.33

23 21 13 23-2655 Socket Weld Reducing Couplings *(23 21 13 23-2624)*

23 21 13 23-2656	EA	3/4" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	56.31	15.17
23 21 13 23-2657	EA	1" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	72.05	17.55
23 21 13 23-2658	EA	1" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	79.31	19.95
23 21 13 23-2659	EA	1-1/2" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	120.60	23.89
23 21 13 23-2660	EA	1-1/2" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	128.99	26.28
23 21 13 23-2661	EA	1-1/2" x 1" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	131.37	27.83
23 21 13 23-2662	EA	2" x 1-1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	185.12	39.06

23 21 13 23-2663 Male Adapters, Socket Weld X Male Thread *(23 21 13 23-2624)*

23 21 13 23-2664	EA	1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	79.17	12.90
23 21 13 23-2665	EA	3/4" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	101.13	17.08
23 21 13 23-2666	EA	1" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	116.62	21.26
23 21 13 23-2667	EA	1-1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	150.28	33.92
23 21 13 23-2668	EA	2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	203.80	43.00

23 21 13 23-2669 Female Adapters, Socket Weld X Female Thread *(23 21 13 23-2624)*

23 21 13 23-2670	EA	1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	79.17	12.90
23 21 13 23-2671	EA	3/4" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	101.42	17.08
23 21 13 23-2672	EA	1" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	116.62	21.26
23 21 13 23-2673	EA	1-1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	150.28	33.92
23 21 13 23-2674	EA	2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	203.86	43.12

23 21 13 23-2675 Socket Weld Couplings *(23 21 13 23-2624)*

23 21 13 23-2676	EA	1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	40.46	12.90
23 21 13 23-2677	EA	3/4" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	51.97	17.08
23 21 13 23-2678	EA	1" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	67.17	21.26
23 21 13 23-2679	EA	1-1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	124.29	33.92
23 21 13 23-2680	EA	2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	170.52	43.12

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2681		**Socket Weld Unions** *(23 21 13 23-2624)*		
23 21 13 23-2682	EA	1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	163.24	21.26
23 21 13 23-2683	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	195.63	25.68
23 21 13 23-2684	EA	1" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	281.67	33.92
23 21 13 23-2685	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	493.84	51.36
23 21 13 23-2686	EA	2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	608.40	63.78
23 21 13 23-2687		**Caps** *(23 21 13 23-2624)*		
23 21 13 23-2688	EA	1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	30.59	6.41
23 21 13 23-2689	EA	3/4" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	43.22	8.56
23 21 13 23-2690	EA	1" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	54.31	10.58
23 21 13 23-2691	EA	1-1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	96.06	16.92
23 21 13 23-2692	EA	2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	136.23	21.48
23 21 13 23-2693		**150 Lb. Socket Weld Flanges** *(23 21 13 23-2624)*		
23 21 13 23-2694	EA	1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	111.25	21.50
23 21 13 23-2695	EA	3/4" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	140.25	25.44
23 21 13 23-2696	EA	1" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	184.75	34.28
23 21 13 23-2697	EA	1-1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	266.38	51.84
23 21 13 23-2698	EA	2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	420.50	63.78
23 21 13 23-2699		**Polyethylene Pipe And Fittings** *(23 21 13 23)*		
23 21 13 23-2700		**Small Diameter Tubing** *(23 21 13 23-2699)*		
23 21 13 23-2701		**Tubing** *(23 21 13 23-2700)*		
23 21 13 23-2702	LF	1/4" Polyethylene Tubing	3.83	
		For Work In Restricted Working Space, Add	*1.08*	
23 21 13 23-2703	LF	5/16" Polyethylene Tubing	4.10	
		For Work In Restricted Working Space, Add	*1.10*	
23 21 13 23-2704	LF	3/8" Polyethylene Tubing	4.31	
		For Work In Restricted Working Space, Add	*1.13*	
23 21 13 23-2705	LF	1/2" Polyethylene Tubing	4.47	
		For Work In Restricted Working Space, Add	*1.22*	
23 21 13 23-2706		**Female Copper Thread x Straight Compression Connection** *(23 21 13 23-2700)* Note: Ford C04.		
23 21 13 23-2707	EA	3/4" Copper X 3/4" P.E. Straight Compression Connection	30.59	9.08
		For Work In Restricted Working Space, Add	*5.45*	
23 21 13 23-2708	EA	3/4" Copper X 1" P.E. Straight Compression Connection	35.15	10.37
		For Work In Restricted Working Space, Add	*6.23*	
23 21 13 23-2709	EA	1" Copper X 1" P.E. Straight Compression Connection	41.14	11.67
		For Work In Restricted Working Space, Add	*7.01*	
23 21 13 23-2710	EA	1-1/4" Copper X 1" P.E. Straight Compression Connection	47.35	12.33
		For Work In Restricted Working Space, Add	*7.40*	
23 21 13 23-2711	EA	1-1/4" Copper X 1-1/4" P.E. Straight Compression Connection	53.58	12.97
		For Work In Restricted Working Space, Add	*7.79*	
23 21 13 23-2712	EA	1-1/2" Copper X 1-1/2" P.E. Straight Compression Connection	72.55	14.27
		For Work In Restricted Working Space, Add	*8.56*	
23 21 13 23-2713	EA	2" Copper X 2" P.E. Straight Compression Connection	83.59	15.57
		For Work In Restricted Working Space, Add	*9.34*	
23 21 13 23-2714		**Female Copper Thread x Compression Connection** *(23 21 13 23-2700)* Note: Ford L04.		
23 21 13 23-2715	EA	3/4" Copper X 3/4" P.E. Compression Connection	36.10	9.08
		For Work In Restricted Working Space, Add	*5.45*	
23 21 13 23-2716	EA	3/4" Copper X 1" P.E. Compression Connection	42.30	10.37
		For Work In Restricted Working Space, Add	*6.23*	
23 21 13 23-2717	EA	1" Copper X 1" P.E. Compression Connection	50.28	11.67
		For Work In Restricted Working Space, Add	*7.01*	
23 21 13 23-2718	EA	1-1/2" Copper X 1-1/2" P.E. Compression Connection	90.70	14.27
		For Work In Restricted Working Space, Add	*8.56*	
23 21 13 23-2719	EA	2" Copper X 2" P.E. Compression Connection	102.84	15.57
		For Work In Restricted Working Space, Add	*9.34*	
23 21 13 23-2720		**Male Iron Pipe Thread x Straight Compression Connection** *(23 21 13 23-2700)* Note: Ford C84.		
23 21 13 23-2721	EA	3/4" M.I.P. X 3/4" P.E. Straight Compression Connection	32.36	10.37
		For Work In Restricted Working Space, Add	*6.23*	
23 21 13 23-2722	EA	3/4" M.I.P. X 1" P.E. Straight Compression Connection	33.40	10.37
		For Work In Restricted Working Space, Add	*6.23*	
23 21 13 23-2723	EA	1" M.I.P. X 1" P.E. Straight Compression Connection	37.07	11.67
		For Work In Restricted Working Space, Add	*7.01*	
23 21 13 23-2724	EA	1-1/4" M.I.P. X 1-1/4" P.E. Straight Compression Connection	50.00	12.97
		For Work In Restricted Working Space, Add	*7.79*	
23 21 13 23-2725	EA	1-1/2" M.I.P. X 1-1/2" P.E. Straight Compression Connection	62.96	14.27
		For Work In Restricted Working Space, Add	*8.56*	
23 21 13 23-2726	EA	2" M.I.P. X 2" P.E. Straight Compression Connection	81.29	15.57
		For Work In Restricted Working Space, Add	*9.34*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2727			**Male Iron Pipe Thread x Compression Connection** *(23 21 13 23-2700)*		
			Note: Ford L84.		
	23 21 13 23-2728	EA	3/4" M.I.P. X 3/4" P.E. Compression Connection	30.23	10.37
			For Work In Restricted Working Space, Add	*5.45*	
	23 21 13 23-2729	EA	3/4" M.I.P. X 1" P.E. Compression Connection	37.23	10.37
			For Work In Restricted Working Space, Add	*6.23*	
	23 21 13 23-2730	EA	1" M.I.P. X 1" P.E. Compression Connection	44.21	11.67
			For Work In Restricted Working Space, Add	*7.01*	
	23 21 13 23-2731	EA	1-1/2" M.I.P. X 1-1/2" P.E. Compression Connection	84.70	14.27
			For Work In Restricted Working Space, Add	*8.56*	
	23 21 13 23-2732	EA	2" M.I.P. X 2" P.E. Compression Connection	111.61	15.57
			For Work In Restricted Working Space, Add	*9.34*	
23 21 13 23-2733			**Straight Couplings, Compression Connection** *(23 21 13 23-2700)*		
			Note: Ford C44.		
	23 21 13 23-2734	EA	3/4" X 3/4" Compression Connection	32.33	9.08
			For Work In Restricted Working Space, Add	*5.45*	
	23 21 13 23-2735	EA	1" X 1" Compression Connection	38.81	11.67
			For Work In Restricted Working Space, Add	*7.01*	
	23 21 13 23-2736	EA	1-1/4" X 1-1/4" Compression Connection	66.11	12.97
			For Work In Restricted Working Space, Add	*7.79*	
	23 21 13 23-2737	EA	1-1/2" X 1-1/2" Compression Connection	77.99	14.27
			For Work In Restricted Working Space, Add	*8.56*	
	23 21 13 23-2738	EA	2" X 2" Compression Connection	97.92	15.57
			For Work In Restricted Working Space, Add	*9.34*	
23 21 13 23-2739			**Elbow Couplings x Compression Connection** *(23 21 13 23-2700)*		
			Note: Ford L44.		
	23 21 13 23-2740	EA	3/4" X 3/4" Compression Connection	35.56	9.08
			For Work In Restricted Working Space, Add	*5.45*	
	23 21 13 23-2741	EA	1" X 1" Compression Connection	45.70	11.67
			For Work In Restricted Working Space, Add	*7.01*	
	23 21 13 23-2742	EA	1-1/2" X 1-1/2" Compression Connection	97.43	14.27
			For Work In Restricted Working Space, Add	*8.56*	
	23 21 13 23-2743	EA	2" X 2" Compression Connection	170.53	15.57
			For Work In Restricted Working Space, Add	*9.34*	
23 21 13 23-2744			**Stainless Steel Insert Stiffeners** *(23 21 13 23-2700)*		
			Note: Ford insert.		
	23 21 13 23-2745	EA	3/4" Stainless Steel Insert Stiffeners	8.69	2.73
			For Work In Restricted Working Space, Add	*1.62*	
	23 21 13 23-2746	EA	1" Stainless Steel Insert Stiffeners	11.02	3.11
			For Work In Restricted Working Space, Add	*1.87*	
	23 21 13 23-2747	EA	1-1/4" Stainless Steel Insert Stiffeners	15.36	3.37
			For Work In Restricted Working Space, Add	*2.03*	
	23 21 13 23-2748	EA	1-1/2" Stainless Steel Insert Stiffeners	19.08	3.63
			For Work In Restricted Working Space, Add	*2.21*	
	23 21 13 23-2749	EA	2" Stainless Steel Insert Stiffeners	29.24	4.02
			For Work In Restricted Working Space, Add	*2.43*	
23 21 13 23-2750			**Flanged Lead Corporation Stop Coupling** *(23 21 13 23-2700)*		
			Note: Lead flange x copper tube thread (Mueller)		
	23 21 13 23-2751	EA	3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	62.84	15.57
			For Work In Restricted Working Space, Add	*9.34*	
	23 21 13 23-2752	EA	1" x 3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	84.04	16.22
			For Work In Restricted Working Space, Add	*9.73*	
	23 21 13 23-2753	EA	1" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	86.63	17.52
			For Work In Restricted Working Space, Add	*10.51*	
	23 21 13 23-2754	EA	1-1/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	129.90	19.46
			For Work In Restricted Working Space, Add	*11.68*	
	23 21 13 23-2755	EA	1-1/2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	173.84	20.76
			For Work In Restricted Working Space, Add	*12.45*	
	23 21 13 23-2756	EA	2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	295.14	22.70
			For Work In Restricted Working Space, Add	*13.62*	
	23 21 13 23-2757	EA	2" Flanged Lead Corporation Stop Couplings, XXS Lead Flange X Copper Tube Thread (H-15510)	364.56	25.29
			For Work In Restricted Working Space, Add	*15.18*	
23 21 13 23-2758			**Chrome Plated Pipe** *(23 21 13 23)*		
23 21 13 23-2759			**Chrome Plated Nipples** *(23 21 13 23-2758)*		
23 21 13 23-2760			**Close** *(23 21 13 23-2759)*		
	23 21 13 23-2761	EA	1/4" Diameter Chrome Plated Nipple, Close	22.40	10.37
	23 21 13 23-2762	EA	3/8" Diameter Chrome Plated Nipple, Close	21.65	11.29
	23 21 13 23-2763	EA	1/2" Diameter Chrome Plated Nipple, Close	26.74	12.97
	23 21 13 23-2764	EA	3/4" Diameter Chrome Plated Nipple, Close	34.98	16.47
	23 21 13 23-2765	EA	1" Diameter Chrome Plated Nipple, Close	46.78	21.66
	23 21 13 23-2766	EA	1-1/4" Diameter Chrome Plated Nipple, Close	66.19	30.22
	23 21 13 23-2767	EA	1-1/2" Diameter Chrome Plated Nipple, Close	80.51	35.42
	23 21 13 23-2768	EA	2" Diameter Chrome Plated Nipple, Close	103.48	44.11

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23 21 13 23-2769		**1-1/2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2770	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	23.88	10.77
23 21 13 23-2771	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	22.83	11.67
23 21 13 23-2772	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	27.42	13.36
23 21 13 23-2773	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	36.19	16.86
23 21 13 23-2774		**2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2775	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	24.83	11.29
23 21 13 23-2776	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	23.63	12.06
23 21 13 23-2777	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	29.44	13.88
23 21 13 23-2778	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	37.92	17.26
23 21 13 23-2779	EA	1" Diameter, 2" Length, Chrome Plated Nipple	49.41	22.44
23 21 13 23-2780	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	70.40	31.13
23 21 13 23-2781	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	85.36	36.32
23 21 13 23-2782		**2-1/2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2783	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	26.23	11.67
23 21 13 23-2784	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	24.49	12.59
23 21 13 23-2785	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	30.68	14.27
23 21 13 23-2786	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	38.83	17.77
23 21 13 23-2787	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	50.78	22.96
23 21 13 23-2788	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	74.39	31.52
23 21 13 23-2789	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	90.64	36.71
23 21 13 23-2790	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	115.07	45.40
23 21 13 23-2791		**3" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2792	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	27.31	12.06
23 21 13 23-2793	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	25.89	12.97
23 21 13 23-2794	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	30.24	13.88
23 21 13 23-2795	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	41.75	18.16
23 21 13 23-2796	EA	1" Diameter, 3" Length, Chrome Plated Nipple	56.66	23.35
23 21 13 23-2797	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	78.72	32.04
23 21 13 23-2798	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	103.00	37.23
23 21 13 23-2799	EA	2" Diameter, 3" Length, Chrome Plated Nipple	124.78	45.92
23 21 13 23-2800		**3-1/2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2801	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	28.54	12.59
23 21 13 23-2802	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	28.23	13.36
23 21 13 23-2803	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	33.30	15.17
23 21 13 23-2804	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	46.04	18.55
23 21 13 23-2805	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	58.98	23.73
23 21 13 23-2806	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	87.17	32.43
23 21 13 23-2807	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	106.75	37.62
23 21 13 23-2808	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	132.51	46.31
23 21 13 23-2809		**4" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2810	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	29.75	12.97
23 21 13 23-2811	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	28.95	13.88
23 21 13 23-2812	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	33.51	14.66
23 21 13 23-2813	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	47.78	19.07
23 21 13 23-2814	EA	1" Diameter, 4" Length, Chrome Plated Nipple	61.19	24.26
23 21 13 23-2815	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	93.63	32.82
23 21 13 23-2816	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	114.39	38.01
23 21 13 23-2817	EA	2" Diameter, 4" Length, Chrome Plated Nipple	141.93	46.70
23 21 13 23-2818		**4-1/2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2819	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	30.84	13.36
23 21 13 23-2820	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	31.29	14.27
23 21 13 23-2821	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	36.73	15.96
23 21 13 23-2822	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	49.76	19.46
23 21 13 23-2823	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	68.65	24.65
23 21 13 23-2824	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	99.81	33.33
23 21 13 23-2825	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	117.84	38.53
23 21 13 23-2826	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	150.61	47.22
23 21 13 23-2827		**5" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2828	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	34.41	13.88
23 21 13 23-2829	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	32.78	14.66
23 21 13 23-2830	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	38.04	16.47
23 21 13 23-2831	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	51.66	19.85
23 21 13 23-2832	EA	1" Diameter, 5" Length, Chrome Plated Nipple	73.20	25.03
23 21 13 23-2833	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	105.45	33.73
23 21 13 23-2834	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	125.50	38.92
23 21 13 23-2835	EA	2" Diameter, 5" Length, Chrome Plated Nipple	156.24	47.61

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2836		**5-1/2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2837	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	35.53	14.27
23 21 13 23-2838	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	33.97	15.17
23 21 13 23-2839	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	41.59	16.86
23 21 13 23-2840	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	53.56	20.36
23 21 13 23-2841	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	75.62	25.56
23 21 13 23-2842	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	112.26	34.12
23 21 13 23-2843	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	131.63	39.30
23 21 13 23-2844	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	163.39	47.99
23 21 13 23-2845		**6" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2846	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	36.84	14.66
23 21 13 23-2847	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	34.66	15.57
23 21 13 23-2848	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	42.80	17.26
23 21 13 23-2849	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	55.12	20.76
23 21 13 23-2850	EA	1" Diameter, 6" Length, Chrome Plated Nipple	82.86	25.95
23 21 13 23-2851	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	116.47	34.63
23 21 13 23-2852	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	141.03	39.82
23 21 13 23-2853	EA	2" Diameter, 6" Length, Chrome Plated Nipple	169.95	48.52
23 21 13 23-2854		**8" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2855	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	41.14	16.47
23 21 13 23-2856	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	60.24	18.16
23 21 13 23-2857	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	73.20	21.66
23 21 13 23-2858	EA	1" Diameter, 8" Length, Chrome Plated Nipple	97.10	26.85
23 21 13 23-2859	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	139.04	35.42
23 21 13 23-2860	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	170.51	40.60
23 21 13 23-2861	EA	2" Diameter, 8" Length, Chrome Plated Nipple	210.02	49.29
23 21 13 23-2862		**10" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2863	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	47.23	16.47
23 21 13 23-2864	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	67.91	18.16
23 21 13 23-2865	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	82.08	21.66
23 21 13 23-2866	EA	1" Diameter, 10" Length, Chrome Plated Nipple	110.54	26.85
23 21 13 23-2867	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	167.81	35.42
23 21 13 23-2868	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	192.42	40.60
23 21 13 23-2869	EA	2" Diameter, 10" Length, Chrome Plated Nipple	245.05	49.29
23 21 13 23-2870		**12" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2871	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	52.68	18.16
23 21 13 23-2872	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	71.09	19.07
23 21 13 23-2873	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	90.53	22.44
23 21 13 23-2874	EA	1" Diameter, 12" Length, Chrome Plated Nipple	129.49	28.53
23 21 13 23-2875	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	188.02	37.23
23 21 13 23-2876	EA	2" Diameter, 12" Length, Chrome Plated Nipple	275.70	51.11
23 21 13 23-2877		**18" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2878	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	66.81	19.07
23 21 13 23-2879		**24" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2880	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	80.33	19.85
23 21 13 23-2881		**30" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2882	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	88.98	20.76
23 21 13 23-2883		**36" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2884	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	97.65	21.66
23 21 13 23-2885		**Chrome Plated Fittings** *(23 21 13 23-2758)*		
23 21 13 23-2886		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2885)*		
23 21 13 23-2887	EA	1/4" 90 Degree Elbow, Chrome Plated	28.40	12.06
23 21 13 23-2888	EA	3/8" 90 Degree Elbow, Chrome Plated	29.04	12.97
23 21 13 23-2889	EA	1/2" 90 Degree Elbow, Chrome Plated	32.60	13.88
23 21 13 23-2890	EA	3/4" 90 Degree Elbow, Chrome Plated	41.65	18.16
23 21 13 23-2891	EA	1" 90 Degree Elbow, Chrome Plated	56.42	23.35
23 21 13 23-2892	EA	1-1/4" 90 Degree Elbow, Chrome Plated	86.34	32.04
23 21 13 23-2893	EA	1-1/2" 90 Degree Elbow, Chrome Plated	103.59	37.23
23 21 13 23-2894	EA	2" 90 Degree Elbow, Chrome Plated	141.26	45.92
23 21 13 23-2895		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2885)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2896	EA	1/4" Street 90 Degree Elbow, Chrome Plated	32.69	12.06
23 21 13 23-2897	EA	3/8" Street 90 Degree Elbow, Chrome Plated	33.75	12.97
23 21 13 23-2898	EA	1/2" Street 90 Degree Elbow, Chrome Plated	35.87	13.88
23 21 13 23-2899	EA	3/4" Street 90 Degree Elbow, Chrome Plated	46.48	18.16
23 21 13 23-2900	EA	1" Street 90 Degree Elbow, Chrome Plated	65.32	23.35
23 21 13 23-2901	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	95.47	32.04
23 21 13 23-2902	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	116.38	37.23
23 21 13 23-2903	EA	2" Street 90 Degree Elbow, Chrome Plated	171.36	45.92
23 21 13 23-2904		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2885)*		
23 21 13 23-2905	EA	1/4" 45 Degree Elbow, Chrome Plated	29.34	12.06
23 21 13 23-2906	EA	3/8" 45 Degree Elbow, Chrome Plated	30.40	12.97
23 21 13 23-2907	EA	1/2" 45 Degree Elbow, Chrome Plated	33.57	13.88
23 21 13 23-2908	EA	3/4" 45 Degree Elbow, Chrome Plated	45.34	18.16
23 21 13 23-2909	EA	1" 45 Degree Elbow, Chrome Plated	60.54	23.35
23 21 13 23-2910	EA	1-1/4" 45 Degree Elbow, Chrome Plated	91.30	32.04
23 21 13 23-2911	EA	1-1/2" 45 Degree Elbow, Chrome Plated	110.22	37.23
23 21 13 23-2912	EA	2" 45 Degree Elbow, Chrome Plated	159.47	45.92
23 21 13 23-2913		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2885)*		
23 21 13 23-2914	EA	1/2" Street 45 Degree Elbow, Chrome Plated	39.46	13.88
23 21 13 23-2915		**Chrome Plated Couplings** *(23 21 13 23-2885)*		
23 21 13 23-2916	EA	1/4" Coupling, Chrome Plated	27.82	12.06
23 21 13 23-2917	EA	3/8" Coupling, Chrome Plated	29.12	12.97
23 21 13 23-2918	EA	1/2" Coupling, Chrome Plated	32.84	13.88
23 21 13 23-2919	EA	3/4" Coupling, Chrome Plated	41.75	18.16
23 21 13 23-2920	EA	1" Coupling, Chrome Plated	54.38	23.35
23 21 13 23-2921	EA	1-1/4" Coupling, Chrome Plated	78.93	32.04
23 21 13 23-2922	EA	1-1/2" Coupling, Chrome Plated	97.38	37.23
23 21 13 23-2923	EA	2" Coupling, Chrome Plated	133.68	45.92
23 21 13 23-2924		**Chrome Plated Unions** *(23 21 13 23-2885)*		
23 21 13 23-2925	EA	1/4" Union, Chrome Plated	44.07	13.88
23 21 13 23-2926	EA	3/8" Union, Chrome Plated	45.39	14.66
23 21 13 23-2927	EA	1/2" Union, Chrome Plated	54.72	16.47
23 21 13 23-2928	EA	3/4" Union, Chrome Plated	67.99	21.66
23 21 13 23-2929	EA	1" Union, Chrome Plated	86.02	27.63
23 21 13 23-2930	EA	1-1/4" Union, Chrome Plated	138.67	37.23
23 21 13 23-2931	EA	1-1/2" Union, Chrome Plated	172.43	44.11
23 21 13 23-2932	EA	2" Union, Chrome Plated	224.61	53.71
23 21 13 23-2933		**Chrome Plated Caps** *(23 21 13 23-2885)*		
23 21 13 23-2934	EA	1/4" Cap, Chrome Plated	18.49	6.10
23 21 13 23-2935	EA	3/8" Cap, Chrome Plated	19.14	6.49
23 21 13 23-2936	EA	1/2" Cap, Chrome Plated	21.80	6.87
23 21 13 23-2937	EA	3/4" Cap, Chrome Plated	27.24	9.08
23 21 13 23-2938	EA	1" Cap, Chrome Plated	32.48	11.67
23 21 13 23-2939	EA	1-1/4" Cap, Chrome Plated	47.81	15.96
23 21 13 23-2940	EA	1-1/2" Cap, Chrome Plated	62.73	18.55
23 21 13 23-2941	EA	2" Cap, Chrome Plated	91.41	24.26
23 21 13 23-2942		**Chrome Plated Plugs** *(23 21 13 23-2885)*		
23 21 13 23-2943	EA	1/4" Plug, Chrome Plated	15.22	6.10
23 21 13 23-2944	EA	3/8" Plug, Chrome Plated	15.87	6.49
23 21 13 23-2945	EA	1/2" Plug, Chrome Plated	18.35	6.87
23 21 13 23-2946	EA	3/4" Plug, Chrome Plated	24.79	9.08
23 21 13 23-2947	EA	1" Plug, Chrome Plated	30.61	11.67
23 21 13 23-2948	EA	1-1/4" Plug, Chrome Plated	41.36	15.96
23 21 13 23-2949	EA	1-1/2" Plug, Chrome Plated	50.91	18.55
23 21 13 23-2950	EA	2" Plug, Chrome Plated	70.85	24.26
23 21 13 23-2951		**Chrome Plated Tees** *(23 21 13 23-2885)*		
23 21 13 23-2952	EA	1/4" Chrome Plated Tee	39.59	18.16
23 21 13 23-2953	EA	3/8" Chrome Plated Tee	42.18	19.85
23 21 13 23-2954	EA	1/2" Chrome Plated Tee	46.96	21.66
23 21 13 23-2955	EA	3/4" Chrome Plated Tee	58.48	26.85
23 21 13 23-2956	EA	1" Chrome Plated Tee	82.80	34.63
23 21 13 23-2957	EA	1-1/4" Chrome Plated Tee	114.13	47.61
23 21 13 23-2958	EA	1-1/2" Chrome Plated Tee	145.54	55.39
23 21 13 23-2959	EA	2" Chrome Plated Tee	198.89	68.36
23 21 13 23-2960		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-2885)*		
23 21 13 23-2961	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	44.78	21.66
23 21 13 23-2962	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	52.57	26.85

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2963		**Chrome Plated Bell Reducers** *(23 21 13 23-2885)*		
23 21 13 23-2964	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	48.73	21.66
23 21 13 23-2965	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	59.37	26.85
23 21 13 23-2966	EA	1" x 1/2" Bell Reducer, Chrome Plated	75.49	34.63
23 21 13 23-2967		**Chrome Plated Reducing Tees** *(23 21 13 23-2885)*		
23 21 13 23-2968	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	64.40	26.85
23 21 13 23-2969		**Chrome Plated Bushings** *(23 21 13 23-2885)*		
23 21 13 23-2970	EA	3/8" x 1/4" Bushing, Chrome Plated	15.12	6.10
23 21 13 23-2971	EA	1/2" x 1/4" Bushing, Chrome Plated	16.28	6.49
23 21 13 23-2972	EA	1/2" x 3/8" Bushing, Chrome Plated	16.92	6.87
23 21 13 23-2973	EA	3/4" x 1/2" Bushing, Chrome Plated	21.54	9.08
23 21 13 23-2974	EA	1" x 3/4" Bushing, Chrome Plated	31.24	11.67
23 21 13 23-2975	EA	1-1/4" x 1" Bushing, Chrome Plated	45.60	15.96
23 21 13 23-2976		**Aluminum Tubing Assemblies** *(23 21 13 23)* Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2977	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.74	4.54
23 21 13 23-2978	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	13.37	5.19
23 21 13 23-2979	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	14.87	5.84
23 21 13 23-2980	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	16.23	6.49
23 21 13 23-2981	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	18.02	7.13
23 21 13 23-2982	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	20.78	7.79
23 21 13 23-2983	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	24.36	8.96
23 21 13 23-2984	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	30.18	10.16
23 21 13 23-2985	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	35.08	11.34
23 21 13 23-2986	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly	42.44	11.95
23 21 16		**Hydronic Piping Specialties** *(23 21)*		
23 21 16 00-0001		**Y-Type Strainers** *(23 21 16)*		
23 21 16 00-0002		**Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers** *(23 21 16 00-0001)*		
23 21 16 00-0003	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	87.14	14.53
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*12.46*	
23 21 16 00-0004	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	87.78	14.80
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*12.65*	
23 21 16 00-0005	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	111.53	19.98
		For Galvanized Body, Add	*27.22*	
		For Work In Restricted Working Space, Add	*17.13*	
23 21 16 00-0006	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	141.69	23.87
		For Galvanized Body, Add	*36.78*	
		For Work In Restricted Working Space, Add	*20.44*	
23 21 16 00-0007	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	185.12	29.52
		For Galvanized Body, Add	*50.39*	
		For Work In Restricted Working Space, Add	*25.31*	
23 21 16 00-0008	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	212.21	31.80
		For Galvanized Body, Add	*60.69*	
		For Work In Restricted Working Space, Add	*27.25*	
23 21 16 00-0009	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	290.65	36.33
		For Galvanized Body, Add	*93.42*	
		For Work In Restricted Working Space, Add	*31.14*	
23 21 16 00-0010	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	549.79	45.41
		For Galvanized Body, Add	*210.01*	
		For Work In Restricted Working Space, Add	*38.93*	
23 21 16 00-0011	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	710.95	56.84
		For Galvanized Body, Add	*274.37*	
		For Work In Restricted Working Space, Add	*48.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 16 00-0012 Flanged, 125 Lb., Iron Body , Y-Type Strainers *(23 21 16 00-0001)*

23 21 16 00-0013	EA	1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	518.21	136.25
		For Galvanized Body, Add	*173.74*	
		For Work In Restricted Working Space, Add	*51.22*	
23 21 16 00-0014	EA	2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	592.30	172.98
		For Galvanized Body, Add	*188.01*	
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0015	EA	3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,172.50	220.61
		For Galvanized Body, Add	*448.21*	
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0016	EA	4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,480.70	369.83
		For Galvanized Body, Add	*508.63*	
		For Work In Restricted Working Space, Add	*139.04*	
23 21 16 00-0017	EA	5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,602.98	372.51
		For Galvanized Body, Add	*569.03*	
		For Work In Restricted Working Space, Add	*139.48*	
23 21 16 00-0018	EA	6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,932.64	413.90
		For Galvanized Body, Add	*706.71*	
		For Work In Restricted Working Space, Add	*155.77*	
23 21 16 00-0019	EA	8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,440.72	528.87
		For Galvanized Body, Add	*1,391.87*	
		For Work In Restricted Working Space, Add	*197.09*	
23 21 16 00-0020	EA	10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,009.25	643.84
		For Galvanized Body, Add	*3,102.23*	
		For Work In Restricted Working Space, Add	*241.44*	
23 21 16 00-0021	EA	12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,600.97	574.86
		For Galvanized Body, Add	*3,225.63*	
		For Work In Restricted Working Space, Add	*344.91*	

23 21 16 00-0022 Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0001)*

Note: With screwed cap (4" size has bolted cap).

23 21 16 00-0023	EA	1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	77.90	14.80
		For 300 Lb. Rating, Add	*60.74*	
		For Work In Restricted Working Space, Add	*12.65*	
23 21 16 00-0024	EA	3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	103.54	19.98
		For 300 Lb. Rating, Add	*78.95*	
		For Work In Restricted Working Space, Add	*17.13*	
23 21 16 00-0025	EA	1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	126.63	23.87
		For 300 Lb. Rating, Add	*99.45*	
		For Work In Restricted Working Space, Add	*20.44*	
23 21 16 00-0026	EA	1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	172.24	29.52
		For 300 Lb. Rating, Add	*149.41*	
		For Work In Restricted Working Space, Add	*25.31*	
23 21 16 00-0027	EA	1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	204.99	31.80
		For 300 Lb. Rating, Add	*194.06*	
		For Work In Restricted Working Space, Add	*27.25*	
23 21 16 00-0028	EA	2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	273.78	36.33
		For 300 Lb. Rating, Add	*288.95*	
		For Work In Restricted Working Space, Add	*31.14*	
23 21 16 00-0029	EA	2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	384.77	45.41
		For 300 Lb. Rating, Add	*433.50*	
		For Work In Restricted Working Space, Add	*38.93*	
23 21 16 00-0030	EA	3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	690.92	56.84
		For 300 Lb. Rating, Add	*898.81*	
		For Work In Restricted Working Space, Add	*48.66*	
23 21 16 00-0031	EA	4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,198.05	68.13
		For 300 Lb. Rating, Add	*1,705.78*	
		For Work In Restricted Working Space, Add	*58.40*	

23 21 16 00-0032 Flanged, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0001)*

Note: With bolted cap.

23 21 16 00-0033	EA	2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	660.09	172.98
		For 300 Lb. Rating, Add	*266.29*	
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0034	EA	2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	688.11	188.16
		For 300 Lb. Rating, Add	*271.31*	
		For Work In Restricted Working Space, Add	*70.78*	
23 21 16 00-0035	EA	3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	793.87	220.61
		For 300 Lb. Rating, Add	*310.67*	
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0036	EA	4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,721.58	369.83
		For 300 Lb. Rating, Add	*754.88*	
		For Work In Restricted Working Space, Add	*139.04*	
23 21 16 00-0037	EA	6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	2,426.33	413.90
		For 300 Lb. Rating, Add	*1,144.27*	
		For Work In Restricted Working Space, Add	*155.77*	
23 21 16 00-0038	EA	8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	3,911.61	528.87
		For 300 Lb. Rating, Add	*1,952.78*	
		For Work In Restricted Working Space, Add	*197.09*	
23 21 16 00-0039	EA	10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	12,486.11	643.84
		For 300 Lb. Rating, Add	*7,008.79*	
		For Work In Restricted Working Space, Add	*241.44*	

23 21 16 00-0040 Polyvinyl Chloride (PVC) Body, Y-Type Strainers *(23 21 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0041		**Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainers** *(23 21 16 00-0040)*		
23 21 16 00-0042	EA	1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	111.59	14.27
		For Work In Restricted Working Space, Add	*12.45*	
23 21 16 00-0043	EA	3/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	134.09	19.59
		For Work In Restricted Working Space, Add	*16.73*	
23 21 16 00-0044	EA	1" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	162.01	26.59
		For Work In Restricted Working Space, Add	*22.96*	
23 21 16 00-0045	EA	1-1/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	238.64	28.53
		For Work In Restricted Working Space, Add	*24.52*	
23 21 16 00-0046	EA	1-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	243.75	30.87
		For Work In Restricted Working Space, Add	*26.46*	
23 21 16 00-0047	EA	2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	284.22	35.02
		For Work In Restricted Working Space, Add	*29.96*	
23 21 16 00-0048	EA	2-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	568.47	45.40
		For Work In Restricted Working Space, Add	*38.92*	
23 21 16 00-0049	EA	3" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	573.48	56.82
		For Work In Restricted Working Space, Add	*48.65*	
23 21 16 00-0050	EA	4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	893.10	60.45
		For Work In Restricted Working Space, Add	*51.75*	
23 21 16 00-0051		**Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainers** *(23 21 16 00-0040)*		
23 21 16 00-0052	EA	2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	468.36	81.08
		For Work In Restricted Working Space, Add	*48.65*	
23 21 16 00-0053	EA	2-1/2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	880.22	105.73
		For Work In Restricted Working Space, Add	*63.43*	
23 21 16 00-0054	EA	3" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	911.28	220.53
		For Work In Restricted Working Space, Add	*82.80*	
23 21 16 00-0055	EA	4" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	1,487.04	369.70
		For Work In Restricted Working Space, Add	*138.98*	
23 21 16 00-0056		**Crimped Bronze Body, Class 125, Y-Type Strainers** *(23 21 16 00-0001)*		
		Note: Nibco®		
23 21 16 00-0057	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	189.17	12.97
		For Work In Restricted Working Space, Add	*8.76*	
23 21 16 00-0058	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer	219.18	14.27
		For Work In Restricted Working Space, Add	*9.97*	
23 21 16 00-0059	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer	312.67	16.22
		For Work In Restricted Working Space, Add	*11.92*	
23 21 16 00-0060	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer	420.02	17.26
		For Work In Restricted Working Space, Add	*13.13*	
23 21 16 00-0061	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	506.05	19.97
		For Work In Restricted Working Space, Add	*14.60*	
23 21 16 00-0062	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer	750.59	23.60
		For Work In Restricted Working Space, Add	*17.51*	
23 21 16 00-0063		**Crimped Bronze Body, 250 PSI, Y-Type Strainers** *(23 21 16 00-0001)*		
23 21 16 00-0064	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	80.29	12.97
23 21 16 00-0065	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	97.66	14.27
23 21 16 00-0066	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	141.91	16.22
23 21 16 00-0067	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	172.81	17.26
23 21 16 00-0068	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	205.73	19.97
23 21 16 00-0069	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	269.43	23.60
23 21 16 00-0070		**Cast Iron Body, Suction Diffusers** *(23 21 16)*		
		Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0071	EA	2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	569.40	51.13
		For Work In Restricted Working Space, Add	*25.03*	
23 21 16 00-0072	EA	2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	598.09	56.71
		For Work In Restricted Working Space, Add	*27.81*	
23 21 16 00-0073	EA	2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	607.62	59.56
		For Work In Restricted Working Space, Add	*29.21*	
23 21 16 00-0074	EA	2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,149.54	188.16
		For Work In Restricted Working Space, Add	*70.78*	
23 21 16 00-0075	EA	3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	628.19	69.30
		For Work In Restricted Working Space, Add	*33.92*	
23 21 16 00-0076	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	710.81	69.30
		For Work In Restricted Working Space, Add	*33.92*	
23 21 16 00-0077	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,203.64	204.81
		For Work In Restricted Working Space, Add	*76.80*	
23 21 16 00-0078	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,228.58	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0079	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,492.35	295.82
		For Work In Restricted Working Space, Add	*110.93*	
23 21 16 00-0080	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,756.11	369.83
		For Work In Restricted Working Space, Add	*139.04*	
23 21 16 00-0081	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,010.29	371.93
		For Work In Restricted Working Space, Add	*139.48*	
23 21 16 00-0082	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,429.06	413.90
		For Work In Restricted Working Space, Add	*155.77*	
23 21 16 00-0083	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,746.63	528.87
		For Work In Restricted Working Space, Add	*197.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0084	EA	8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,248.25	528.87
		For Work In Restricted Working Space, Add	*197.09*	
23 21 16 00-0085	EA	10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,852.87	643.84
		For Work In Restricted Working Space, Add	*241.44*	
23 21 16 00-0086	EA	10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	5,674.15	643.84
		For Work In Restricted Working Space, Add	*241.44*	

23 21 16 00-0087 Duplex Strainers *(23 21 16)*

23 21 16 00-0088 Iron Body, Duplex Strainers *(23 21 16 00-0087)*

23 21 16 00-0089 Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0088)*

Note: With brass or stainless steel basket.

23 21 16 00-0090	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	975.68	32.31
		For Work In Restricted Working Space, Add	*19.40*	
23 21 16 00-0091	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,089.43	36.98
		For Work In Restricted Working Space, Add	*22.21*	
23 21 16 00-0092	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,477.15	43.47
		For Work In Restricted Working Space, Add	*26.07*	
23 21 16 00-0093	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,859.84	47.37
		For Work In Restricted Working Space, Add	*28.42*	
23 21 16 00-0094	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	2,493.06	57.74
		For Work In Restricted Working Space, Add	*34.76*	
23 21 16 00-0095	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,137.18	73.97
		For Work In Restricted Working Space, Add	*44.37*	

23 21 16 00-0096 Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0088)*

Note: With brass or stainless steel basket.

23 21 16 00-0097	EA	2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,395.37	172.98
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0098	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,509.92	188.16
		For Work In Restricted Working Space, Add	*70.78*	
23 21 16 00-0099	EA	3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	4,499.06	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0100	EA	4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	7,053.49	327.66
		For Work In Restricted Working Space, Add	*123.18*	
23 21 16 00-0101	EA	6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	13,804.98	413.90
		For Work In Restricted Working Space, Add	*155.77*	
23 21 16 00-0102	EA	8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	26,279.51	528.87
		For Work In Restricted Working Space, Add	*197.09*	
23 21 16 00-0103	EA	10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	36,296.74	643.84
		For Work In Restricted Working Space, Add	*241.44*	
23 21 16 00-0104	EA	12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	41,101.56	811.70
		For Work In Restricted Working Space, Add	*487.17*	
23 21 16 00-0105	EA	14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	48,978.43	919.77
		For Work In Restricted Working Space, Add	*344.91*	
23 21 16 00-0106	EA	16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	61,240.37	1,011.74
		For Work In Restricted Working Space, Add	*379.40*	

23 21 16 00-0107 Bronze Body, Duplex Strainers *(23 21 16 00-0087)*

23 21 16 00-0108 Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0107)*

Note: With brass or stainless steel basket.

23 21 16 00-0109	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	1,820.28	32.44
		For Work In Restricted Working Space, Add	*19.40*	
23 21 16 00-0110	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,019.43	36.98
		For Work In Restricted Working Space, Add	*22.21*	
23 21 16 00-0111	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,957.56	43.47
		For Work In Restricted Working Space, Add	*26.07*	
23 21 16 00-0112	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	3,890.66	47.37
		For Work In Restricted Working Space, Add	*28.42*	
23 21 16 00-0113	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	5,026.84	57.74
		For Work In Restricted Working Space, Add	*34.76*	
23 21 16 00-0114	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	6,173.93	73.97
		For Work In Restricted Working Space, Add	*44.37*	

23 21 16 00-0115 Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0107)*

Note: With brass or stainless steel basket.

23 21 16 00-0116	EA	2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,048.95	172.98
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0117	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,258.40	188.16
		For Work In Restricted Working Space, Add	*70.78*	
23 21 16 00-0118	EA	3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	9,955.71	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0119	EA	4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	15,689.23	327.66
		For Work In Restricted Working Space, Add	*123.18*	
23 21 16 00-0120	EA	6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	34,113.20	413.90
		For Work In Restricted Working Space, Add	*155.77*	

23 21 16 00-0121 Cast Steel Body, Duplex Strainers *(23 21 16 00-0087)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0122		**Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers** *(23 21 16 00-0121)* Note: With brass or stainless steel basket.		
23 21 16 00-0123	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	2,837.24	36.98
		For Work In Restricted Working Space, Add	*22.21*	
23 21 16 00-0124	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,494.84	43.47
		For Work In Restricted Working Space, Add	*26.06*	
23 21 16 00-0125	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	4,147.45	47.37
		For Work In Restricted Working Space, Add	*28.42*	
23 21 16 00-0126	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,023.89	57.74
		For Work In Restricted Working Space, Add	*34.76*	
23 21 16 00-0127		**Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers** *(23 21 16 00-0121)* Note: With brass or stainless steel basket.		
23 21 16 00-0128	EA	2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,170.37	172.98
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0129	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,880.82	188.16
		For Work In Restricted Working Space, Add	*70.78*	
23 21 16 00-0130	EA	3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	10,361.82	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0131	EA	4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	15,193.80	327.66
		For Work In Restricted Working Space, Add	*123.18*	
23 21 16 00-0132	EA	6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	25,940.79	413.90
		For Work In Restricted Working Space, Add	*155.77*	
23 21 16 00-0133	EA	8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	50,579.04	528.87
		For Work In Restricted Working Space, Add	*197.09*	
23 21 16 00-0134		**Stainless Steel Body, Duplex Strainers** *(23 21 16 00-0087)*		
23 21 16 00-0135		**Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers** *(23 21 16 00-0134)* Note: With stainless steel basket.		
23 21 16 00-0136	EA	1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,497.92	36.98
		For Work In Restricted Working Space, Add	*22.21*	
23 21 16 00-0137	EA	1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,211.91	43.47
		For Work In Restricted Working Space, Add	*26.06*	
23 21 16 00-0138	EA	1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,909.01	47.37
		For Work In Restricted Working Space, Add	*28.42*	
23 21 16 00-0139	EA	2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,878.18	57.74
		For Work In Restricted Working Space, Add	*34.76*	
23 21 16 00-0140		**Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers** *(23 21 16 00-0134)* Note: With stainless steel basket.		
23 21 16 00-0141	EA	2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,632.88	172.98
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0142	EA	2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	17,485.26	188.16
		For Work In Restricted Working Space, Add	*70.78*	
23 21 16 00-0143	EA	3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	27,399.17	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0144	EA	4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	33,481.73	327.66
		For Work In Restricted Working Space, Add	*123.18*	
23 21 16 00-0145	EA	6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	58,810.05	413.90
		For Work In Restricted Working Space, Add	*155.77*	
23 21 16 00-0146	EA	8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	108,673.45	528.87
		For Work In Restricted Working Space, Add	*197.09*	
23 21 16 00-0147		**Horizontal Steel Expansion Tanks** *(23 21 16)* Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0148	EA	10 Gallon Horizontal Steel Expansion Tank	783.91	129.77
23 21 16 00-0149	EA	15 Gallon Horizontal Steel Expansion Tank	1,110.99	162.21
23 21 16 00-0150	EA	30 Gallon Horizontal Steel Expansion Tank	1,457.76	194.65
23 21 16 00-0151	EA	40 Gallon Horizontal Steel Expansion Tank	1,677.73	227.09
23 21 16 00-0152	EA	60 Gallon Horizontal Steel Expansion Tank	1,933.04	229.94
23 21 16 00-0153		**Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks** *(23 21 16)* Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0154	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,611.23	97.32
23 21 16 00-0155	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,684.83	113.54
23 21 16 00-0156	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,504.26	129.77
23 21 16 00-0157	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,609.35	145.98
23 21 16 00-0158	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,530.49	162.21
23 21 16 00-0159	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,725.17	178.42
23 21 16 00-0160	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,425.94	194.65
23 21 16 00-0161	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,736.85	210.87
23 21 16 00-0162	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,219.69	227.09
23 21 16 00-0163	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,371.75	259.53
23 21 16 00-0164	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,732.13	291.97
23 21 16 00-0165	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,717.18	324.42
23 21 16 00-0166	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,960.84	389.30

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0167		**Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)** *(23 21 16)* Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0168	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,834.01	97.32
23 21 16 00-0169	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,895.50	113.54
23 21 16 00-0170	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,707.67	129.77
23 21 16 00-0171	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,892.66	145.98
23 21 16 00-0172	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,673.35	162.21
23 21 16 00-0173	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,865.61	178.42
23 21 16 00-0174	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,709.26	194.65
23 21 16 00-0175	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,090.39	210.87
23 21 16 00-0176	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,628.93	227.09
23 21 16 00-0177	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,773.72	259.53
23 21 16 00-0178	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,097.78	291.97
23 21 16 00-0179	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,232.96	324.42
23 21 16 00-0180	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	9,486.30	389.30
23 21 16 00-0181		**Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)*		
23 21 16 00-0182	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	108.50	11.95
23 21 16 00-0183	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	155.14	11.95
23 21 16 00-0184		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0185	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,323.72	389.43
23 21 16 00-0186	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,379.15	389.43
23 21 16 00-0187	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,434.57	389.43
23 21 16 00-0188	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,578.66	389.43
23 21 16 00-0189	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,887.60	518.93
23 21 16 00-0190	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,219.41	519.19
23 21 16 00-0191	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,285.24	519.19
23 21 16 00-0192	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,351.08	519.19
23 21 16 00-0193	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,991.29	648.82
23 21 16 00-0194	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	8,572.94	648.82
23 21 16 00-0195	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	10,902.67	778.33
23 21 16 00-0196		**Vent Valves** *(23 21 16)*		
23 21 16 00-0197	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	87.18	19.47
23 21 16 00-0198	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	208.60	20.94
23 21 16 00-0199	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	198.93	20.94
23 21 16 00-0200	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	205.70	20.94
23 21 16 00-0201	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	264.95	20.94
23 21 16 00-0202	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	196.27	20.94
23 21 16 00-0203		**Threaded Inlet, Drip-Pan Elbow** *(23 21 16)*		
23 21 16 00-0204		**Cast Iron, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0203)*		
23 21 16 00-0205	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	269.63	32.68
		For Flanged Inlet, Add	*95.32*	
23 21 16 00-0206	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	306.67	38.73
		For Flanged Inlet, Add	*102.33*	
23 21 16 00-0207	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	383.68	44.78
		For Flanged Inlet, Add	*138.05*	
23 21 16 00-0208	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	562.34	50.84
		For Flanged Inlet, Add	*242.88*	
23 21 16 00-0209	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	636.93	60.52
		For Flanged Inlet, Add	*268.49*	
23 21 16 00-0210	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	879.62	76.26
		For Flanged Inlet, Add	*392.37*	
23 21 16 00-0211	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,938.90	100.47
		For Flanged Inlet, Add	*1,044.09*	
23 21 16 00-0212		**Cast Steel, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0203)*		
23 21 16 00-0213	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	804.99	32.68
		For Flanged Inlet, Add	*459.36*	
23 21 16 00-0214	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	974.75	38.73
		For Flanged Inlet, Add	*556.62*	
23 21 16 00-0215	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,400.59	44.78
		For Flanged Inlet, Add	*829.55*	
23 21 16 00-0216	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,425.08	50.84
		For Flanged Inlet, Add	*829.55*	
23 21 16 00-0217	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,062.23	60.52
		For Flanged Inlet, Add	*1,237.70*	
23 21 16 00-0218	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,122.75	76.26
		For Flanged Inlet, Add	*1,237.70*	
23 21 16 00-0219	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,529.11	100.47
		For Flanged Inlet, Add	*2,125.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0220		**Pressure Regulating Valve** *(23 21 16)*		
23 21 16 00-0221		**Screwed Ends, Iron Body, Water Pressure Reducing Valves** *(23 21 16 00-0220)* Note: For building services, 25 - 75 PSI, up to 300 Lb rating		
23 21 16 00-0222	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	242.87	16.22
		For Work In Restricted Working Space, Add	*19.46*	
23 21 16 00-0223	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	298.95	18.16
		For Work In Restricted Working Space, Add	*21.62*	
23 21 16 00-0224	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	392.63	19.46
		For Work In Restricted Working Space, Add	*22.89*	
23 21 16 00-0225	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	671.18	21.79
		For Work In Restricted Working Space, Add	*25.94*	
23 21 16 00-0226	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	910.35	25.95
		For Work In Restricted Working Space, Add	*31.13*	
23 21 16 00-0227	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,305.03	39.77
		For Work In Restricted Working Space, Add	*47.78*	
23 21 16 00-0228	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,419.91	44.79
		For Work In Restricted Working Space, Add	*53.75*	
23 21 16 00-0229	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,560.29	129.60
		For Work In Restricted Working Space, Add	*59.72*	
23 21 16 00-0230		**Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0220)* Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0231		**Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0230)*		
23 21 16 00-0232	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	407.68	21.80
		For Work In Restricted Working Space, Add	*26.13*	
23 21 16 00-0233	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	511.42	30.88
		For Work In Restricted Working Space, Add	*37.08*	
23 21 16 00-0234	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	656.87	37.63
		For Work In Restricted Working Space, Add	*45.27*	
23 21 16 00-0235	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	877.26	45.68
		For Work In Restricted Working Space, Add	*52.61*	
23 21 16 00-0236	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,175.43	51.91
		For Work In Restricted Working Space, Add	*59.89*	
23 21 16 00-0237	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,375.13	72.63
		For Work In Restricted Working Space, Add	*72.63*	
23 21 16 00-0238		**Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0230)* Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0239	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,148.98	175.52
		For Work In Restricted Working Space, Add	*66.03*	
23 21 16 00-0240	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,914.53	205.77
		For Work In Restricted Working Space, Add	*77.26*	
23 21 16 00-0241	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	5,041.43	344.98
		For Work In Restricted Working Space, Add	*129.69*	
23 21 16 00-0242	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	12,509.13	402.55
		For Work In Restricted Working Space, Add	*151.50*	
23 21 16 00-0243		**Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0220)*		
23 21 16 00-0244		**Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0243)*		
23 21 16 00-0245	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,277.06	15.83
		For Work In Restricted Working Space, Add	*23.75*	
23 21 16 00-0246	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,324.73	15.83
		For Work In Restricted Working Space, Add	*23.75*	
23 21 16 00-0247	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,477.90	19.98
		For Work In Restricted Working Space, Add	*29.98*	
23 21 16 00-0248	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,912.96	25.43
		For Work In Restricted Working Space, Add	*38.15*	
23 21 16 00-0249	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,334.94	29.33
		For Work In Restricted Working Space, Add	*43.99*	
23 21 16 00-0250	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,134.14	34.51
		For Work In Restricted Working Space, Add	*51.78*	
23 21 16 00-0251		**Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0243)*		
23 21 16 00-0252	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,108.46	175.52
		For Work In Restricted Working Space, Add	*66.03*	
23 21 16 00-0253	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	6,300.48	205.77
		For Work In Restricted Working Space, Add	*77.26*	
23 21 16 00-0254	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,547.03	344.98
		For Work In Restricted Working Space, Add	*129.69*	
23 21 16 00-0255	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	20,953.53	402.55
		For Work In Restricted Working Space, Add	*151.50*	
23 21 16 00-0256		**Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves** *(23 21 16 00-0220)*		
23 21 16 00-0257	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	272.14	16.86
23 21 16 00-0258	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	336.26	18.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0259	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	444.64	19.85
23 21 16 00-0260	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	767.32	22.57
23 21 16 00-0261	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,042.94	26.98
23 21 16 00-0262	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,493.43	41.33
23 21 16 00-0263	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,617.94	45.03
23 21 16 00-0264	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,784.11	51.84
23 21 16 00-0265		Screwed Ends, Bronze Body, Water Pressure Reducing Valves *(23 21 16 00-0220)*		
		Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0266	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	222.95	16.22
23 21 16 00-0267	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	244.99	18.16
23 21 16 00-0268	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	304.87	20.10
23 21 16 00-0269	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	725.71	21.79
23 21 16 00-0270	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	786.23	25.95
23 21 16 00-0271	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,235.60	39.77
23 21 16 00-0272		Plastic Pressure Regulator *(23 21 16 00-0220)*		
23 21 16 00-0273		Polyvinyl Chloride (PVC) Pressure Regulator Valves *(23 21 16 00-0272)*		
23 21 16 00-0274	EA	1/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	276.64	19.46
23 21 16 00-0275	EA	1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	307.85	26.98
23 21 16 00-0276	EA	3/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	542.59	32.43
23 21 16 00-0277	EA	1" Polyvinyl Chloride (PVC) Pressure Regulator Valve	613.98	43.32
23 21 16 00-0278	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	725.79	51.89
23 21 16 00-0279	EA	2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	893.68	81.08
23 21 16 00-0280		Polypropylene Pressure Regulator Valves *(23 21 16 00-0272)*		
23 21 16 00-0281	EA	1/4" Polypropylene Pressure Regulator Valve	351.28	19.46
23 21 16 00-0282	EA	1/2" Polypropylene Pressure Regulator Valve	432.26	27.24
23 21 16 00-0283	EA	3/4" Polypropylene Pressure Regulator Valve	661.03	32.43
23 21 16 00-0284	EA	1" Polypropylene Pressure Regulator Valve	783.18	43.32
23 21 16 00-0285	EA	1-1/2" Polypropylene Pressure Regulator Valve	914.89	51.89
23 21 16 00-0286	EA	2" Polypropylene Pressure Regulator Valve	1,136.53	81.08
23 21 16 00-0287		Teflon (PTFE) Pressure Regulator Valves *(23 21 16 00-0272)*		
23 21 16 00-0288	EA	1/4" Teflon (PTFE) Pressure Regulator Valve	744.42	19.46
23 21 16 00-0289	EA	1/2" Teflon (PTFE) Pressure Regulator Valve	855.25	26.98
23 21 16 00-0290	EA	3/4" Teflon Pressure Regulator Valve	1,438.35	32.43
23 21 16 00-0291	EA	1" Teflon (PTFE) Pressure Regulator Valve	1,987.46	43.32
23 21 16 00-0292	EA	1-1/2" Teflon (PTFE) Pressure Regulator Valve	2,397.86	51.89
23 21 16 00-0293	EA	2" Teflon (PTFE) Pressure Regulator Valve	3,357.00	81.08
23 21 16 00-0294		Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valves *(23 21 16 00-0272)*		
23 21 16 00-0295	EA	1/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	247.38	19.46
23 21 16 00-0296	EA	1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	285.10	26.98
23 21 16 00-0297	EA	3/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	455.79	32.43
23 21 16 00-0298	EA	1" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	542.72	43.19
23 21 16 00-0299	EA	1-1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	632.12	51.89
23 21 16 00-0300		Dual Unit Reducing And Relief Valve *(23 21 16)*		
23 21 16 00-0301	EA	1/2" Dual Unit Reducing And Relief Valve	251.49	39.58
23 21 16 00-0302		Safety Relief Valve *(23 21 16)*		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0303		Threaded Inlet, Bronze Body Safety Valves *(23 21 16 00-0302)*		
		Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range.		
23 21 16 00-0304	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	92.22	16.22
23 21 16 00-0305	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	128.97	17.84
23 21 16 00-0306	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	187.33	21.73
23 21 16 00-0307	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	243.55	23.02
23 21 16 00-0308	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	335.59	30.81
23 21 16 00-0309	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	451.49	36.32
23 21 16 00-0310	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	510.86	45.40
23 21 16 00-0311		Plastic Pressure Relief Valves *(23 21 16 00-0302)*		
23 21 16 00-0312		Polyvinyl Chloride (PVC) Pressure Relief Valves *(23 21 16 00-0311)*		
23 21 16 00-0313	EA	1/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	228.53	19.46
23 21 16 00-0314	EA	1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	253.11	27.24
23 21 16 00-0315	EA	3/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	471.27	32.43
23 21 16 00-0316	EA	1" Polyvinyl Chloride (PVC) Pressure Relief Valve	559.24	43.46
23 21 16 00-0317	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	725.79	51.89
23 21 16 00-0318	EA	2" Polyvinyl Chloride (PVC) Pressure Relief Valve	908.61	81.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0319		**Polypropylene Pressure Relief Valves** *(23 21 16 00-0311)*		
23 21 16 00-0320	EA	1/4" Polypropylene Pressure Relief Valve	261.71	19.46
23 21 16 00-0321	EA	1/2" Polypropylene Pressure Relief Valve	302.87	26.98
23 21 16 00-0322	EA	3/4" Polypropylene Pressure Relief Valve	587.38	32.43
23 21 16 00-0323	EA	1" Polypropylene Pressure Relief Valve	683.65	43.32
23 21 16 00-0324	EA	1-1/2" Polypropylene Pressure Relief Valve	1,198.55	51.89
23 21 16 00-0325	EA	2" Polypropylene Pressure Relief Valve	1,472.60	81.08
23 21 16 00-0326		**Teflon (PTFE) Pressure Relief Valves** *(23 21 16 00-0311)*		
23 21 16 00-0327	EA	1/4" Teflon (PTFE) Pressure Relief Valve	460.76	19.46
23 21 16 00-0328	EA	1/2" Teflon (PTFE) Pressure Relief Valve	510.22	26.98
23 21 16 00-0329	EA	3/4" Teflon (PTFE) Pressure Relief Valve	960.61	32.43
23 21 16 00-0330	EA	1" Teflon (PTFE) Pressure Relief Valve	1,131.52	43.32
23 21 16 00-0331	EA	1-1/2" Teflon (PTFE) Pressure Relief Valve	1,845.48	51.89
23 21 16 00-0332	EA	2" Teflon (PTFE) Pressure Relief Valve	2,384.94	81.08
23 21 16 00-0333		**Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valves** *(23 21 16 00-0311)*		
23 21 16 00-0334	EA	1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	239.27	26.98
23 21 16 00-0335	EA	3/4" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	273.49	32.43
23 21 16 00-0336	EA	1" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	334.11	43.19
23 21 16 00-0337	EA	1-1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	427.41	51.89
23 21 16 00-0338	EA	2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	545.28	81.08
23 21 16 00-0339		**Threaded, Bronze Body, Temperature And Pressure Relief Valves** *(23 21 16)*		
23 21 16 00-0340	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	104.70	33.08
		For Cast Iron Body, Add	*63.31*	
23 21 16 00-0341	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	135.42	39.69
		For Cast Iron Body, Add	*88.20*	
23 21 16 00-0342	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	198.86	52.92
		For Cast Iron Body, Add	*140.48*	
23 21 16 00-0343	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	331.49	56.69
		For Cast Iron Body, Add	*298.54*	
23 21 16 00-0344	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	560.61	63.56
		For Cast Iron Body, Add	*571.09*	
23 21 16 00-0345	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	646.81	91.38
		For Cast Iron Body, Add	*621.88*	
23 21 16 00-0346		**Thermostatic Radiator Valves** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0347	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	101.00	20.94
23 21 16 00-0348	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	122.80	28.21
23 21 16 00-0349	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	163.64	34.15
23 21 16 00-0350	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	254.28	43.26
23 21 16 00-0351	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	101.00	20.94
23 21 16 00-0352	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	122.80	28.21
23 21 16 00-0353	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	163.64	34.15
23 21 16 00-0354	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	254.28	43.26
23 21 16 00-0355	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	103.41	16.22
23 21 16 00-0356	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	174.15	22.71
23 21 16 00-0357		**ASME Construction Compression Tanks** *(23 21 16)*		
		Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0358	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	1,564.11	228.39
		For Galvanized Steel Tanks, Add	*609.04*	
23 21 16 00-0359	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	1,592.87	234.88
		For Galvanized Steel Tanks, Add	*618.01*	
23 21 16 00-0360	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,747.84	242.66
		For Galvanized Steel Tanks, Add	*689.66*	
23 21 16 00-0361	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,923.30	251.75
		For Galvanized Steel Tanks, Add	*770.25*	
23 21 16 00-0362	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	2,265.20	266.02
		For Galvanized Steel Tanks, Add	*931.47*	
23 21 16 00-0363	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	2,353.18	276.40
		For Galvanized Steel Tanks, Add	*967.29*	
23 21 16 00-0364	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	2,945.21	301.06
		For Galvanized Steel Tanks, Add	*1,244.95*	
23 21 16 00-0365	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	3,212.41	323.12
		For Galvanized Steel Tanks, Add	*1,361.36*	
23 21 16 00-0366	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	4,025.70	364.64
		For Galvanized Steel Tanks, Add	*1,736.76*	
23 21 16 00-0367	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	5,147.02	417.84
		For Galvanized Steel Tanks, Add	*2,257.01*	
23 21 16 00-0368	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	6,193.93	463.26
		For Galvanized Steel Tanks, Add	*2,746.25*	
23 21 16 00-0369	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	6,775.30	503.48
		For Galvanized Steel Tanks, Add	*3,005.99*	
23 21 16 00-0370	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	8,622.51	552.80
		For Galvanized Steel Tanks, Add	*3,892.66*	
23 21 16 00-0371	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	8,880.45	590.44
		For Galvanized Steel Tanks, Add	*3,992.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0372	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	11,539.76	634.55
		For Galvanized Steel Tanks, Add	*5,289.27*	
23 21 16 00-0373	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	19,456.30	744.85
		For Galvanized Steel Tanks, Add	*9,163.96*	

23 21 16 00-0374 Compression Tank Air Fittings *(23 21 16)*

23 21 16 00-0375	EA	9" To 24" Diameter Compression Tank Air Fittings	281.96	36.33
23 21 16 00-0376	EA	>100 Gallon Compression Tank Air Fittings	927.18	42.83

23 21 16 00-0377 Vortex Air Separators With Strainer *(23 21 16)*

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0378	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	2,054.83	276.40
		For 300 PSIG, Add	*245.43*	
23 21 16 00-0379	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	2,552.53	316.63
		For 300 PSIG, Add	*310.79*	
23 21 16 00-0380	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	3,972.21	372.43
		For 300 PSIG, Add	*511.20*	
23 21 16 00-0381	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	4,247.54	394.35
		For 300 PSIG, Add	*547.51*	
23 21 16 00-0382	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,472.99	525.80
		For 300 PSIG, Add	*701.45*	
23 21 16 00-0383	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	6,920.52	625.45
		For 300 PSIG, Add	*896.06*	
23 21 16 00-0384	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	8,227.94	708.22
		For 300 PSIG, Add	*1,073.23*	
23 21 16 00-0385	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	11,918.34	849.64
		For 300 PSIG, Add	*1,594.60*	
23 21 16 00-0386	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	18,522.67	965.76
		For 300 PSIG, Add	*2,558.91*	
23 21 16 00-0387	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	25,012.68	1,249.74
		For 300 PSIG, Add	*3,467.85*	
23 21 16 00-0388	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	52,668.87	1,517.62
		For 300 PSIG, Add	*7,555.42*	
23 21 16 00-0389	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	65,048.83	1,821.14
		For 300 PSIG, Add	*9,343.43*	
23 21 16 00-0390	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	85,002.35	2,124.67
		For 300 PSIG, Add	*12,267.47*	
23 21 16 00-0391	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	99,485.83	2,428.19
		For 300 PSIG, Add	*14,371.01*	

23 21 16 00-0392 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0393	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,735.33	276.40
		For 300 PSIG, Add	*197.51*	
23 21 16 00-0394	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	2,203.99	316.63
		For 300 PSIG, Add	*258.51*	
23 21 16 00-0395	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,885.07	372.43
		For 300 PSIG, Add	*498.13*	
23 21 16 00-0396	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,482.68	394.35
		For 300 PSIG, Add	*432.78*	
23 21 16 00-0397	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,669.40	525.80
		For 300 PSIG, Add	*580.91*	
23 21 16 00-0398	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	6,078.20	625.45
		For 300 PSIG, Add	*769.71*	
23 21 16 00-0399	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	7,085.48	708.22
		For 300 PSIG, Add	*901.86*	
23 21 16 00-0400	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	9,478.52	849.64
		For 300 PSIG, Add	*1,228.63*	
23 21 16 00-0401	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	13,304.16	965.76
		For 300 PSIG, Add	*1,776.13*	
23 21 16 00-0402	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	20,628.01	1,249.74
		For 300 PSIG, Add	*2,810.15*	
23 21 16 00-0403	EA	14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	35,438.15	1,517.62
		For 300 PSIG, Add	*4,970.81*	
23 21 16 00-0404	EA	16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	44,949.65	1,821.14
		For 300 PSIG, Add	*6,328.55*	
23 21 16 00-0405	EA	18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F)	60,261.83	2,124.67
		For 300 PSIG, Add	*8,556.39*	
23 21 16 00-0406	EA	20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	82,661.48	2,428.19
		For 300 PSIG, Add	*11,847.36*	
23 21 16 00-0407	EA	22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	101,354.05	2,731.72
		For 300 PSIG, Add	*14,582.26*	
23 21 16 00-0408	EA	24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	120,046.62	3,035.23
		For 300 PSIG, Add	*17,317.17*	

23 21 16 00-0409 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

23 21 16 00-0410	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,740.78	315.47
23 21 16 00-0411	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	5,313.26	420.37
23 21 16 00-0412	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,731.13	499.89
23 21 16 00-0413	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	8,013.25	566.58
23 21 16 00-0414	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	11,641.44	679.90
23 21 16 00-0415	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	18,985.18	772.61
23 21 16 00-0416	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	28,996.45	999.90

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0417		**Grooved Vortex Air Separators** *(23 21 16)* Note: Without system strainer.		
23 21 16 00-0418	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	2,946.87	315.47
23 21 16 00-0419	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	4,509.67	420.37
23 21 16 00-0420	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	5,888.81	499.89
23 21 16 00-0421	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	6,870.79	566.58
23 21 16 00-0422	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	9,220.98	679.90
23 21 16 00-0423	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	13,689.21	772.61
23 21 16 00-0424	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	22,889.00	999.90
23 21 16 00-0425		**Removable Head, Air Eliminator And Dirt Separator** *(23 21 16)* Note: Spirovent VDN.		
23 21 16 00-0426	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,665.59	276.40
23 21 16 00-0427	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,973.87	316.63
23 21 16 00-0428	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,292.66	372.43
23 21 16 00-0429	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	6,087.38	570.97
23 21 16 00-0430	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	8,859.09	705.92
23 21 16 00-0431	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	11,372.96	799.36
23 21 16 00-0432	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	17,684.41	180.38
23 21 16 00-0433	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	26,026.13	1,090.03
23 21 16 00-0434	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	33,639.08	1,410.55
23 21 16 00-0435		**Air Eliminator And Dirt Separator** *(23 21 16)* Note: Spirovent VDT.		
23 21 16 00-0436	EA	2", 45 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	3,604.12	276.40
23 21 16 00-0437	EA	2-1/2", 70 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	3,984.52	316.63
23 21 16 00-0438	EA	3", 95 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	4,373.88	342.97
23 21 16 00-0439	EA	4", 170 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	4,966.45	525.80
23 21 16 00-0440	EA	5", 260 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	5,742.04	625.45
23 21 16 00-0441	EA	6", 375 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	6,227.90	708.22
23 21 16 00-0442		**High Velocity, Air Eliminator And Dirt Separator (Spirotherm)** *(23 21 16)*		
23 21 16 00-0443	EA	2", 105 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	3,922.50	276.40
23 21 16 00-0444	EA	2-1/2", 155 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	7,134.02	316.63
23 21 16 00-0445	EA	3", 225 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	7,397.68	342.97
23 21 16 00-0446	EA	4", 405 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	8,362.59	525.80
23 21 16 00-0447	EA	5", 630 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	9,731.04	680.59
23 21 16 00-0448	EA	6", 910 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	10,520.97	770.67
23 21 16 00-0449	EA	8", 1550 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT800FA)	26,843.05	924.54
23 21 16 00-0450	EA	10", 2450 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1000FA)	37,005.95	1,050.90
23 21 16 00-0451	EA	12", 3500 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1200FA)	45,883.55	1,359.93
23 21 16 00-0452	EA	14", 4300 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1400FA)	51,709.76	1,651.43
23 21 16 00-0453	EA	14", 4800 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VQT1632.150FA) Note: Custom	61,552.00	1,651.43
23 21 16 00-0454	EA	16", 5500 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1600FA)	63,433.26	1,981.71
23 21 16 00-0455		**Swivel Joints** *(23 21 16)*		
23 21 16 00-0456		**Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)** *(23 21 16 00-0455)* Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0457	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	366.80	34.13
23 21 16 00-0458	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	527.21	49.96
23 21 16 00-0459	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	737.01	58.40
23 21 16 00-0460	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,101.57	99.92
23 21 16 00-0461	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,394.12	113.54
		For Stainless Steel, Add	*1,750.55*	
23 21 16 00-0462	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,031.89	172.98
		For Stainless Steel, Add	*1,223.42*	
23 21 16 00-0463	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,392.87	138.00
23 21 16 00-0464	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,784.27	369.83
23 21 16 00-0465	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	3,285.06	467.16
23 21 16 00-0466		**Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)** *(23 21 16 00-0455)* Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0467	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	464.98	34.13
		For Stainless Steel, Add	*595.02*	
23 21 16 00-0468	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	573.58	49.96
		For Stainless Steel, Add	*710.64*	
23 21 16 00-0469	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	771.41	58.40
		For Stainless Steel, Add	*980.16*	
23 21 16 00-0470	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,240.69	99.92
		For Stainless Steel, Add	*1,561.58*	
23 21 16 00-0471	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,621.34	113.54
		For Stainless Steel, Add	*2,091.38*	
23 21 16 00-0472	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,063.33	172.98
		For Stainless Steel, Add	*1,270.58*	
23 21 16 00-0473	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,572.96	138.00
		For Stainless Steel, Add	*1,945.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0474	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,992.17	369.83
		For Stainless Steel, Add	*2,293.08*	
23 21 16 00-0475	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	3,428.63	467.16
		For Stainless Steel, Add	*4,263.89*	

23 21 16 00-0476 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) *(23 21 16 00-0455)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0477	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	546.00	34.13
		For Stainless Steel, Add	*716.55*	
23 21 16 00-0478	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	635.41	49.96
		For Stainless Steel, Add	*803.39*	
23 21 16 00-0479	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	926.82	58.40
		For Stainless Steel, Add	*1,213.28*	
23 21 16 00-0480	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,427.72	99.92
		For Stainless Steel, Add	*1,842.12*	
23 21 16 00-0481	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,683.17	113.54
		For Stainless Steel, Add	*2,184.12*	
23 21 16 00-0482	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,217.91	172.98
		For Stainless Steel, Add	*1,502.45*	
23 21 16 00-0483	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,764.62	138.00
		For Stainless Steel, Add	*2,232.80*	
23 21 16 00-0484	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,190.02	369.83
		For Stainless Steel, Add	*2,589.86*	
23 21 16 00-0485	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	3,853.70	467.16
		For Stainless Steel, Add	*4,901.49*	

23 21 16 00-0486 Basket Strainers *(23 21 16)*

23 21 16 00-0487 Bronze Body Basket Strainers *(23 21 16 00-0486)*

23 21 16 00-0488 Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0487)*

23 21 16 00-0489	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	341.88	25.96
		For Work In Restricted Working Space, Add	*15.45*	
23 21 16 00-0490	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	404.03	30.50
		For Work In Restricted Working Space, Add	*18.15*	
23 21 16 00-0491	EA	1" Screwed Ends, Bronze Body Basket Strainer	468.77	36.33
		For Work In Restricted Working Space, Add	*21.63*	
23 21 16 00-0492	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	583.34	40.23
		For Work In Restricted Working Space, Add	*24.11*	
23 21 16 00-0493	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	688.61	45.41
		For Work In Restricted Working Space, Add	*27.23*	
23 21 16 00-0494	EA	2" Screwed Ends, Bronze Body Basket Strainer	1,024.43	51.91
		For Work In Restricted Working Space, Add	*31.18*	
23 21 16 00-0495	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,448.80	69.43
		For Work In Restricted Working Space, Add	*41.76*	
23 21 16 00-0496	EA	3" Screwed Ends, Bronze Body Basket Strainer	2,036.11	73.97
		For Work In Restricted Working Space, Add	*44.29*	

23 21 16 00-0497 Flanged, Bronze Body Basket Strainers *(23 21 16 00-0487)*

23 21 16 00-0498	EA	2" Flanged, Bronze Body Basket Strainer	1,611.28	172.98
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0499	EA	2-1/2" Flanged, Bronze Body Basket Strainer	2,418.59	188.16
		For Work In Restricted Working Space, Add	*70.78*	
23 21 16 00-0500	EA	3" Flanged, Bronze Body Basket Strainer	2,743.44	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0501	EA	4" Flanged, Bronze Body Basket Strainer	4,638.97	369.83
		For Work In Restricted Working Space, Add	*139.04*	
23 21 16 00-0502	EA	6" Flanged, Bronze Body Basket Strainer	8,775.37	413.90
		For Work In Restricted Working Space, Add	*155.77*	
23 21 16 00-0503	EA	8" Flanged, Bronze Body Basket Strainer	15,983.05	528.87
		For Work In Restricted Working Space, Add	*197.09*	

23 21 16 00-0504 Iron Body Basket Strainers *(23 21 16 00-0486)*

23 21 16 00-0505 Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0504)*

23 21 16 00-0506	EA	1/2" Screwed Ends, Iron Body Basket Strainer	392.25	25.96
		For Work In Restricted Working Space, Add	*15.45*	
23 21 16 00-0507	EA	3/4" Screwed Ends, Iron Body Basket Strainer	441.90	30.50
		For Work In Restricted Working Space, Add	*18.15*	
23 21 16 00-0508	EA	1" Screwed Ends, Iron Body Basket Strainer	522.28	36.33
		For Work In Restricted Working Space, Add	*21.63*	
23 21 16 00-0509	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	683.74	40.23
		For Work In Restricted Working Space, Add	*24.11*	
23 21 16 00-0510	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	750.38	45.41
		For Work In Restricted Working Space, Add	*27.23*	
23 21 16 00-0511	EA	2" Screwed Ends, Iron Body Basket Strainer	891.73	51.91
		For Work In Restricted Working Space, Add	*31.18*	
23 21 16 00-0512	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,264.64	69.43
		For Work In Restricted Working Space, Add	*41.76*	
23 21 16 00-0513	EA	3" Screwed Ends, Iron Body Basket Strainer	1,429.38	73.97
		For Work In Restricted Working Space, Add	*44.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0514		**Flanged, Iron Body Basket Strainers** *(23 21 16 00-0504)*		
23 21 16 00-0515	EA	2" Flanged, Iron Body Basket Strainer	1,716.08	172.98
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0516	EA	2-1/2" Flanged, Iron Body Basket Strainer	2,257.40	188.16
		For Work In Restricted Working Space, Add	*70.78*	
23 21 16 00-0517	EA	3" Flanged, Iron Body Basket Strainer	2,427.97	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0518	EA	4" Flanged, Iron Body Basket Strainer	3,702.14	369.83
		For Work In Restricted Working Space, Add	*139.04*	
23 21 16 00-0519	EA	6" Flanged, Iron Body Basket Strainer	6,822.72	413.90
		For Work In Restricted Working Space, Add	*155.77*	
23 21 16 00-0520	EA	8" Flanged, Iron Body Basket Strainer	12,285.85	528.87
		For Work In Restricted Working Space, Add	*197.09*	
23 21 16 00-0521	EA	10" Flanged, Iron Body Basket Strainer	18,302.43	643.84
		For Work In Restricted Working Space, Add	*241.44*	
23 21 16 00-0522	EA	12" Flanged, Iron Body Basket Strainer	22,381.30	811.70
		For Work In Restricted Working Space, Add	*486.97*	
23 21 16 00-0523	EA	14" Flanged, Iron Body Basket Strainer	27,341.83	919.77
		For Work In Restricted Working Space, Add	*344.91*	
23 21 16 00-0524	EA	16" Flanged, Iron Body Basket Strainer	28,652.29	1,011.74
		For Work In Restricted Working Space, Add	*379.40*	
23 21 16 00-0525		**Cast Steel Body Basket Strainers** *(23 21 16 00-0486)*		
23 21 16 00-0526		**Screwed Ends, Cast Steel Body Basket Strainers** *(23 21 16 00-0525)*		
23 21 16 00-0527	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	1,126.65	36.33
		For Work In Restricted Working Space, Add	*21.63*	
23 21 16 00-0528	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	1,487.94	40.23
		For Work In Restricted Working Space, Add	*24.11*	
23 21 16 00-0529	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	1,677.02	45.41
		For Work In Restricted Working Space, Add	*27.22*	
23 21 16 00-0530	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	2,360.48	51.91
		For Work In Restricted Working Space, Add	*31.17*	
23 21 16 00-0531	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	3,311.77	69.43
		For Work In Restricted Working Space, Add	*41.75*	
23 21 16 00-0532	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	4,303.32	73.97
		For Work In Restricted Working Space, Add	*44.30*	
23 21 16 00-0533		**Flanged, Cast Steel Body Basket Strainers** *(23 21 16 00-0525)*		
23 21 16 00-0534	EA	2" Flanged, Cast Steel Body Basket Strainer	3,500.59	172.98
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0535	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	5,039.51	188.16
		For Work In Restricted Working Space, Add	*70.78*	
23 21 16 00-0536	EA	3" Flanged, Cast Steel Body Basket Strainer	5,526.52	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0537	EA	4" Flanged, Cast Steel Body Basket Strainer	7,836.39	369.83
		For Work In Restricted Working Space, Add	*139.04*	
23 21 16 00-0538	EA	6" Flanged, Cast Steel Body Basket Strainer	13,812.86	413.90
		For Work In Restricted Working Space, Add	*155.77*	
23 21 16 00-0539	EA	8" Flanged, Cast Steel Body Basket Strainer	22,440.67	528.87
		For Work In Restricted Working Space, Add	*197.09*	
23 21 16 00-0540		**Stainless Steel Body Basket Strainers** *(23 21 16 00-0486)*		
23 21 16 00-0541		**Screwed Ends, Stainless Steel Body Basket Strainers** *(23 21 16 00-0540)*		
23 21 16 00-0542	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	589.90	36.33
		For Work In Restricted Working Space, Add	*21.63*	
23 21 16 00-0543	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	846.83	40.23
		For Work In Restricted Working Space, Add	*24.11*	
23 21 16 00-0544	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	875.11	45.41
		For Work In Restricted Working Space, Add	*27.22*	
23 21 16 00-0545	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	1,290.75	51.91
		For Work In Restricted Working Space, Add	*31.17*	
23 21 16 00-0546	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,823.30	69.43
		For Work In Restricted Working Space, Add	*41.75*	
23 21 16 00-0547	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	2,570.04	73.97
		For Work In Restricted Working Space, Add	*44.30*	
23 21 16 00-0548		**Flanged, Stainless Steel Body Basket Strainers** *(23 21 16 00-0540)*		
23 21 16 00-0549	EA	2" Flanged, Stainless Steel Body Basket Strainer	1,982.44	172.98
		For Work In Restricted Working Space, Add	*64.88*	
23 21 16 00-0550	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	2,986.42	188.16
		For Work In Restricted Working Space, Add	*70.78*	
23 21 16 00-0551	EA	3" Flanged, Stainless Steel Body Basket Strainer	3,382.89	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0552	EA	4" Flanged, Stainless Steel Body Basket Strainer	5,718.35	369.83
		For Work In Restricted Working Space, Add	*139.04*	
23 21 16 00-0553	EA	6" Flanged, Stainless Steel Body Basket Strainer	8,721.99	413.90
		For Work In Restricted Working Space, Add	*155.77*	
23 21 16 00-0554	EA	8" Flanged, Stainless Steel Body Basket Strainer	15,114.36	528.87
		For Work In Restricted Working Space, Add	*197.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0555		Plastic Basket Strainers *(23 21 16 00-0486)*		
23 21 16 00-0556		Screwed Or Socket Ends, Simplex, Plastic Basket Strainers *(23 21 16 00-0555)*		
23 21 16 00-0557		Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0556)*		
23 21 16 00-0558	EA	1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	333.33	18.17
		For Work In Restricted Working Space, Add	*15.45*	
23 21 16 00-0559	EA	3/4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	342.34	21.16
		For Work In Restricted Working Space, Add	*18.15*	
23 21 16 00-0560	EA	1" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	353.94	25.17
		For Work In Restricted Working Space, Add	*21.63*	
23 21 16 00-0561	EA	1-1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	575.18	31.80
		For Work In Restricted Working Space, Add	*27.22*	
23 21 16 00-0562	EA	2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	597.51	36.33
		For Work In Restricted Working Space, Add	*31.17*	
23 21 16 00-0563	EA	3" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,265.87	51.91
		For Work In Restricted Working Space, Add	*44.30*	
23 21 16 00-0564	EA	4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,675.40	68.13
		For Work In Restricted Working Space, Add	*58.38*	
23 21 16 00-0565		Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0556)*		
23 21 16 00-0566	EA	1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	456.63	18.17
		For Work In Restricted Working Space, Add	*15.45*	
23 21 16 00-0567	EA	3/4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	465.64	21.16
		For Work In Restricted Working Space, Add	*18.15*	
23 21 16 00-0568	EA	1" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	477.24	25.17
		For Work In Restricted Working Space, Add	*21.63*	
23 21 16 00-0569	EA	1-1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	812.07	31.80
		For Work In Restricted Working Space, Add	*27.22*	
23 21 16 00-0570	EA	2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	839.38	36.33
		For Work In Restricted Working Space, Add	*31.17*	
23 21 16 00-0571	EA	3" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	408.82	51.91
		For Work In Restricted Working Space, Add	*44.30*	
23 21 16 00-0572	EA	4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,230.21	68.13
		For Work In Restricted Working Space, Add	*58.38*	
23 21 16 00-0573		Flanged, Simplex, Plastic Basket Strainers *(23 21 16 00-0555)*		
23 21 16 00-0574		Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0573)*		
23 21 16 00-0575	EA	1" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	549.99	113.54
		For Work In Restricted Working Space, Add	*68.11*	
23 21 16 00-0576	EA	1-1/2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	836.92	129.77
		For Work In Restricted Working Space, Add	*77.86*	
23 21 16 00-0577	EA	2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	890.39	151.18
		For Work In Restricted Working Space, Add	*90.70*	
23 21 16 00-0578	EA	3" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,618.25	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0579	EA	4" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	2,213.89	369.83
		For Work In Restricted Working Space, Add	*139.04*	
23 21 16 00-0580	EA	6" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	4,320.02	467.16
		For Work In Restricted Working Space, Add	*175.81*	
23 21 16 00-0581	EA	8" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	5,662.25	596.92
		For Work In Restricted Working Space, Add	*222.45*	
23 21 16 00-0582		Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0573)*		
23 21 16 00-0583	EA	1-1/2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,071.23	129.77
		For Work In Restricted Working Space, Add	*77.86*	
23 21 16 00-0584	EA	2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,130.98	151.18
		For Work In Restricted Working Space, Add	*90.70*	
23 21 16 00-0585	EA	3" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,238.28	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0586	EA	4" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,867.49	369.83
		For Work In Restricted Working Space, Add	*139.04*	
23 21 16 00-0587		Screwed Or Socket Ends, Duplex, Plastic Basket Strainers *(23 21 16 00-0555)*		
23 21 16 00-0588		Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0587)*		
23 21 16 00-0589	EA	1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,389.08	18.17
		For Work In Restricted Working Space, Add	*15.45*	
23 21 16 00-0590	EA	3/4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,398.09	21.16
		For Work In Restricted Working Space, Add	*18.15*	
23 21 16 00-0591	EA	1" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,409.69	25.17
		For Work In Restricted Working Space, Add	*21.63*	
23 21 16 00-0592	EA	1-1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,173.28	31.80
		For Work In Restricted Working Space, Add	*27.22*	
23 21 16 00-0593	EA	2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,186.47	36.33
		For Work In Restricted Working Space, Add	*31.17*	
23 21 16 00-0594	EA	3" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	4,850.55	51.91
		For Work In Restricted Working Space, Add	*44.30*	

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23 21 16 00-0595	EA	4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	6,398.10	68.13
		For Work In Restricted Working Space, Add	*58.38*	

23 21 16 00-0596 Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0587)*

23 21 16 00-0597	EA	1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,907.81	18.17
		For Work In Restricted Working Space, Add	*15.45*	
23 21 16 00-0598	EA	3/4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,916.82	21.16
		For Work In Restricted Working Space, Add	*18.15*	
23 21 16 00-0599	EA	1" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,928.42	25.17
		For Work In Restricted Working Space, Add	*21.63*	
23 21 16 00-0600	EA	1-1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,986.01	31.80
		For Work In Restricted Working Space, Add	*27.22*	
23 21 16 00-0601	EA	2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,999.20	36.33
		For Work In Restricted Working Space, Add	*31.17*	
23 21 16 00-0602	EA	3" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	5,826.73	51.91
		For Work In Restricted Working Space, Add	*44.30*	
23 21 16 00-0603	EA	4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	8,750.62	68.13
		For Work In Restricted Working Space, Add	*58.38*	

23 21 16 00-0604 Flanged, Duplex, Plastic Basket Strainers *(23 21 16 00-0555)*

23 21 16 00-0605 Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0604)*

23 21 16 00-0606	EA	1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,465.39	48.66
		For Work In Restricted Working Space, Add	*29.20*	
23 21 16 00-0607	EA	3/4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,497.83	64.88
		For Work In Restricted Working Space, Add	*38.93*	
23 21 16 00-0608	EA	1" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,595.08	113.54
		For Work In Restricted Working Space, Add	*68.11*	
23 21 16 00-0609	EA	1-1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,421.31	129.77
		For Work In Restricted Working Space, Add	*77.86*	
23 21 16 00-0610	EA	2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,464.12	151.18
		For Work In Restricted Working Space, Add	*90.70*	
23 21 16 00-0611	EA	3" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	5,146.56	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0612	EA	4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	6,878.70	369.83
		For Work In Restricted Working Space, Add	*139.04*	

23 21 16 00-0613 Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0604)*

23 21 16 00-0614	EA	1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,993.16	48.66
		For Work In Restricted Working Space, Add	*29.19*	
23 21 16 00-0615	EA	3/4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,025.57	64.88
		For Work In Restricted Working Space, Add	*38.92*	
23 21 16 00-0616	EA	1" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,122.87	113.54
		For Work In Restricted Working Space, Add	*68.11*	
23 21 16 00-0617	EA	1-1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,259.29	129.77
		For Work In Restricted Working Space, Add	*77.86*	
23 21 16 00-0618	EA	2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,302.10	151.18
		For Work In Restricted Working Space, Add	*90.70*	
23 21 16 00-0619	EA	3" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	7,188.94	220.61
		For Work In Restricted Working Space, Add	*82.83*	
23 21 16 00-0620	EA	4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	9,390.72	369.83
		For Work In Restricted Working Space, Add	*139.04*	

23 21 16 00-0621 Plastic Strainer Baskets *(23 21 16 00-0555)*

23 21 16 00-0622 Polyvinyl Chloride (PVC) Strainer Baskets *(23 21 16 00-0621)*

23 21 16 00-0623	EA	1/2", 3/4" Or 1" Polyvinyl Chloride (PVC) Strainer Basket	118.98
23 21 16 00-0624	EA	1-1/2", Or 2" Polyvinyl Chloride (PVC) Strainer Basket	145.95
23 21 16 00-0625	EA	3" Polyvinyl Chloride (PVC) Strainer Basket	327.54
23 21 16 00-0626	EA	4" Polyvinyl Chloride (PVC) Strainer Basket	371.72

23 21 16 00-0627 Chlorinated Polyvinyl Chloride (CPVC) Strainer Baskets *(23 21 16 00-0621)*

23 21 16 00-0628	EA	1/2", 3/4" Or 1" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	162.34
23 21 16 00-0629	EA	1-1/2" Or 2" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	203.28
23 21 16 00-0630	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	451.73
23 21 16 00-0631	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	501.14

23 21 16 00-0632 Air Vents *(23 21 16)*

23 21 16 00-0633 Screwed Ends, Cast Iron, Automatic Air Vents *(23 21 16 00-0632)*

Note: With guided free floating lever.

23 21 16 00-0634	EA	1/2" NPT, Cast Iron, Automatic Air Vent	335.68	37.63
23 21 16 00-0635	EA	3/4" NPT, Cast Iron, Automatic Air Vent	411.44	49.96
23 21 16 00-0636	EA	1" NPT, Cast Iron, Automatic Air Vent	928.64	51.91
23 21 16 00-0637	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,377.47	80.20
23 21 16 00-0638	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,289.70	86.30
23 21 16 00-0639	EA	2" NPT, Cast Iron, Automatic Air Vent	2,631.33	113.81

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0640		**Forged Steel, Stainless Steel Internals, Automatic Air Vents** *(23 21 16 00-0632)* Note: With guided free floating lever.		
23 21 16 00-0641	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,355.76	43.47
23 21 16 00-0642	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,952.85	49.96
23 21 16 00-0643	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,524.14	51.91
23 21 16 00-0644	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,782.76	80.45
23 21 16 00-0645	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,679.47	86.30
23 21 16 00-0646	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	9,821.03	113.54
23 21 16 00-0647		**Manual Air Vent** *(23 21 16 00-0632)*		
23 21 16 00-0648	EA	Manual Air Vent	88.58	46.84
23 21 16 00-0649		**Automatic Air Vent** *(23 21 16 00-0632)*		
23 21 16 00-0650	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	263.05	49.96
23 21 16 00-0651	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	287.74	51.91
23 21 16 00-0652	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	408.12	80.20
23 21 16 00-0653	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	503.26	86.30
23 21 16 00-0654	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	640.71	92.99
23 21 16 00-0655		**Air Release Valves** *(23 21 16 00-0632)*		
23 21 16 00-0656		**Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)** *(23 21 16 00-0655)* Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0657	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	206.13	19.47
23 21 16 00-0658	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	211.33	22.06
23 21 16 00-0659	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	221.70	27.25
23 21 16 00-0660		**Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)** *(23 21 16 00-0655)* Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0661	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	835.84	27.25
23 21 16 00-0662	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,005.05	47.37
23 21 16 00-0663	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,319.08	110.43
23 21 16 00-0664		**Cast Iron, Air/Vacuum Valves** *(23 21 16 00-0655)* Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0665	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	405.18	19.47
23 21 16 00-0666	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	500.37	27.25
23 21 16 00-0667	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	864.39	47.37
23 21 16 00-0668	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,255.38	110.43
23 21 16 00-0669	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,964.79	185.38
23 21 16 00-0670	EA	6" Flanged Cast Iron Air Release Valve (APCO 153)	2,986.82	234.42
23 21 16 00-0671		**Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice** *(23 21 16 00-0655)* Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0672	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	723.31	27.25
23 21 16 00-0673	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	1,111.21	47.37
23 21 16 00-0674	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	2,038.31	110.43
23 21 16 00-0675	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	2,646.87	185.38
23 21 23		**Hydronic Pumps** *(23 21)*		
23 21 23 13		**In-Line Centrifugal Hydronic Pumps** *(23 21 23)*		
23 21 23 13-0001		**Cast Iron Single Stage In-Line Centrifugal Pump** *(23 21 23 13)* Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	6,788.17	346.55
		For Mechanical Seal, Add	*459.92*	
		For Cast Steel Case, Add	*1,034.83*	
23 21 23 13-0003	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,421.00	419.44
		For Mechanical Seal, Add	*493.05*	
		For Cast Steel Case, Add	*1,109.36*	
23 21 23 13-0004	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	8,580.52	498.31
		For Mechanical Seal, Add	*566.94*	
		For Cast Steel Case, Add	*1,275.62*	
23 21 23 13-0005	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,633.43	664.41
		For Mechanical Seal, Add	*611.34*	
		For Cast Steel Case, Add	*1,375.52*	
23 21 23 13-0006	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	11,035.83	724.16
		For Mechanical Seal, Add	*709.05*	
		For Cast Steel Case, Add	*1,595.36*	
23 21 23 13-0007	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	16,436.14	797.05
		For Mechanical Seal, Add	*1,123.69*	
		For Cast Steel Case, Add	*2,528.31*	
23 21 23 13-0008	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	19,326.66	995.43
		For Mechanical Seal, Add	*1,307.13*	
		For Cast Steel Case, Add	*2,941.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0009	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	26,832.72	1,137.63
		For Mechanical Seal, Add	*1,873.48*	
		For Cast Steel Case, Add	*4,215.32*	
23 21 23 13-0010	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	34,074.59	1,192.25
		For Mechanical Seal, Add	*2,439.82*	
		For Cast Steel Case, Add	*5,489.59*	
23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	37,256.16	1,532.57
		For Mechanical Seal, Add	*2,612.58*	
		For Cast Steel Case, Add	*5,878.32*	

23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump *(23 21 23 13)*

Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.

23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,343.22	198.97
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,118.86	227.41
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,477.94	254.66
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,710.76	276.88
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,147.65	303.17
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,326.62	335.07
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,235.77	397.93
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,426.00	489.83
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	10,820.71	530.57
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	12,632.54	561.76
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,201.69	596.90
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,092.74	616.85
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,983.79	636.69
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	21,334.74	682.22
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	23,020.85	763.85
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	25,481.18	1,103.28
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	30,235.16	2,206.55
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	34,774.82	2,647.86

23 21 23 13-0031 Cast Iron Construction Straight Centrifugal Circulating Pump *(23 21 23 13)*

Note: Includes stainless steel impeller and buna-N elastomer.

23 21 23 13-0032 1-1/4" x 1" High Head *(23 21 23 13-0031)*

23 21 23 13-0033	EA	3/4 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,072.04	379.94
23 21 23 13-0034	EA	3/4 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,096.13	379.94
23 21 23 13-0035	EA	1.5 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,205.84	439.07
23 21 23 13-0036	EA	1.5 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,246.58	439.07

23 21 23 13-0037 1-1/2" x 1-1/4" High Head *(23 21 23 13-0031)*

23 21 23 13-0038	EA	2 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,339.72	460.80
23 21 23 13-0039	EA	2 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,373.21	460.80
23 21 23 13-0040	EA	3 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,501.82	506.07
23 21 23 13-0041	EA	3 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,534.40	506.07

23 21 23 13-0042 Stainless Steel Construction Straight Centrifugal Circulating Pump *(23 21 23 13)*

Note: Includes stainless steel impeller and viton elastomer.

23 21 23 13-0043 1-1/4" x 1" High Head *(23 21 23 13-0042)*

23 21 23 13-0044	EA	3/4 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,292.68	379.94
23 21 23 13-0045	EA	3/4 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,309.90	379.94
23 21 23 13-0046	EA	1.5 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,428.70	439.07
23 21 23 13-0047	EA	1.5 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,468.60	439.07

23 21 23 13-0048 1-1/2" x 1-1/4" High Head *(23 21 23 13-0042)*

23 21 23 13-0049	EA	2 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,631.37	460.80
23 21 23 13-0050	EA	2 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,665.04	460.80
23 21 23 13-0051	EA	3 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,793.62	506.07
23 21 23 13-0052	EA	3 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,827.25	506.07

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,738.77	378.81
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,556.61	379.29
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	9,960.35	498.31
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	10,920.22	613.03
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	12,217.62	613.03
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	11,889.77	664.41
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	12,627.39	664.41
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	13,795.33	696.68
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	15,364.20	885.49
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	16,264.67	995.43
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	24,927.16	2,319.62
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	36,091.71	2,783.04

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0014		EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	40,957.85	3,478.80

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016		EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	6,909.17	278.43
			For 300 Lb. Flanges, Add	*1,601.77*	
23 21 23 16-0017		EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	8,797.45	298.75
			For 300 Lb. Flanges, Add	*2,087.33*	
23 21 23 16-0018		EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	11,026.54	319.06
			For 300 Lb. Flanges, Add	*2,623.86*	
23 21 23 16-0019		EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,862.99	378.81
			For 300 Lb. Flanges, Add	*3,045.03*	
23 21 23 16-0020		EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,518.75	379.29
			For 300 Lb. Flanges, Add	*3,200.44*	
23 21 23 16-0021		EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,132.36	498.31
			For 300 Lb. Flanges, Add	*3,309.03*	
23 21 23 16-0022		EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,447.29	498.31
			For 300 Lb. Flanges, Add	*3,387.76*	
23 21 23 16-0023		EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,144.88	498.31
			For 300 Lb. Flanges, Add	*3,562.16*	
23 21 23 16-0024		EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,582.49	613.03
			For 300 Lb. Flanges, Add	*4,119.86*	
23 21 23 16-0025		EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,855.69	612.55
			For 300 Lb. Flanges, Add	*4,177.03*	
23 21 23 16-0026		EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,821.50	664.41
			For 300 Lb. Flanges, Add	*4,406.63*	
23 21 23 16-0027		EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	20,652.80	696.68
			For 300 Lb. Flanges, Add	*4,840.58*	
23 21 23 16-0028		EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	22,829.64	885.49
			For 300 Lb. Flanges, Add	*5,309.08*	
23 21 23 16-0029		EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	25,897.79	995.43
			For 300 Lb. Flanges, Add	*6,026.33*	
23 21 23 16-0030		EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	40,194.60	2,319.62
			For 300 Lb. Flanges, Add	*8,930.46*	
23 21 23 16-0031		EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	47,803.99	2,783.04
			For 300 Lb. Flanges, Add	*10,609.17*	
23 21 23 16-0032		EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	58,296.74	3,478.80
			For 300 Lb. Flanges, Add	*12,896.91*	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034		EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,626.23	278.43
			For 300 Lb. Flanges, Add	*1,531.03*	
23 21 23 16-0035		EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,803.50	298.75
			For 300 Lb. Flanges, Add	*1,566.43*	
23 21 23 16-0036		EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,980.93	319.06
			For 300 Lb. Flanges, Add	*1,601.83*	
23 21 23 16-0037		EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,580.91	326.23
			For 300 Lb. Flanges, Add	*1,748.30*	
23 21 23 16-0038		EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	12,351.18	378.81
			For 300 Lb. Flanges, Add	*2,917.08*	
23 21 23 16-0039		EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	14,959.32	498.31
			For 300 Lb. Flanges, Add	*3,546.09*	
23 21 23 16-0040		EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	16,822.61	537.74
			For 300 Lb. Flanges, Add	*3,981.59*	
23 21 23 16-0041		EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	17,799.58	597.49
			For 300 Lb. Flanges, Add	*4,174.13*	
23 21 23 16-0042		EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	19,813.68	596.70
			For 300 Lb. Flanges, Add	*4,685.15*	
23 21 23 16-0043		EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	22,209.00	766.86
			For 300 Lb. Flanges, Add	*5,207.34*	
23 21 23 16-0044		EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	28,135.34	928.09
			For 300 Lb. Flanges, Add	*6,586.56*	
23 21 23 16-0045		EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	35,911.44	1,159.19
			For 300 Lb. Flanges, Add	*8,418.77*	
23 21 23 16-0046		EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	45,165.89	1,391.52
			For 300 Lb. Flanges, Add	*10,620.56*	
23 21 23 16-0047		EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	53,533.73	1,545.59
			For 300 Lb. Flanges, Add	*12,637.97*	
23 21 23 16-0048		EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	61,599.36	1,987.88
			For 300 Lb. Flanges, Add	*14,441.40*	

23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.

23 21 23 16-0050		EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	41,965.03	613.03
			For 300 Lb. Flanges, Add	*10,215.49*	
23 21 23 16-0051		EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	45,302.89	664.41
			For 300 Lb. Flanges, Add	*11,026.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	60,437.97	881.10
		For 300 Lb. Flanges, Add	*14,706.05*	
23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	70,575.93	1,210.70
		For 300 Lb. Flanges, Add	*17,089.24*	
23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	97,922.82	1,614.26
		For 300 Lb. Flanges, Add	*23,741.05*	

23 21 23 16-0055 Cast Iron Close Coupling Pumps *(23 21 23 16)*

23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps *(23 21 23 16-0055)*

23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	6,034.76	358.50
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,565.38	358.50
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	7,298.61	378.42
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,768.00	378.42
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	8,923.98	397.93
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	10,577.23	479.06
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	13,881.54	590.15
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	14,861.04	638.73
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	17,206.77	689.83

23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*

23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	1,524.87	185.18
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	1,626.59	196.34
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	1,894.47	209.05
23 21 23 16-0070	EA	1 HP, Centrifugal Pump, Polypropylene Body	1,293.42	227.09

23 21 23 16-0071 Pumps, Polyvinylidene Fluoride (PVDF) Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*

23 21 23 16-0072	EA	1/2 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,226.47	196.34
23 21 23 16-0073	EA	3/4 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,314.42	209.05
23 21 23 16-0074	EA	1 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,436.75	227.09

23 21 23 16-0075 Pump, Stainless Steel Centrifugal Pump *(23 21 23 16)*

23 21 23 16-0076 Pump, 304 Stainless Steel Centrifugal Pump *(23 21 23 16-0075)*

Note: Carbon/ceramic seals with viton elastomer, 3450 RPM.

23 21 23 16-0077	EA	3/4 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	968.39	192.39
23 21 23 16-0078	EA	1 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,101.41	244.97
23 21 23 16-0079	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,267.35	298.75
23 21 23 16-0080	EA	2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,474.25	373.43
23 21 23 16-0081	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,273.27	298.75
23 21 23 16-0082	EA	2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,471.71	373.43
23 21 23 16-0083	EA	3 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,650.88	442.75
23 21 23 16-0084	EA	3 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	2,334.26	597.49
23 21 23 16-0085	EA	5 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	3,040.31	880.71
23 21 23 16-0086	EA	7-1/2 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	3,925.78	1,235.50
23 21 23 16-0087	EA	5 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 1-1/2" Discharge, Flanged, 3 Phase	3,003.94	880.71
23 21 23 16-0088	EA	7-1/2 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 1-1/2" Discharge, Flanged, 3 Phase	3,843.75	1,235.50
23 21 23 16-0089	EA	7-1/2 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 2" Discharge, Flanged, 3 Phase	3,856.43	1,235.50

23 21 23 16-0090 Pump, 316 Stainless Steel Centrifugal Pump With Viton Elastomer *(23 21 23 16-0075)*

23 21 23 16-0091	EA	1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	873.03	149.38
23 21 23 16-0092	EA	3/4 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	983.25	192.39
23 21 23 16-0093	EA	3/4 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,015.31	192.39
23 21 23 16-0094	EA	1 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	1,106.52	244.97
23 21 23 16-0095	EA	1 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,137.93	244.97
23 21 23 16-0096	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	1,236.70	298.75
23 21 23 16-0097	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,280.19	298.75
23 21 23 16-0098	EA	2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	1,406.47	373.43
23 21 23 16-0099	EA	2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,447.70	373.43

23 21 23 23 Vertical-Turbine Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps *(23 21 23 23)*

Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.

23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	13,493.03	885.49
		For Each Extra Column Assembly <60", Add	*1,132.55*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*486.61*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*351.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	15,565.82	995.43
		For Each Extra Column Assembly <60", Add	*1,298.80*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*569.09*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*413.44*	
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	18,655.24	928.09
		For Each Extra Column Assembly <60", Add	*1,558.98*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*679.65*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*493.10*	
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	22,019.14	1,070.97
		For Each Extra Column Assembly <60", Add	*1,830.34*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*811.95*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*591.76*	
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	27,144.02	1,159.19
		For Each Extra Column Assembly <60", Add	*2,246.07*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,011.22*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*739.78*	
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	35,712.24	1,391.52
		For Each Extra Column Assembly <60", Add	*2,946.43*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,339.03*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*981.91*	
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	42,734.00	1,739.40
		For Each Extra Column Assembly <60", Add	*3,530.54*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,597.54*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,170.20*	
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage	68,548.45	1,987.88
		For Each Extra Column Assembly <60", Add	*5,611.67*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,614.15*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,928.66*	
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage	89,922.01	2,319.62
		For Each Extra Column Assembly <60", Add	*7,342.85*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*3,447.79*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,548.57*	
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage	125,946.86	2,783.04
		For Each Extra Column Assembly <60", Add	*10,254.66*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*4,858.96*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*3,599.50*	

23 21 29 Automatic Condensate Pump Units *(23 21)*

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump *(23 21 29)*

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	245.78	38.83
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	266.80	38.83
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	417.12	44.81

23 21 29 00-0005 Automatic Condensate Pump With Tank *(23 21 29)*

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	134.20	29.88
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	143.18	29.88
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	238.90	38.83
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	257.72	44.81
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	478.00	50.79

23 22 Steam and Condensate Piping and Pumps *(23 20)*

23 22 16 Steam and Condensate Heating Piping Specialties *(23 22)*

23 22 16 00-0001 Steam Temperature Regulator, Iron Body *(23 22 16)*

23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

Note: Up to 150 PSI.

23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,413.19	18.68
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,487.57	25.16
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,973.88	31.00
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,180.09	39.18
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,237.56	45.01
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,643.51	48.97
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,368.44	89.70
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,510.73	97.82
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	8,033.78	228.97
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,418.69	268.75

23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,093.97	18.68
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,169.39	25.16
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,266.65	31.00
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,713.51	39.18
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,907.36	45.01
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,301.25	48.97
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,060.98	89.70
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,646.80	97.82
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,537.93	228.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	17,072.48	268.75
23 22 16 00-0024		**Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0001)*		
23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,853.02	18.68
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,895.32	25.16
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,169.07	31.00
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,451.50	39.18
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,577.16	45.01
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,035.24	48.97
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,467.42	89.70
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,848.10	97.82
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,672.34	228.97
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,202.93	268.75
23 22 16 00-0035		**Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0001)*		
23 22 16 00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,655.16	18.68
23 22 16 00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,693.47	25.16
23 22 16 00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,011.32	31.00
23 22 16 00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,181.42	39.18
23 22 16 00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,343.20	45.01
23 22 16 00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,729.09	48.97
23 22 16 00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,868.49	89.70
23 22 16 00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	11,405.82	97.82
23 22 16 00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,230.06	228.97
23 22 16 00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,760.66	268.75
23 22 16 00-0046		**High Temperature Safety Relief Valve** *(23 22 16)* Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047		**Cast Iron Body Safety Valve, Steam Or Water** *(23 22 16 00-0046)* Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range.		
23 22 16 00-0048		**Threaded** *(23 22 16 00-0047)*		
23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	529.67	19.46
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	554.96	23.02
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	613.07	29.19
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	755.33	32.43
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	966.63	39.88
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,495.94	45.40
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,621.78	52.21
23 22 16 00-0056		**Flanged** *(23 22 16 00-0047)*		
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,708.30	136.20
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,320.37	204.74
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,770.57	188.52
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,797.29	272.28
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,181.51	203.05
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	7,265.03	272.28
23 22 16 00-0063	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	12,153.16	386.39
23 22 16 00-0064	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	24,151.16	431.53
23 22 16 00-0065		**Bronze Body Safety Valve, Threaded, Steam** *(23 22 16 00-0046)* Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure.		
23 22 16 00-0066	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	575.63	17.84
23 22 16 00-0067	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	589.88	19.46
23 22 16 00-0068	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	690.15	21.40
23 22 16 00-0069	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	761.99	23.02
23 22 16 00-0070	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	881.50	25.95
23 22 16 00-0071	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	886.52	29.19
23 22 16 00-0072	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	996.73	30.81
23 22 16 00-0073	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,086.00	32.43
23 22 16 00-0074	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,506.22	36.32
23 22 16 00-0075	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,646.16	39.88
23 22 16 00-0076	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,963.77	45.40
23 22 16 00-0077		**Bronze Body Safety Valve, Threaded, Water** *(23 22 16 00-0046)* Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	272.60	17.84
23 22 16 00-0079	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	310.50	19.46
23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	429.13	21.40
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	472.39	23.02
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	682.01	25.95
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	919.27	30.81
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,339.39	36.32

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0085		**Steam Traps** *(23 22 16)*		
23 22 16 00-0086		**Inverted Bucket Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	349.11	38.93
		For Work In Restricted Working Space, Add	*23.36*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	352.35	40.55
		For Work In Restricted Working Space, Add	*24.33*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	523.15	43.21
		For Work In Restricted Working Space, Add	*25.95*	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	845.70	58.98
		For Work In Restricted Working Space, Add	*35.39*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,258.28	72.67
		For Work In Restricted Working Space, Add	*43.25*	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,606.42	108.14
		For Work In Restricted Working Space, Add	*64.88*	
23 22 16 00-0093		**Float And Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	368.99	40.55
		For Work In Restricted Working Space, Add	*24.33*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	485.65	43.25
		For Work In Restricted Working Space, Add	*25.95*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	600.92	58.98
		For Work In Restricted Working Space, Add	*35.39*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	879.19	72.09
		For Work In Restricted Working Space, Add	*43.25*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,484.29	108.10
		For Work In Restricted Working Space, Add	*64.88*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	469.22	40.55
		For Work In Restricted Working Space, Add	*24.33*	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	509.91	43.21
		For Work In Restricted Working Space, Add	*25.95*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	667.06	58.98
		For Work In Restricted Working Space, Add	*35.39*	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,039.27	72.02
		For Work In Restricted Working Space, Add	*43.25*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,632.04	108.13
		For Work In Restricted Working Space, Add	*64.88*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	608.15	40.55
		For Work In Restricted Working Space, Add	*24.33*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	677.51	43.25
		For Work In Restricted Working Space, Add	*25.95*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,030.94	58.98
		For Work In Restricted Working Space, Add	*35.39*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,239.75	72.02
		For Work In Restricted Working Space, Add	*43.25*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,048.82	108.14
		For Work In Restricted Working Space, Add	*64.88*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	616.97	40.55
		For Work In Restricted Working Space, Add	*24.33*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	677.51	43.25
		For Work In Restricted Working Space, Add	*25.95*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,030.94	58.98
		For Work In Restricted Working Space, Add	*35.39*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,239.75	72.02
		For Work In Restricted Working Space, Add	*43.25*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,048.82	108.13
		For Work In Restricted Working Space, Add	*64.88*	
23 22 16 00-0114		**Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	180.17	38.93
		For Work In Restricted Working Space, Add	*23.36*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	299.40	40.55
		For Work In Restricted Working Space, Add	*24.33*	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	369.29	43.21
		For Work In Restricted Working Space, Add	*25.96*	
23 22 16 00-0118		**Thermodynamic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	394.36	35.04
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	558.61	38.93
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	691.94	40.55
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	926.69	43.21
23 22 16 00-0123		**Steam Moisture Separator** *(23 22 16 00-0085)*		
23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	810.83	64.88
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	861.23	87.60
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,036.43	98.62
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,635.60	112.90
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,006.30	172.98
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,016.75	188.16
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,452.02	220.61
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	4,763.10	369.83
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	9,286.17	467.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0133		**Steam/Condensate Meter** *(23 22 16)* Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134	EA	1" Steam/Condensate Meter	12,880.23	107.49
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0135	EA	2" Steam/Condensate Meter	14,525.56	126.31
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter	15,376.30	156.76
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	3" Steam/Condensate Meter	16,252.12	206.04
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0138	EA	4" Steam/Condensate Meter	18,204.06	320.10
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	6" Steam/Condensate Meter	31,369.47	404.91
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	8" Steam/Condensate Meter	32,366.74	511.21
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	10" Steam/Condensate Meter	33,735.99	627.07
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	12" Steam/Condensate Meter	35,220.35	761.44
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0143	EA	14" Steam/Condensate Meter	37,379.80	895.80
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0144	EA	16" Steam/Condensate Meter	38,624.42	985.39
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 23		**Steam Condensate Pumps** *(23 22)*		
23 22 23 13		**Electric-Driven Steam Condensate Pumps** *(23 22 23)*		
23 22 23 13-0001		Simplex Condensate Pumps And Motors *(23 22 23 13)* Note: Cast iron receiver, float switch.		
23 22 23 13-0002		20 PSI Discharge Pressure *(23 22 23 13-0001)*		
23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,142.03	608.25
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,715.15	624.98
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,842.67	666.80
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,116.33	673.97
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,477.49	733.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,031.48	733.72
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,123.97	783.91
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,218.25	819.76
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,288.07	855.62
23 22 23 13-0012		**30 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,447.28	650.07
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,146.31	666.80
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,271.28	711.02
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,770.73	768.38
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,123.97	785.11
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,267.00	812.59
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,431.46	855.62
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,281.63	910.58
23 22 23 13-0021		**40 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,732.63	745.67
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,413.13	805.42
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,975.47	795.87
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,242.32	812.59
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,357.81	847.25
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,288.07	855.62
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,386.54	910.58
23 22 23 13-0029		**50 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,008.00	807.81
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,684.00	824.55
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,205.76	830.52
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,455.03	903.41
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,498.99	973.92
23 22 23 13-0035		**Duplex Condensate Pumps And Motors** *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		**20 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,489.41	816.18
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,705.15	896.24
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,030.65	903.41
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,498.10	984.67
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,175.52	984.67
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,307.47	1,061.15
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,435.74	1,107.76
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,626.77	1,162.73
23 22 23 13-0045		**30 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,478.64	879.51
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,699.20	960.77
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,196.16	936.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,307.47	1,061.15
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,489.43	1,100.58
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,379.91	1,162.73
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,752.24	1,246.38
23 22 23 13-0053		40 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,880.53	1,037.25
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,375.63	1,083.86
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,504.24	1,100.58
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,696.51	1,155.56
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,628.00	1,162.73
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,781.86	1,246.38
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,085.43	1,037.25
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,493.85	1,140.02
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,851.59	1,238.01
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,715.80	1,340.78
23 22 23 13-0065		Steam Condensate Pumps And Motors; ITT Bell & Gossett Series WC *(23 22 23 13)*		
		Note: Cast iron receiver, float switch		
23 22 23 13-0066	EA	9 GPM Steam Condensate Pump With 6 Gallon Cast Iron Receiver, Float Switch, 22 PSI Discharge Pressure; ITT WC6-20B	2,125.98	608.25
23 22 23 13-0067	EA	12 GPM Steam Condensate Pump With 9 Gallon Cast Iron Receiver, Float Switch, 21 PSI Discharge Pressure; ITT WC8-20B	2,205.38	624.98
23 22 23 13-0068	EA	18 GPM Steam Condensate Pump With 14 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure; ITT WC12-20B	2,621.73	666.80
23 22 23 33		**Steam Positive Displacement Pump** *(23 22 23)*		
		Note: Float operated		
23 22 23 33-0001	EA	Steam Positive Displacement Pump Receiver, Float Operated, Kadant LMHT-500	3,404.22	608.25
23 22 23 33-0002	EA	Steam Positive Displacement Pump Receiver, Float Operated, Kadant LMHT-1600	6,124.28	624.98

23 23 Refrigerant Piping *(23 20)*

23 23 13 Refrigerant Piping Valves *(23 23)*

23 23 13 00-0001		Ball Valves *(23 23 13)*		
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*		
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	52.15	12.97
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	54.24	12.97
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	72.35	12.97
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	96.88	14.27
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	135.40	16.22
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	220.19	19.97
23 23 13 00-0009		Shut-Off Valves *(23 23 13)*		
23 23 13 00-0010		Packless *(23 23 13 00-0009)*		
23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	68.75	13.50
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	85.83	14.80
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	175.40	20.24
23 23 13 00-0014		Packed *(23 23 13 00-0009)*		
23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	311.24	29.46
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	415.92	36.07
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	506.45	40.61
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	722.96	46.33
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	1,202.62	129.77
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	1,577.65	162.21
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	2,242.61	216.32
23 23 13 00-0022		Check Valves *(23 23 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	87.13	12.97
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	272.83	14.27
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	316.51	16.22
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	426.08	17.26
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	560.54	19.98
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	830.28	23.61
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	1,162.22	34.64
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	1,536.70	45.41

23 23 13 00-0031 Solenoid Valves *(23 23 13)*

23 23 13 00-0032 Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)*

23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	232.44	12.97
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	237.97	12.97
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	294.45	14.27
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	294.45	14.27
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	411.74	16.22
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	659.81	17.26
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,211.79	19.98
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,229.94	23.61

23 23 16 Refrigerant Piping Specialties *(23 23)*

23 23 16 00-0001 Soft Refrigeration Copper Tubing *(23 23 16)*

Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0368 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	5.38	3.09
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	5.64	3.17
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	5.89	3.26
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	6.30	3.31
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	6.48	3.36
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	7.27	3.53
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	7.98	3.57
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	8.72	3.69
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	11.22	4.34
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	14.22	4.97
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	20.46	5.88
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	24.64	6.58

23 23 16 00-0014 Type L Drawn, ACR Copper Tubing *(23 23 16)*

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0368 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	7.17	3.63
		For Medical Applications "Oxygen Clean", Add	*0.64*	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	8.02	3.63
		For Medical Applications "Oxygen Clean", Add	*0.68*	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.57	3.63
		For Medical Applications "Oxygen Clean", Add	*0.71*	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	12.38	5.45
		For Medical Applications "Oxygen Clean", Add	*1.02*	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	13.52	5.84
		For Medical Applications "Oxygen Clean", Add	*1.11*	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	15.66	5.84
		For Medical Applications "Oxygen Clean", Add	*1.22*	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	19.46	6.74
		For Medical Applications "Oxygen Clean", Add	*1.48*	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	23.53	7.79
		For Medical Applications "Oxygen Clean", Add	*1.76*	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	33.20	9.73
		For Medical Applications "Oxygen Clean", Add	*2.39*	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	49.80	14.66
		For Medical Applications "Oxygen Clean", Add	*3.59*	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	64.36	18.17
		For Medical Applications "Oxygen Clean", Add	*4.58*	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	80.90	21.53
		For Medical Applications "Oxygen Clean", Add	*5.66*	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	99.95	25.96
		For Medical Applications "Oxygen Clean", Add	*6.94*	

23 23 16 00-0028 Refrigeration Fittings *(23 23 16)*

23 23 16 00-0029 Brass Flare Fittings *(23 23 16 00-0028)*

23 23 16 00-0030 Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0031	EA	3/8" Brass Flare Union	32.60	14.01
23 23 16 00-0032	EA	1/2" Brass Flare Union	32.60	14.01
23 23 16 00-0033	EA	5/8" Brass Flare Union	35.60	14.01

23 23 16 00-0034 90 Degree Elbow Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	34.42	14.01
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	34.42	14.01
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	44.48	14.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0038		**Brass Flare Tees** *(23 23 16 00-0029)*		
23 23 16 00-0039	EA	3/8" Brass Flare Tee	52.19	23.35
23 23 16 00-0040	EA	1/2" Brass Flare Tee	56.68	23.35
23 23 16 00-0041	EA	5/8" Brass Flare Tee	81.10	23.35
23 23 16 00-0042		**Male Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	24.34	14.01
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	27.35	14.01
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	31.63	14.01
23 23 16 00-0046		**Female Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	28.21	14.01
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	32.28	14.01
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	32.28	14.01
23 23 16 00-0050		**Long Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	26.17	14.01
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	27.35	14.01
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	40.41	14.01
23 23 16 00-0054		**Short Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	24.47	14.01
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	27.18	14.01
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	27.74	14.01
23 23 16 00-0058		**ACR Wrought Copper Fittings** *(23 23 16 00-0028)* Note: Soldered.		
23 23 16 00-0059		**ACR Wrought Copper Coupling** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	23.65	14.01
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	23.17	14.01
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	23.88	14.01
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	24.47	14.66
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	35.52	19.33
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	34.64	19.86
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	46.73	24.66
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	67.81	33.74
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	82.15	39.58
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	109.92	48.01
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	194.85	72.93
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	260.38	95.90
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	435.85	113.94
23 23 16 00-0073		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	30.10	14.01
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	30.58	14.01
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	30.10	14.01
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	32.84	14.66
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	48.68	19.33
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	49.24	19.86
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	63.02	24.66
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	77.21	33.74
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	100.88	39.58
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	147.52	48.01
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	260.59	72.93
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	333.90	95.90
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	657.35	113.94
23 23 16 00-0087		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	38.16	14.01
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	33.90	14.01
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	37.28	14.01
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	36.73	14.66
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	43.94	19.33
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	48.73	19.86
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	67.49	24.66
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	100.20	33.74
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	125.98	39.58
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	247.09	48.01
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	386.62	72.93
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	511.01	95.90
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	1,154.46	113.94

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0101		ACR Wrought Copper 45 Degree Elbow *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	44.02	14.01
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	38.16	14.01
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	35.66	14.01
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	27.97	14.66
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	54.92	19.33
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	40.10	19.86
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	62.96	24.66
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	85.48	33.74
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	101.41	39.58
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	142.06	48.01
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	258.76	72.93
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	352.36	95.90
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	615.14	113.94
23 23 16 00-0115		ACR Wrought Copper Tee *(23 23 16 00-0058)*		
		Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	53.34	23.35
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	54.37	23.35
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	50.55	23.35
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	49.56	29.46
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	79.55	29.46
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	58.04	29.84
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	100.49	39.58
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	127.50	48.01
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	171.09	56.97
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	247.49	75.91
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	518.06	165.71
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	660.12	182.19
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	1,239.99	202.44
23 23 16 00-0129		ACR Wrought Copper Male Adapter *(23 23 16 00-0058)*		
		Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	49.84	14.01
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	59.20	14.01
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	43.64	14.01
23 23 16 00-0133		ACR Wrought Copper Female Adapter *(23 23 16 00-0058)*		
		Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	46.16	14.01
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	40.79	14.01
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	42.82	14.01
23 23 16 00-0137		ACR Wrought Copper Cap *(23 23 16 00-0058)*		
		Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	18.46	9.34
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	16.76	9.34
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	18.42	9.34
23 23 16 00-0141		ACR Wrought Copper P-Trap *(23 23 16 00-0058)*		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	141.59	11.95
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	197.03	13.14
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	165.19	13.14
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	230.96	14.34
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	404.82	14.34
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	582.46	15.54
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	1,091.31	16.73
23 23 16 00-0149		Sight Glass With Moisture And Liquid Indicator, Solder Connection *(23 23 16)*		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	64.55	17.93
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	78.30	21.51
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	94.52	26.29
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	104.03	29.88
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	140.08	38.24
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	162.24	46.61
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	249.15	54.97
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	307.82	75.29
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	378.02	93.21
23 23 16 00-0159		Filter Driers, Solder Connections *(23 23 16)*		
23 23 16 00-0160		Replaceable Core Type Filter Driers, Solder Connections *(23 23 16 00-0159)*		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	569.34	10.76
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	574.67	13.14
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	734.57	13.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	733.85	14.34
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	819.21	15.54
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	925.19	16.73
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,081.68	17.93
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,350.44	17.93
23 23 16 00-0169		**Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	95.27	10.76
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	121.74	10.76
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	155.24	11.95
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	179.40	11.95
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	197.50	11.95
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	226.73	11.95
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	255.32	13.14
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	371.19	13.14
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	404.77	13.14
23 23 16 00-0179		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	131.55	10.76
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	147.56	10.76
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	176.37	11.95
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	157.80	10.76
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	197.49	11.95
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	230.36	11.95
23 23 16 00-0186		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	119.71	10.76
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	132.21	10.76
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	159.24	10.76
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	213.70	13.14
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	279.10	13.14
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	331.76	14.34
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	420.17	15.54
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	764.90	16.73
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	856.92	17.93
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,060.87	17.93
23 23 16 00-0197		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0198		**Thermostatic Expansion Valves** *(23 23 16 00-0197)* Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	251.92	10.76
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	350.71	11.95
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	593.83	11.95
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	704.08	13.14
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	763.83	13.14
23 23 16 00-0204		**Electric Expansion Valves** *(23 23 16 00-0197)* Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve Note: Sporlan SEI.	616.29	14.93
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve Note: Sporlan SEI.	713.23	15.54
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve Note: Sporlan SEI.	810.72	16.13
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve Note: Sporlan SEH.	953.45	16.13
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve Note: Sporlan SEH.	1,073.40	16.73
23 23 16 00-0210		**Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0197)*		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	66.90	15.54
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	67.75	17.93
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	87.68	22.71
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	94.76	27.48
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	111.74	33.45
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	129.20	38.24
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	183.64	14.34
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	257.71	15.54
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	321.69	15.54
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	438.41	16.73
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	744.63	17.93
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	975.09	17.93
23 23 16 00-0223		**Accumulator, Refrigerant Suction Line** *(23 23 16)*		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	213.75	54.37
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	289.77	74.68
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	346.11	99.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	486.58	119.50
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	669.81	149.38
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	1,017.12	199.21
23 23 16 00-0230		Special Chemicals/Component *(23 23 16)*		
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	32.00	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	9.27	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	22.06	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	364.61	

23 23 23 Refrigerants *(23 23)*

23 23 23 00-0001		Refrigerant *(23 23 23)*		
23 23 23 00-0002	LB	R-123 Refrigerant	39.57	
23 23 23 00-0003	LB	R-134A Refrigerant	14.10	
23 23 23 00-0004	LB	R-404A Refrigerant	16.78	
23 23 23 00-0005	LB	R-407C Refrigerant	15.09	
23 23 23 00-0006	LB	R-408A Refrigerant	34.39	
23 23 23 00-0007	LB	R-410A Refrigerant	14.78	
23 23 23 00-0008	LB	R-500 Refrigerant	48.35	
23 23 23 00-0009	LB	R-507 Refrigerant	9.41	
23 23 23 00-0010	LB	R-32 Refrigerant	19.72	
23 23 23 00-0011	LB	R-452A Refrigerant	22.06	
23 23 23 00-0012	LB	R-453A Refrigerant	25.67	
23 23 23 00-0013	LB	R-454A Refrigerant	35.10	
23 23 23 00-0014	LB	R-454B Refrigerant	28.14	

23 25 HVAC Water Treatment *(23 20)*

23 25 13 Water Treatment for Closed-Loop Hydronic Systems *(23 25)*

23 25 13 00-0001		Polyethylene Chemical Storage Tanks *(23 25 13)*		
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	475.98	99.78
23 25 13 00-0003		Gas Chlorinator *(23 25 13)*		
23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,258.18	454.01
		For Booster Pump, Add	*502.98*	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,437.54	518.88
		For Booster Pump, Add	*574.96*	
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,952.38	393.05
		For Booster Pump, Add	*697.87*	
23 25 13 00-0007		Bypass Shot Feeders *(23 25 13)* Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008		In Line Mount, 125 PSIG *(23 25 13 00-0007)*		
23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,170.61	338.18
23 25 13 00-0010		Floor Mount, 175 PSIG *(23 25 13 00-0007)*		
23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,725.90	509.06
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	2,276.78	673.97
23 25 13 00-0013		Floor Mount, 150 Lb. ASME Code *(23 25 13 00-0007)*		
23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	1,725.90	509.06
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	2,276.78	673.97
23 25 13 00-0016		Floor Mount, 300 Lb. ASME Code *(23 25 13 00-0007)*		
23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,110.61	509.06
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,676.25	673.97

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts and Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0423 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0001		**Steel Sheet Metal Duct** *(23 31 13 13)* Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.		
23 31 13 13-0002		**Galvanized Steel Sheet Metal Ductwork And Sealant** *(23 31 13 13-0001)* Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF		
23 31 13 13-0003	LB	Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	13.40	3.54
		For Polyvinyl Chloride (PVC) Coated, Add	*0.50*	
		For Up To 200, Add	*4.77*	
		For >200 To 500, Add	*3.04*	
		For >500 To 1,000, Add	*2.05*	
		For >1,000 To 2,000, Add	*1.15*	
		For >2,000 To 5,000, Add	*0.51*	
		For Work In Restricted Working Space, Add	*3.27*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.64*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.62*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.60*	
23 31 13 13-0004	LB	Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	15.28	3.54
		For Polyvinyl Chloride (PVC) Coated, Add	*0.55*	
		For Up To 200, Add	*5.41*	
		For >200 To 500, Add	*3.44*	
		For >500 To 1,000, Add	*2.33*	
		For >1,000 To 2,000, Add	*1.30*	
		For >2,000 To 5,000, Add	*0.58*	
		For Work In Restricted Working Space, Add	*3.76*	
		For Elevated Installation >10' To 15', Add	*0.75*	
		For Elevated Installation >15' To 20', Add	*1.50*	
		For Elevated Installation >20' To 25', Add	*1.88*	
		For Elevated Installation >25' To 30', Add	*2.63*	
		For Elevated Installation >30' To 35', Add	*3.01*	
		For Elevated Installation >35' To 40', Add	*3.76*	
		For Elevated Installation >40', Add	*4.13*	
23 31 13 13-0005	LB	Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	18.24	3.54
		For Polyvinyl Chloride (PVC) Coated, Add	*0.60*	
		For Up To 200, Add	*6.37*	
		For >200 To 500, Add	*4.03*	
		For >500 To 1,000, Add	*2.76*	
		For >1,000 To 2,000, Add	*1.55*	
		For >2,000 To 5,000, Add	*0.70*	
		For Work In Restricted Working Space, Add	*4.58*	
		For Elevated Installation >10' To 15', Add	*0.92*	
		For Elevated Installation >15' To 20', Add	*1.83*	
		For Elevated Installation >20' To 25', Add	*2.29*	
		For Elevated Installation >25' To 30', Add	*3.20*	
		For Elevated Installation >30' To 35', Add	*3.66*	
		For Elevated Installation >35' To 40', Add	*4.58*	
		For Elevated Installation >40', Add	*5.03*	
23 31 13 13-0006		**Alloy 3003-H14, Aluminum Sheet Metal Ductwork** *(23 31 13 13-0001)* Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge – 0.901 LB/SF; 12 gauge – 0.141 LB/SF		
23 31 13 13-0007	LB	Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	26.14	3.54
		For Work In Restricted Working Space, Add	*6.46*	
		For Up To 200, Add	*9.23*	
		For >200 To 500, Add	*5.86*	
		For >500 To 1,000, Add	*3.98*	
		For >1,000 To 2,000, Add	*2.23*	
		For >2,000 To 5,000, Add	*1.00*	
		For Elevated Installation >10' To 15', Add	*1.29*	
		For Elevated Installation >15' To 20', Add	*2.58*	
		For Elevated Installation >20' To 25', Add	*3.23*	
		For Elevated Installation >25' To 30', Add	*4.52*	
		For Elevated Installation >30' To 35', Add	*5.17*	
		For Elevated Installation >35' To 40', Add	*6.46*	
		For Elevated Installation >40', Add	*7.10*	
23 31 13 13-0008	LB	Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	29.62	3.54
		For Work In Restricted Working Space, Add	*7.43*	
		For Up To 200, Add	*10.34*	
		For >200 To 500, Add	*6.55*	
		For >500 To 1,000, Add	*4.49*	
		For >1,000 To 2,000, Add	*2.52*	
		For >2,000 To 5,000, Add	*1.14*	
		For Elevated Installation >10' To 15', Add	*1.49*	
		For Elevated Installation >15' To 20', Add	*2.97*	
		For Elevated Installation >20' To 25', Add	*3.71*	
		For Elevated Installation >25' To 30', Add	*5.20*	
		For Elevated Installation >30' To 35', Add	*5.94*	
		For Elevated Installation >35' To 40', Add	*7.43*	
		For Elevated Installation >40', Add	*8.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0009	LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	35.25	3.54
		For Work In Restricted Working Space, Add	*9.04*	
		For Up To 200, Add	*12.11*	
		For >200 To 500, Add	*7.62*	
		For >500 To 1,000, Add	*5.29*	
		For >1,000 To 2,000, Add	*2.97*	
		For >2,000 To 5,000, Add	*1.36*	
		For Elevated Installation >10' To 15', Add	*1.81*	
		For Elevated Installation >15' To 20', Add	*3.62*	
		For Elevated Installation >20' To 25', Add	*4.52*	
		For Elevated Installation >25' To 30', Add	*6.33*	
		For Elevated Installation >30' To 35', Add	*7.23*	
		For Elevated Installation >35' To 40', Add	*9.04*	
		For Elevated Installation >40', Add	*9.95*	

23 31 13 13-0010 Type 304, Stainless Steel Sheet Metal Ductwork *(23 31 13 13-0001)*

Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge – 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge – 3.154 LB/SF; 12 gauge – 4.427 LB/SF

23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork	19.43	4.71
		For Work In Restricted Working Space, Add	*3.97*	
		For Welded Seams, Add	*6.93*	
		For Up To 200, Add	*7.69*	
		For >200 To 500, Add	*5.05*	
		For >500 To 1,000, Add	*3.15*	
		For >1,000 To 2,000, Add	*1.74*	
		For >2,000 To 5,000, Add	*0.72*	
		For Elevated Installation >10' To 15', Add	*0.79*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.98*	
		For Elevated Installation >25' To 30', Add	*2.78*	
		For Elevated Installation >30' To 35', Add	*3.18*	
		For Elevated Installation >35' To 40', Add	*3.97*	
		For Elevated Installation >40', Add	*4.37*	
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork	22.41	4.71
		For Work In Restricted Working Space, Add	*4.79*	
		For Welded Seams, Add	*8.30*	
		For Up To 200, Add	*8.66*	
		For >200 To 500, Add	*5.65*	
		For >500 To 1,000, Add	*3.59*	
		For >1,000 To 2,000, Add	*1.99*	
		For >2,000 To 5,000, Add	*0.83*	
		For Elevated Installation >10' To 15', Add	*0.96*	
		For Elevated Installation >15' To 20', Add	*1.92*	
		For Elevated Installation >20' To 25', Add	*2.39*	
		For Elevated Installation >25' To 30', Add	*3.35*	
		For Elevated Installation >30' To 35', Add	*3.83*	
		For Elevated Installation >35' To 40', Add	*4.79*	
		For Elevated Installation >40', Add	*5.27*	
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork	25.22	4.71
		For Work In Restricted Working Space, Add	*5.56*	
		For Welded Seams, Add	*9.60*	
		For Up To 200, Add	*9.58*	
		For >200 To 500, Add	*6.21*	
		For >500 To 1,000, Add	*4.00*	
		For >1,000 To 2,000, Add	*2.22*	
		For >2,000 To 5,000, Add	*0.94*	
		For Elevated Installation >10' To 15', Add	*1.11*	
		For Elevated Installation >15' To 20', Add	*2.22*	
		For Elevated Installation >20' To 25', Add	*2.78*	
		For Elevated Installation >25' To 30', Add	*3.89*	
		For Elevated Installation >30' To 35', Add	*4.44*	
		For Elevated Installation >35' To 40', Add	*5.56*	
		For Elevated Installation >40', Add	*6.11*	

23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF *(23 31 13 13-0001)*

Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45-degree elbows; 3' for 90-degree elbows, transition, taper, register box; 4' for 45-degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90-degree reducing elbow, 135-degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0016	LF	4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	14.29	7.27
		For Seal Class B, Add	*1.82*	
		For Seal Class A, Add	*3.88*	
		For Work In Restricted Working Space, Add	*3.64*	
23 31 13 13-0017	LF	4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	17.83	9.10
		For Seal Class B, Add	*2.27*	
		For Seal Class A, Add	*4.85*	
		For Work In Restricted Working Space, Add	*4.55*	
23 31 13 13-0018	LF	4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	21.41	10.92
		For Seal Class B, Add	*2.73*	
		For Seal Class A, Add	*5.82*	
		For Work In Restricted Working Space, Add	*5.46*	
23 31 13 13-0019	LF	4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.97	12.73
		For Seal Class B, Add	*3.18*	
		For Seal Class A, Add	*6.79*	
		For Work In Restricted Working Space, Add	*6.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0020	LF	4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.56	14.55
		For Seal Class B, Add	*3.64*	
		For Seal Class A, Add	*7.76*	
		For Work In Restricted Working Space, Add	*7.28*	
23 31 13 13-0021	LF	4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.11	16.38
		For Seal Class B, Add	*4.09*	
		For Seal Class A, Add	*8.73*	
		For Work In Restricted Working Space, Add	*8.19*	
23 31 13 13-0022	LF	4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.68	18.19
		For Seal Class B, Add	*4.55*	
		For Seal Class A, Add	*9.71*	
		For Work In Restricted Working Space, Add	*9.10*	
23 31 13 13-0023	LF	6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	21.41	10.92
		For Seal Class B, Add	*2.73*	
		For Seal Class A, Add	*5.82*	
		For Work In Restricted Working Space, Add	*5.46*	
23 31 13 13-0024	LF	6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.97	12.73
		For Seal Class B, Add	*3.18*	
		For Seal Class A, Add	*6.79*	
		For Work In Restricted Working Space, Add	*6.37*	
23 31 13 13-0025	LF	6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.56	14.55
		For Seal Class B, Add	*3.64*	
		For Seal Class A, Add	*7.76*	
		For Work In Restricted Working Space, Add	*7.28*	
23 31 13 13-0026	LF	6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.11	16.38
		For Seal Class B, Add	*4.09*	
		For Seal Class A, Add	*8.73*	
		For Work In Restricted Working Space, Add	*8.19*	
23 31 13 13-0027	LF	6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.68	18.19
		For Seal Class B, Add	*4.55*	
		For Seal Class A, Add	*9.71*	
		For Work In Restricted Working Space, Add	*9.10*	
23 31 13 13-0028	LF	6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.26	20.01
		For Seal Class B, Add	*5.00*	
		For Seal Class A, Add	*10.68*	
		For Work In Restricted Working Space, Add	*10.01*	
23 31 13 13-0029	LF	8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.56	14.55
		For Seal Class B, Add	*3.64*	
		For Seal Class A, Add	*7.76*	
		For Work In Restricted Working Space, Add	*7.28*	
23 31 13 13-0030	LF	8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.11	16.38
		For Seal Class B, Add	*4.09*	
		For Seal Class A, Add	*8.73*	
		For Work In Restricted Working Space, Add	*8.19*	
23 31 13 13-0031	LF	8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.68	18.19
		For Seal Class B, Add	*4.55*	
		For Seal Class A, Add	*9.71*	
		For Work In Restricted Working Space, Add	*9.10*	
23 31 13 13-0032	LF	8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.26	20.01
		For Seal Class B, Add	*5.00*	
		For Seal Class A, Add	*10.68*	
		For Work In Restricted Working Space, Add	*10.01*	
23 31 13 13-0033	LF	8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.80	21.83
		For Seal Class B, Add	*5.46*	
		For Seal Class A, Add	*11.64*	
		For Work In Restricted Working Space, Add	*10.91*	
23 31 13 13-0034	LF	8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.39	23.65
		For Seal Class B, Add	*5.91*	
		For Seal Class A, Add	*12.61*	
		For Work In Restricted Working Space, Add	*11.83*	
23 31 13 13-0035	LF	8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.94	25.47
		For Seal Class B, Add	*6.37*	
		For Seal Class A, Add	*13.58*	
		For Work In Restricted Working Space, Add	*12.74*	
23 31 13 13-0036	LF	8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.52	27.29
		For Seal Class B, Add	*6.82*	
		For Seal Class A, Add	*14.55*	
		For Work In Restricted Working Space, Add	*13.64*	
23 31 13 13-0037	LF	8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.08	29.11
		For Seal Class B, Add	*7.28*	
		For Seal Class A, Add	*15.52*	
		For Work In Restricted Working Space, Add	*14.55*	
23 31 13 13-0038	LF	10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.68	18.19
		For Seal Class B, Add	*4.55*	
		For Seal Class A, Add	*9.71*	
		For Work In Restricted Working Space, Add	*9.10*	
23 31 13 13-0039	LF	10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.26	20.01
		For Seal Class B, Add	*5.00*	
		For Seal Class A, Add	*10.68*	
		For Work In Restricted Working Space, Add	*10.01*	
23 31 13 13-0040	LF	10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.80	21.83
		For Seal Class B, Add	*5.46*	
		For Seal Class A, Add	*11.64*	
		For Work In Restricted Working Space, Add	*10.91*	
23 31 13 13-0041	LF	10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.39	23.65
		For Seal Class B, Add	*5.91*	
		For Seal Class A, Add	*12.61*	
		For Work In Restricted Working Space, Add	*11.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0042	LF	10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.94	25.47
		For Seal Class B, Add	*6.37*	
		For Seal Class A, Add	*13.58*	
		For Work In Restricted Working Space, Add	*12.74*	
23 31 13 13-0043	LF	10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.52	27.29
		For Seal Class B, Add	*6.82*	
		For Seal Class A, Add	*14.55*	
		For Work In Restricted Working Space, Add	*13.64*	
23 31 13 13-0044	LF	10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.08	29.11
		For Seal Class B, Add	*7.28*	
		For Seal Class A, Add	*15.52*	
		For Work In Restricted Working Space, Add	*14.55*	
23 31 13 13-0045	LF	10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.67	30.92
		For Seal Class B, Add	*7.73*	
		For Seal Class A, Add	*16.50*	
		For Work In Restricted Working Space, Add	*15.47*	
23 31 13 13-0046	LF	12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.80	21.83
		For Seal Class B, Add	*5.46*	
		For Seal Class A, Add	*11.64*	
		For Work In Restricted Working Space, Add	*10.91*	
23 31 13 13-0047	LF	12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.39	23.65
		For Seal Class B, Add	*5.91*	
		For Seal Class A, Add	*12.61*	
		For Work In Restricted Working Space, Add	*11.83*	
23 31 13 13-0048	LF	12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.94	25.47
		For Seal Class B, Add	*6.37*	
		For Seal Class A, Add	*13.58*	
		For Work In Restricted Working Space, Add	*12.74*	
23 31 13 13-0049	LF	12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.52	27.29
		For Seal Class B, Add	*6.82*	
		For Seal Class A, Add	*14.55*	
		For Work In Restricted Working Space, Add	*13.64*	
23 31 13 13-0050	LF	12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.08	29.11
		For Seal Class B, Add	*7.28*	
		For Seal Class A, Add	*15.52*	
		For Work In Restricted Working Space, Add	*14.55*	
23 31 13 13-0051	LF	12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.67	30.92
		For Seal Class B, Add	*7.73*	
		For Seal Class A, Add	*16.50*	
		For Work In Restricted Working Space, Add	*15.47*	
23 31 13 13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.23	32.75
		For Seal Class B, Add	*8.19*	
		For Seal Class A, Add	*17.47*	
		For Work In Restricted Working Space, Add	*16.38*	
23 31 13 13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.94	25.47
		For Seal Class B, Add	*6.37*	
		For Seal Class A, Add	*13.58*	
		For Work In Restricted Working Space, Add	*12.74*	
23 31 13 13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.52	27.29
		For Seal Class B, Add	*6.82*	
		For Seal Class A, Add	*14.55*	
		For Work In Restricted Working Space, Add	*13.64*	
23 31 13 13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.08	29.11
		For Seal Class B, Add	*7.28*	
		For Seal Class A, Add	*15.52*	
		For Work In Restricted Working Space, Add	*14.55*	
23 31 13 13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.67	30.92
		For Seal Class B, Add	*7.73*	
		For Seal Class A, Add	*16.50*	
		For Work In Restricted Working Space, Add	*15.47*	
23 31 13 13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.23	32.75
		For Seal Class B, Add	*8.19*	
		For Seal Class A, Add	*17.47*	
		For Work In Restricted Working Space, Add	*16.38*	
23 31 13 13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.80	34.57
		For Seal Class B, Add	*8.64*	
		For Seal Class A, Add	*18.44*	
		For Work In Restricted Working Space, Add	*17.28*	
23 31 13 13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.08	29.11
		For Seal Class B, Add	*7.28*	
		For Seal Class A, Add	*15.52*	
		For Work In Restricted Working Space, Add	*14.55*	
23 31 13 13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.67	30.92
		For Seal Class B, Add	*7.73*	
		For Seal Class A, Add	*16.50*	
		For Work In Restricted Working Space, Add	*15.47*	
23 31 13 13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.23	32.75
		For Seal Class B, Add	*8.19*	
		For Seal Class A, Add	*17.47*	
		For Work In Restricted Working Space, Add	*16.38*	
23 31 13 13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.80	34.57
		For Seal Class B, Add	*8.64*	
		For Seal Class A, Add	*18.44*	
		For Work In Restricted Working Space, Add	*17.28*	
23 31 13 13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.36	36.38
		For Seal Class B, Add	*9.10*	
		For Seal Class A, Add	*19.40*	
		For Work In Restricted Working Space, Add	*18.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.23	32.75
		For Seal Class B, Add	*8.19*	
		For Seal Class A, Add	*17.47*	
		For Work In Restricted Working Space, Add	*16.38*	
23 31 13 13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.80	34.57
		For Seal Class B, Add	*8.64*	
		For Seal Class A, Add	*18.44*	
		For Work In Restricted Working Space, Add	*17.28*	
23 31 13 13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.36	36.38
		For Seal Class B, Add	*9.10*	
		For Seal Class A, Add	*19.40*	
		For Work In Restricted Working Space, Add	*18.19*	
23 31 13 13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.91	38.21
		For Seal Class B, Add	*9.55*	
		For Seal Class A, Add	*20.37*	
		For Work In Restricted Working Space, Add	*19.10*	
23 31 13 13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.36	36.38
		For Seal Class B, Add	*9.10*	
		For Seal Class A, Add	*19.40*	
		For Work In Restricted Working Space, Add	*18.19*	
23 31 13 13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.91	38.21
		For Seal Class B, Add	*9.55*	
		For Seal Class A, Add	*20.37*	
		For Work In Restricted Working Space, Add	*19.10*	
23 31 13 13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.49	40.02
		For Seal Class B, Add	*10.01*	
		For Seal Class A, Add	*21.34*	
		For Work In Restricted Working Space, Add	*20.01*	
23 31 13 13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.49	40.02
		For Seal Class B, Add	*10.01*	
		For Seal Class A, Add	*21.34*	
		For Work In Restricted Working Space, Add	*20.01*	
23 31 13 13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.06	41.84
		For Seal Class B, Add	*10.46*	
		For Seal Class A, Add	*22.32*	
		For Work In Restricted Working Space, Add	*20.92*	
23 31 13 13-0073	LF	24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.65	43.67
		For Seal Class B, Add	*10.92*	
		For Seal Class A, Add	*23.29*	
		For Work In Restricted Working Space, Add	*21.83*	

23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0075	LF	4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	16.98	8.66
		For Seal Class B, Add	*2.17*	
		For Seal Class A, Add	*4.62*	
		For Work In Restricted Working Space, Add	*4.33*	
23 31 13 13-0076	LF	4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	21.25	10.83
		For Seal Class B, Add	*2.71*	
		For Seal Class A, Add	*5.78*	
		For Work In Restricted Working Space, Add	*5.42*	
23 31 13 13-0077	LF	4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.49	12.99
		For Seal Class B, Add	*3.25*	
		For Seal Class A, Add	*6.93*	
		For Work In Restricted Working Space, Add	*6.50*	
23 31 13 13-0078	LF	4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.72	15.16
		For Seal Class B, Add	*3.79*	
		For Seal Class A, Add	*8.09*	
		For Work In Restricted Working Space, Add	*7.58*	
23 31 13 13-0079	LF	4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.99	17.34
		For Seal Class B, Add	*4.33*	
		For Seal Class A, Add	*9.24*	
		For Work In Restricted Working Space, Add	*8.66*	
23 31 13 13-0080	LF	4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.23	19.49
		For Seal Class B, Add	*4.87*	
		For Seal Class A, Add	*10.40*	
		For Work In Restricted Working Space, Add	*9.75*	
23 31 13 13-0081	LF	4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.47	21.66
		For Seal Class B, Add	*5.42*	
		For Seal Class A, Add	*11.55*	
		For Work In Restricted Working Space, Add	*10.83*	
23 31 13 13-0082	LF	6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.49	12.99
		For Seal Class B, Add	*3.25*	
		For Seal Class A, Add	*6.93*	
		For Work In Restricted Working Space, Add	*6.50*	
23 31 13 13-0083	LF	6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.72	15.16
		For Seal Class B, Add	*3.79*	
		For Seal Class A, Add	*8.09*	
		For Work In Restricted Working Space, Add	*7.58*	
23 31 13 13-0084	LF	6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.99	17.34
		For Seal Class B, Add	*4.33*	
		For Seal Class A, Add	*9.24*	
		For Work In Restricted Working Space, Add	*8.66*	
23 31 13 13-0085	LF	6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.23	19.49
		For Seal Class B, Add	*4.87*	
		For Seal Class A, Add	*10.40*	
		For Work In Restricted Working Space, Add	*9.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0086	LF	6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.47	21.66
		For Seal Class B, Add	*5.42*	
		For Seal Class A, Add	*11.55*	
		For Work In Restricted Working Space, Add	*10.83*	
23 31 13 13-0087	LF	6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.73	23.83
		For Seal Class B, Add	*5.96*	
		For Seal Class A, Add	*12.71*	
		For Work In Restricted Working Space, Add	*11.91*	
23 31 13 13-0088	LF	8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.99	17.34
		For Seal Class B, Add	*4.33*	
		For Seal Class A, Add	*9.24*	
		For Work In Restricted Working Space, Add	*8.66*	
23 31 13 13-0089	LF	8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.23	19.49
		For Seal Class B, Add	*4.87*	
		For Seal Class A, Add	*10.40*	
		For Work In Restricted Working Space, Add	*9.75*	
23 31 13 13-0090	LF	8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.47	21.66
		For Seal Class B, Add	*5.42*	
		For Seal Class A, Add	*11.55*	
		For Work In Restricted Working Space, Add	*10.83*	
23 31 13 13-0091	LF	8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.73	23.83
		For Seal Class B, Add	*5.96*	
		For Seal Class A, Add	*12.71*	
		For Work In Restricted Working Space, Add	*11.91*	
23 31 13 13-0092	LF	8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.97	25.99
		For Seal Class B, Add	*6.50*	
		For Seal Class A, Add	*13.86*	
		For Work In Restricted Working Space, Add	*13.00*	
23 31 13 13-0093	LF	8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.21	28.15
		For Seal Class B, Add	*7.04*	
		For Seal Class A, Add	*15.02*	
		For Work In Restricted Working Space, Add	*14.08*	
23 31 13 13-0094	LF	8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.48	30.33
		For Seal Class B, Add	*7.58*	
		For Seal Class A, Add	*16.17*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0095	LF	8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.70	32.49
		For Seal Class B, Add	*8.12*	
		For Seal Class A, Add	*17.32*	
		For Work In Restricted Working Space, Add	*16.24*	
23 31 13 13-0096	LF	8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.97	34.65
		For Seal Class B, Add	*8.66*	
		For Seal Class A, Add	*18.48*	
		For Work In Restricted Working Space, Add	*17.33*	
23 31 13 13-0097	LF	10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.47	21.66
		For Seal Class B, Add	*5.42*	
		For Seal Class A, Add	*11.55*	
		For Work In Restricted Working Space, Add	*10.83*	
23 31 13 13-0098	LF	10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.73	23.83
		For Seal Class B, Add	*5.96*	
		For Seal Class A, Add	*12.71*	
		For Work In Restricted Working Space, Add	*11.91*	
23 31 13 13-0099	LF	10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.97	25.99
		For Seal Class B, Add	*6.50*	
		For Seal Class A, Add	*13.86*	
		For Work In Restricted Working Space, Add	*13.00*	
23 31 13 13-0100	LF	10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.21	28.15
		For Seal Class B, Add	*7.04*	
		For Seal Class A, Add	*15.02*	
		For Work In Restricted Working Space, Add	*14.08*	
23 31 13 13-0101	LF	10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.48	30.33
		For Seal Class B, Add	*7.58*	
		For Seal Class A, Add	*16.17*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0102	LF	10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.70	32.49
		For Seal Class B, Add	*8.12*	
		For Seal Class A, Add	*17.32*	
		For Work In Restricted Working Space, Add	*16.24*	
23 31 13 13-0103	LF	10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.97	34.65
		For Seal Class B, Add	*8.66*	
		For Seal Class A, Add	*18.48*	
		For Work In Restricted Working Space, Add	*17.33*	
23 31 13 13-0104	LF	10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.23	36.83
		For Seal Class B, Add	*9.21*	
		For Seal Class A, Add	*19.64*	
		For Work In Restricted Working Space, Add	*18.41*	
23 31 13 13-0105	LF	12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.97	25.99
		For Seal Class B, Add	*6.50*	
		For Seal Class A, Add	*13.86*	
		For Work In Restricted Working Space, Add	*13.00*	
23 31 13 13-0106	LF	12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.21	28.15
		For Seal Class B, Add	*7.04*	
		For Seal Class A, Add	*15.02*	
		For Work In Restricted Working Space, Add	*14.08*	
23 31 13 13-0107	LF	12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.48	30.33
		For Seal Class B, Add	*7.58*	
		For Seal Class A, Add	*16.17*	
		For Work In Restricted Working Space, Add	*15.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0108	LF	12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.70	32.49
		For Seal Class B, Add	*8.12*	
		For Seal Class A, Add	*17.32*	
		For Work In Restricted Working Space, Add	*16.24*	
23 31 13 13-0109	LF	12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.97	34.65
		For Seal Class B, Add	*8.66*	
		For Seal Class A, Add	*18.48*	
		For Work In Restricted Working Space, Add	*17.33*	
23 31 13 13-0110	LF	12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.23	36.83
		For Seal Class B, Add	*9.21*	
		For Seal Class A, Add	*19.64*	
		For Work In Restricted Working Space, Add	*18.41*	
23 31 13 13-0111	LF	12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.46	38.98
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.79*	
		For Work In Restricted Working Space, Add	*19.49*	
23 31 13 13-0112	LF	14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.48	30.33
		For Seal Class B, Add	*7.58*	
		For Seal Class A, Add	*16.17*	
		For Work In Restricted Working Space, Add	*15.16*	
23 31 13 13-0113	LF	14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.70	32.49
		For Seal Class B, Add	*8.12*	
		For Seal Class A, Add	*17.32*	
		For Work In Restricted Working Space, Add	*16.24*	
23 31 13 13-0114	LF	14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.97	34.65
		For Seal Class B, Add	*8.66*	
		For Seal Class A, Add	*18.48*	
		For Work In Restricted Working Space, Add	*17.33*	
23 31 13 13-0115	LF	14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.23	36.83
		For Seal Class B, Add	*9.21*	
		For Seal Class A, Add	*19.64*	
		For Work In Restricted Working Space, Add	*18.41*	
23 31 13 13-0116	LF	14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.46	38.98
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.79*	
		For Work In Restricted Working Space, Add	*19.49*	
23 31 13 13-0117	LF	14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.72	41.15
		For Seal Class B, Add	*10.29*	
		For Seal Class A, Add	*21.95*	
		For Work In Restricted Working Space, Add	*20.58*	
23 31 13 13-0118	LF	16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.97	34.65
		For Seal Class B, Add	*8.66*	
		For Seal Class A, Add	*18.48*	
		For Work In Restricted Working Space, Add	*17.33*	
23 31 13 13-0119	LF	16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.23	36.83
		For Seal Class B, Add	*9.21*	
		For Seal Class A, Add	*19.64*	
		For Work In Restricted Working Space, Add	*18.41*	
23 31 13 13-0120	LF	16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.46	38.98
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.79*	
		For Work In Restricted Working Space, Add	*19.49*	
23 31 13 13-0121	LF	16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.72	41.15
		For Seal Class B, Add	*10.29*	
		For Seal Class A, Add	*21.95*	
		For Work In Restricted Working Space, Add	*20.58*	
23 31 13 13-0122	LF	16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.95	43.32
		For Seal Class B, Add	*10.83*	
		For Seal Class A, Add	*23.10*	
		For Work In Restricted Working Space, Add	*21.66*	
23 31 13 13-0123	LF	18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.46	38.98
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.79*	
		For Work In Restricted Working Space, Add	*19.49*	
23 31 13 13-0124	LF	18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.72	41.15
		For Seal Class B, Add	*10.29*	
		For Seal Class A, Add	*21.95*	
		For Work In Restricted Working Space, Add	*20.58*	
23 31 13 13-0125	LF	18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.95	43.32
		For Seal Class B, Add	*10.83*	
		For Seal Class A, Add	*23.10*	
		For Work In Restricted Working Space, Add	*21.66*	
23 31 13 13-0126	LF	18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.20	45.49
		For Seal Class B, Add	*11.37*	
		For Seal Class A, Add	*24.26*	
		For Work In Restricted Working Space, Add	*22.74*	
23 31 13 13-0127	LF	20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.95	43.32
		For Seal Class B, Add	*10.83*	
		For Seal Class A, Add	*23.10*	
		For Work In Restricted Working Space, Add	*21.66*	
23 31 13 13-0128	LF	20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.20	45.49
		For Seal Class B, Add	*11.37*	
		For Seal Class A, Add	*24.26*	
		For Work In Restricted Working Space, Add	*22.74*	
23 31 13 13-0129	LF	20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.46	47.65
		For Seal Class B, Add	*11.91*	
		For Seal Class A, Add	*25.41*	
		For Work In Restricted Working Space, Add	*23.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0130	LF	22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.46	47.65
		For Seal Class B, Add	*11.91*	
		For Seal Class A, Add	*25.41*	
		For Work In Restricted Working Space, Add	*23.83*	
23 31 13 13-0131	LF	22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.69	49.82
		For Seal Class B, Add	*12.45*	
		For Seal Class A, Add	*26.57*	
		For Work In Restricted Working Space, Add	*24.91*	
23 31 13 13-0132	LF	24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.94	51.99
		For Seal Class B, Add	*13.00*	
		For Seal Class A, Add	*27.72*	
		For Work In Restricted Working Space, Add	*25.99*	

23 31 13 13-0133 26 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0134	LF	4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	19.71	10.04
		For Seal Class B, Add	*2.51*	
		For Seal Class A, Add	*5.36*	
		For Work In Restricted Working Space, Add	*5.03*	
23 31 13 13-0135	LF	4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.64	12.56
		For Seal Class B, Add	*3.14*	
		For Seal Class A, Add	*6.70*	
		For Work In Restricted Working Space, Add	*6.28*	
23 31 13 13-0136	LF	4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.56	15.08
		For Seal Class B, Add	*3.77*	
		For Seal Class A, Add	*8.04*	
		For Work In Restricted Working Space, Add	*7.54*	
23 31 13 13-0137	LF	4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.49	17.59
		For Seal Class B, Add	*4.40*	
		For Seal Class A, Add	*9.38*	
		For Work In Restricted Working Space, Add	*8.79*	
23 31 13 13-0138	LF	4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.42	20.11
		For Seal Class B, Add	*5.03*	
		For Seal Class A, Add	*10.72*	
		For Work In Restricted Working Space, Add	*10.05*	
23 31 13 13-0139	LF	4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.34	22.61
		For Seal Class B, Add	*5.65*	
		For Seal Class A, Add	*12.06*	
		For Work In Restricted Working Space, Add	*11.30*	
23 31 13 13-0140	LF	4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.27	25.12
		For Seal Class B, Add	*6.28*	
		For Seal Class A, Add	*13.40*	
		For Work In Restricted Working Space, Add	*12.56*	
23 31 13 13-0141	LF	6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.56	15.08
		For Seal Class B, Add	*3.77*	
		For Seal Class A, Add	*8.04*	
		For Work In Restricted Working Space, Add	*7.54*	
23 31 13 13-0142	LF	6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.49	17.59
		For Seal Class B, Add	*4.40*	
		For Seal Class A, Add	*9.38*	
		For Work In Restricted Working Space, Add	*8.79*	
23 31 13 13-0143	LF	6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.42	20.11
		For Seal Class B, Add	*5.03*	
		For Seal Class A, Add	*10.72*	
		For Work In Restricted Working Space, Add	*10.05*	
23 31 13 13-0144	LF	6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.34	22.61
		For Seal Class B, Add	*5.65*	
		For Seal Class A, Add	*12.06*	
		For Work In Restricted Working Space, Add	*11.30*	
23 31 13 13-0145	LF	6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.27	25.12
		For Seal Class B, Add	*6.28*	
		For Seal Class A, Add	*13.40*	
		For Work In Restricted Working Space, Add	*12.56*	
23 31 13 13-0146	LF	6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.21	27.64
		For Seal Class B, Add	*6.91*	
		For Seal Class A, Add	*14.74*	
		For Work In Restricted Working Space, Add	*13.82*	
23 31 13 13-0147	LF	8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.42	20.11
		For Seal Class B, Add	*5.03*	
		For Seal Class A, Add	*10.72*	
		For Work In Restricted Working Space, Add	*10.05*	
23 31 13 13-0148	LF	8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.34	22.61
		For Seal Class B, Add	*5.65*	
		For Seal Class A, Add	*12.06*	
		For Work In Restricted Working Space, Add	*11.30*	
23 31 13 13-0149	LF	8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.28	25.12
		For Seal Class B, Add	*6.28*	
		For Seal Class A, Add	*13.40*	
		For Work In Restricted Working Space, Add	*12.56*	
23 31 13 13-0150	LF	8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.21	27.64
		For Seal Class B, Add	*6.91*	
		For Seal Class A, Add	*14.74*	
		For Work In Restricted Working Space, Add	*13.82*	
23 31 13 13-0151	LF	8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.14	30.15
		For Seal Class B, Add	*7.54*	
		For Seal Class A, Add	*16.08*	
		For Work In Restricted Working Space, Add	*15.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.06	32.66
		For Seal Class B, Add	*8.17*	
		For Seal Class A, Add	*17.42*	
		For Work In Restricted Working Space, Add	*16.33*	
23 31 13 13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.98	35.18
		For Seal Class B, Add	*8.79*	
		For Seal Class A, Add	*18.76*	
		For Work In Restricted Working Space, Add	*17.59*	
23 31 13 13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.93	37.68
		For Seal Class B, Add	*9.42*	
		For Seal Class A, Add	*20.10*	
		For Work In Restricted Working Space, Add	*18.85*	
23 31 13 13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84	40.19
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.44*	
		For Work In Restricted Working Space, Add	*20.10*	
23 31 13 13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.28	25.12
		For Seal Class B, Add	*6.28*	
		For Seal Class A, Add	*13.40*	
		For Work In Restricted Working Space, Add	*12.56*	
23 31 13 13-0157	LF	10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.20	27.64
		For Seal Class B, Add	*6.91*	
		For Seal Class A, Add	*14.74*	
		For Work In Restricted Working Space, Add	*13.82*	
23 31 13 13-0158	LF	10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.14	30.15
		For Seal Class B, Add	*7.54*	
		For Seal Class A, Add	*16.08*	
		For Work In Restricted Working Space, Add	*15.08*	
23 31 13 13-0159	LF	10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.06	32.66
		For Seal Class B, Add	*8.17*	
		For Seal Class A, Add	*17.42*	
		For Work In Restricted Working Space, Add	*16.33*	
23 31 13 13-0160	LF	10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.98	35.18
		For Seal Class B, Add	*8.79*	
		For Seal Class A, Add	*18.76*	
		For Work In Restricted Working Space, Add	*17.59*	
23 31 13 13-0161	LF	10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.93	37.68
		For Seal Class B, Add	*9.42*	
		For Seal Class A, Add	*20.10*	
		For Work In Restricted Working Space, Add	*18.85*	
23 31 13 13-0162	LF	10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84	40.19
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.44*	
		For Work In Restricted Working Space, Add	*20.10*	
23 31 13 13-0163	LF	10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.78	42.72
		For Seal Class B, Add	*10.68*	
		For Seal Class A, Add	*22.78*	
		For Work In Restricted Working Space, Add	*21.36*	
23 31 13 13-0164	LF	12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.14	30.15
		For Seal Class B, Add	*7.54*	
		For Seal Class A, Add	*16.08*	
		For Work In Restricted Working Space, Add	*15.08*	
23 31 13 13-0165	LF	12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.06	32.66
		For Seal Class B, Add	*8.17*	
		For Seal Class A, Add	*17.42*	
		For Work In Restricted Working Space, Add	*16.33*	
23 31 13 13-0166	LF	12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.98	35.18
		For Seal Class B, Add	*8.79*	
		For Seal Class A, Add	*18.76*	
		For Work In Restricted Working Space, Add	*17.59*	
23 31 13 13-0167	LF	12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.93	37.68
		For Seal Class B, Add	*9.42*	
		For Seal Class A, Add	*20.10*	
		For Work In Restricted Working Space, Add	*18.85*	
23 31 13 13-0168	LF	12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84	40.19
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.44*	
		For Work In Restricted Working Space, Add	*20.10*	
23 31 13 13-0169	LF	12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.78	42.72
		For Seal Class B, Add	*10.68*	
		For Seal Class A, Add	*22.78*	
		For Work In Restricted Working Space, Add	*21.36*	
23 31 13 13-0170	LF	12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.69	45.23
		For Seal Class B, Add	*11.31*	
		For Seal Class A, Add	*24.12*	
		For Work In Restricted Working Space, Add	*22.61*	
23 31 13 13-0171	LF	14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.98	35.18
		For Seal Class B, Add	*8.79*	
		For Seal Class A, Add	*18.76*	
		For Work In Restricted Working Space, Add	*17.59*	
23 31 13 13-0172	LF	14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.93	37.68
		For Seal Class B, Add	*9.42*	
		For Seal Class A, Add	*20.10*	
		For Work In Restricted Working Space, Add	*18.85*	
23 31 13 13-0173	LF	14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84	40.19
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.44*	
		For Work In Restricted Working Space, Add	*20.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0174	LF	14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.78	42.72
		For Seal Class B, Add	*10.68*	
		For Seal Class A, Add	*22.78*	
		For Work In Restricted Working Space, Add	*21.36*	
23 31 13 13-0175	LF	14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.69	45.23
		For Seal Class B, Add	*11.31*	
		For Seal Class A, Add	*24.12*	
		For Work In Restricted Working Space, Add	*22.61*	
23 31 13 13-0176	LF	14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.64	47.75
		For Seal Class B, Add	*11.94*	
		For Seal Class A, Add	*25.46*	
		For Work In Restricted Working Space, Add	*23.87*	
23 31 13 13-0177	LF	16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84	40.19
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.44*	
		For Work In Restricted Working Space, Add	*20.10*	
23 31 13 13-0178	LF	16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.78	42.72
		For Seal Class B, Add	*10.68*	
		For Seal Class A, Add	*22.78*	
		For Work In Restricted Working Space, Add	*21.36*	
23 31 13 13-0179	LF	16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.69	45.23
		For Seal Class B, Add	*11.31*	
		For Seal Class A, Add	*24.12*	
		For Work In Restricted Working Space, Add	*22.61*	
23 31 13 13-0180	LF	16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.64	47.75
		For Seal Class B, Add	*11.94*	
		For Seal Class A, Add	*25.46*	
		For Work In Restricted Working Space, Add	*23.87*	
23 31 13 13-0181	LF	16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.56	50.26
		For Seal Class B, Add	*12.56*	
		For Seal Class A, Add	*26.80*	
		For Work In Restricted Working Space, Add	*25.13*	
23 31 13 13-0182	LF	18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.69	45.23
		For Seal Class B, Add	*11.31*	
		For Seal Class A, Add	*24.12*	
		For Work In Restricted Working Space, Add	*22.61*	
23 31 13 13-0183	LF	18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.64	47.75
		For Seal Class B, Add	*11.94*	
		For Seal Class A, Add	*25.46*	
		For Work In Restricted Working Space, Add	*23.87*	
23 31 13 13-0184	LF	18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.56	50.26
		For Seal Class B, Add	*12.56*	
		For Seal Class A, Add	*26.80*	
		For Work In Restricted Working Space, Add	*25.13*	
23 31 13 13-0185	LF	18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.48	52.76
		For Seal Class B, Add	*13.19*	
		For Seal Class A, Add	*28.14*	
		For Work In Restricted Working Space, Add	*26.38*	
23 31 13 13-0186	LF	20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.56	50.26
		For Seal Class B, Add	*12.56*	
		For Seal Class A, Add	*26.80*	
		For Work In Restricted Working Space, Add	*25.13*	
23 31 13 13-0187	LF	20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.48	52.76
		For Seal Class B, Add	*13.19*	
		For Seal Class A, Add	*28.14*	
		For Work In Restricted Working Space, Add	*26.38*	
23 31 13 13-0188	LF	20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.40	55.28
		For Seal Class B, Add	*13.82*	
		For Seal Class A, Add	*29.48*	
		For Work In Restricted Working Space, Add	*27.64*	
23 31 13 13-0189	LF	22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.40	55.28
		For Seal Class B, Add	*13.82*	
		For Seal Class A, Add	*29.48*	
		For Work In Restricted Working Space, Add	*27.64*	
23 31 13 13-0190	LF	22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	113.34	57.79
		For Seal Class B, Add	*14.45*	
		For Seal Class A, Add	*30.82*	
		For Work In Restricted Working Space, Add	*28.89*	
23 31 13 13-0191	LF	24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.28	60.30
		For Seal Class B, Add	*15.08*	
		For Seal Class A, Add	*32.16*	
		For Work In Restricted Working Space, Add	*30.15*	

23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0193	LF	4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.78	15.60
		For Seal Class B, Add	*3.90*	
		For Seal Class A, Add	*8.32*	
		For Work In Restricted Working Space, Add	*7.80*	
23 31 13 13-0194	LF	4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.22	19.49
		For Seal Class B, Add	*4.88*	
		For Seal Class A, Add	*10.40*	
		For Work In Restricted Working Space, Add	*9.75*	
23 31 13 13-0195	LF	4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.66	23.39
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.48*	
		For Work In Restricted Working Space, Add	*11.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0196	LF	4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.10	27.30
		For Seal Class B, Add	*6.82*	
		For Seal Class A, Add	*14.56*	
		For Work In Restricted Working Space, Add	*13.65*	
23 31 13 13-0197	LF	4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.54	31.20
		For Seal Class B, Add	*7.80*	
		For Seal Class A, Add	*16.64*	
		For Work In Restricted Working Space, Add	*15.60*	
23 31 13 13-0198	LF	4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.99	35.10
		For Seal Class B, Add	*8.77*	
		For Seal Class A, Add	*18.72*	
		For Work In Restricted Working Space, Add	*17.55*	
23 31 13 13-0199	LF	4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	38.99
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.80*	
		For Work In Restricted Working Space, Add	*19.50*	
23 31 13 13-0200	LF	6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.66	23.39
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.48*	
		For Work In Restricted Working Space, Add	*11.70*	
23 31 13 13-0201	LF	6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.10	27.30
		For Seal Class B, Add	*6.82*	
		For Seal Class A, Add	*14.56*	
		For Work In Restricted Working Space, Add	*13.65*	
23 31 13 13-0202	LF	6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.54	31.20
		For Seal Class B, Add	*7.80*	
		For Seal Class A, Add	*16.64*	
		For Work In Restricted Working Space, Add	*15.60*	
23 31 13 13-0203	LF	6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.99	35.10
		For Seal Class B, Add	*8.77*	
		For Seal Class A, Add	*18.72*	
		For Work In Restricted Working Space, Add	*17.55*	
23 31 13 13-0204	LF	6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	38.99
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.80*	
		For Work In Restricted Working Space, Add	*19.50*	
23 31 13 13-0205	LF	6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.88	42.90
		For Seal Class B, Add	*10.72*	
		For Seal Class A, Add	*22.88*	
		For Work In Restricted Working Space, Add	*21.45*	
23 31 13 13-0206	LF	8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.54	31.20
		For Seal Class B, Add	*7.80*	
		For Seal Class A, Add	*16.64*	
		For Work In Restricted Working Space, Add	*15.60*	
23 31 13 13-0207	LF	8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.99	35.10
		For Seal Class B, Add	*8.77*	
		For Seal Class A, Add	*18.72*	
		For Work In Restricted Working Space, Add	*17.55*	
23 31 13 13-0208	LF	8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	38.99
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.80*	
		For Work In Restricted Working Space, Add	*19.50*	
23 31 13 13-0209	LF	8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.88	42.90
		For Seal Class B, Add	*10.72*	
		For Seal Class A, Add	*22.88*	
		For Work In Restricted Working Space, Add	*21.45*	
23 31 13 13-0210	LF	8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.32	46.79
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
		For Work In Restricted Working Space, Add	*23.40*	
23 31 13 13-0211	LF	8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.75	50.69
		For Seal Class B, Add	*12.67*	
		For Seal Class A, Add	*27.03*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0212	LF	8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.20	54.60
		For Seal Class B, Add	*13.65*	
		For Seal Class A, Add	*29.11*	
		For Work In Restricted Working Space, Add	*27.29*	
23 31 13 13-0213	LF	8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.64	58.49
		For Seal Class B, Add	*14.62*	
		For Seal Class A, Add	*31.19*	
		For Work In Restricted Working Space, Add	*29.24*	
23 31 13 13-0214	LF	8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.09	62.38
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.27*	
		For Work In Restricted Working Space, Add	*31.19*	
23 31 13 13-0215	LF	10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	38.99
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.80*	
		For Work In Restricted Working Space, Add	*19.50*	
23 31 13 13-0216	LF	10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.88	42.90
		For Seal Class B, Add	*10.72*	
		For Seal Class A, Add	*22.88*	
		For Work In Restricted Working Space, Add	*21.45*	
23 31 13 13-0217	LF	10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.32	46.79
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
		For Work In Restricted Working Space, Add	*23.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0218	LF	10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.75	50.69
		For Seal Class B, Add	*12.67*	
		For Seal Class A, Add	*27.03*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0219	LF	10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.20	54.60
		For Seal Class B, Add	*13.65*	
		For Seal Class A, Add	*29.11*	
		For Work In Restricted Working Space, Add	*27.29*	
23 31 13 13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.64	58.49
		For Seal Class B, Add	*14.62*	
		For Seal Class A, Add	*31.19*	
		For Work In Restricted Working Space, Add	*29.24*	
23 31 13 13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.09	62.38
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.27*	
		For Work In Restricted Working Space, Add	*31.19*	
23 31 13 13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.53	66.29
		For Seal Class B, Add	*16.57*	
		For Seal Class A, Add	*35.35*	
		For Work In Restricted Working Space, Add	*33.14*	
23 31 13 13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.98	70.18
		For Seal Class B, Add	*17.55*	
		For Seal Class A, Add	*37.43*	
		For Work In Restricted Working Space, Add	*35.09*	
23 31 13 13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.42	74.09
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*39.51*	
		For Work In Restricted Working Space, Add	*37.04*	
23 31 13 13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.32	46.79
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
		For Work In Restricted Working Space, Add	*23.40*	
23 31 13 13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.75	50.69
		For Seal Class B, Add	*12.67*	
		For Seal Class A, Add	*27.03*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.20	54.60
		For Seal Class B, Add	*13.65*	
		For Seal Class A, Add	*29.11*	
		For Work In Restricted Working Space, Add	*27.29*	
23 31 13 13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.64	58.49
		For Seal Class B, Add	*14.62*	
		For Seal Class A, Add	*31.19*	
		For Work In Restricted Working Space, Add	*29.24*	
23 31 13 13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.09	62.38
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.27*	
		For Work In Restricted Working Space, Add	*31.19*	
23 31 13 13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.53	66.29
		For Seal Class B, Add	*16.57*	
		For Seal Class A, Add	*35.35*	
		For Work In Restricted Working Space, Add	*33.14*	
23 31 13 13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.98	70.18
		For Seal Class B, Add	*17.55*	
		For Seal Class A, Add	*37.43*	
		For Work In Restricted Working Space, Add	*35.09*	
23 31 13 13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.42	74.09
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*39.51*	
		For Work In Restricted Working Space, Add	*37.04*	
23 31 13 13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.30	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	
23 31 13 13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.20	54.60
		For Seal Class B, Add	*13.65*	
		For Seal Class A, Add	*29.11*	
		For Work In Restricted Working Space, Add	*27.29*	
23 31 13 13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.64	58.49
		For Seal Class B, Add	*14.62*	
		For Seal Class A, Add	*31.19*	
		For Work In Restricted Working Space, Add	*29.24*	
23 31 13 13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.09	62.38
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.27*	
		For Work In Restricted Working Space, Add	*31.19*	
23 31 13 13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.53	66.29
		For Seal Class B, Add	*16.57*	
		For Seal Class A, Add	*35.35*	
		For Work In Restricted Working Space, Add	*33.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.98	70.18
		For Seal Class B, Add	*17.55*	
		For Seal Class A, Add	*37.43*	
		For Work In Restricted Working Space, Add	*35.09*	
23 31 13 13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.42	74.09
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*39.51*	
		For Work In Restricted Working Space, Add	*37.04*	
23 31 13 13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.30	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	
23 31 13 13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.74	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.09	62.38
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.27*	
		For Work In Restricted Working Space, Add	*31.19*	
23 31 13 13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.53	66.29
		For Seal Class B, Add	*16.57*	
		For Seal Class A, Add	*35.35*	
		For Work In Restricted Working Space, Add	*33.14*	
23 31 13 13-0247	LF	16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.98	70.18
		For Seal Class B, Add	*17.55*	
		For Seal Class A, Add	*37.43*	
		For Work In Restricted Working Space, Add	*35.09*	
23 31 13 13-0248	LF	16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.42	74.09
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*39.51*	
		For Work In Restricted Working Space, Add	*37.04*	
23 31 13 13-0249	LF	16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0250	LF	16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.30	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	
23 31 13 13-0251	LF	16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.74	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0252	LF	16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.19	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0253	LF	18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.98	70.18
		For Seal Class B, Add	*17.55*	
		For Seal Class A, Add	*37.43*	
		For Work In Restricted Working Space, Add	*35.09*	
23 31 13 13-0254	LF	18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.42	74.09
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*39.51*	
		For Work In Restricted Working Space, Add	*37.04*	
23 31 13 13-0255	LF	18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0256	LF	18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.30	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	
23 31 13 13-0257	LF	18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.74	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0258	LF	18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.19	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0259	LF	18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.63	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	
23 31 13 13-0260	LF	20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0261	LF	20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.30	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.74	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.19	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.63	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	
23 31 13 13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.07	97.48
		For Seal Class B, Add	*24.37*	
		For Seal Class A, Add	*51.99*	
		For Work In Restricted Working Space, Add	*48.74*	
23 31 13 13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.74	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.19	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.63	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.07	97.48
		For Seal Class B, Add	*24.37*	
		For Seal Class A, Add	*51.99*	
		For Work In Restricted Working Space, Add	*48.74*	
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.52	101.39
		For Seal Class B, Add	*25.35*	
		For Seal Class A, Add	*54.07*	
		For Work In Restricted Working Space, Add	*50.69*	
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.63	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.07	97.48
		For Seal Class B, Add	*24.37*	
		For Seal Class A, Add	*51.99*	
		For Work In Restricted Working Space, Add	*48.74*	
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.52	101.39
		For Seal Class B, Add	*25.35*	
		For Seal Class A, Add	*54.07*	
		For Work In Restricted Working Space, Add	*50.69*	
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.96	105.29
		For Seal Class B, Add	*26.32*	
		For Seal Class A, Add	*56.15*	
		For Work In Restricted Working Space, Add	*52.64*	
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.52	101.39
		For Seal Class B, Add	*25.35*	
		For Seal Class A, Add	*54.07*	
		For Work In Restricted Working Space, Add	*50.69*	
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.96	105.29
		For Seal Class B, Add	*26.32*	
		For Seal Class A, Add	*56.15*	
		For Work In Restricted Working Space, Add	*52.64*	
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.40	109.17
		For Seal Class B, Add	*27.29*	
		For Seal Class A, Add	*58.23*	
		For Work In Restricted Working Space, Add	*54.59*	
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.40	109.17
		For Seal Class B, Add	*27.29*	
		For Seal Class A, Add	*58.23*	
		For Work In Restricted Working Space, Add	*54.59*	
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.84	113.08
		For Seal Class B, Add	*28.27*	
		For Seal Class A, Add	*60.31*	
		For Work In Restricted Working Space, Add	*56.54*	
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.30	116.98
		For Seal Class B, Add	*29.25*	
		For Seal Class A, Add	*62.39*	
		For Work In Restricted Working Space, Add	*58.49*	

23 31 13 13-0281 22 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.59	15.60
		For Seal Class B, Add	*3.90*	
		For Seal Class A, Add	*8.32*	
		For Work In Restricted Working Space, Add	*7.80*	
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.24	19.49
		For Seal Class B, Add	*4.88*	
		For Seal Class A, Add	*10.40*	
		For Work In Restricted Working Space, Add	*9.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0284	LF	4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.88	23.39
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.48*	
		For Work In Restricted Working Space, Add	*11.70*	
23 31 13 13-0285	LF	4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.53	27.30
		For Seal Class B, Add	*6.82*	
		For Seal Class A, Add	*14.56*	
		For Work In Restricted Working Space, Add	*13.65*	
23 31 13 13-0286	LF	4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.18	31.20
		For Seal Class B, Add	*7.80*	
		For Seal Class A, Add	*16.64*	
		For Work In Restricted Working Space, Add	*15.60*	
23 31 13 13-0287	LF	4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.83	35.10
		For Seal Class B, Add	*8.77*	
		For Seal Class A, Add	*18.72*	
		For Work In Restricted Working Space, Add	*17.55*	
23 31 13 13-0288	LF	4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.47	38.99
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.80*	
		For Work In Restricted Working Space, Add	*19.50*	
23 31 13 13-0289	LF	6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.88	23.39
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.48*	
		For Work In Restricted Working Space, Add	*11.70*	
23 31 13 13-0290	LF	6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.53	27.30
		For Seal Class B, Add	*6.82*	
		For Seal Class A, Add	*14.56*	
		For Work In Restricted Working Space, Add	*13.65*	
23 31 13 13-0291	LF	6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.18	31.20
		For Seal Class B, Add	*7.80*	
		For Seal Class A, Add	*16.64*	
		For Work In Restricted Working Space, Add	*15.60*	
23 31 13 13-0292	LF	6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.83	35.10
		For Seal Class B, Add	*8.77*	
		For Seal Class A, Add	*18.72*	
		For Work In Restricted Working Space, Add	*17.55*	
23 31 13 13-0293	LF	6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.47	38.99
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.80*	
		For Work In Restricted Working Space, Add	*19.50*	
23 31 13 13-0294	LF	6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.12	42.90
		For Seal Class B, Add	*10.72*	
		For Seal Class A, Add	*22.88*	
		For Work In Restricted Working Space, Add	*21.45*	
23 31 13 13-0295	LF	8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.18	31.20
		For Seal Class B, Add	*7.80*	
		For Seal Class A, Add	*16.64*	
		For Work In Restricted Working Space, Add	*15.60*	
23 31 13 13-0296	LF	8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.83	35.10
		For Seal Class B, Add	*8.77*	
		For Seal Class A, Add	*18.72*	
		For Work In Restricted Working Space, Add	*17.55*	
23 31 13 13-0297	LF	8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.47	38.99
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.80*	
		For Work In Restricted Working Space, Add	*19.50*	
23 31 13 13-0298	LF	8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.12	42.90
		For Seal Class B, Add	*10.72*	
		For Seal Class A, Add	*22.88*	
		For Work In Restricted Working Space, Add	*21.45*	
23 31 13 13-0299	LF	8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.77	46.79
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
		For Work In Restricted Working Space, Add	*23.40*	
23 31 13 13-0300	LF	8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.41	50.69
		For Seal Class B, Add	*12.67*	
		For Seal Class A, Add	*27.03*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0301	LF	8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.06	54.60
		For Seal Class B, Add	*13.65*	
		For Seal Class A, Add	*29.11*	
		For Work In Restricted Working Space, Add	*27.29*	
23 31 13 13-0302	LF	8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.71	58.49
		For Seal Class B, Add	*14.62*	
		For Seal Class A, Add	*31.19*	
		For Work In Restricted Working Space, Add	*29.24*	
23 31 13 13-0303	LF	8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.35	62.38
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.27*	
		For Work In Restricted Working Space, Add	*31.19*	
23 31 13 13-0304	LF	10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.47	38.99
		For Seal Class B, Add	*9.75*	
		For Seal Class A, Add	*20.80*	
		For Work In Restricted Working Space, Add	*19.50*	
23 31 13 13-0305	LF	10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.12	42.90
		For Seal Class B, Add	*10.72*	
		For Seal Class A, Add	*22.88*	
		For Work In Restricted Working Space, Add	*21.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0306	LF	10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.77	46.79
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
		For Work In Restricted Working Space, Add	*23.40*	
23 31 13 13-0307	LF	10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.41	50.69
		For Seal Class B, Add	*12.67*	
		For Seal Class A, Add	*27.03*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0308	LF	10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.06	54.60
		For Seal Class B, Add	*13.65*	
		For Seal Class A, Add	*29.11*	
		For Work In Restricted Working Space, Add	*27.29*	
23 31 13 13-0309	LF	10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.71	58.49
		For Seal Class B, Add	*14.62*	
		For Seal Class A, Add	*31.19*	
		For Work In Restricted Working Space, Add	*29.24*	
23 31 13 13-0310	LF	10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.35	62.38
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.27*	
		For Work In Restricted Working Space, Add	*31.19*	
23 31 13 13-0311	LF	10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.00	66.29
		For Seal Class B, Add	*16.57*	
		For Seal Class A, Add	*35.35*	
		For Work In Restricted Working Space, Add	*33.14*	
23 31 13 13-0312	LF	10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.65	70.18
		For Seal Class B, Add	*17.55*	
		For Seal Class A, Add	*37.43*	
		For Work In Restricted Working Space, Add	*35.09*	
23 31 13 13-0313	LF	10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.30	74.09
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*39.51*	
		For Work In Restricted Working Space, Add	*37.04*	
23 31 13 13-0314	LF	10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0315	LF	10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	
23 31 13 13-0316	LF	12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.77	46.79
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
		For Work In Restricted Working Space, Add	*23.40*	
23 31 13 13-0317	LF	12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.41	50.69
		For Seal Class B, Add	*12.67*	
		For Seal Class A, Add	*27.03*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0318	LF	12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.06	54.60
		For Seal Class B, Add	*13.65*	
		For Seal Class A, Add	*29.11*	
		For Work In Restricted Working Space, Add	*27.29*	
23 31 13 13-0319	LF	12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.71	58.49
		For Seal Class B, Add	*14.62*	
		For Seal Class A, Add	*31.19*	
		For Work In Restricted Working Space, Add	*29.24*	
23 31 13 13-0320	LF	12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.35	62.38
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.27*	
		For Work In Restricted Working Space, Add	*31.19*	
23 31 13 13-0321	LF	12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.00	66.29
		For Seal Class B, Add	*16.57*	
		For Seal Class A, Add	*35.35*	
		For Work In Restricted Working Space, Add	*33.14*	
23 31 13 13-0322	LF	12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.65	70.18
		For Seal Class B, Add	*17.55*	
		For Seal Class A, Add	*37.43*	
		For Work In Restricted Working Space, Add	*35.09*	
23 31 13 13-0323	LF	12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.30	74.09
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*39.51*	
		For Work In Restricted Working Space, Add	*37.04*	
23 31 13 13-0324	LF	12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0325	LF	12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	
23 31 13 13-0326	LF	12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0327	LF	12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0328	LF	12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	
23 31 13 13-0329	LF	14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.06	54.60
		For Seal Class B, Add	*13.65*	
		For Seal Class A, Add	*29.11*	
		For Work In Restricted Working Space, Add	*27.29*	
23 31 13 13-0330	LF	14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.71	58.49
		For Seal Class B, Add	*14.62*	
		For Seal Class A, Add	*31.19*	
		For Work In Restricted Working Space, Add	*29.24*	
23 31 13 13-0331	LF	14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.35	62.38
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.27*	
		For Work In Restricted Working Space, Add	*31.19*	
23 31 13 13-0332	LF	14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.00	66.29
		For Seal Class B, Add	*16.57*	
		For Seal Class A, Add	*35.35*	
		For Work In Restricted Working Space, Add	*33.14*	
23 31 13 13-0333	LF	14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.65	70.18
		For Seal Class B, Add	*17.55*	
		For Seal Class A, Add	*37.43*	
		For Work In Restricted Working Space, Add	*35.09*	
23 31 13 13-0334	LF	14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.30	74.09
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*39.51*	
		For Work In Restricted Working Space, Add	*37.04*	
23 31 13 13-0335	LF	14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0336	LF	14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	
23 31 13 13-0337	LF	14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0338	LF	14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0339	LF	14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	
23 31 13 13-0340	LF	14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
		For Seal Class B, Add	*24.37*	
		For Seal Class A, Add	*51.99*	
		For Work In Restricted Working Space, Add	*48.74*	
23 31 13 13-0341	LF	16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.35	62.38
		For Seal Class B, Add	*15.60*	
		For Seal Class A, Add	*33.27*	
		For Work In Restricted Working Space, Add	*31.19*	
23 31 13 13-0342	LF	16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.00	66.29
		For Seal Class B, Add	*16.57*	
		For Seal Class A, Add	*35.35*	
		For Work In Restricted Working Space, Add	*33.14*	
23 31 13 13-0343	LF	16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.65	70.18
		For Seal Class B, Add	*17.55*	
		For Seal Class A, Add	*37.43*	
		For Work In Restricted Working Space, Add	*35.09*	
23 31 13 13-0344	LF	16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.30	74.09
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*39.51*	
		For Work In Restricted Working Space, Add	*37.04*	
23 31 13 13-0345	LF	16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	
23 31 13 13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
		For Seal Class B, Add	*24.37*	
		For Seal Class A, Add	*51.99*	
		For Work In Restricted Working Space, Add	*48.74*	
23 31 13 13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
		For Seal Class B, Add	*25.35*	
		For Seal Class A, Add	*54.07*	
		For Work In Restricted Working Space, Add	*50.69*	
23 31 13 13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
		For Seal Class B, Add	*26.32*	
		For Seal Class A, Add	*56.15*	
		For Work In Restricted Working Space, Add	*52.64*	
23 31 13 13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	*27.29*	
		For Seal Class A, Add	*58.23*	
		For Work In Restricted Working Space, Add	*54.59*	
23 31 13 13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	*28.27*	
		For Seal Class A, Add	*60.31*	
		For Work In Restricted Working Space, Add	*56.54*	
23 31 13 13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	*29.25*	
		For Seal Class A, Add	*62.39*	
		For Work In Restricted Working Space, Add	*58.49*	
23 31 13 13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.65	70.18
		For Seal Class B, Add	*17.55*	
		For Seal Class A, Add	*37.43*	
		For Work In Restricted Working Space, Add	*35.09*	
23 31 13 13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.30	74.09
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*39.51*	
		For Work In Restricted Working Space, Add	*37.04*	
23 31 13 13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	
23 31 13 13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	
23 31 13 13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	
23 31 13 13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
		For Seal Class B, Add	*24.37*	
		For Seal Class A, Add	*51.99*	
		For Work In Restricted Working Space, Add	*48.74*	
23 31 13 13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
		For Seal Class B, Add	*25.35*	
		For Seal Class A, Add	*54.07*	
		For Work In Restricted Working Space, Add	*50.69*	
23 31 13 13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
		For Seal Class B, Add	*26.32*	
		For Seal Class A, Add	*56.15*	
		For Work In Restricted Working Space, Add	*52.64*	
23 31 13 13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	*27.29*	
		For Seal Class A, Add	*58.23*	
		For Work In Restricted Working Space, Add	*54.59*	
23 31 13 13-0367	LF	18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	*28.27*	
		For Seal Class A, Add	*60.31*	
		For Work In Restricted Working Space, Add	*56.54*	
23 31 13 13-0368	LF	18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	*29.25*	
		For Seal Class A, Add	*62.39*	
		For Work In Restricted Working Space, Add	*58.49*	
23 31 13 13-0369	LF	18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
		For Seal Class B, Add	*30.22*	
		For Seal Class A, Add	*64.47*	
		For Work In Restricted Working Space, Add	*60.44*	
23 31 13 13-0370	LF	18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	*31.19*	
		For Seal Class A, Add	*66.55*	
		For Work In Restricted Working Space, Add	*62.39*	
23 31 13 13-0371	LF	20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94	77.99
		For Seal Class B, Add	*19.50*	
		For Seal Class A, Add	*41.59*	
		For Work In Restricted Working Space, Add	*38.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0372	LF	20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59	81.90
		For Seal Class B, Add	*20.47*	
		For Seal Class A, Add	*43.67*	
		For Work In Restricted Working Space, Add	*40.94*	
23 31 13 13-0373	LF	20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0374	LF	20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0375	LF	20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	
23 31 13 13-0376	LF	20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
		For Seal Class B, Add	*24.37*	
		For Seal Class A, Add	*51.99*	
		For Work In Restricted Working Space, Add	*48.74*	
23 31 13 13-0377	LF	20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
		For Seal Class B, Add	*25.35*	
		For Seal Class A, Add	*54.07*	
		For Work In Restricted Working Space, Add	*50.69*	
23 31 13 13-0378	LF	20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
		For Seal Class B, Add	*26.32*	
		For Seal Class A, Add	*56.15*	
		For Work In Restricted Working Space, Add	*52.64*	
23 31 13 13-0379	LF	20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	*27.29*	
		For Seal Class A, Add	*58.23*	
		For Work In Restricted Working Space, Add	*54.59*	
23 31 13 13-0380	LF	20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	*28.27*	
		For Seal Class A, Add	*60.31*	
		For Work In Restricted Working Space, Add	*56.54*	
23 31 13 13-0381	LF	20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	*29.25*	
		For Seal Class A, Add	*62.39*	
		For Work In Restricted Working Space, Add	*58.49*	
23 31 13 13-0382	LF	20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
		For Seal Class B, Add	*30.22*	
		For Seal Class A, Add	*64.47*	
		For Work In Restricted Working Space, Add	*60.44*	
23 31 13 13-0383	LF	20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	*31.19*	
		For Seal Class A, Add	*66.55*	
		For Work In Restricted Working Space, Add	*62.39*	
23 31 13 13-0384	LF	20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
		For Seal Class B, Add	*32.17*	
		For Seal Class A, Add	*68.63*	
		For Work In Restricted Working Space, Add	*64.34*	
23 31 13 13-0385	LF	20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	*33.14*	
		For Seal Class A, Add	*70.71*	
		For Work In Restricted Working Space, Add	*66.29*	
23 31 13 13-0386	LF	22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23	85.78
		For Seal Class B, Add	*21.45*	
		For Seal Class A, Add	*45.75*	
		For Work In Restricted Working Space, Add	*42.89*	
23 31 13 13-0387	LF	22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	
23 31 13 13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
		For Seal Class B, Add	*24.37*	
		For Seal Class A, Add	*51.99*	
		For Work In Restricted Working Space, Add	*48.74*	
23 31 13 13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
		For Seal Class B, Add	*25.35*	
		For Seal Class A, Add	*54.07*	
		For Work In Restricted Working Space, Add	*50.69*	
23 31 13 13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
		For Seal Class B, Add	*26.32*	
		For Seal Class A, Add	*56.15*	
		For Work In Restricted Working Space, Add	*52.64*	
23 31 13 13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	*27.29*	
		For Seal Class A, Add	*58.23*	
		For Work In Restricted Working Space, Add	*54.59*	
23 31 13 13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	*28.27*	
		For Seal Class A, Add	*60.31*	
		For Work In Restricted Working Space, Add	*56.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0394	LF	22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	*29.25*	
		For Seal Class A, Add	*62.39*	
		For Work In Restricted Working Space, Add	*58.49*	
23 31 13 13-0395	LF	22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
		For Seal Class B, Add	*30.22*	
		For Seal Class A, Add	*64.47*	
		For Work In Restricted Working Space, Add	*60.44*	
23 31 13 13-0396	LF	22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	*31.19*	
		For Seal Class A, Add	*66.55*	
		For Work In Restricted Working Space, Add	*62.39*	
23 31 13 13-0397	LF	22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
		For Seal Class B, Add	*32.17*	
		For Seal Class A, Add	*68.63*	
		For Work In Restricted Working Space, Add	*64.34*	
23 31 13 13-0398	LF	22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	*33.14*	
		For Seal Class A, Add	*70.71*	
		For Work In Restricted Working Space, Add	*66.29*	
23 31 13 13-0399	LF	22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
		For Seal Class B, Add	*34.12*	
		For Seal Class A, Add	*72.78*	
		For Work In Restricted Working Space, Add	*68.24*	
23 31 13 13-0400	LF	24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.91*	
		For Work In Restricted Working Space, Add	*46.79*	
23 31 13 13-0401	LF	24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
		For Seal Class B, Add	*24.37*	
		For Seal Class A, Add	*51.99*	
		For Work In Restricted Working Space, Add	*48.74*	
23 31 13 13-0402	LF	24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
		For Seal Class B, Add	*25.35*	
		For Seal Class A, Add	*54.07*	
		For Work In Restricted Working Space, Add	*50.69*	
23 31 13 13-0403	LF	24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
		For Seal Class B, Add	*26.32*	
		For Seal Class A, Add	*56.15*	
		For Work In Restricted Working Space, Add	*52.64*	
23 31 13 13-0404	LF	24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	*27.29*	
		For Seal Class A, Add	*58.23*	
		For Work In Restricted Working Space, Add	*54.59*	
23 31 13 13-0405	LF	24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	*28.27*	
		For Seal Class A, Add	*60.31*	
		For Work In Restricted Working Space, Add	*56.54*	
23 31 13 13-0406	LF	24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	*29.25*	
		For Seal Class A, Add	*62.39*	
		For Work In Restricted Working Space, Add	*58.49*	
23 31 13 13-0407	LF	24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
		For Seal Class B, Add	*30.22*	
		For Seal Class A, Add	*64.47*	
		For Work In Restricted Working Space, Add	*60.44*	
23 31 13 13-0408	LF	24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	*31.19*	
		For Seal Class A, Add	*66.55*	
		For Work In Restricted Working Space, Add	*62.39*	
23 31 13 13-0409	LF	24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
		For Seal Class B, Add	*32.17*	
		For Seal Class A, Add	*68.63*	
		For Work In Restricted Working Space, Add	*64.34*	
23 31 13 13-0410	LF	24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	*33.14*	
		For Seal Class A, Add	*70.71*	
		For Work In Restricted Working Space, Add	*66.29*	
23 31 13 13-0411	LF	24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
		For Seal Class B, Add	*34.12*	
		For Seal Class A, Add	*72.78*	
		For Work In Restricted Working Space, Add	*68.24*	
23 31 13 13-0412	LF	24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
		For Seal Class B, Add	*35.09*	
		For Seal Class A, Add	*74.86*	
		For Work In Restricted Working Space, Add	*70.19*	
23 31 13 13-0413	LF	26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
		For Seal Class B, Add	*25.35*	
		For Seal Class A, Add	*54.07*	
		For Work In Restricted Working Space, Add	*50.69*	
23 31 13 13-0414	LF	26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
		For Seal Class B, Add	*26.32*	
		For Seal Class A, Add	*56.15*	
		For Work In Restricted Working Space, Add	*52.64*	
23 31 13 13-0415	LF	26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	*27.29*	
		For Seal Class A, Add	*58.23*	
		For Work In Restricted Working Space, Add	*54.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0416	LF	26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	*28.27*	
		For Seal Class A, Add	*60.31*	
		For Work In Restricted Working Space, Add	*56.54*	
23 31 13 13-0417	LF	26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	*29.25*	
		For Seal Class A, Add	*62.39*	
		For Work In Restricted Working Space, Add	*58.49*	
23 31 13 13-0418	LF	26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
		For Seal Class B, Add	*30.22*	
		For Seal Class A, Add	*64.47*	
		For Work In Restricted Working Space, Add	*60.44*	
23 31 13 13-0419	LF	26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	*31.19*	
		For Seal Class A, Add	*66.55*	
		For Work In Restricted Working Space, Add	*62.39*	
23 31 13 13-0420	LF	26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
		For Seal Class B, Add	*32.17*	
		For Seal Class A, Add	*68.63*	
		For Work In Restricted Working Space, Add	*64.34*	
23 31 13 13-0421	LF	26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	*33.14*	
		For Seal Class A, Add	*70.71*	
		For Work In Restricted Working Space, Add	*66.29*	
23 31 13 13-0422	LF	26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
		For Seal Class B, Add	*34.12*	
		For Seal Class A, Add	*72.78*	
		For Work In Restricted Working Space, Add	*68.24*	
23 31 13 13-0423	LF	26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
		For Seal Class B, Add	*35.09*	
		For Seal Class A, Add	*74.86*	
		For Work In Restricted Working Space, Add	*70.19*	
23 31 13 13-0424	LF	26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28
		For Seal Class B, Add	*36.07*	
		For Seal Class A, Add	*76.95*	
		For Work In Restricted Working Space, Add	*72.14*	
23 31 13 13-0425	LF	28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	*27.29*	
		For Seal Class A, Add	*58.23*	
		For Work In Restricted Working Space, Add	*54.59*	
23 31 13 13-0426	LF	28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	*28.27*	
		For Seal Class A, Add	*60.31*	
		For Work In Restricted Working Space, Add	*56.54*	
23 31 13 13-0427	LF	28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	*29.25*	
		For Seal Class A, Add	*62.39*	
		For Work In Restricted Working Space, Add	*58.49*	
23 31 13 13-0428	LF	28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
		For Seal Class B, Add	*30.22*	
		For Seal Class A, Add	*64.47*	
		For Work In Restricted Working Space, Add	*60.44*	
23 31 13 13-0429	LF	28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	*31.19*	
		For Seal Class A, Add	*66.55*	
		For Work In Restricted Working Space, Add	*62.39*	
23 31 13 13-0430	LF	28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
		For Seal Class B, Add	*32.17*	
		For Seal Class A, Add	*68.63*	
		For Work In Restricted Working Space, Add	*64.34*	
23 31 13 13-0431	LF	28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	*33.14*	
		For Seal Class A, Add	*70.71*	
		For Work In Restricted Working Space, Add	*66.29*	
23 31 13 13-0432	LF	28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
		For Seal Class B, Add	*34.12*	
		For Seal Class A, Add	*72.78*	
		For Work In Restricted Working Space, Add	*68.24*	
23 31 13 13-0433	LF	28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
		For Seal Class B, Add	*35.09*	
		For Seal Class A, Add	*74.86*	
		For Work In Restricted Working Space, Add	*70.19*	
23 31 13 13-0434	LF	28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28
		For Seal Class B, Add	*36.07*	
		For Seal Class A, Add	*76.95*	
		For Work In Restricted Working Space, Add	*72.14*	
23 31 13 13-0435	LF	28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17
		For Seal Class B, Add	*37.04*	
		For Seal Class A, Add	*79.03*	
		For Work In Restricted Working Space, Add	*74.09*	
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	*29.25*	
		For Seal Class A, Add	*62.39*	
		For Work In Restricted Working Space, Add	*58.49*	
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
		For Seal Class B, Add	*30.22*	
		For Seal Class A, Add	*64.47*	
		For Work In Restricted Working Space, Add	*60.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	*31.19*	
		For Seal Class A, Add	*66.55*	
		For Work In Restricted Working Space, Add	*62.39*	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
		For Seal Class B, Add	*32.17*	
		For Seal Class A, Add	*68.63*	
		For Work In Restricted Working Space, Add	*64.34*	
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	*33.14*	
		For Seal Class A, Add	*70.71*	
		For Work In Restricted Working Space, Add	*66.29*	
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
		For Seal Class B, Add	*34.12*	
		For Seal Class A, Add	*72.78*	
		For Work In Restricted Working Space, Add	*68.24*	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
		For Seal Class B, Add	*35.09*	
		For Seal Class A, Add	*74.86*	
		For Work In Restricted Working Space, Add	*70.19*	
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28
		For Seal Class B, Add	*36.07*	
		For Seal Class A, Add	*76.95*	
		For Work In Restricted Working Space, Add	*72.14*	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17
		For Seal Class B, Add	*37.04*	
		For Seal Class A, Add	*79.03*	
		For Work In Restricted Working Space, Add	*74.09*	
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.24	152.08
		For Seal Class B, Add	*38.02*	
		For Seal Class A, Add	*81.10*	
		For Work In Restricted Working Space, Add	*76.04*	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	*31.19*	
		For Seal Class A, Add	*66.55*	
		For Work In Restricted Working Space, Add	*62.39*	
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
		For Seal Class B, Add	*32.17*	
		For Seal Class A, Add	*68.63*	
		For Work In Restricted Working Space, Add	*64.34*	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	*33.14*	
		For Seal Class A, Add	*70.71*	
		For Work In Restricted Working Space, Add	*66.29*	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
		For Seal Class B, Add	*34.12*	
		For Seal Class A, Add	*72.78*	
		For Work In Restricted Working Space, Add	*68.24*	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
		For Seal Class B, Add	*35.09*	
		For Seal Class A, Add	*74.86*	
		For Work In Restricted Working Space, Add	*70.19*	
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28
		For Seal Class B, Add	*36.07*	
		For Seal Class A, Add	*76.95*	
		For Work In Restricted Working Space, Add	*72.14*	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17
		For Seal Class B, Add	*37.04*	
		For Seal Class A, Add	*79.03*	
		For Work In Restricted Working Space, Add	*74.09*	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.24	152.08
		For Seal Class B, Add	*38.02*	
		For Seal Class A, Add	*81.10*	
		For Work In Restricted Working Space, Add	*76.04*	
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.88	155.97
		For Seal Class B, Add	*38.99*	
		For Seal Class A, Add	*83.18*	
		For Work In Restricted Working Space, Add	*77.99*	
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	*33.14*	
		For Seal Class A, Add	*70.71*	
		For Work In Restricted Working Space, Add	*66.29*	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
		For Seal Class B, Add	*34.12*	
		For Seal Class A, Add	*72.78*	
		For Work In Restricted Working Space, Add	*68.24*	
23 31 13 13-0457	LF	34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
		For Seal Class B, Add	*35.09*	
		For Seal Class A, Add	*74.86*	
		For Work In Restricted Working Space, Add	*70.19*	
23 31 13 13-0458	LF	34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28
		For Seal Class B, Add	*36.07*	
		For Seal Class A, Add	*76.95*	
		For Work In Restricted Working Space, Add	*72.14*	
23 31 13 13-0459	LF	34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17
		For Seal Class B, Add	*37.04*	
		For Seal Class A, Add	*79.03*	
		For Work In Restricted Working Space, Add	*74.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0460	LF	34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.24	152.08
		For Seal Class B, Add	*38.02*	
		For Seal Class A, Add	*81.10*	
		For Work In Restricted Working Space, Add	*76.04*	
23 31 13 13-0461	LF	34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.88	155.97
		For Seal Class B, Add	*38.99*	
		For Seal Class A, Add	*83.18*	
		For Work In Restricted Working Space, Add	*77.99*	
23 31 13 13-0462	LF	34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.53	159.87
		For Seal Class B, Add	*39.97*	
		For Seal Class A, Add	*85.26*	
		For Work In Restricted Working Space, Add	*79.94*	
23 31 13 13-0463	LF	36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
		For Seal Class B, Add	*35.09*	
		For Seal Class A, Add	*74.86*	
		For Work In Restricted Working Space, Add	*70.19*	
23 31 13 13-0464	LF	36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28
		For Seal Class B, Add	*36.07*	
		For Seal Class A, Add	*76.95*	
		For Work In Restricted Working Space, Add	*72.14*	
23 31 13 13-0465	LF	36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17
		For Seal Class B, Add	*37.04*	
		For Seal Class A, Add	*79.03*	
		For Work In Restricted Working Space, Add	*74.09*	
23 31 13 13-0466	LF	36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.24	152.08
		For Seal Class B, Add	*38.02*	
		For Seal Class A, Add	*81.10*	
		For Work In Restricted Working Space, Add	*76.04*	
23 31 13 13-0467	LF	36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.88	155.97
		For Seal Class B, Add	*38.99*	
		For Seal Class A, Add	*83.18*	
		For Work In Restricted Working Space, Add	*77.99*	
23 31 13 13-0468	LF	36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.53	159.87
		For Seal Class B, Add	*39.97*	
		For Seal Class A, Add	*85.26*	
		For Work In Restricted Working Space, Add	*79.94*	
23 31 13 13-0469	LF	36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	163.77
		For Seal Class B, Add	*40.94*	
		For Seal Class A, Add	*87.34*	
		For Work In Restricted Working Space, Add	*81.88*	
23 31 13 13-0470	LF	38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17
		For Seal Class B, Add	*37.04*	
		For Seal Class A, Add	*79.03*	
		For Work In Restricted Working Space, Add	*74.09*	
23 31 13 13-0471	LF	38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.24	152.08
		For Seal Class B, Add	*38.02*	
		For Seal Class A, Add	*81.10*	
		For Work In Restricted Working Space, Add	*76.04*	
23 31 13 13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.88	155.97
		For Seal Class B, Add	*38.99*	
		For Seal Class A, Add	*83.18*	
		For Work In Restricted Working Space, Add	*77.99*	
23 31 13 13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.53	159.87
		For Seal Class B, Add	*39.97*	
		For Seal Class A, Add	*85.26*	
		For Work In Restricted Working Space, Add	*79.94*	
23 31 13 13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	163.77
		For Seal Class B, Add	*40.94*	
		For Seal Class A, Add	*87.34*	
		For Work In Restricted Working Space, Add	*81.88*	
23 31 13 13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.83	167.67
		For Seal Class B, Add	*41.92*	
		For Seal Class A, Add	*89.42*	
		For Work In Restricted Working Space, Add	*83.84*	
23 31 13 13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.48	171.57
		For Seal Class B, Add	*42.89*	
		For Seal Class A, Add	*91.50*	
		For Work In Restricted Working Space, Add	*85.79*	
23 31 13 13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.88	155.97
		For Seal Class B, Add	*38.99*	
		For Seal Class A, Add	*83.18*	
		For Work In Restricted Working Space, Add	*77.99*	
23 31 13 13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.53	159.87
		For Seal Class B, Add	*39.97*	
		For Seal Class A, Add	*85.26*	
		For Work In Restricted Working Space, Add	*79.94*	
23 31 13 13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	163.77
		For Seal Class B, Add	*40.94*	
		For Seal Class A, Add	*87.34*	
		For Work In Restricted Working Space, Add	*81.88*	
23 31 13 13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.83	167.67
		For Seal Class B, Add	*41.92*	
		For Seal Class A, Add	*89.42*	
		For Work In Restricted Working Space, Add	*83.84*	
23 31 13 13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.48	171.57
		For Seal Class B, Add	*42.89*	
		For Seal Class A, Add	*91.50*	
		For Work In Restricted Working Space, Add	*85.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.13	175.47
		For Seal Class B, Add	*43.87*	
		For Seal Class A, Add	*93.58*	
		For Work In Restricted Working Space, Add	*87.74*	
23 31 13 13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.76	179.37
		For Seal Class B, Add	*44.84*	
		For Seal Class A, Add	*95.66*	
		For Work In Restricted Working Space, Add	*89.68*	
23 31 13 13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	359.41	183.26
		For Seal Class B, Add	*45.82*	
		For Seal Class A, Add	*97.74*	
		For Work In Restricted Working Space, Add	*91.63*	
23 31 13 13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	163.77
		For Seal Class B, Add	*40.94*	
		For Seal Class A, Add	*87.34*	
		For Work In Restricted Working Space, Add	*81.88*	
23 31 13 13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.83	167.67
		For Seal Class B, Add	*41.92*	
		For Seal Class A, Add	*89.42*	
		For Work In Restricted Working Space, Add	*83.84*	
23 31 13 13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.48	171.57
		For Seal Class B, Add	*42.89*	
		For Seal Class A, Add	*91.50*	
		For Work In Restricted Working Space, Add	*85.79*	
23 31 13 13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.13	175.47
		For Seal Class B, Add	*43.87*	
		For Seal Class A, Add	*93.58*	
		For Work In Restricted Working Space, Add	*87.74*	
23 31 13 13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.76	179.37
		For Seal Class B, Add	*44.84*	
		For Seal Class A, Add	*95.66*	
		For Work In Restricted Working Space, Add	*89.68*	
23 31 13 13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	359.41	183.26
		For Seal Class B, Add	*45.82*	
		For Seal Class A, Add	*97.74*	
		For Work In Restricted Working Space, Add	*91.63*	
23 31 13 13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	367.06	187.16
		For Seal Class B, Add	*46.79*	
		For Seal Class A, Add	*99.82*	
		For Work In Restricted Working Space, Add	*93.58*	
23 31 13 13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.48	171.57
		For Seal Class B, Add	*42.89*	
		For Seal Class A, Add	*91.50*	
		For Work In Restricted Working Space, Add	*85.79*	
23 31 13 13-0493	LF	44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.13	175.47
		For Seal Class B, Add	*43.87*	
		For Seal Class A, Add	*93.58*	
		For Work In Restricted Working Space, Add	*87.74*	
23 31 13 13-0494	LF	44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.76	179.37
		For Seal Class B, Add	*44.84*	
		For Seal Class A, Add	*95.66*	
		For Work In Restricted Working Space, Add	*89.68*	
23 31 13 13-0495	LF	44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	359.41	183.26
		For Seal Class B, Add	*45.82*	
		For Seal Class A, Add	*97.74*	
		For Work In Restricted Working Space, Add	*91.63*	
23 31 13 13-0496	LF	44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	367.06	187.16
		For Seal Class B, Add	*46.79*	
		For Seal Class A, Add	*99.82*	
		For Work In Restricted Working Space, Add	*93.58*	
23 31 13 13-0497	LF	44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.70	191.07
		For Seal Class B, Add	*47.76*	
		For Seal Class A, Add	*101.90*	
		For Work In Restricted Working Space, Add	*95.53*	
23 31 13 13-0498	LF	46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.76	179.37
		For Seal Class B, Add	*44.84*	
		For Seal Class A, Add	*95.66*	
		For Work In Restricted Working Space, Add	*89.68*	
23 31 13 13-0499	LF	46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	359.41	183.26
		For Seal Class B, Add	*45.82*	
		For Seal Class A, Add	*97.74*	
		For Work In Restricted Working Space, Add	*91.63*	
23 31 13 13-0500	LF	46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	367.06	187.16
		For Seal Class B, Add	*46.79*	
		For Seal Class A, Add	*99.82*	
		For Work In Restricted Working Space, Add	*93.58*	
23 31 13 13-0501	LF	46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.70	191.07
		For Seal Class B, Add	*47.76*	
		For Seal Class A, Add	*101.90*	
		For Work In Restricted Working Space, Add	*95.53*	
23 31 13 13-0502	LF	46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	382.36	194.97
		For Seal Class B, Add	*48.74*	
		For Seal Class A, Add	*103.98*	
		For Work In Restricted Working Space, Add	*97.48*	
23 31 13 13-0503	LF	48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	367.06	187.16
		For Seal Class B, Add	*46.79*	
		For Seal Class A, Add	*99.82*	
		For Work In Restricted Working Space, Add	*93.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0504	LF	48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.70	191.07
		For Seal Class B, Add	*47.76*	
		For Seal Class A, Add	*101.90*	
		For Work In Restricted Working Space, Add	*95.53*	
23 31 13 13-0505	LF	48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	382.36	194.97
		For Seal Class B, Add	*48.74*	
		For Seal Class A, Add	*103.98*	
		For Work In Restricted Working Space, Add	*97.48*	
23 31 13 13-0506	LF	48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	390.01	198.87
		For Seal Class B, Add	*49.72*	
		For Seal Class A, Add	*106.06*	
		For Work In Restricted Working Space, Add	*99.43*	
23 31 13 13-0507	LF	50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	382.36	194.97
		For Seal Class B, Add	*48.74*	
		For Seal Class A, Add	*103.98*	
		For Work In Restricted Working Space, Add	*97.48*	
23 31 13 13-0508	LF	50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	390.01	198.87
		For Seal Class B, Add	*49.72*	
		For Seal Class A, Add	*106.06*	
		For Work In Restricted Working Space, Add	*99.43*	
23 31 13 13-0509	LF	50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.65	202.76
		For Seal Class B, Add	*50.69*	
		For Seal Class A, Add	*108.14*	
		For Work In Restricted Working Space, Add	*101.38*	
23 31 13 13-0510	LF	52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.65	202.76
		For Seal Class B, Add	*50.69*	
		For Seal Class A, Add	*108.14*	
		For Work In Restricted Working Space, Add	*101.38*	
23 31 13 13-0511	LF	52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.29	206.66
		For Seal Class B, Add	*51.66*	
		For Seal Class A, Add	*110.22*	
		For Work In Restricted Working Space, Add	*103.33*	
23 31 13 13-0512	LF	54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.94	210.56
		For Seal Class B, Add	*52.64*	
		For Seal Class A, Add	*112.30*	
		For Work In Restricted Working Space, Add	*105.28*	

23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0514	LF	4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.02	18.37
		For Seal Class B, Add	*4.59*	
		For Seal Class A, Add	*9.80*	
		For Work In Restricted Working Space, Add	*9.19*	
23 31 13 13-0515	LF	4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.04	22.96
		For Seal Class B, Add	*5.74*	
		For Seal Class A, Add	*12.25*	
		For Work In Restricted Working Space, Add	*11.48*	
23 31 13 13-0516	LF	4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.04	27.56
		For Seal Class B, Add	*6.89*	
		For Seal Class A, Add	*14.69*	
		For Work In Restricted Working Space, Add	*13.78*	
23 31 13 13-0517	LF	4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.04	32.14
		For Seal Class B, Add	*8.04*	
		For Seal Class A, Add	*17.15*	
		For Work In Restricted Working Space, Add	*16.07*	
23 31 13 13-0518	LF	4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.06	36.74
		For Seal Class B, Add	*9.19*	
		For Seal Class A, Add	*19.60*	
		For Work In Restricted Working Space, Add	*18.37*	
23 31 13 13-0519	LF	4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.06	41.33
		For Seal Class B, Add	*10.33*	
		For Seal Class A, Add	*22.04*	
		For Work In Restricted Working Space, Add	*20.66*	
23 31 13 13-0520	LF	4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.07	45.92
		For Seal Class B, Add	*11.48*	
		For Seal Class A, Add	*24.50*	
		For Work In Restricted Working Space, Add	*22.97*	
23 31 13 13-0521	LF	6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.04	27.56
		For Seal Class B, Add	*6.89*	
		For Seal Class A, Add	*14.69*	
		For Work In Restricted Working Space, Add	*13.78*	
23 31 13 13-0522	LF	6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.04	32.14
		For Seal Class B, Add	*8.04*	
		For Seal Class A, Add	*17.15*	
		For Work In Restricted Working Space, Add	*16.07*	
23 31 13 13-0523	LF	6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.06	36.74
		For Seal Class B, Add	*9.19*	
		For Seal Class A, Add	*19.60*	
		For Work In Restricted Working Space, Add	*18.37*	
23 31 13 13-0524	LF	6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.06	41.33
		For Seal Class B, Add	*10.33*	
		For Seal Class A, Add	*22.04*	
		For Work In Restricted Working Space, Add	*20.66*	
23 31 13 13-0525	LF	6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.07	45.92
		For Seal Class B, Add	*11.48*	
		For Seal Class A, Add	*24.50*	
		For Work In Restricted Working Space, Add	*22.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0526	LF	6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.08	50.52
		For Seal Class B, Add	*12.63*	
		For Seal Class A, Add	*26.94*	
		For Work In Restricted Working Space, Add	*25.26*	
23 31 13 13-0527	LF	8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.06	36.74
		For Seal Class B, Add	*9.19*	
		For Seal Class A, Add	*19.60*	
		For Work In Restricted Working Space, Add	*18.37*	
23 31 13 13-0528	LF	8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.06	41.33
		For Seal Class B, Add	*10.33*	
		For Seal Class A, Add	*22.04*	
		For Work In Restricted Working Space, Add	*20.66*	
23 31 13 13-0529	LF	8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.07	45.92
		For Seal Class B, Add	*11.48*	
		For Seal Class A, Add	*24.50*	
		For Work In Restricted Working Space, Add	*22.97*	
23 31 13 13-0530	LF	8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.08	50.52
		For Seal Class B, Add	*12.63*	
		For Seal Class A, Add	*26.94*	
		For Work In Restricted Working Space, Add	*25.26*	
23 31 13 13-0531	LF	8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.08	55.11
		For Seal Class B, Add	*13.78*	
		For Seal Class A, Add	*29.40*	
		For Work In Restricted Working Space, Add	*27.56*	
23 31 13 13-0532	LF	8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.08	59.70
		For Seal Class B, Add	*14.93*	
		For Seal Class A, Add	*31.84*	
		For Work In Restricted Working Space, Add	*29.85*	
23 31 13 13-0533	LF	8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.10	64.30
		For Seal Class B, Add	*16.07*	
		For Seal Class A, Add	*34.29*	
		For Work In Restricted Working Space, Add	*32.15*	
23 31 13 13-0534	LF	8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.09	68.88
		For Seal Class B, Add	*17.22*	
		For Seal Class A, Add	*36.74*	
		For Work In Restricted Working Space, Add	*34.44*	
23 31 13 13-0535	LF	8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.10	73.48
		For Seal Class B, Add	*18.37*	
		For Seal Class A, Add	*39.19*	
		For Work In Restricted Working Space, Add	*36.74*	
23 31 13 13-0536	LF	10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.07	45.92
		For Seal Class B, Add	*11.48*	
		For Seal Class A, Add	*24.50*	
		For Work In Restricted Working Space, Add	*22.97*	
23 31 13 13-0537	LF	10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.08	50.52
		For Seal Class B, Add	*12.63*	
		For Seal Class A, Add	*26.94*	
		For Work In Restricted Working Space, Add	*25.26*	
23 31 13 13-0538	LF	10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.08	55.11
		For Seal Class B, Add	*13.78*	
		For Seal Class A, Add	*29.40*	
		For Work In Restricted Working Space, Add	*27.56*	
23 31 13 13-0539	LF	10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.08	59.70
		For Seal Class B, Add	*14.93*	
		For Seal Class A, Add	*31.84*	
		For Work In Restricted Working Space, Add	*29.85*	
23 31 13 13-0540	LF	10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.10	64.30
		For Seal Class B, Add	*16.07*	
		For Seal Class A, Add	*34.29*	
		For Work In Restricted Working Space, Add	*32.15*	
23 31 13 13-0541	LF	10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.09	68.88
		For Seal Class B, Add	*17.22*	
		For Seal Class A, Add	*36.74*	
		For Work In Restricted Working Space, Add	*34.44*	
23 31 13 13-0542	LF	10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.10	73.48
		For Seal Class B, Add	*18.37*	
		For Seal Class A, Add	*39.19*	
		For Work In Restricted Working Space, Add	*36.74*	
23 31 13 13-0543	LF	10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.14	78.07
		For Seal Class B, Add	*19.52*	
		For Seal Class A, Add	*41.64*	
		For Work In Restricted Working Space, Add	*39.04*	
23 31 13 13-0544	LF	10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.12	82.67
		For Seal Class B, Add	*20.67*	
		For Seal Class A, Add	*44.09*	
		For Work In Restricted Working Space, Add	*41.33*	
23 31 13 13-0545	LF	10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.15	87.25
		For Seal Class B, Add	*21.82*	
		For Seal Class A, Add	*46.54*	
		For Work In Restricted Working Space, Add	*43.63*	
23 31 13 13-0546	LF	10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86
		For Seal Class B, Add	*22.96*	
		For Seal Class A, Add	*48.99*	
		For Work In Restricted Working Space, Add	*45.92*	
23 31 13 13-0547	LF	10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44
		For Seal Class B, Add	*24.11*	
		For Seal Class A, Add	*51.44*	
		For Work In Restricted Working Space, Add	*48.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0548	LF	12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.08	55.11
		For Seal Class B, Add	*13.78*	
		For Seal Class A, Add	*29.40*	
		For Work In Restricted Working Space, Add	*27.56*	
23 31 13 13-0549	LF	12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.08	59.70
		For Seal Class B, Add	*14.93*	
		For Seal Class A, Add	*31.84*	
		For Work In Restricted Working Space, Add	*29.85*	
23 31 13 13-0550	LF	12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.10	64.30
		For Seal Class B, Add	*16.07*	
		For Seal Class A, Add	*34.29*	
		For Work In Restricted Working Space, Add	*32.15*	
23 31 13 13-0551	LF	12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.09	68.88
		For Seal Class B, Add	*17.22*	
		For Seal Class A, Add	*36.74*	
		For Work In Restricted Working Space, Add	*34.44*	
23 31 13 13-0552	LF	12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.10	73.48
		For Seal Class B, Add	*18.37*	
		For Seal Class A, Add	*39.19*	
		For Work In Restricted Working Space, Add	*36.74*	
23 31 13 13-0553	LF	12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.14	78.07
		For Seal Class B, Add	*19.52*	
		For Seal Class A, Add	*41.64*	
		For Work In Restricted Working Space, Add	*39.04*	
23 31 13 13-0554	LF	12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.12	82.67
		For Seal Class B, Add	*20.67*	
		For Seal Class A, Add	*44.09*	
		For Work In Restricted Working Space, Add	*41.33*	
23 31 13 13-0555	LF	12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.15	87.25
		For Seal Class B, Add	*21.82*	
		For Seal Class A, Add	*46.54*	
		For Work In Restricted Working Space, Add	*43.63*	
23 31 13 13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86
		For Seal Class B, Add	*22.96*	
		For Seal Class A, Add	*48.99*	
		For Work In Restricted Working Space, Add	*45.92*	
23 31 13 13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44
		For Seal Class B, Add	*24.11*	
		For Seal Class A, Add	*51.44*	
		For Work In Restricted Working Space, Add	*48.22*	
23 31 13 13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04
		For Seal Class B, Add	*25.26*	
		For Seal Class A, Add	*53.88*	
		For Work In Restricted Working Space, Add	*50.52*	
23 31 13 13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	*26.41*	
		For Seal Class A, Add	*56.34*	
		For Work In Restricted Working Space, Add	*52.82*	
23 31 13 13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.79*	
		For Work In Restricted Working Space, Add	*55.11*	
23 31 13 13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.10	64.30
		For Seal Class B, Add	*16.07*	
		For Seal Class A, Add	*34.29*	
		For Work In Restricted Working Space, Add	*32.15*	
23 31 13 13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.09	68.88
		For Seal Class B, Add	*17.22*	
		For Seal Class A, Add	*36.74*	
		For Work In Restricted Working Space, Add	*34.44*	
23 31 13 13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.10	73.48
		For Seal Class B, Add	*18.37*	
		For Seal Class A, Add	*39.19*	
		For Work In Restricted Working Space, Add	*36.74*	
23 31 13 13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.14	78.07
		For Seal Class B, Add	*19.52*	
		For Seal Class A, Add	*41.64*	
		For Work In Restricted Working Space, Add	*39.04*	
23 31 13 13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.12	82.67
		For Seal Class B, Add	*20.67*	
		For Seal Class A, Add	*44.09*	
		For Work In Restricted Working Space, Add	*41.33*	
23 31 13 13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.15	87.25
		For Seal Class B, Add	*21.82*	
		For Seal Class A, Add	*46.54*	
		For Work In Restricted Working Space, Add	*43.63*	
23 31 13 13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86
		For Seal Class B, Add	*22.96*	
		For Seal Class A, Add	*48.99*	
		For Work In Restricted Working Space, Add	*45.92*	
23 31 13 13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44
		For Seal Class B, Add	*24.11*	
		For Seal Class A, Add	*51.44*	
		For Work In Restricted Working Space, Add	*48.22*	
23 31 13 13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04
		For Seal Class B, Add	*25.26*	
		For Seal Class A, Add	*53.88*	
		For Work In Restricted Working Space, Add	*50.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	*26.41*	
		For Seal Class A, Add	*56.34*	
		For Work In Restricted Working Space, Add	*52.82*	
23 31 13 13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.79*	
		For Work In Restricted Working Space, Add	*55.11*	
23 31 13 13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	*28.70*	
		For Seal Class A, Add	*61.24*	
		For Work In Restricted Working Space, Add	*57.41*	
23 31 13 13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.10	73.48
		For Seal Class B, Add	*18.37*	
		For Seal Class A, Add	*39.19*	
		For Work In Restricted Working Space, Add	*36.74*	
23 31 13 13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.14	78.07
		For Seal Class B, Add	*19.52*	
		For Seal Class A, Add	*41.64*	
		For Work In Restricted Working Space, Add	*39.04*	
23 31 13 13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.12	82.67
		For Seal Class B, Add	*20.67*	
		For Seal Class A, Add	*44.09*	
		For Work In Restricted Working Space, Add	*41.33*	
23 31 13 13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.15	87.25
		For Seal Class B, Add	*21.82*	
		For Seal Class A, Add	*46.54*	
		For Work In Restricted Working Space, Add	*43.63*	
23 31 13 13-0577	LF	16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86
		For Seal Class B, Add	*22.96*	
		For Seal Class A, Add	*48.99*	
		For Work In Restricted Working Space, Add	*45.92*	
23 31 13 13-0578	LF	16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44
		For Seal Class B, Add	*24.11*	
		For Seal Class A, Add	*51.44*	
		For Work In Restricted Working Space, Add	*48.22*	
23 31 13 13-0579	LF	16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04
		For Seal Class B, Add	*25.26*	
		For Seal Class A, Add	*53.88*	
		For Work In Restricted Working Space, Add	*50.52*	
23 31 13 13-0580	LF	16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	*26.41*	
		For Seal Class A, Add	*56.34*	
		For Work In Restricted Working Space, Add	*52.82*	
23 31 13 13-0581	LF	16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.79*	
		For Work In Restricted Working Space, Add	*55.11*	
23 31 13 13-0582	LF	16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	*28.70*	
		For Seal Class A, Add	*61.24*	
		For Work In Restricted Working Space, Add	*57.41*	
23 31 13 13-0583	LF	16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	*29.85*	
		For Seal Class A, Add	*63.69*	
		For Work In Restricted Working Space, Add	*59.71*	
23 31 13 13-0584	LF	16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	*31.00*	
		For Seal Class A, Add	*66.13*	
		For Work In Restricted Working Space, Add	*62.00*	
23 31 13 13-0585	LF	16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	*32.15*	
		For Seal Class A, Add	*68.58*	
		For Work In Restricted Working Space, Add	*64.30*	
23 31 13 13-0586	LF	16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0587	LF	16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.48*	
		For Work In Restricted Working Space, Add	*68.89*	
23 31 13 13-0588	LF	18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.12	82.67
		For Seal Class B, Add	*20.67*	
		For Seal Class A, Add	*44.09*	
		For Work In Restricted Working Space, Add	*41.33*	
23 31 13 13-0589	LF	18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.15	87.25
		For Seal Class B, Add	*21.82*	
		For Seal Class A, Add	*46.54*	
		For Work In Restricted Working Space, Add	*43.63*	
23 31 13 13-0590	LF	18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86
		For Seal Class B, Add	*22.96*	
		For Seal Class A, Add	*48.99*	
		For Work In Restricted Working Space, Add	*45.92*	
23 31 13 13-0591	LF	18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44
		For Seal Class B, Add	*24.11*	
		For Seal Class A, Add	*51.44*	
		For Work In Restricted Working Space, Add	*48.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0592	LF	18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04
		For Seal Class B, Add	*25.26*	
		For Seal Class A, Add	*53.88*	
		For Work In Restricted Working Space, Add	*50.52*	
23 31 13 13-0593	LF	18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	*26.41*	
		For Seal Class A, Add	*56.34*	
		For Work In Restricted Working Space, Add	*52.82*	
23 31 13 13-0594	LF	18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.79*	
		For Work In Restricted Working Space, Add	*55.11*	
23 31 13 13-0595	LF	18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	*28.70*	
		For Seal Class A, Add	*61.24*	
		For Work In Restricted Working Space, Add	*57.41*	
23 31 13 13-0596	LF	18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	*29.85*	
		For Seal Class A, Add	*63.69*	
		For Work In Restricted Working Space, Add	*59.71*	
23 31 13 13-0597	LF	18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	*31.00*	
		For Seal Class A, Add	*66.13*	
		For Work In Restricted Working Space, Add	*62.00*	
23 31 13 13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	*32.15*	
		For Seal Class A, Add	*68.58*	
		For Work In Restricted Working Space, Add	*64.30*	
23 31 13 13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.48*	
		For Work In Restricted Working Space, Add	*68.89*	
23 31 13 13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.93*	
		For Work In Restricted Working Space, Add	*71.18*	
23 31 13 13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	*36.74*	
		For Seal Class A, Add	*78.38*	
		For Work In Restricted Working Space, Add	*73.48*	
23 31 13 13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86
		For Seal Class B, Add	*22.96*	
		For Seal Class A, Add	*48.99*	
		For Work In Restricted Working Space, Add	*45.92*	
23 31 13 13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44
		For Seal Class B, Add	*24.11*	
		For Seal Class A, Add	*51.44*	
		For Work In Restricted Working Space, Add	*48.22*	
23 31 13 13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04
		For Seal Class B, Add	*25.26*	
		For Seal Class A, Add	*53.88*	
		For Work In Restricted Working Space, Add	*50.52*	
23 31 13 13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	*26.41*	
		For Seal Class A, Add	*56.34*	
		For Work In Restricted Working Space, Add	*52.82*	
23 31 13 13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.79*	
		For Work In Restricted Working Space, Add	*55.11*	
23 31 13 13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	*28.70*	
		For Seal Class A, Add	*61.24*	
		For Work In Restricted Working Space, Add	*57.41*	
23 31 13 13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	*29.85*	
		For Seal Class A, Add	*63.69*	
		For Work In Restricted Working Space, Add	*59.71*	
23 31 13 13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	*31.00*	
		For Seal Class A, Add	*66.13*	
		For Work In Restricted Working Space, Add	*62.00*	
23 31 13 13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	*32.15*	
		For Seal Class A, Add	*68.58*	
		For Work In Restricted Working Space, Add	*64.30*	
23 31 13 13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.48*	
		For Work In Restricted Working Space, Add	*68.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.93*	
		For Work In Restricted Working Space, Add	*71.18*	
23 31 13 13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	*36.74*	
		For Seal Class A, Add	*78.38*	
		For Work In Restricted Working Space, Add	*73.48*	
23 31 13 13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	*37.89*	
		For Seal Class A, Add	*80.83*	
		For Work In Restricted Working Space, Add	*75.78*	
23 31 13 13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04
		For Seal Class B, Add	*25.26*	
		For Seal Class A, Add	*53.88*	
		For Work In Restricted Working Space, Add	*50.52*	
23 31 13 13-0619	LF	22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	*26.41*	
		For Seal Class A, Add	*56.34*	
		For Work In Restricted Working Space, Add	*52.82*	
23 31 13 13-0620	LF	22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.79*	
		For Work In Restricted Working Space, Add	*55.11*	
23 31 13 13-0621	LF	22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	*28.70*	
		For Seal Class A, Add	*61.24*	
		For Work In Restricted Working Space, Add	*57.41*	
23 31 13 13-0622	LF	22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	*29.85*	
		For Seal Class A, Add	*63.69*	
		For Work In Restricted Working Space, Add	*59.71*	
23 31 13 13-0623	LF	22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	*31.00*	
		For Seal Class A, Add	*66.13*	
		For Work In Restricted Working Space, Add	*62.00*	
23 31 13 13-0624	LF	22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	*32.15*	
		For Seal Class A, Add	*68.58*	
		For Work In Restricted Working Space, Add	*64.30*	
23 31 13 13-0625	LF	22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0626	LF	22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.48*	
		For Work In Restricted Working Space, Add	*68.89*	
23 31 13 13-0627	LF	22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.93*	
		For Work In Restricted Working Space, Add	*71.18*	
23 31 13 13-0628	LF	22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	*36.74*	
		For Seal Class A, Add	*78.38*	
		For Work In Restricted Working Space, Add	*73.48*	
23 31 13 13-0629	LF	22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	*37.89*	
		For Seal Class A, Add	*80.83*	
		For Work In Restricted Working Space, Add	*75.78*	
23 31 13 13-0630	LF	22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0631	LF	22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	*40.19*	
		For Seal Class A, Add	*85.73*	
		For Work In Restricted Working Space, Add	*80.37*	
23 31 13 13-0632	LF	24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.79*	
		For Work In Restricted Working Space, Add	*55.11*	
23 31 13 13-0633	LF	24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	*28.70*	
		For Seal Class A, Add	*61.24*	
		For Work In Restricted Working Space, Add	*57.41*	
23 31 13 13-0634	LF	24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	*29.85*	
		For Seal Class A, Add	*63.69*	
		For Work In Restricted Working Space, Add	*59.71*	
23 31 13 13-0635	LF	24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	*31.00*	
		For Seal Class A, Add	*66.13*	
		For Work In Restricted Working Space, Add	*62.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0636	LF	24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	*32.15*	
		For Seal Class A, Add	*68.58*	
		For Work In Restricted Working Space, Add	*64.30*	
23 31 13 13-0637	LF	24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0638	LF	24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.48*	
		For Work In Restricted Working Space, Add	*68.89*	
23 31 13 13-0639	LF	24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.93*	
		For Work In Restricted Working Space, Add	*71.18*	
23 31 13 13-0640	LF	24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	*36.74*	
		For Seal Class A, Add	*78.38*	
		For Work In Restricted Working Space, Add	*73.48*	
23 31 13 13-0641	LF	24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	*37.89*	
		For Seal Class A, Add	*80.83*	
		For Work In Restricted Working Space, Add	*75.78*	
23 31 13 13-0642	LF	24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0643	LF	24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	*40.19*	
		For Seal Class A, Add	*85.73*	
		For Work In Restricted Working Space, Add	*80.37*	
23 31 13 13-0644	LF	24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0645	LF	26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	*29.85*	
		For Seal Class A, Add	*63.69*	
		For Work In Restricted Working Space, Add	*59.71*	
23 31 13 13-0646	LF	26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	*31.00*	
		For Seal Class A, Add	*66.13*	
		For Work In Restricted Working Space, Add	*62.00*	
23 31 13 13-0647	LF	26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	*32.15*	
		For Seal Class A, Add	*68.58*	
		For Work In Restricted Working Space, Add	*64.30*	
23 31 13 13-0648	LF	26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0649	LF	26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.48*	
		For Work In Restricted Working Space, Add	*68.89*	
23 31 13 13-0650	LF	26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.93*	
		For Work In Restricted Working Space, Add	*71.18*	
23 31 13 13-0651	LF	26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	*36.74*	
		For Seal Class A, Add	*78.38*	
		For Work In Restricted Working Space, Add	*73.48*	
23 31 13 13-0652	LF	26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	*37.89*	
		For Seal Class A, Add	*80.83*	
		For Work In Restricted Working Space, Add	*75.78*	
23 31 13 13-0653	LF	26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0654	LF	26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	*40.19*	
		For Seal Class A, Add	*85.73*	
		For Work In Restricted Working Space, Add	*80.37*	
23 31 13 13-0655	LF	26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0656	LF	26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	*42.48*	
		For Seal Class A, Add	*90.63*	
		For Work In Restricted Working Space, Add	*84.97*	
23 31 13 13-0657	LF	28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	*32.15*	
		For Seal Class A, Add	*68.58*	
		For Work In Restricted Working Space, Add	*64.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0658	LF	28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*71.03*	
		For Work In Restricted Working Space, Add	*66.59*	
23 31 13 13-0659	LF	28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.48*	
		For Work In Restricted Working Space, Add	*68.89*	
23 31 13 13-0660	LF	28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.93*	
		For Work In Restricted Working Space, Add	*71.18*	
23 31 13 13-0661	LF	28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	*36.74*	
		For Seal Class A, Add	*78.38*	
		For Work In Restricted Working Space, Add	*73.48*	
23 31 13 13-0662	LF	28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	*37.89*	
		For Seal Class A, Add	*80.83*	
		For Work In Restricted Working Space, Add	*75.78*	
23 31 13 13-0663	LF	28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0664	LF	28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	*40.19*	
		For Seal Class A, Add	*85.73*	
		For Work In Restricted Working Space, Add	*80.37*	
23 31 13 13-0665	LF	28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0666	LF	28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	*42.48*	
		For Seal Class A, Add	*90.63*	
		For Work In Restricted Working Space, Add	*84.97*	
23 31 13 13-0667	LF	28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	*43.63*	
		For Seal Class A, Add	*93.08*	
		For Work In Restricted Working Space, Add	*87.26*	
23 31 13 13-0668	LF	30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.48*	
		For Work In Restricted Working Space, Add	*68.89*	
23 31 13 13-0669	LF	30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	*35.59*	
		For Seal Class A, Add	*75.93*	
		For Work In Restricted Working Space, Add	*71.18*	
23 31 13 13-0670	LF	30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	*36.74*	
		For Seal Class A, Add	*78.38*	
		For Work In Restricted Working Space, Add	*73.48*	
23 31 13 13-0671	LF	30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	*37.89*	
		For Seal Class A, Add	*80.83*	
		For Work In Restricted Working Space, Add	*75.78*	
23 31 13 13-0672	LF	30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0673	LF	30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	*40.19*	
		For Seal Class A, Add	*85.73*	
		For Work In Restricted Working Space, Add	*80.37*	
23 31 13 13-0674	LF	30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0675	LF	30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	*42.48*	
		For Seal Class A, Add	*90.63*	
		For Work In Restricted Working Space, Add	*84.97*	
23 31 13 13-0676	LF	30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	*43.63*	
		For Seal Class A, Add	*93.08*	
		For Work In Restricted Working Space, Add	*87.26*	
23 31 13 13-0677	LF	30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.27	179.11
		For Seal Class B, Add	*44.78*	
		For Seal Class A, Add	*95.53*	
		For Work In Restricted Working Space, Add	*89.56*	
23 31 13 13-0678	LF	32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	*36.74*	
		For Seal Class A, Add	*78.38*	
		For Work In Restricted Working Space, Add	*73.48*	
23 31 13 13-0679	LF	32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	*37.89*	
		For Seal Class A, Add	*80.83*	
		For Work In Restricted Working Space, Add	*75.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0680	LF	32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0681	LF	32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	*40.19*	
		For Seal Class A, Add	*85.73*	
		For Work In Restricted Working Space, Add	*80.37*	
23 31 13 13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	*42.48*	
		For Seal Class A, Add	*90.63*	
		For Work In Restricted Working Space, Add	*84.97*	
23 31 13 13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	*43.63*	
		For Seal Class A, Add	*93.08*	
		For Work In Restricted Working Space, Add	*87.26*	
23 31 13 13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.27	179.11
		For Seal Class B, Add	*44.78*	
		For Seal Class A, Add	*95.53*	
		For Work In Restricted Working Space, Add	*89.56*	
23 31 13 13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.29	183.71
		For Seal Class B, Add	*45.93*	
		For Seal Class A, Add	*97.98*	
		For Work In Restricted Working Space, Add	*91.85*	
23 31 13 13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	*40.19*	
		For Seal Class A, Add	*85.73*	
		For Work In Restricted Working Space, Add	*80.37*	
23 31 13 13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	*42.48*	
		For Seal Class A, Add	*90.63*	
		For Work In Restricted Working Space, Add	*84.97*	
23 31 13 13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	*43.63*	
		For Seal Class A, Add	*93.08*	
		For Work In Restricted Working Space, Add	*87.26*	
23 31 13 13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.27	179.11
		For Seal Class B, Add	*44.78*	
		For Seal Class A, Add	*95.53*	
		For Work In Restricted Working Space, Add	*89.56*	
23 31 13 13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.29	183.71
		For Seal Class B, Add	*45.93*	
		For Seal Class A, Add	*97.98*	
		For Work In Restricted Working Space, Add	*91.85*	
23 31 13 13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.28	188.30
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.43*	
		For Work In Restricted Working Space, Add	*94.15*	
23 31 13 13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	*41.33*	
		For Seal Class A, Add	*88.18*	
		For Work In Restricted Working Space, Add	*82.67*	
23 31 13 13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	*42.48*	
		For Seal Class A, Add	*90.63*	
		For Work In Restricted Working Space, Add	*84.97*	
23 31 13 13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	*43.63*	
		For Seal Class A, Add	*93.08*	
		For Work In Restricted Working Space, Add	*87.26*	
23 31 13 13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.27	179.11
		For Seal Class B, Add	*44.78*	
		For Seal Class A, Add	*95.53*	
		For Work In Restricted Working Space, Add	*89.56*	
23 31 13 13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.29	183.71
		For Seal Class B, Add	*45.93*	
		For Seal Class A, Add	*97.98*	
		For Work In Restricted Working Space, Add	*91.85*	
23 31 13 13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.28	188.30
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.43*	
		For Work In Restricted Working Space, Add	*94.15*	
23 31 13 13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	192.89
		For Seal Class B, Add	*48.22*	
		For Seal Class A, Add	*102.87*	
		For Work In Restricted Working Space, Add	*96.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	*43.63*	
		For Seal Class A, Add	*93.08*	
		For Work In Restricted Working Space, Add	*87.26*	
23 31 13 13-0703	LF	38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.27	179.11
		For Seal Class B, Add	*44.78*	
		For Seal Class A, Add	*95.53*	
		For Work In Restricted Working Space, Add	*89.56*	
23 31 13 13-0704	LF	38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.29	183.71
		For Seal Class B, Add	*45.93*	
		For Seal Class A, Add	*97.98*	
		For Work In Restricted Working Space, Add	*91.85*	
23 31 13 13-0705	LF	38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.28	188.30
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.43*	
		For Work In Restricted Working Space, Add	*94.15*	
23 31 13 13-0706	LF	38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	192.89
		For Seal Class B, Add	*48.22*	
		For Seal Class A, Add	*102.87*	
		For Work In Restricted Working Space, Add	*96.44*	
23 31 13 13-0707	LF	38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.31	197.49
		For Seal Class B, Add	*49.37*	
		For Seal Class A, Add	*105.32*	
		For Work In Restricted Working Space, Add	*98.74*	
23 31 13 13-0708	LF	38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.31	202.08
		For Seal Class B, Add	*50.52*	
		For Seal Class A, Add	*107.78*	
		For Work In Restricted Working Space, Add	*101.04*	
23 31 13 13-0709	LF	40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.29	183.71
		For Seal Class B, Add	*45.93*	
		For Seal Class A, Add	*97.98*	
		For Work In Restricted Working Space, Add	*91.85*	
23 31 13 13-0710	LF	40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.28	188.30
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.43*	
		For Work In Restricted Working Space, Add	*94.15*	
23 31 13 13-0711	LF	40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	192.89
		For Seal Class B, Add	*48.22*	
		For Seal Class A, Add	*102.87*	
		For Work In Restricted Working Space, Add	*96.44*	
23 31 13 13-0712	LF	40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.31	197.49
		For Seal Class B, Add	*49.37*	
		For Seal Class A, Add	*105.32*	
		For Work In Restricted Working Space, Add	*98.74*	
23 31 13 13-0713	LF	40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.31	202.08
		For Seal Class B, Add	*50.52*	
		For Seal Class A, Add	*107.78*	
		For Work In Restricted Working Space, Add	*101.04*	
23 31 13 13-0714	LF	40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.32	206.66
		For Seal Class B, Add	*51.67*	
		For Seal Class A, Add	*110.22*	
		For Work In Restricted Working Space, Add	*103.34*	
23 31 13 13-0715	LF	40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.31	211.27
		For Seal Class B, Add	*52.82*	
		For Seal Class A, Add	*112.67*	
		For Work In Restricted Working Space, Add	*105.63*	
23 31 13 13-0716	LF	40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.32	215.85
		For Seal Class B, Add	*53.96*	
		For Seal Class A, Add	*115.12*	
		For Work In Restricted Working Space, Add	*107.93*	
23 31 13 13-0717	LF	40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	432.34	220.45
		For Seal Class B, Add	*55.11*	
		For Seal Class A, Add	*117.57*	
		For Work In Restricted Working Space, Add	*110.22*	
23 31 13 13-0718	LF	42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	192.89
		For Seal Class B, Add	*48.22*	
		For Seal Class A, Add	*102.87*	
		For Work In Restricted Working Space, Add	*96.44*	
23 31 13 13-0719	LF	42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.31	197.49
		For Seal Class B, Add	*49.37*	
		For Seal Class A, Add	*105.32*	
		For Work In Restricted Working Space, Add	*98.74*	
23 31 13 13-0720	LF	42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.31	202.08
		For Seal Class B, Add	*50.52*	
		For Seal Class A, Add	*107.78*	
		For Work In Restricted Working Space, Add	*101.04*	
23 31 13 13-0721	LF	42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.32	206.66
		For Seal Class B, Add	*51.67*	
		For Seal Class A, Add	*110.22*	
		For Work In Restricted Working Space, Add	*103.34*	
23 31 13 13-0722	LF	42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.31	211.27
		For Seal Class B, Add	*52.82*	
		For Seal Class A, Add	*112.67*	
		For Work In Restricted Working Space, Add	*105.63*	
23 31 13 13-0723	LF	42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.32	215.85
		For Seal Class B, Add	*53.96*	
		For Seal Class A, Add	*115.12*	
		For Work In Restricted Working Space, Add	*107.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0724	LF	42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	432.34	220.45
		For Seal Class B, Add	*55.11*	
		For Seal Class A, Add	*117.57*	
		For Work In Restricted Working Space, Add	*110.22*	
23 31 13 13-0725	LF	42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.33	225.04
		For Seal Class B, Add	*56.26*	
		For Seal Class A, Add	*120.02*	
		For Work In Restricted Working Space, Add	*112.52*	
23 31 13 13-0726	LF	44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.31	202.08
		For Seal Class B, Add	*50.52*	
		For Seal Class A, Add	*107.78*	
		For Work In Restricted Working Space, Add	*101.04*	
23 31 13 13-0727	LF	44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.32	206.66
		For Seal Class B, Add	*51.67*	
		For Seal Class A, Add	*110.22*	
		For Work In Restricted Working Space, Add	*103.34*	
23 31 13 13-0728	LF	44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.31	211.27
		For Seal Class B, Add	*52.82*	
		For Seal Class A, Add	*112.67*	
		For Work In Restricted Working Space, Add	*105.63*	
23 31 13 13-0729	LF	44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.32	215.85
		For Seal Class B, Add	*53.96*	
		For Seal Class A, Add	*115.12*	
		For Work In Restricted Working Space, Add	*107.93*	
23 31 13 13-0730	LF	44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	432.34	220.45
		For Seal Class B, Add	*55.11*	
		For Seal Class A, Add	*117.57*	
		For Work In Restricted Working Space, Add	*110.22*	
23 31 13 13-0731	LF	44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.33	225.04
		For Seal Class B, Add	*56.26*	
		For Seal Class A, Add	*120.02*	
		For Work In Restricted Working Space, Add	*112.52*	
23 31 13 13-0732	LF	44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.35	229.64
		For Seal Class B, Add	*57.41*	
		For Seal Class A, Add	*122.47*	
		For Work In Restricted Working Space, Add	*114.82*	
23 31 13 13-0733	LF	46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.31	211.27
		For Seal Class B, Add	*52.82*	
		For Seal Class A, Add	*112.67*	
		For Work In Restricted Working Space, Add	*105.63*	
23 31 13 13-0734	LF	46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.32	215.85
		For Seal Class B, Add	*53.96*	
		For Seal Class A, Add	*115.12*	
		For Work In Restricted Working Space, Add	*107.93*	
23 31 13 13-0735	LF	46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	432.34	220.45
		For Seal Class B, Add	*55.11*	
		For Seal Class A, Add	*117.57*	
		For Work In Restricted Working Space, Add	*110.22*	
23 31 13 13-0736	LF	46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.33	225.04
		For Seal Class B, Add	*56.26*	
		For Seal Class A, Add	*120.02*	
		For Work In Restricted Working Space, Add	*112.52*	
23 31 13 13-0737	LF	46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.35	229.64
		For Seal Class B, Add	*57.41*	
		For Seal Class A, Add	*122.47*	
		For Work In Restricted Working Space, Add	*114.82*	
23 31 13 13-0738	LF	46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	467.02	238.83
		For Seal Class B, Add	*59.70*	
		For Seal Class A, Add	*127.37*	
		For Work In Restricted Working Space, Add	*119.41*	
23 31 13 13-0739	LF	46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	476.01	243.41
		For Seal Class B, Add	*60.85*	
		For Seal Class A, Add	*129.82*	
		For Work In Restricted Working Space, Add	*121.70*	
23 31 13 13-0740	LF	48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	432.34	220.45
		For Seal Class B, Add	*55.11*	
		For Seal Class A, Add	*117.57*	
		For Work In Restricted Working Space, Add	*110.22*	
23 31 13 13-0741	LF	48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.33	225.04
		For Seal Class B, Add	*56.26*	
		For Seal Class A, Add	*120.02*	
		For Work In Restricted Working Space, Add	*112.52*	
23 31 13 13-0742	LF	48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.35	229.64
		For Seal Class B, Add	*57.41*	
		For Seal Class A, Add	*122.47*	
		For Work In Restricted Working Space, Add	*114.82*	
23 31 13 13-0743	LF	48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.37	234.22
		For Seal Class B, Add	*58.56*	
		For Seal Class A, Add	*124.92*	
		For Work In Restricted Working Space, Add	*117.11*	
23 31 13 13-0744	LF	48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	468.36	238.83
		For Seal Class B, Add	*59.70*	
		For Seal Class A, Add	*127.37*	
		For Work In Restricted Working Space, Add	*119.41*	
23 31 13 13-0745	LF	48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	477.37	243.41
		For Seal Class B, Add	*60.85*	
		For Seal Class A, Add	*129.82*	
		For Work In Restricted Working Space, Add	*121.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0746	LF	48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	486.36	248.00
		For Seal Class B, Add	*62.00*	
		For Seal Class A, Add	*132.27*	
		For Work In Restricted Working Space, Add	*124.00*	
23 31 13 13-0747	LF	50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.35	229.64
		For Seal Class B, Add	*57.41*	
		For Seal Class A, Add	*122.47*	
		For Work In Restricted Working Space, Add	*114.82*	
23 31 13 13-0748	LF	50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.37	234.22
		For Seal Class B, Add	*58.56*	
		For Seal Class A, Add	*124.92*	
		For Work In Restricted Working Space, Add	*117.11*	
23 31 13 13-0749	LF	50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	468.36	238.83
		For Seal Class B, Add	*59.70*	
		For Seal Class A, Add	*127.37*	
		For Work In Restricted Working Space, Add	*119.41*	
23 31 13 13-0750	LF	50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	477.37	243.41
		For Seal Class B, Add	*60.85*	
		For Seal Class A, Add	*129.82*	
		For Work In Restricted Working Space, Add	*121.70*	
23 31 13 13-0751	LF	50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	486.36	248.00
		For Seal Class B, Add	*62.00*	
		For Seal Class A, Add	*132.27*	
		For Work In Restricted Working Space, Add	*124.00*	
23 31 13 13-0752	LF	50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.38	252.60
		For Seal Class B, Add	*63.15*	
		For Seal Class A, Add	*134.72*	
		For Work In Restricted Working Space, Add	*126.30*	
23 31 13 13-0753	LF	52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	468.36	238.83
		For Seal Class B, Add	*59.70*	
		For Seal Class A, Add	*127.37*	
		For Work In Restricted Working Space, Add	*119.41*	
23 31 13 13-0754	LF	52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	477.37	243.41
		For Seal Class B, Add	*60.85*	
		For Seal Class A, Add	*129.82*	
		For Work In Restricted Working Space, Add	*121.70*	
23 31 13 13-0755	LF	52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	486.36	248.00
		For Seal Class B, Add	*62.00*	
		For Seal Class A, Add	*132.27*	
		For Work In Restricted Working Space, Add	*124.00*	
23 31 13 13-0756	LF	52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.38	252.60
		For Seal Class B, Add	*63.15*	
		For Seal Class A, Add	*134.72*	
		For Work In Restricted Working Space, Add	*126.30*	
23 31 13 13-0757	LF	52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.41	257.19
		For Seal Class B, Add	*64.30*	
		For Seal Class A, Add	*137.17*	
		For Work In Restricted Working Space, Add	*128.60*	
23 31 13 13-0758	LF	54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	486.36	248.00
		For Seal Class B, Add	*62.00*	
		For Seal Class A, Add	*132.27*	
		For Work In Restricted Working Space, Add	*124.00*	
23 31 13 13-0759	LF	54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.38	252.60
		For Seal Class B, Add	*63.15*	
		For Seal Class A, Add	*134.72*	
		For Work In Restricted Working Space, Add	*126.30*	
23 31 13 13-0760	LF	54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.41	257.19
		For Seal Class B, Add	*64.30*	
		For Seal Class A, Add	*137.17*	
		For Work In Restricted Working Space, Add	*128.60*	
23 31 13 13-0761	LF	54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	513.39	261.78
		For Seal Class B, Add	*65.45*	
		For Seal Class A, Add	*139.62*	
		For Work In Restricted Working Space, Add	*130.89*	
23 31 13 13-0762	LF	54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	522.41	266.37
		For Seal Class B, Add	*66.59*	
		For Seal Class A, Add	*142.07*	
		For Work In Restricted Working Space, Add	*133.19*	
23 31 13 13-0763	LF	54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.40	270.97
		For Seal Class B, Add	*67.74*	
		For Seal Class A, Add	*144.52*	
		For Work In Restricted Working Space, Add	*135.48*	
23 31 13 13-0764	LF	56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.41	257.19
		For Seal Class B, Add	*64.30*	
		For Seal Class A, Add	*137.17*	
		For Work In Restricted Working Space, Add	*128.60*	
23 31 13 13-0765	LF	56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	513.39	261.78
		For Seal Class B, Add	*65.45*	
		For Seal Class A, Add	*139.62*	
		For Work In Restricted Working Space, Add	*130.89*	
23 31 13 13-0766	LF	56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	522.41	266.37
		For Seal Class B, Add	*66.59*	
		For Seal Class A, Add	*142.07*	
		For Work In Restricted Working Space, Add	*133.19*	
23 31 13 13-0767	LF	56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.40	270.97
		For Seal Class B, Add	*67.74*	
		For Seal Class A, Add	*144.52*	
		For Work In Restricted Working Space, Add	*135.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0768	LF	56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	540.41	275.55
		For Seal Class B, Add	*68.89*	
		For Seal Class A, Add	*146.96*	
		For Work In Restricted Working Space, Add	*137.78*	
23 31 13 13-0769	LF	58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	522.41	266.37
		For Seal Class B, Add	*66.59*	
		For Seal Class A, Add	*142.07*	
		For Work In Restricted Working Space, Add	*133.19*	
23 31 13 13-0770	LF	58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.40	270.97
		For Seal Class B, Add	*67.74*	
		For Seal Class A, Add	*144.52*	
		For Work In Restricted Working Space, Add	*135.48*	
23 31 13 13-0771	LF	58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	540.41	275.55
		For Seal Class B, Add	*68.89*	
		For Seal Class A, Add	*146.96*	
		For Work In Restricted Working Space, Add	*137.78*	
23 31 13 13-0772	LF	58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.42	280.15
		For Seal Class B, Add	*70.04*	
		For Seal Class A, Add	*149.41*	
		For Work In Restricted Working Space, Add	*140.07*	
23 31 13 13-0773	LF	58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	558.42	284.74
		For Seal Class B, Add	*71.19*	
		For Seal Class A, Add	*151.86*	
		For Work In Restricted Working Space, Add	*142.37*	
23 31 13 13-0774	LF	60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	540.41	275.55
		For Seal Class B, Add	*68.89*	
		For Seal Class A, Add	*146.96*	
		For Work In Restricted Working Space, Add	*137.78*	
23 31 13 13-0775	LF	60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.42	280.15
		For Seal Class B, Add	*70.04*	
		For Seal Class A, Add	*149.41*	
		For Work In Restricted Working Space, Add	*140.07*	
23 31 13 13-0776	LF	60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	558.42	284.74
		For Seal Class B, Add	*71.19*	
		For Seal Class A, Add	*151.86*	
		For Work In Restricted Working Space, Add	*142.37*	
23 31 13 13-0777	LF	60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.45	289.33
		For Seal Class B, Add	*72.34*	
		For Seal Class A, Add	*154.32*	
		For Work In Restricted Working Space, Add	*144.67*	
23 31 13 13-0778	LF	60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.45	293.93
		For Seal Class B, Add	*73.48*	
		For Seal Class A, Add	*156.76*	
		For Work In Restricted Working Space, Add	*146.96*	
23 31 13 13-0779	LF	62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	558.42	284.74
		For Seal Class B, Add	*71.19*	
		For Seal Class A, Add	*151.86*	
		For Work In Restricted Working Space, Add	*142.37*	
23 31 13 13-0780	LF	62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.45	289.33
		For Seal Class B, Add	*72.34*	
		For Seal Class A, Add	*154.32*	
		For Work In Restricted Working Space, Add	*144.67*	
23 31 13 13-0781	LF	62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.45	293.93
		For Seal Class B, Add	*73.48*	
		For Seal Class A, Add	*156.76*	
		For Work In Restricted Working Space, Add	*146.96*	
23 31 13 13-0782	LF	62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	585.45	298.52
		For Seal Class B, Add	*74.63*	
		For Seal Class A, Add	*159.21*	
		For Work In Restricted Working Space, Add	*149.26*	
23 31 13 13-0783	LF	62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	594.46	303.11
		For Seal Class B, Add	*75.78*	
		For Seal Class A, Add	*161.66*	
		For Work In Restricted Working Space, Add	*151.56*	
23 31 13 13-0784	LF	64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.45	293.93
		For Seal Class B, Add	*73.48*	
		For Seal Class A, Add	*156.76*	
		For Work In Restricted Working Space, Add	*146.96*	
23 31 13 13-0785	LF	64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	585.45	298.52
		For Seal Class B, Add	*74.63*	
		For Seal Class A, Add	*159.21*	
		For Work In Restricted Working Space, Add	*149.26*	
23 31 13 13-0786	LF	64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	594.46	303.11
		For Seal Class B, Add	*75.78*	
		For Seal Class A, Add	*161.66*	
		For Work In Restricted Working Space, Add	*151.56*	
23 31 13 13-0787	LF	64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.45	307.71
		For Seal Class B, Add	*76.93*	
		For Seal Class A, Add	*164.11*	
		For Work In Restricted Working Space, Add	*153.85*	
23 31 13 13-0788	LF	66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	594.46	303.11
		For Seal Class B, Add	*75.78*	
		For Seal Class A, Add	*161.66*	
		For Work In Restricted Working Space, Add	*151.56*	
23 31 13 13-0789	LF	66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.45	307.71
		For Seal Class B, Add	*76.93*	
		For Seal Class A, Add	*164.11*	
		For Work In Restricted Working Space, Add	*153.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0790	LF	66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	612.46	312.29
		For Seal Class B, Add	*78.07*	
		For Seal Class A, Add	*166.56*	
		For Work In Restricted Working Space, Add	*156.15*	
23 31 13 13-0791	LF	66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.49	316.89
		For Seal Class B, Add	*79.22*	
		For Seal Class A, Add	*169.01*	
		For Work In Restricted Working Space, Add	*158.45*	
23 31 13 13-0792	LF	68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	612.46	312.29
		For Seal Class B, Add	*78.07*	
		For Seal Class A, Add	*166.56*	
		For Work In Restricted Working Space, Add	*156.15*	
23 31 13 13-0793	LF	68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.49	316.89
		For Seal Class B, Add	*79.22*	
		For Seal Class A, Add	*169.01*	
		For Work In Restricted Working Space, Add	*158.45*	
23 31 13 13-0794	LF	68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	630.48	321.48
		For Seal Class B, Add	*80.37*	
		For Seal Class A, Add	*171.46*	
		For Work In Restricted Working Space, Add	*160.74*	
23 31 13 13-0795	LF	68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	639.49	326.08
		For Seal Class B, Add	*81.52*	
		For Seal Class A, Add	*173.91*	
		For Work In Restricted Working Space, Add	*163.04*	
23 31 13 13-0796	LF	70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	630.48	321.48
		For Seal Class B, Add	*80.37*	
		For Seal Class A, Add	*171.46*	
		For Work In Restricted Working Space, Add	*160.74*	
23 31 13 13-0797	LF	70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	639.49	326.08
		For Seal Class B, Add	*81.52*	
		For Seal Class A, Add	*173.91*	
		For Work In Restricted Working Space, Add	*163.04*	
23 31 13 13-0798	LF	70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	648.52	330.66
		For Seal Class B, Add	*82.67*	
		For Seal Class A, Add	*176.36*	
		For Work In Restricted Working Space, Add	*165.34*	
23 31 13 13-0799	LF	70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.50	335.27
		For Seal Class B, Add	*83.82*	
		For Seal Class A, Add	*178.81*	
		For Work In Restricted Working Space, Add	*167.63*	
23 31 13 13-0800	LF	70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	666.52	339.85
		For Seal Class B, Add	*84.96*	
		For Seal Class A, Add	*181.25*	
		For Work In Restricted Working Space, Add	*169.93*	
23 31 13 13-0801	LF	70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	675.50	344.45
		For Seal Class B, Add	*86.11*	
		For Seal Class A, Add	*183.70*	
		For Work In Restricted Working Space, Add	*172.22*	
23 31 13 13-0802	LF	70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.53	349.04
		For Seal Class B, Add	*87.26*	
		For Seal Class A, Add	*186.16*	
		For Work In Restricted Working Space, Add	*174.52*	
23 31 13 13-0803	LF	70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	693.55	353.63
		For Seal Class B, Add	*88.41*	
		For Seal Class A, Add	*188.60*	
		For Work In Restricted Working Space, Add	*176.82*	
23 31 13 13-0804	LF	72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	648.52	330.66
		For Seal Class B, Add	*82.67*	
		For Seal Class A, Add	*176.36*	
		For Work In Restricted Working Space, Add	*165.34*	
23 31 13 13-0805	LF	72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.50	335.27
		For Seal Class B, Add	*83.82*	
		For Seal Class A, Add	*178.81*	
		For Work In Restricted Working Space, Add	*167.63*	
23 31 13 13-0806	LF	72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	666.52	339.85
		For Seal Class B, Add	*84.96*	
		For Seal Class A, Add	*181.25*	
		For Work In Restricted Working Space, Add	*169.93*	
23 31 13 13-0807	LF	72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	675.50	344.45
		For Seal Class B, Add	*86.11*	
		For Seal Class A, Add	*183.70*	
		For Work In Restricted Working Space, Add	*172.22*	
23 31 13 13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.53	349.04
		For Seal Class B, Add	*87.26*	
		For Seal Class A, Add	*186.16*	
		For Work In Restricted Working Space, Add	*174.52*	
23 31 13 13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	693.55	353.63
		For Seal Class B, Add	*88.41*	
		For Seal Class A, Add	*188.60*	
		For Work In Restricted Working Space, Add	*176.82*	
23 31 13 13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.53	358.22
		For Seal Class B, Add	*89.56*	
		For Seal Class A, Add	*191.05*	
		For Work In Restricted Working Space, Add	*179.11*	
23 31 13 13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	666.52	339.85
		For Seal Class B, Add	*84.96*	
		For Seal Class A, Add	*181.25*	
		For Work In Restricted Working Space, Add	*169.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	675.50	344.45
		For Seal Class B, Add	*86.11*	
		For Seal Class A, Add	*183.70*	
		For Work In Restricted Working Space, Add	*172.22*	
23 31 13 13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.53	349.04
		For Seal Class B, Add	*87.26*	
		For Seal Class A, Add	*186.16*	
		For Work In Restricted Working Space, Add	*174.52*	
23 31 13 13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	693.55	353.63
		For Seal Class B, Add	*88.41*	
		For Seal Class A, Add	*188.60*	
		For Work In Restricted Working Space, Add	*176.82*	
23 31 13 13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.53	358.22
		For Seal Class B, Add	*89.56*	
		For Seal Class A, Add	*191.05*	
		For Work In Restricted Working Space, Add	*179.11*	
23 31 13 13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	711.56	362.82
		For Seal Class B, Add	*90.71*	
		For Seal Class A, Add	*193.50*	
		For Work In Restricted Working Space, Add	*181.41*	
23 31 13 13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.53	349.04
		For Seal Class B, Add	*87.26*	
		For Seal Class A, Add	*186.16*	
		For Work In Restricted Working Space, Add	*174.52*	
23 31 13 13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	693.55	353.63
		For Seal Class B, Add	*88.41*	
		For Seal Class A, Add	*188.60*	
		For Work In Restricted Working Space, Add	*176.82*	
23 31 13 13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.53	358.22
		For Seal Class B, Add	*89.56*	
		For Seal Class A, Add	*191.05*	
		For Work In Restricted Working Space, Add	*179.11*	
23 31 13 13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	711.56	362.82
		For Seal Class B, Add	*90.71*	
		For Seal Class A, Add	*193.50*	
		For Work In Restricted Working Space, Add	*181.41*	
23 31 13 13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	720.54	367.41
		For Seal Class B, Add	*91.85*	
		For Seal Class A, Add	*195.95*	
		For Work In Restricted Working Space, Add	*183.71*	
23 31 13 13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.53	358.22
		For Seal Class B, Add	*89.56*	
		For Seal Class A, Add	*191.05*	
		For Work In Restricted Working Space, Add	*179.11*	
23 31 13 13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	711.56	362.82
		For Seal Class B, Add	*90.71*	
		For Seal Class A, Add	*193.50*	
		For Work In Restricted Working Space, Add	*181.41*	
23 31 13 13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	720.54	367.41
		For Seal Class B, Add	*91.85*	
		For Seal Class A, Add	*195.95*	
		For Work In Restricted Working Space, Add	*183.71*	
23 31 13 13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	729.56	372.00
		For Seal Class B, Add	*93.00*	
		For Seal Class A, Add	*198.40*	
		For Work In Restricted Working Space, Add	*186.00*	
23 31 13 13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	720.54	367.41
		For Seal Class B, Add	*91.85*	
		For Seal Class A, Add	*195.95*	
		For Work In Restricted Working Space, Add	*183.71*	
23 31 13 13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	729.56	372.00
		For Seal Class B, Add	*93.00*	
		For Seal Class A, Add	*198.40*	
		For Work In Restricted Working Space, Add	*186.00*	
23 31 13 13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.57	376.60
		For Seal Class B, Add	*94.15*	
		For Seal Class A, Add	*200.85*	
		For Work In Restricted Working Space, Add	*188.30*	
23 31 13 13-0829	LF	82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.57	376.60
		For Seal Class B, Add	*94.15*	
		For Seal Class A, Add	*200.85*	
		For Work In Restricted Working Space, Add	*188.30*	
23 31 13 13-0830	LF	82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	747.57	381.19
		For Seal Class B, Add	*95.30*	
		For Seal Class A, Add	*203.30*	
		For Work In Restricted Working Space, Add	*190.60*	
23 31 13 13-0831	LF	84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	756.59	385.77
		For Seal Class B, Add	*96.45*	
		For Seal Class A, Add	*205.75*	
		For Work In Restricted Working Space, Add	*192.89*	

23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0833	LF	4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.92	23.91
		For Seal Class B, Add	*5.98*	
		For Seal Class A, Add	*12.76*	
		For Work In Restricted Working Space, Add	*11.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0834	LF	4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.63	29.89
		For Seal Class B, Add	*7.47*	
		For Seal Class A, Add	*15.95*	
		For Work In Restricted Working Space, Add	*14.95*	
23 31 13 13-0835	LF	4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.35	35.88
		For Seal Class B, Add	*8.97*	
		For Seal Class A, Add	*19.13*	
		For Work In Restricted Working Space, Add	*17.94*	
23 31 13 13-0836	LF	4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.08	41.86
		For Seal Class B, Add	*10.46*	
		For Seal Class A, Add	*22.32*	
		For Work In Restricted Working Space, Add	*20.93*	
23 31 13 13-0837	LF	4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.82	47.84
		For Seal Class B, Add	*11.96*	
		For Seal Class A, Add	*25.51*	
		For Work In Restricted Working Space, Add	*23.92*	
23 31 13 13-0838	LF	4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.53	53.81
		For Seal Class B, Add	*13.45*	
		For Seal Class A, Add	*28.70*	
		For Work In Restricted Working Space, Add	*26.90*	
23 31 13 13-0839	LF	4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.27	59.79
		For Seal Class B, Add	*14.95*	
		For Seal Class A, Add	*31.89*	
		For Work In Restricted Working Space, Add	*29.90*	
23 31 13 13-0840	LF	6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.35	35.88
		For Seal Class B, Add	*8.97*	
		For Seal Class A, Add	*19.13*	
		For Work In Restricted Working Space, Add	*17.94*	
23 31 13 13-0841	LF	6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.08	41.86
		For Seal Class B, Add	*10.46*	
		For Seal Class A, Add	*22.32*	
		For Work In Restricted Working Space, Add	*20.93*	
23 31 13 13-0842	LF	6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.82	47.84
		For Seal Class B, Add	*11.96*	
		For Seal Class A, Add	*25.51*	
		For Work In Restricted Working Space, Add	*23.92*	
23 31 13 13-0843	LF	6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.53	53.81
		For Seal Class B, Add	*13.45*	
		For Seal Class A, Add	*28.70*	
		For Work In Restricted Working Space, Add	*26.90*	
23 31 13 13-0844	LF	6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.27	59.79
		For Seal Class B, Add	*14.95*	
		For Seal Class A, Add	*31.89*	
		For Work In Restricted Working Space, Add	*29.90*	
23 31 13 13-0845	LF	6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.99	65.77
		For Seal Class B, Add	*16.44*	
		For Seal Class A, Add	*35.08*	
		For Work In Restricted Working Space, Add	*32.89*	
23 31 13 13-0846	LF	8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.82	47.84
		For Seal Class B, Add	*11.96*	
		For Seal Class A, Add	*25.51*	
		For Work In Restricted Working Space, Add	*23.92*	
23 31 13 13-0847	LF	8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.53	53.81
		For Seal Class B, Add	*13.45*	
		For Seal Class A, Add	*28.70*	
		For Work In Restricted Working Space, Add	*26.90*	
23 31 13 13-0848	LF	8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.27	59.79
		For Seal Class B, Add	*14.95*	
		For Seal Class A, Add	*31.89*	
		For Work In Restricted Working Space, Add	*29.90*	
23 31 13 13-0849	LF	8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.99	65.77
		For Seal Class B, Add	*16.44*	
		For Seal Class A, Add	*35.08*	
		For Work In Restricted Working Space, Add	*32.89*	
23 31 13 13-0850	LF	8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.71	71.75
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.27*	
		For Work In Restricted Working Space, Add	*35.88*	
23 31 13 13-0851	LF	8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.45	77.72
		For Seal Class B, Add	*19.43*	
		For Seal Class A, Add	*41.46*	
		For Work In Restricted Working Space, Add	*38.87*	
23 31 13 13-0852	LF	8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.17	83.71
		For Seal Class B, Add	*20.93*	
		For Seal Class A, Add	*44.64*	
		For Work In Restricted Working Space, Add	*41.85*	
23 31 13 13-0853	LF	8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.89	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0854	LF	8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.61	95.67
		For Seal Class B, Add	*23.92*	
		For Seal Class A, Add	*51.02*	
		For Work In Restricted Working Space, Add	*47.83*	
23 31 13 13-0855	LF	10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.27	59.79
		For Seal Class B, Add	*14.95*	
		For Seal Class A, Add	*31.89*	
		For Work In Restricted Working Space, Add	*29.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.99	65.77
		For Seal Class B, Add	*16.44*	
		For Seal Class A, Add	*35.08*	
		For Work In Restricted Working Space, Add	*32.89*	
23 31 13 13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.71	71.75
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.27*	
		For Work In Restricted Working Space, Add	*35.88*	
23 31 13 13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.45	77.72
		For Seal Class B, Add	*19.43*	
		For Seal Class A, Add	*41.46*	
		For Work In Restricted Working Space, Add	*38.87*	
23 31 13 13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.17	83.71
		For Seal Class B, Add	*20.93*	
		For Seal Class A, Add	*44.64*	
		For Work In Restricted Working Space, Add	*41.85*	
23 31 13 13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.89	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.61	95.67
		For Seal Class B, Add	*23.92*	
		For Seal Class A, Add	*51.02*	
		For Work In Restricted Working Space, Add	*47.83*	
23 31 13 13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.34	101.65
		For Seal Class B, Add	*25.41*	
		For Seal Class A, Add	*54.21*	
		For Work In Restricted Working Space, Add	*50.83*	
23 31 13 13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.09	107.63
		For Seal Class B, Add	*26.91*	
		For Seal Class A, Add	*57.40*	
		For Work In Restricted Working Space, Add	*53.81*	
23 31 13 13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.81	113.61
		For Seal Class B, Add	*28.40*	
		For Seal Class A, Add	*60.59*	
		For Work In Restricted Working Space, Add	*56.81*	
23 31 13 13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.53	119.59
		For Seal Class B, Add	*29.90*	
		For Seal Class A, Add	*63.78*	
		For Work In Restricted Working Space, Add	*59.79*	
23 31 13 13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.24	125.56
		For Seal Class B, Add	*31.39*	
		For Seal Class A, Add	*66.97*	
		For Work In Restricted Working Space, Add	*62.78*	
23 31 13 13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.71	71.75
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.27*	
		For Work In Restricted Working Space, Add	*35.88*	
23 31 13 13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.45	77.72
		For Seal Class B, Add	*19.43*	
		For Seal Class A, Add	*41.46*	
		For Work In Restricted Working Space, Add	*38.87*	
23 31 13 13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.17	83.71
		For Seal Class B, Add	*20.93*	
		For Seal Class A, Add	*44.64*	
		For Work In Restricted Working Space, Add	*41.85*	
23 31 13 13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.89	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0871	LF	12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.61	95.67
		For Seal Class B, Add	*23.92*	
		For Seal Class A, Add	*51.02*	
		For Work In Restricted Working Space, Add	*47.83*	
23 31 13 13-0872	LF	12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.34	101.65
		For Seal Class B, Add	*25.41*	
		For Seal Class A, Add	*54.21*	
		For Work In Restricted Working Space, Add	*50.83*	
23 31 13 13-0873	LF	12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.09	107.63
		For Seal Class B, Add	*26.91*	
		For Seal Class A, Add	*57.40*	
		For Work In Restricted Working Space, Add	*53.81*	
23 31 13 13-0874	LF	12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.81	113.61
		For Seal Class B, Add	*28.40*	
		For Seal Class A, Add	*60.59*	
		For Work In Restricted Working Space, Add	*56.81*	
23 31 13 13-0875	LF	12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.53	119.59
		For Seal Class B, Add	*29.90*	
		For Seal Class A, Add	*63.78*	
		For Work In Restricted Working Space, Add	*59.79*	
23 31 13 13-0876	LF	12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.24	125.56
		For Seal Class B, Add	*31.39*	
		For Seal Class A, Add	*66.97*	
		For Work In Restricted Working Space, Add	*62.78*	
23 31 13 13-0877	LF	12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.96	131.55
		For Seal Class B, Add	*32.88*	
		For Seal Class A, Add	*70.15*	
		For Work In Restricted Working Space, Add	*65.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0878	LF	12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.71	137.52
		For Seal Class B, Add	*34.38*	
		For Seal Class A, Add	*73.34*	
		For Work In Restricted Working Space, Add	*68.76*	
23 31 13 13-0879	LF	12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.54*	
		For Work In Restricted Working Space, Add	*71.75*	
23 31 13 13-0880	LF	14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.17	83.71
		For Seal Class B, Add	*20.93*	
		For Seal Class A, Add	*44.64*	
		For Work In Restricted Working Space, Add	*41.85*	
23 31 13 13-0881	LF	14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.89	89.68
		For Seal Class B, Add	*22.42*	
		For Seal Class A, Add	*47.83*	
		For Work In Restricted Working Space, Add	*44.84*	
23 31 13 13-0882	LF	14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.61	95.67
		For Seal Class B, Add	*23.92*	
		For Seal Class A, Add	*51.02*	
		For Work In Restricted Working Space, Add	*47.83*	
23 31 13 13-0883	LF	14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.34	101.65
		For Seal Class B, Add	*25.41*	
		For Seal Class A, Add	*54.21*	
		For Work In Restricted Working Space, Add	*50.83*	
23 31 13 13-0884	LF	14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.09	107.63
		For Seal Class B, Add	*26.91*	
		For Seal Class A, Add	*57.40*	
		For Work In Restricted Working Space, Add	*53.81*	
23 31 13 13-0885	LF	14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.81	113.61
		For Seal Class B, Add	*28.40*	
		For Seal Class A, Add	*60.59*	
		For Work In Restricted Working Space, Add	*56.81*	
23 31 13 13-0886	LF	14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.53	119.59
		For Seal Class B, Add	*29.90*	
		For Seal Class A, Add	*63.78*	
		For Work In Restricted Working Space, Add	*59.79*	
23 31 13 13-0887	LF	14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.24	125.56
		For Seal Class B, Add	*31.39*	
		For Seal Class A, Add	*66.97*	
		For Work In Restricted Working Space, Add	*62.78*	
23 31 13 13-0888	LF	14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.96	131.55
		For Seal Class B, Add	*32.88*	
		For Seal Class A, Add	*70.15*	
		For Work In Restricted Working Space, Add	*65.77*	
23 31 13 13-0889	LF	14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.71	137.52
		For Seal Class B, Add	*34.38*	
		For Seal Class A, Add	*73.34*	
		For Work In Restricted Working Space, Add	*68.76*	
23 31 13 13-0890	LF	14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.54*	
		For Work In Restricted Working Space, Add	*71.75*	
23 31 13 13-0891	LF	14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48
		For Seal Class B, Add	*37.37*	
		For Seal Class A, Add	*79.72*	
		For Work In Restricted Working Space, Add	*74.74*	
23 31 13 13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.61	95.67
		For Seal Class B, Add	*23.92*	
		For Seal Class A, Add	*51.02*	
		For Work In Restricted Working Space, Add	*47.83*	
23 31 13 13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.34	101.65
		For Seal Class B, Add	*25.41*	
		For Seal Class A, Add	*54.21*	
		For Work In Restricted Working Space, Add	*50.83*	
23 31 13 13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.09	107.63
		For Seal Class B, Add	*26.91*	
		For Seal Class A, Add	*57.40*	
		For Work In Restricted Working Space, Add	*53.81*	
23 31 13 13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.81	113.61
		For Seal Class B, Add	*28.40*	
		For Seal Class A, Add	*60.59*	
		For Work In Restricted Working Space, Add	*56.81*	
23 31 13 13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.53	119.59
		For Seal Class B, Add	*29.90*	
		For Seal Class A, Add	*63.78*	
		For Work In Restricted Working Space, Add	*59.79*	
23 31 13 13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.24	125.56
		For Seal Class B, Add	*31.39*	
		For Seal Class A, Add	*66.97*	
		For Work In Restricted Working Space, Add	*62.78*	
23 31 13 13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.96	131.55
		For Seal Class B, Add	*32.88*	
		For Seal Class A, Add	*70.15*	
		For Work In Restricted Working Space, Add	*65.77*	
23 31 13 13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.71	137.52
		For Seal Class B, Add	*34.38*	
		For Seal Class A, Add	*73.34*	
		For Work In Restricted Working Space, Add	*68.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.54*	
		For Work In Restricted Working Space, Add	*71.75*	
23 31 13 13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48
		For Seal Class B, Add	*37.37*	
		For Seal Class A, Add	*79.72*	
		For Work In Restricted Working Space, Add	*74.74*	
23 31 13 13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46
		For Seal Class B, Add	*38.87*	
		For Seal Class A, Add	*82.91*	
		For Work In Restricted Working Space, Add	*77.73*	
23 31 13 13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	
23 31 13 13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	*41.85*	
		For Seal Class A, Add	*89.29*	
		For Work In Restricted Working Space, Add	*83.71*	
23 31 13 13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	*43.35*	
		For Seal Class A, Add	*92.48*	
		For Work In Restricted Working Space, Add	*86.70*	
23 31 13 13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	*44.85*	
		For Seal Class A, Add	*95.67*	
		For Work In Restricted Working Space, Add	*89.69*	
23 31 13 13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.09	107.63
		For Seal Class B, Add	*26.91*	
		For Seal Class A, Add	*57.40*	
		For Work In Restricted Working Space, Add	*53.81*	
23 31 13 13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.81	113.61
		For Seal Class B, Add	*28.40*	
		For Seal Class A, Add	*60.59*	
		For Work In Restricted Working Space, Add	*56.81*	
23 31 13 13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.53	119.59
		For Seal Class B, Add	*29.90*	
		For Seal Class A, Add	*63.78*	
		For Work In Restricted Working Space, Add	*59.79*	
23 31 13 13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.24	125.56
		For Seal Class B, Add	*31.39*	
		For Seal Class A, Add	*66.97*	
		For Work In Restricted Working Space, Add	*62.78*	
23 31 13 13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.96	131.55
		For Seal Class B, Add	*32.88*	
		For Seal Class A, Add	*70.15*	
		For Work In Restricted Working Space, Add	*65.77*	
23 31 13 13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.71	137.52
		For Seal Class B, Add	*34.38*	
		For Seal Class A, Add	*73.34*	
		For Work In Restricted Working Space, Add	*68.76*	
23 31 13 13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.54*	
		For Work In Restricted Working Space, Add	*71.75*	
23 31 13 13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48
		For Seal Class B, Add	*37.37*	
		For Seal Class A, Add	*79.72*	
		For Work In Restricted Working Space, Add	*74.74*	
23 31 13 13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46
		For Seal Class B, Add	*38.87*	
		For Seal Class A, Add	*82.91*	
		For Work In Restricted Working Space, Add	*77.73*	
23 31 13 13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	
23 31 13 13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	*41.85*	
		For Seal Class A, Add	*89.29*	
		For Work In Restricted Working Space, Add	*83.71*	
23 31 13 13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	*43.35*	
		For Seal Class A, Add	*92.48*	
		For Work In Restricted Working Space, Add	*86.70*	
23 31 13 13-0919	LF	18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	*44.85*	
		For Seal Class A, Add	*95.67*	
		For Work In Restricted Working Space, Add	*89.69*	
23 31 13 13-0920	LF	18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	*46.34*	
		For Seal Class A, Add	*98.86*	
		For Work In Restricted Working Space, Add	*92.68*	
23 31 13 13-0921	LF	18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	*47.84*	
		For Seal Class A, Add	*102.05*	
		For Work In Restricted Working Space, Add	*95.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0922	LF	20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.53	119.59
		For Seal Class B, Add	*29.90*	
		For Seal Class A, Add	*63.78*	
		For Work In Restricted Working Space, Add	*59.79*	
23 31 13 13-0923	LF	20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.24	125.56
		For Seal Class B, Add	*31.39*	
		For Seal Class A, Add	*66.97*	
		For Work In Restricted Working Space, Add	*62.78*	
23 31 13 13-0924	LF	20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.96	131.55
		For Seal Class B, Add	*32.88*	
		For Seal Class A, Add	*70.15*	
		For Work In Restricted Working Space, Add	*65.77*	
23 31 13 13-0925	LF	20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.71	137.52
		For Seal Class B, Add	*34.38*	
		For Seal Class A, Add	*73.34*	
		For Work In Restricted Working Space, Add	*68.76*	
23 31 13 13-0926	LF	20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.54*	
		For Work In Restricted Working Space, Add	*71.75*	
23 31 13 13-0927	LF	20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48
		For Seal Class B, Add	*37.37*	
		For Seal Class A, Add	*79.72*	
		For Work In Restricted Working Space, Add	*74.74*	
23 31 13 13-0928	LF	20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46
		For Seal Class B, Add	*38.87*	
		For Seal Class A, Add	*82.91*	
		For Work In Restricted Working Space, Add	*77.73*	
23 31 13 13-0929	LF	20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	
23 31 13 13-0930	LF	20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	*41.85*	
		For Seal Class A, Add	*89.29*	
		For Work In Restricted Working Space, Add	*83.71*	
23 31 13 13-0931	LF	20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	*43.35*	
		For Seal Class A, Add	*92.48*	
		For Work In Restricted Working Space, Add	*86.70*	
23 31 13 13-0932	LF	20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	*44.85*	
		For Seal Class A, Add	*95.67*	
		For Work In Restricted Working Space, Add	*89.69*	
23 31 13 13-0933	LF	20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	*46.34*	
		For Seal Class A, Add	*98.86*	
		For Work In Restricted Working Space, Add	*92.68*	
23 31 13 13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	*47.84*	
		For Seal Class A, Add	*102.05*	
		For Work In Restricted Working Space, Add	*95.67*	
23 31 13 13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
		For Seal Class B, Add	*49.33*	
		For Seal Class A, Add	*105.24*	
		For Work In Restricted Working Space, Add	*98.66*	
23 31 13 13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	*50.82*	
		For Seal Class A, Add	*108.42*	
		For Work In Restricted Working Space, Add	*101.65*	
23 31 13 13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.96	131.55
		For Seal Class B, Add	*32.88*	
		For Seal Class A, Add	*70.15*	
		For Work In Restricted Working Space, Add	*65.77*	
23 31 13 13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.71	137.52
		For Seal Class B, Add	*34.38*	
		For Seal Class A, Add	*73.34*	
		For Work In Restricted Working Space, Add	*68.76*	
23 31 13 13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.54*	
		For Work In Restricted Working Space, Add	*71.75*	
23 31 13 13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48
		For Seal Class B, Add	*37.37*	
		For Seal Class A, Add	*79.72*	
		For Work In Restricted Working Space, Add	*74.74*	
23 31 13 13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46
		For Seal Class B, Add	*38.87*	
		For Seal Class A, Add	*82.91*	
		For Work In Restricted Working Space, Add	*77.73*	
23 31 13 13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	
23 31 13 13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	*41.85*	
		For Seal Class A, Add	*89.29*	
		For Work In Restricted Working Space, Add	*83.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	*43.35*	
		For Seal Class A, Add	*92.48*	
		For Work In Restricted Working Space, Add	*86.70*	
23 31 13 13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	*44.85*	
		For Seal Class A, Add	*95.67*	
		For Work In Restricted Working Space, Add	*89.69*	
23 31 13 13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	*46.34*	
		For Seal Class A, Add	*98.86*	
		For Work In Restricted Working Space, Add	*92.68*	
23 31 13 13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	*47.84*	
		For Seal Class A, Add	*102.05*	
		For Work In Restricted Working Space, Add	*95.67*	
23 31 13 13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
		For Seal Class B, Add	*49.33*	
		For Seal Class A, Add	*105.24*	
		For Work In Restricted Working Space, Add	*98.66*	
23 31 13 13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	*50.82*	
		For Seal Class A, Add	*108.42*	
		For Work In Restricted Working Space, Add	*101.65*	
23 31 13 13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
		For Seal Class B, Add	*52.32*	
		For Seal Class A, Add	*111.61*	
		For Work In Restricted Working Space, Add	*104.64*	
23 31 13 13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.54*	
		For Work In Restricted Working Space, Add	*71.75*	
23 31 13 13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48
		For Seal Class B, Add	*37.37*	
		For Seal Class A, Add	*79.72*	
		For Work In Restricted Working Space, Add	*74.74*	
23 31 13 13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46
		For Seal Class B, Add	*38.87*	
		For Seal Class A, Add	*82.91*	
		For Work In Restricted Working Space, Add	*77.73*	
23 31 13 13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	
23 31 13 13-0955	LF	24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	*41.85*	
		For Seal Class A, Add	*89.29*	
		For Work In Restricted Working Space, Add	*83.71*	
23 31 13 13-0956	LF	24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	*43.35*	
		For Seal Class A, Add	*92.48*	
		For Work In Restricted Working Space, Add	*86.70*	
23 31 13 13-0957	LF	24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	*44.85*	
		For Seal Class A, Add	*95.67*	
		For Work In Restricted Working Space, Add	*89.69*	
23 31 13 13-0958	LF	24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	*46.34*	
		For Seal Class A, Add	*98.86*	
		For Work In Restricted Working Space, Add	*92.68*	
23 31 13 13-0959	LF	24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	*47.84*	
		For Seal Class A, Add	*102.05*	
		For Work In Restricted Working Space, Add	*95.67*	
23 31 13 13-0960	LF	24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
		For Seal Class B, Add	*49.33*	
		For Seal Class A, Add	*105.24*	
		For Work In Restricted Working Space, Add	*98.66*	
23 31 13 13-0961	LF	24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	*50.82*	
		For Seal Class A, Add	*108.42*	
		For Work In Restricted Working Space, Add	*101.65*	
23 31 13 13-0962	LF	24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
		For Seal Class B, Add	*52.32*	
		For Seal Class A, Add	*111.61*	
		For Work In Restricted Working Space, Add	*104.64*	
23 31 13 13-0963	LF	24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
		For Seal Class B, Add	*53.81*	
		For Seal Class A, Add	*114.80*	
		For Work In Restricted Working Space, Add	*107.63*	
23 31 13 13-0964	LF	26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46
		For Seal Class B, Add	*38.87*	
		For Seal Class A, Add	*82.91*	
		For Work In Restricted Working Space, Add	*77.73*	
23 31 13 13-0965	LF	26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43
		For Seal Class B, Add	*40.36*	
		For Seal Class A, Add	*86.10*	
		For Work In Restricted Working Space, Add	*80.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0966	LF	26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	*41.85*	
		For Seal Class A, Add	*89.29*	
		For Work In Restricted Working Space, Add	*83.71*	
23 31 13 13-0967	LF	26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	*43.35*	
		For Seal Class A, Add	*92.48*	
		For Work In Restricted Working Space, Add	*86.70*	
23 31 13 13-0968	LF	26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	*44.85*	
		For Seal Class A, Add	*95.67*	
		For Work In Restricted Working Space, Add	*89.69*	
23 31 13 13-0969	LF	26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	*46.34*	
		For Seal Class A, Add	*98.86*	
		For Work In Restricted Working Space, Add	*92.68*	
23 31 13 13-0970	LF	26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	*47.84*	
		For Seal Class A, Add	*102.05*	
		For Work In Restricted Working Space, Add	*95.67*	
23 31 13 13-0971	LF	26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
		For Seal Class B, Add	*49.33*	
		For Seal Class A, Add	*105.24*	
		For Work In Restricted Working Space, Add	*98.66*	
23 31 13 13-0972	LF	26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	*50.82*	
		For Seal Class A, Add	*108.42*	
		For Work In Restricted Working Space, Add	*101.65*	
23 31 13 13-0973	LF	26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
		For Seal Class B, Add	*52.32*	
		For Seal Class A, Add	*111.61*	
		For Work In Restricted Working Space, Add	*104.64*	
23 31 13 13-0974	LF	26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
		For Seal Class B, Add	*53.81*	
		For Seal Class A, Add	*114.80*	
		For Work In Restricted Working Space, Add	*107.63*	
23 31 13 13-0975	LF	26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
		For Seal Class B, Add	*55.31*	
		For Seal Class A, Add	*117.99*	
		For Work In Restricted Working Space, Add	*110.62*	
23 31 13 13-0976	LF	28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	*41.85*	
		For Seal Class A, Add	*89.29*	
		For Work In Restricted Working Space, Add	*83.71*	
23 31 13 13-0977	LF	28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	*43.35*	
		For Seal Class A, Add	*92.48*	
		For Work In Restricted Working Space, Add	*86.70*	
23 31 13 13-0978	LF	28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	*44.85*	
		For Seal Class A, Add	*95.67*	
		For Work In Restricted Working Space, Add	*89.69*	
23 31 13 13-0979	LF	28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	*46.34*	
		For Seal Class A, Add	*98.86*	
		For Work In Restricted Working Space, Add	*92.68*	
23 31 13 13-0980	LF	28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	*47.84*	
		For Seal Class A, Add	*102.05*	
		For Work In Restricted Working Space, Add	*95.67*	
23 31 13 13-0981	LF	28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
		For Seal Class B, Add	*49.33*	
		For Seal Class A, Add	*105.24*	
		For Work In Restricted Working Space, Add	*98.66*	
23 31 13 13-0982	LF	28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	*50.82*	
		For Seal Class A, Add	*108.42*	
		For Work In Restricted Working Space, Add	*101.65*	
23 31 13 13-0983	LF	28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
		For Seal Class B, Add	*52.32*	
		For Seal Class A, Add	*111.61*	
		For Work In Restricted Working Space, Add	*104.64*	
23 31 13 13-0984	LF	28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
		For Seal Class B, Add	*53.81*	
		For Seal Class A, Add	*114.80*	
		For Work In Restricted Working Space, Add	*107.63*	
23 31 13 13-0985	LF	28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
		For Seal Class B, Add	*55.31*	
		For Seal Class A, Add	*117.99*	
		For Work In Restricted Working Space, Add	*110.62*	
23 31 13 13-0986	LF	28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
		For Seal Class B, Add	*56.80*	
		For Seal Class A, Add	*121.18*	
		For Work In Restricted Working Space, Add	*113.61*	
23 31 13 13-0987	LF	30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	*44.85*	
		For Seal Class A, Add	*95.67*	
		For Work In Restricted Working Space, Add	*89.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0988	LF	30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	*46.34*	
		For Seal Class A, Add	*98.86*	
		For Work In Restricted Working Space, Add	*92.68*	
23 31 13 13-0989	LF	30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	*47.84*	
		For Seal Class A, Add	*102.05*	
		For Work In Restricted Working Space, Add	*95.67*	
23 31 13 13-0990	LF	30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
		For Seal Class B, Add	*49.33*	
		For Seal Class A, Add	*105.24*	
		For Work In Restricted Working Space, Add	*98.66*	
23 31 13 13-0991	LF	30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	*50.82*	
		For Seal Class A, Add	*108.42*	
		For Work In Restricted Working Space, Add	*101.65*	
23 31 13 13-0992	LF	30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
		For Seal Class B, Add	*52.32*	
		For Seal Class A, Add	*111.61*	
		For Work In Restricted Working Space, Add	*104.64*	
23 31 13 13-0993	LF	30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
		For Seal Class B, Add	*53.81*	
		For Seal Class A, Add	*114.80*	
		For Work In Restricted Working Space, Add	*107.63*	
23 31 13 13-0994	LF	30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
		For Seal Class B, Add	*55.31*	
		For Seal Class A, Add	*117.99*	
		For Work In Restricted Working Space, Add	*110.62*	
23 31 13 13-0995	LF	30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
		For Seal Class B, Add	*56.80*	
		For Seal Class A, Add	*121.18*	
		For Work In Restricted Working Space, Add	*113.61*	
23 31 13 13-0996	LF	30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.33	233.20
		For Seal Class B, Add	*58.30*	
		For Seal Class A, Add	*124.37*	
		For Work In Restricted Working Space, Add	*116.60*	
23 31 13 13-0997	LF	32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	*47.84*	
		For Seal Class A, Add	*102.05*	
		For Work In Restricted Working Space, Add	*95.67*	
23 31 13 13-0998	LF	32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
		For Seal Class B, Add	*49.33*	
		For Seal Class A, Add	*105.24*	
		For Work In Restricted Working Space, Add	*98.66*	
23 31 13 13-0999	LF	32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	*50.82*	
		For Seal Class A, Add	*108.42*	
		For Work In Restricted Working Space, Add	*101.65*	
23 31 13 13-1000	LF	32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
		For Seal Class B, Add	*52.32*	
		For Seal Class A, Add	*111.61*	
		For Work In Restricted Working Space, Add	*104.64*	
23 31 13 13-1001	LF	32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
		For Seal Class B, Add	*53.81*	
		For Seal Class A, Add	*114.80*	
		For Work In Restricted Working Space, Add	*107.63*	
23 31 13 13-1002	LF	32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
		For Seal Class B, Add	*55.31*	
		For Seal Class A, Add	*117.99*	
		For Work In Restricted Working Space, Add	*110.62*	
23 31 13 13-1003	LF	32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
		For Seal Class B, Add	*56.80*	
		For Seal Class A, Add	*121.18*	
		For Work In Restricted Working Space, Add	*113.61*	
23 31 13 13-1004	LF	32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.33	233.20
		For Seal Class B, Add	*58.30*	
		For Seal Class A, Add	*124.37*	
		For Work In Restricted Working Space, Add	*116.60*	
23 31 13 13-1005	LF	32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.05	239.18
		For Seal Class B, Add	*59.79*	
		For Seal Class A, Add	*127.56*	
		For Work In Restricted Working Space, Add	*119.59*	
23 31 13 13-1006	LF	34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	*50.82*	
		For Seal Class A, Add	*108.42*	
		For Work In Restricted Working Space, Add	*101.65*	
23 31 13 13-1007	LF	34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
		For Seal Class B, Add	*52.32*	
		For Seal Class A, Add	*111.61*	
		For Work In Restricted Working Space, Add	*104.64*	
23 31 13 13-1008	LF	34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
		For Seal Class B, Add	*53.81*	
		For Seal Class A, Add	*114.80*	
		For Work In Restricted Working Space, Add	*107.63*	
23 31 13 13-1009	LF	34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
		For Seal Class B, Add	*55.31*	
		For Seal Class A, Add	*117.99*	
		For Work In Restricted Working Space, Add	*110.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1010	LF	34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
		For Seal Class B, Add	*56.80*	
		For Seal Class A, Add	*121.18*	
		For Work In Restricted Working Space, Add	*113.61*	
23 31 13 13-1011	LF	34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.33	233.20
		For Seal Class B, Add	*58.30*	
		For Seal Class A, Add	*124.37*	
		For Work In Restricted Working Space, Add	*116.60*	
23 31 13 13-1012	LF	34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.05	239.18
		For Seal Class B, Add	*59.79*	
		For Seal Class A, Add	*127.56*	
		For Work In Restricted Working Space, Add	*119.59*	
23 31 13 13-1013	LF	34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.77	245.15
		For Seal Class B, Add	*61.29*	
		For Seal Class A, Add	*130.75*	
		For Work In Restricted Working Space, Add	*122.57*	
23 31 13 13-1014	LF	36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
		For Seal Class B, Add	*53.81*	
		For Seal Class A, Add	*114.80*	
		For Work In Restricted Working Space, Add	*107.63*	
23 31 13 13-1015	LF	36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
		For Seal Class B, Add	*55.31*	
		For Seal Class A, Add	*117.99*	
		For Work In Restricted Working Space, Add	*110.62*	
23 31 13 13-1016	LF	36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
		For Seal Class B, Add	*56.80*	
		For Seal Class A, Add	*121.18*	
		For Work In Restricted Working Space, Add	*113.61*	
23 31 13 13-1017	LF	36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.33	233.20
		For Seal Class B, Add	*58.30*	
		For Seal Class A, Add	*124.37*	
		For Work In Restricted Working Space, Add	*116.60*	
23 31 13 13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.05	239.18
		For Seal Class B, Add	*59.79*	
		For Seal Class A, Add	*127.56*	
		For Work In Restricted Working Space, Add	*119.59*	
23 31 13 13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.77	245.15
		For Seal Class B, Add	*61.29*	
		For Seal Class A, Add	*130.75*	
		For Work In Restricted Working Space, Add	*122.57*	
23 31 13 13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.51	251.14
		For Seal Class B, Add	*62.78*	
		For Seal Class A, Add	*133.93*	
		For Work In Restricted Working Space, Add	*125.56*	
23 31 13 13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
		For Seal Class B, Add	*56.80*	
		For Seal Class A, Add	*121.18*	
		For Work In Restricted Working Space, Add	*113.61*	
23 31 13 13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.33	233.20
		For Seal Class B, Add	*58.30*	
		For Seal Class A, Add	*124.37*	
		For Work In Restricted Working Space, Add	*116.60*	
23 31 13 13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.05	239.18
		For Seal Class B, Add	*59.79*	
		For Seal Class A, Add	*127.56*	
		For Work In Restricted Working Space, Add	*119.59*	
23 31 13 13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.77	245.15
		For Seal Class B, Add	*61.29*	
		For Seal Class A, Add	*130.75*	
		For Work In Restricted Working Space, Add	*122.57*	
23 31 13 13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.51	251.14
		For Seal Class B, Add	*62.78*	
		For Seal Class A, Add	*133.93*	
		For Work In Restricted Working Space, Add	*125.56*	
23 31 13 13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.25	257.11
		For Seal Class B, Add	*64.28*	
		For Seal Class A, Add	*137.13*	
		For Work In Restricted Working Space, Add	*128.56*	
23 31 13 13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.97	263.09
		For Seal Class B, Add	*65.77*	
		For Seal Class A, Add	*140.32*	
		For Work In Restricted Working Space, Add	*131.55*	
23 31 13 13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.05	239.18
		For Seal Class B, Add	*59.79*	
		For Seal Class A, Add	*127.56*	
		For Work In Restricted Working Space, Add	*119.59*	
23 31 13 13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.77	245.15
		For Seal Class B, Add	*61.29*	
		For Seal Class A, Add	*130.75*	
		For Work In Restricted Working Space, Add	*122.57*	
23 31 13 13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.51	251.14
		For Seal Class B, Add	*62.78*	
		For Seal Class A, Add	*133.93*	
		For Work In Restricted Working Space, Add	*125.56*	
23 31 13 13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.25	257.11
		For Seal Class B, Add	*64.28*	
		For Seal Class A, Add	*137.13*	
		For Work In Restricted Working Space, Add	*128.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.97	263.09
		For Seal Class B, Add	*65.77*	
		For Seal Class A, Add	*140.32*	
		For Work In Restricted Working Space, Add	*131.55*	
23 31 13 13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	527.69	269.07
		For Seal Class B, Add	*67.27*	
		For Seal Class A, Add	*143.50*	
		For Work In Restricted Working Space, Add	*134.54*	
23 31 13 13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.40	275.05
		For Seal Class B, Add	*68.76*	
		For Seal Class A, Add	*146.69*	
		For Work In Restricted Working Space, Add	*137.52*	
23 31 13 13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	551.15	281.02
		For Seal Class B, Add	*70.26*	
		For Seal Class A, Add	*149.88*	
		For Work In Restricted Working Space, Add	*140.51*	
23 31 13 13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.87	287.01
		For Seal Class B, Add	*71.75*	
		For Seal Class A, Add	*153.07*	
		For Work In Restricted Working Space, Add	*143.50*	
23 31 13 13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.51	251.14
		For Seal Class B, Add	*62.78*	
		For Seal Class A, Add	*133.93*	
		For Work In Restricted Working Space, Add	*125.56*	
23 31 13 13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.25	257.11
		For Seal Class B, Add	*64.28*	
		For Seal Class A, Add	*137.13*	
		For Work In Restricted Working Space, Add	*128.56*	
23 31 13 13-1039	LF	42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.97	263.09
		For Seal Class B, Add	*65.77*	
		For Seal Class A, Add	*140.32*	
		For Work In Restricted Working Space, Add	*131.55*	
23 31 13 13-1040	LF	42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	527.69	269.07
		For Seal Class B, Add	*67.27*	
		For Seal Class A, Add	*143.50*	
		For Work In Restricted Working Space, Add	*134.54*	
23 31 13 13-1041	LF	42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.40	275.05
		For Seal Class B, Add	*68.76*	
		For Seal Class A, Add	*146.69*	
		For Work In Restricted Working Space, Add	*137.52*	
23 31 13 13-1042	LF	42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	551.15	281.02
		For Seal Class B, Add	*70.26*	
		For Seal Class A, Add	*149.88*	
		For Work In Restricted Working Space, Add	*140.51*	
23 31 13 13-1043	LF	42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.87	287.01
		For Seal Class B, Add	*71.75*	
		For Seal Class A, Add	*153.07*	
		For Work In Restricted Working Space, Add	*143.50*	
23 31 13 13-1044	LF	42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	574.59	292.98
		For Seal Class B, Add	*73.25*	
		For Seal Class A, Add	*156.26*	
		For Work In Restricted Working Space, Add	*146.49*	
23 31 13 13-1045	LF	44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.97	263.09
		For Seal Class B, Add	*65.77*	
		For Seal Class A, Add	*140.32*	
		For Work In Restricted Working Space, Add	*131.55*	
23 31 13 13-1046	LF	44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	527.69	269.07
		For Seal Class B, Add	*67.27*	
		For Seal Class A, Add	*143.50*	
		For Work In Restricted Working Space, Add	*134.54*	
23 31 13 13-1047	LF	44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.40	275.05
		For Seal Class B, Add	*68.76*	
		For Seal Class A, Add	*146.69*	
		For Work In Restricted Working Space, Add	*137.52*	
23 31 13 13-1048	LF	44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	551.15	281.02
		For Seal Class B, Add	*70.26*	
		For Seal Class A, Add	*149.88*	
		For Work In Restricted Working Space, Add	*140.51*	
23 31 13 13-1049	LF	44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.87	287.01
		For Seal Class B, Add	*71.75*	
		For Seal Class A, Add	*153.07*	
		For Work In Restricted Working Space, Add	*143.50*	
23 31 13 13-1050	LF	44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	574.59	292.98
		For Seal Class B, Add	*73.25*	
		For Seal Class A, Add	*156.26*	
		For Work In Restricted Working Space, Add	*146.49*	
23 31 13 13-1051	LF	44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	586.32	298.97
		For Seal Class B, Add	*74.74*	
		For Seal Class A, Add	*159.45*	
		For Work In Restricted Working Space, Add	*149.48*	
23 31 13 13-1052	LF	46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.40	275.05
		For Seal Class B, Add	*68.76*	
		For Seal Class A, Add	*146.69*	
		For Work In Restricted Working Space, Add	*137.52*	
23 31 13 13-1053	LF	46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	551.15	281.02
		For Seal Class B, Add	*70.26*	
		For Seal Class A, Add	*149.88*	
		For Work In Restricted Working Space, Add	*140.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1054	LF	46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.87	287.01
		For Seal Class B, Add	*71.75*	
		For Seal Class A, Add	*153.07*	
		For Work In Restricted Working Space, Add	*143.50*	
23 31 13 13-1055	LF	46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	574.59	292.98
		For Seal Class B, Add	*73.25*	
		For Seal Class A, Add	*156.26*	
		For Work In Restricted Working Space, Add	*146.49*	
23 31 13 13-1056	LF	46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	586.32	298.97
		For Seal Class B, Add	*74.74*	
		For Seal Class A, Add	*159.45*	
		For Work In Restricted Working Space, Add	*149.48*	
23 31 13 13-1057	LF	46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	608.01	310.93
		For Seal Class B, Add	*77.73*	
		For Seal Class A, Add	*165.83*	
		For Work In Restricted Working Space, Add	*155.46*	
23 31 13 13-1058	LF	46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	619.75	316.90
		For Seal Class B, Add	*79.23*	
		For Seal Class A, Add	*169.01*	
		For Work In Restricted Working Space, Add	*158.45*	
23 31 13 13-1059	LF	48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.87	287.01
		For Seal Class B, Add	*71.75*	
		For Seal Class A, Add	*153.07*	
		For Work In Restricted Working Space, Add	*143.50*	
23 31 13 13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	574.59	292.98
		For Seal Class B, Add	*73.25*	
		For Seal Class A, Add	*156.26*	
		For Work In Restricted Working Space, Add	*146.49*	
23 31 13 13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	586.32	298.97
		For Seal Class B, Add	*74.74*	
		For Seal Class A, Add	*159.45*	
		For Work In Restricted Working Space, Add	*149.48*	
23 31 13 13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	598.04	304.95
		For Seal Class B, Add	*76.24*	
		For Seal Class A, Add	*162.64*	
		For Work In Restricted Working Space, Add	*152.47*	
23 31 13 13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	609.79	310.93
		For Seal Class B, Add	*77.73*	
		For Seal Class A, Add	*165.83*	
		For Work In Restricted Working Space, Add	*155.46*	
23 31 13 13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.51	316.90
		For Seal Class B, Add	*79.23*	
		For Seal Class A, Add	*169.01*	
		For Work In Restricted Working Space, Add	*158.45*	
23 31 13 13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	633.22	322.89
		For Seal Class B, Add	*80.72*	
		For Seal Class A, Add	*172.20*	
		For Work In Restricted Working Space, Add	*161.44*	
23 31 13 13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	586.32	298.97
		For Seal Class B, Add	*74.74*	
		For Seal Class A, Add	*159.45*	
		For Work In Restricted Working Space, Add	*149.48*	
23 31 13 13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	598.04	304.95
		For Seal Class B, Add	*76.24*	
		For Seal Class A, Add	*162.64*	
		For Work In Restricted Working Space, Add	*152.47*	
23 31 13 13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	609.79	310.93
		For Seal Class B, Add	*77.73*	
		For Seal Class A, Add	*165.83*	
		For Work In Restricted Working Space, Add	*155.46*	
23 31 13 13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.51	316.90
		For Seal Class B, Add	*79.23*	
		For Seal Class A, Add	*169.01*	
		For Work In Restricted Working Space, Add	*158.45*	
23 31 13 13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	633.22	322.89
		For Seal Class B, Add	*80.72*	
		For Seal Class A, Add	*172.20*	
		For Work In Restricted Working Space, Add	*161.44*	
23 31 13 13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	644.94	328.86
		For Seal Class B, Add	*82.21*	
		For Seal Class A, Add	*175.39*	
		For Work In Restricted Working Space, Add	*164.43*	
23 31 13 13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	609.79	310.93
		For Seal Class B, Add	*77.73*	
		For Seal Class A, Add	*165.83*	
		For Work In Restricted Working Space, Add	*155.46*	
23 31 13 13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.51	316.90
		For Seal Class B, Add	*79.23*	
		For Seal Class A, Add	*169.01*	
		For Work In Restricted Working Space, Add	*158.45*	
23 31 13 13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	633.22	322.89
		For Seal Class B, Add	*80.72*	
		For Seal Class A, Add	*172.20*	
		For Work In Restricted Working Space, Add	*161.44*	
23 31 13 13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	644.94	328.86
		For Seal Class B, Add	*82.21*	
		For Seal Class A, Add	*175.39*	
		For Work In Restricted Working Space, Add	*164.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	656.68	334.84
		For Seal Class B, Add	*83.71*	
		For Seal Class A, Add	*178.59*	
		For Work In Restricted Working Space, Add	*167.42*	
23 31 13 13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	633.22	322.89
		For Seal Class B, Add	*80.72*	
		For Seal Class A, Add	*172.20*	
		For Work In Restricted Working Space, Add	*161.44*	
23 31 13 13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	644.94	328.86
		For Seal Class B, Add	*82.21*	
		For Seal Class A, Add	*175.39*	
		For Work In Restricted Working Space, Add	*164.43*	
23 31 13 13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	656.68	334.84
		For Seal Class B, Add	*83.71*	
		For Seal Class A, Add	*178.59*	
		For Work In Restricted Working Space, Add	*167.42*	
23 31 13 13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	668.42	340.82
		For Seal Class B, Add	*85.21*	
		For Seal Class A, Add	*181.77*	
		For Work In Restricted Working Space, Add	*170.41*	
23 31 13 13-1081	LF	54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	680.14	346.80
		For Seal Class B, Add	*86.70*	
		For Seal Class A, Add	*184.96*	
		For Work In Restricted Working Space, Add	*173.40*	
23 31 13 13-1082	LF	54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	691.85	352.77
		For Seal Class B, Add	*88.19*	
		For Seal Class A, Add	*188.15*	
		For Work In Restricted Working Space, Add	*176.39*	
23 31 13 13-1083	LF	56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	656.68	334.84
		For Seal Class B, Add	*83.71*	
		For Seal Class A, Add	*178.59*	
		For Work In Restricted Working Space, Add	*167.42*	
23 31 13 13-1084	LF	56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	668.42	340.82
		For Seal Class B, Add	*85.21*	
		For Seal Class A, Add	*181.77*	
		For Work In Restricted Working Space, Add	*170.41*	
23 31 13 13-1085	LF	56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	680.14	346.80
		For Seal Class B, Add	*86.70*	
		For Seal Class A, Add	*184.96*	
		For Work In Restricted Working Space, Add	*173.40*	
23 31 13 13-1086	LF	56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	691.85	352.77
		For Seal Class B, Add	*88.19*	
		For Seal Class A, Add	*188.15*	
		For Work In Restricted Working Space, Add	*176.39*	
23 31 13 13-1087	LF	56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	703.58	358.75
		For Seal Class B, Add	*89.69*	
		For Seal Class A, Add	*191.34*	
		For Work In Restricted Working Space, Add	*179.38*	
23 31 13 13-1088	LF	58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	680.14	346.80
		For Seal Class B, Add	*86.70*	
		For Seal Class A, Add	*184.96*	
		For Work In Restricted Working Space, Add	*173.40*	
23 31 13 13-1089	LF	58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	691.85	352.77
		For Seal Class B, Add	*88.19*	
		For Seal Class A, Add	*188.15*	
		For Work In Restricted Working Space, Add	*176.39*	
23 31 13 13-1090	LF	58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	703.58	358.75
		For Seal Class B, Add	*89.69*	
		For Seal Class A, Add	*191.34*	
		For Work In Restricted Working Space, Add	*179.38*	
23 31 13 13-1091	LF	58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	715.30	364.74
		For Seal Class B, Add	*91.18*	
		For Seal Class A, Add	*194.52*	
		For Work In Restricted Working Space, Add	*182.37*	
23 31 13 13-1092	LF	58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	727.04	370.72
		For Seal Class B, Add	*92.68*	
		For Seal Class A, Add	*197.71*	
		For Work In Restricted Working Space, Add	*185.36*	
23 31 13 13-1093	LF	60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	703.58	358.75
		For Seal Class B, Add	*89.69*	
		For Seal Class A, Add	*191.34*	
		For Work In Restricted Working Space, Add	*179.38*	
23 31 13 13-1094	LF	60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	715.30	364.74
		For Seal Class B, Add	*91.18*	
		For Seal Class A, Add	*194.52*	
		For Work In Restricted Working Space, Add	*182.37*	
23 31 13 13-1095	LF	60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	727.04	370.72
		For Seal Class B, Add	*92.68*	
		For Seal Class A, Add	*197.71*	
		For Work In Restricted Working Space, Add	*185.36*	
23 31 13 13-1096	LF	60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.77	376.70
		For Seal Class B, Add	*94.17*	
		For Seal Class A, Add	*200.91*	
		For Work In Restricted Working Space, Add	*188.35*	
23 31 13 13-1097	LF	60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.50	382.68
		For Seal Class B, Add	*95.67*	
		For Seal Class A, Add	*204.10*	
		For Work In Restricted Working Space, Add	*191.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1098	LF	62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	727.04	370.72
		For Seal Class B, Add	*92.68*	
		For Seal Class A, Add	*197.71*	
		For Work In Restricted Working Space, Add	*185.36*	
23 31 13 13-1099	LF	62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.77	376.70
		For Seal Class B, Add	*94.17*	
		For Seal Class A, Add	*200.91*	
		For Work In Restricted Working Space, Add	*188.35*	
23 31 13 13-1100	LF	62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.50	382.68
		For Seal Class B, Add	*95.67*	
		For Seal Class A, Add	*204.10*	
		For Work In Restricted Working Space, Add	*191.34*	
23 31 13 13-1101	LF	62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	762.21	388.65
		For Seal Class B, Add	*97.16*	
		For Seal Class A, Add	*207.28*	
		For Work In Restricted Working Space, Add	*194.33*	
23 31 13 13-1102	LF	62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	773.93	394.63
		For Seal Class B, Add	*98.66*	
		For Seal Class A, Add	*210.47*	
		For Work In Restricted Working Space, Add	*197.32*	
23 31 13 13-1103	LF	64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.50	382.68
		For Seal Class B, Add	*95.67*	
		For Seal Class A, Add	*204.10*	
		For Work In Restricted Working Space, Add	*191.34*	
23 31 13 13-1104	LF	64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	762.21	388.65
		For Seal Class B, Add	*97.16*	
		For Seal Class A, Add	*207.28*	
		For Work In Restricted Working Space, Add	*194.33*	
23 31 13 13-1105	LF	64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	773.93	394.63
		For Seal Class B, Add	*98.66*	
		For Seal Class A, Add	*210.47*	
		For Work In Restricted Working Space, Add	*197.32*	
23 31 13 13-1106	LF	64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	785.67	400.61
		For Seal Class B, Add	*100.15*	
		For Seal Class A, Add	*213.66*	
		For Work In Restricted Working Space, Add	*200.30*	
23 31 13 13-1107	LF	66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	773.93	394.63
		For Seal Class B, Add	*98.66*	
		For Seal Class A, Add	*210.47*	
		For Work In Restricted Working Space, Add	*197.32*	
23 31 13 13-1108	LF	66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	785.67	400.61
		For Seal Class B, Add	*100.15*	
		For Seal Class A, Add	*213.66*	
		For Work In Restricted Working Space, Add	*200.30*	
23 31 13 13-1109	LF	66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	797.40	406.59
		For Seal Class B, Add	*101.65*	
		For Seal Class A, Add	*216.85*	
		For Work In Restricted Working Space, Add	*203.30*	
23 31 13 13-1110	LF	66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	809.12	412.57
		For Seal Class B, Add	*103.14*	
		For Seal Class A, Add	*220.04*	
		For Work In Restricted Working Space, Add	*206.29*	
23 31 13 13-1111	LF	68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	797.40	406.59
		For Seal Class B, Add	*101.65*	
		For Seal Class A, Add	*216.85*	
		For Work In Restricted Working Space, Add	*203.30*	
23 31 13 13-1112	LF	68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	809.12	412.57
		For Seal Class B, Add	*103.14*	
		For Seal Class A, Add	*220.04*	
		For Work In Restricted Working Space, Add	*206.29*	
23 31 13 13-1113	LF	68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	820.85	418.54
		For Seal Class B, Add	*104.64*	
		For Seal Class A, Add	*223.23*	
		For Work In Restricted Working Space, Add	*209.28*	
23 31 13 13-1114	LF	68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	832.56	424.53
		For Seal Class B, Add	*106.13*	
		For Seal Class A, Add	*226.42*	
		For Work In Restricted Working Space, Add	*212.27*	
23 31 13 13-1115	LF	70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	820.85	418.54
		For Seal Class B, Add	*104.64*	
		For Seal Class A, Add	*223.23*	
		For Work In Restricted Working Space, Add	*209.28*	
23 31 13 13-1116	LF	70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	832.56	424.53
		For Seal Class B, Add	*106.13*	
		For Seal Class A, Add	*226.42*	
		For Work In Restricted Working Space, Add	*212.27*	
23 31 13 13-1117	LF	70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	844.32	430.52
		For Seal Class B, Add	*107.63*	
		For Seal Class A, Add	*229.61*	
		For Work In Restricted Working Space, Add	*215.26*	
23 31 13 13-1118	LF	70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	856.03	436.49
		For Seal Class B, Add	*109.12*	
		For Seal Class A, Add	*232.79*	
		For Work In Restricted Working Space, Add	*218.24*	
23 31 13 13-1119	LF	70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	867.75	442.47
		For Seal Class B, Add	*110.62*	
		For Seal Class A, Add	*235.98*	
		For Work In Restricted Working Space, Add	*221.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	879.46	448.45
		For Seal Class B, Add	*112.11*	
		For Seal Class A, Add	*239.17*	
		For Work In Restricted Working Space, Add	*224.22*	
23 31 13 13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	891.21	454.42
		For Seal Class B, Add	*113.61*	
		For Seal Class A, Add	*242.36*	
		For Work In Restricted Working Space, Add	*227.22*	
23 31 13 13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	902.95	460.41
		For Seal Class B, Add	*115.10*	
		For Seal Class A, Add	*245.55*	
		For Work In Restricted Working Space, Add	*230.21*	
23 31 13 13-1123	LF	70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	914.67	466.38
		For Seal Class B, Add	*116.60*	
		For Seal Class A, Add	*248.74*	
		For Work In Restricted Working Space, Add	*233.19*	
23 31 13 13-1124	LF	72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	844.32	430.52
		For Seal Class B, Add	*107.63*	
		For Seal Class A, Add	*229.61*	
		For Work In Restricted Working Space, Add	*215.26*	
23 31 13 13-1125	LF	72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	856.03	436.49
		For Seal Class B, Add	*109.12*	
		For Seal Class A, Add	*232.79*	
		For Work In Restricted Working Space, Add	*218.24*	
23 31 13 13-1126	LF	72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	867.75	442.47
		For Seal Class B, Add	*110.62*	
		For Seal Class A, Add	*235.98*	
		For Work In Restricted Working Space, Add	*221.23*	
23 31 13 13-1127	LF	72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	879.46	448.45
		For Seal Class B, Add	*112.11*	
		For Seal Class A, Add	*239.17*	
		For Work In Restricted Working Space, Add	*224.22*	
23 31 13 13-1128	LF	72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	891.21	454.42
		For Seal Class B, Add	*113.61*	
		For Seal Class A, Add	*242.36*	
		For Work In Restricted Working Space, Add	*227.22*	
23 31 13 13-1129	LF	72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	902.95	460.41
		For Seal Class B, Add	*115.10*	
		For Seal Class A, Add	*245.55*	
		For Work In Restricted Working Space, Add	*230.21*	
23 31 13 13-1130	LF	72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	914.67	466.38
		For Seal Class B, Add	*116.60*	
		For Seal Class A, Add	*248.74*	
		For Work In Restricted Working Space, Add	*233.19*	
23 31 13 13-1131	LF	72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	926.38	472.36
		For Seal Class B, Add	*118.09*	
		For Seal Class A, Add	*251.93*	
		For Work In Restricted Working Space, Add	*236.18*	
23 31 13 13-1132	LF	74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	867.75	442.47
		For Seal Class B, Add	*110.62*	
		For Seal Class A, Add	*235.98*	
		For Work In Restricted Working Space, Add	*221.23*	
23 31 13 13-1133	LF	74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	879.46	448.45
		For Seal Class B, Add	*112.11*	
		For Seal Class A, Add	*239.17*	
		For Work In Restricted Working Space, Add	*224.22*	
23 31 13 13-1134	LF	74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	891.21	454.42
		For Seal Class B, Add	*113.61*	
		For Seal Class A, Add	*242.36*	
		For Work In Restricted Working Space, Add	*227.22*	
23 31 13 13-1135	LF	74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	902.95	460.41
		For Seal Class B, Add	*115.10*	
		For Seal Class A, Add	*245.55*	
		For Work In Restricted Working Space, Add	*230.21*	
23 31 13 13-1136	LF	74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	914.67	466.38
		For Seal Class B, Add	*116.60*	
		For Seal Class A, Add	*248.74*	
		For Work In Restricted Working Space, Add	*233.19*	
23 31 13 13-1137	LF	74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	926.38	472.36
		For Seal Class B, Add	*118.09*	
		For Seal Class A, Add	*251.93*	
		For Work In Restricted Working Space, Add	*236.18*	
23 31 13 13-1138	LF	74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	938.10	478.34
		For Seal Class B, Add	*119.58*	
		For Seal Class A, Add	*255.11*	
		For Work In Restricted Working Space, Add	*239.17*	
23 31 13 13-1139	LF	76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	891.21	454.42
		For Seal Class B, Add	*113.61*	
		For Seal Class A, Add	*242.36*	
		For Work In Restricted Working Space, Add	*227.22*	
23 31 13 13-1140	LF	76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	902.95	460.41
		For Seal Class B, Add	*115.10*	
		For Seal Class A, Add	*245.55*	
		For Work In Restricted Working Space, Add	*230.21*	
23 31 13 13-1141	LF	76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	914.67	466.38
		For Seal Class B, Add	*116.60*	
		For Seal Class A, Add	*248.74*	
		For Work In Restricted Working Space, Add	*233.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1142	LF	76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	926.38	472.36
		For Seal Class B, Add	*118.09*	
		For Seal Class A, Add	*251.93*	
		For Work In Restricted Working Space, Add	*236.18*	
23 31 13 13-1143	LF	76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	938.10	478.34
		For Seal Class B, Add	*119.58*	
		For Seal Class A, Add	*255.11*	
		For Work In Restricted Working Space, Add	*239.17*	
23 31 13 13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	949.82	484.32
		For Seal Class B, Add	*121.08*	
		For Seal Class A, Add	*258.30*	
		For Work In Restricted Working Space, Add	*242.16*	
23 31 13 13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	914.67	466.38
		For Seal Class B, Add	*116.60*	
		For Seal Class A, Add	*248.74*	
		For Work In Restricted Working Space, Add	*233.19*	
23 31 13 13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	926.38	472.36
		For Seal Class B, Add	*118.09*	
		For Seal Class A, Add	*251.93*	
		For Work In Restricted Working Space, Add	*236.18*	
23 31 13 13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	938.10	478.34
		For Seal Class B, Add	*119.58*	
		For Seal Class A, Add	*255.11*	
		For Work In Restricted Working Space, Add	*239.17*	
23 31 13 13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	949.82	484.32
		For Seal Class B, Add	*121.08*	
		For Seal Class A, Add	*258.30*	
		For Work In Restricted Working Space, Add	*242.16*	
23 31 13 13-1149	LF	78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	961.57	490.29
		For Seal Class B, Add	*122.58*	
		For Seal Class A, Add	*261.49*	
		For Work In Restricted Working Space, Add	*245.15*	
23 31 13 13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	938.10	478.34
		For Seal Class B, Add	*119.58*	
		For Seal Class A, Add	*255.11*	
		For Work In Restricted Working Space, Add	*239.17*	
23 31 13 13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	949.82	484.32
		For Seal Class B, Add	*121.08*	
		For Seal Class A, Add	*258.30*	
		For Work In Restricted Working Space, Add	*242.16*	
23 31 13 13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	961.57	490.29
		For Seal Class B, Add	*122.58*	
		For Seal Class A, Add	*261.49*	
		For Work In Restricted Working Space, Add	*245.15*	
23 31 13 13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	983.26	502.26
		For Seal Class B, Add	*125.57*	
		For Seal Class A, Add	*267.87*	
		For Work In Restricted Working Space, Add	*251.13*	
23 31 13 13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	961.57	490.29
		For Seal Class B, Add	*122.58*	
		For Seal Class A, Add	*261.49*	
		For Work In Restricted Working Space, Add	*245.15*	
23 31 13 13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	973.30	496.29
		For Seal Class B, Add	*124.07*	
		For Seal Class A, Add	*264.68*	
		For Work In Restricted Working Space, Add	*248.14*	
23 31 13 13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	985.02	502.26
		For Seal Class B, Add	*125.57*	
		For Seal Class A, Add	*267.87*	
		For Work In Restricted Working Space, Add	*251.13*	
23 31 13 13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	985.02	502.26
		For Seal Class B, Add	*125.57*	
		For Seal Class A, Add	*267.87*	
		For Work In Restricted Working Space, Add	*251.13*	
23 31 13 13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	996.74	508.24
		For Seal Class B, Add	*127.06*	
		For Seal Class A, Add	*271.06*	
		For Work In Restricted Working Space, Add	*254.12*	
23 31 13 13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,008.46	514.22
		For Seal Class B, Add	*128.55*	
		For Seal Class A, Add	*274.25*	
		For Work In Restricted Working Space, Add	*257.11*	

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct *(23 31 13 16)*

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts *(23 31 13 16-0001)*

Note: Includes straps and supports.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	8.71	3.05
		For Seal Class B, Add	*0.94*	
		For Seal Class A, Add	*2.50*	
		For Up To 20', Add	*0.74*	
		For >20' To 50', Add	*0.30*	
		For >200' To 500', Deduct	*-0.18*	
		For >500', Deduct	*-0.31*	
		For 28 Gauge, Deduct	*-0.34*	
		For 24 Gauge, Add	*0.34*	
		For 22 Gauge, Add	*0.68*	
		For 20 Gauge, Add	*1.02*	
		For 18 Gauge, Add	*1.35*	
		For 16 Gauge, Add	*1.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.82*	
		For Work In Restricted Working Space, Add	*1.88*	
		For Elevated Installation >10' To 15', Add	*0.63*	
		For Elevated Installation >15' To 20', Add	*1.25*	
		For Elevated Installation >20' To 25', Add	*1.56*	
		For Elevated Installation >25' To 30', Add	*2.19*	
		For Elevated Installation >30' To 35', Add	*2.50*	
		For Elevated Installation >35' To 40', Add	*3.13*	
		For Elevated Installation >40', Add	*3.44*	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	10.05	3.47
		For Seal Class B, Add	*1.04*	
		For Seal Class A, Add	*2.78*	
		For Up To 20', Add	*0.93*	
		For >20' To 50', Add	*0.37*	
		For >200' To 500', Deduct	*-0.23*	
		For >500', Deduct	*-0.39*	
		For 28 Gauge, Deduct	*-0.43*	
		For 24 Gauge, Add	*0.43*	
		For 22 Gauge, Add	*0.86*	
		For 20 Gauge, Add	*1.29*	
		For 18 Gauge, Add	*1.71*	
		For 16 Gauge, Add	*2.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.30*	
		For Work In Restricted Working Space, Add	*2.08*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.39*	
		For Elevated Installation >20' To 25', Add	*1.74*	
		For Elevated Installation >25' To 30', Add	*2.43*	
		For Elevated Installation >30' To 35', Add	*2.78*	
		For Elevated Installation >35' To 40', Add	*3.47*	
		For Elevated Installation >40', Add	*3.82*	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	11.40	4.16
		For Seal Class B, Add	*1.17*	
		For Seal Class A, Add	*3.12*	
		For Up To 20', Add	*1.08*	
		For >20' To 50', Add	*0.43*	
		For >200' To 500', Deduct	*-0.27*	
		For >500', Deduct	*-0.45*	
		For 28 Gauge, Deduct	*-0.50*	
		For 24 Gauge, Add	*0.50*	
		For 22 Gauge, Add	*0.99*	
		For 20 Gauge, Add	*1.49*	
		For 18 Gauge, Add	*1.97*	
		For 16 Gauge, Add	*2.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.66*	
		For Work In Restricted Working Space, Add	*2.34*	
		For Elevated Installation >10' To 15', Add	*0.78*	
		For Elevated Installation >15' To 20', Add	*1.56*	
		For Elevated Installation >20' To 25', Add	*1.95*	
		For Elevated Installation >25' To 30', Add	*2.73*	
		For Elevated Installation >30' To 35', Add	*3.12*	
		For Elevated Installation >35' To 40', Add	*3.91*	
		For Elevated Installation >40', Add	*4.30*	
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	12.79	4.86
		For Seal Class B, Add	*1.34*	
		For Seal Class A, Add	*3.57*	
		For Up To 20', Add	*1.16*	
		For >20' To 50', Add	*0.46*	
		For >200' To 500', Deduct	*-0.29*	
		For >500', Deduct	*-0.48*	
		For 28 Gauge, Deduct	*-0.54*	
		For 24 Gauge, Add	*0.53*	
		For 22 Gauge, Add	*1.07*	
		For 20 Gauge, Add	*1.60*	
		For 18 Gauge, Add	*2.13*	
		For 16 Gauge, Add	*2.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.86*	
		For Work In Restricted Working Space, Add	*2.68*	
		For Elevated Installation >10' To 15', Add	*0.89*	
		For Elevated Installation >15' To 20', Add	*1.78*	
		For Elevated Installation >20' To 25', Add	*2.23*	
		For Elevated Installation >25' To 30', Add	*3.12*	
		For Elevated Installation >30' To 35', Add	*3.57*	
		For Elevated Installation >35' To 40', Add	*4.46*	
		For Elevated Installation >40', Add	*4.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	14.55	5.55
		For Seal Class B, Add	*1.56*	
		For Seal Class A, Add	*4.16*	
		For Up To 20', Add	*1.25*	
		For >20' To 50', Add	*0.50*	
		For >200' To 500', Deduct	*-0.31*	
		For >500', Deduct	*-0.52*	
		For 28 Gauge, Deduct	*-0.57*	
		For 24 Gauge, Add	*0.57*	
		For 22 Gauge, Add	*1.14*	
		For 20 Gauge, Add	*1.72*	
		For 18 Gauge, Add	*2.28*	
		For 16 Gauge, Add	*2.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.07*	
		For Work In Restricted Working Space, Add	*3.12*	
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.08*	
		For Elevated Installation >20' To 25', Add	*2.60*	
		For Elevated Installation >25' To 30', Add	*3.64*	
		For Elevated Installation >30' To 35', Add	*4.16*	
		For Elevated Installation >35' To 40', Add	*5.20*	
		For Elevated Installation >40', Add	*5.72*	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	18.53	6.94
		For Seal Class B, Add	*1.87*	
		For Seal Class A, Add	*4.99*	
		For Up To 20', Add	*1.82*	
		For >20' To 50', Add	*0.73*	
		For >200' To 500', Deduct	*-0.45*	
		For >500', Deduct	*-0.76*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.83*	
		For 22 Gauge, Add	*1.67*	
		For 20 Gauge, Add	*2.50*	
		For 18 Gauge, Add	*3.33*	
		For 16 Gauge, Add	*4.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.48*	
		For Work In Restricted Working Space, Add	*3.74*	
		For Elevated Installation >10' To 15', Add	*1.25*	
		For Elevated Installation >15' To 20', Add	*2.50*	
		For Elevated Installation >20' To 25', Add	*3.12*	
		For Elevated Installation >25' To 30', Add	*4.37*	
		For Elevated Installation >30' To 35', Add	*4.99*	
		For Elevated Installation >35' To 40', Add	*6.24*	
		For Elevated Installation >40', Add	*6.86*	
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	22.67	9.30
		For Seal Class B, Add	*2.34*	
		For Seal Class A, Add	*6.24*	
		For Up To 20', Add	*2.12*	
		For >20' To 50', Add	*0.85*	
		For >200' To 500', Deduct	*-0.53*	
		For >500', Deduct	*-0.88*	
		For 28 Gauge, Deduct	*-0.98*	
		For 24 Gauge, Add	*0.98*	
		For 22 Gauge, Add	*1.95*	
		For 20 Gauge, Add	*2.93*	
		For 18 Gauge, Add	*3.89*	
		For 16 Gauge, Add	*4.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.23*	
		For Work In Restricted Working Space, Add	*4.68*	
		For Elevated Installation >10' To 15', Add	*1.56*	
		For Elevated Installation >15' To 20', Add	*3.12*	
		For Elevated Installation >20' To 25', Add	*3.90*	
		For Elevated Installation >25' To 30', Add	*5.46*	
		For Elevated Installation >30' To 35', Add	*6.24*	
		For Elevated Installation >35' To 40', Add	*7.80*	
		For Elevated Installation >40', Add	*8.58*	
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	27.54	13.87
		For Seal Class B, Add	*2.93*	
		For Seal Class A, Add	*7.80*	
		For Up To 20', Add	*2.41*	
		For >20' To 50', Add	*0.96*	
		For >200' To 500', Deduct	*-0.60*	
		For >500', Deduct	*-1.00*	
		For 28 Gauge, Deduct	*-1.11*	
		For 24 Gauge, Add	*1.11*	
		For 22 Gauge, Add	*2.21*	
		For 20 Gauge, Add	*3.32*	
		For 18 Gauge, Add	*4.42*	
		For 16 Gauge, Add	*5.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.94*	
		For Work In Restricted Working Space, Add	*5.85*	
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.90*	
		For Elevated Installation >20' To 25', Add	*4.88*	
		For Elevated Installation >25' To 30', Add	*6.83*	
		For Elevated Installation >30' To 35', Add	*7.80*	
		For Elevated Installation >35' To 40', Add	*9.76*	
		For Elevated Installation >40', Add	*10.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	37.05	18.59
		For Seal Class B, Add	*3.90*	
		For Seal Class A, Add	*10.41*	
		For Up To 20', Add	*3.31*	
		For >20' To 50', Add	*1.32*	
		For >200' To 500', Deduct	*-0.83*	
		For >500', Deduct	*-1.38*	
		For 28 Gauge, Deduct	*-1.53*	
		For 24 Gauge, Add	*1.52*	
		For 22 Gauge, Add	*3.04*	
		For 20 Gauge, Add	*4.57*	
		For 18 Gauge, Add	*6.07*	
		For 16 Gauge, Add	*7.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.16*	
		For Work In Restricted Working Space, Add	*7.81*	
		For Elevated Installation >10' To 15', Add	*2.60*	
		For Elevated Installation >15' To 20', Add	*5.20*	
		For Elevated Installation >20' To 25', Add	*6.51*	
		For Elevated Installation >25' To 30', Add	*9.11*	
		For Elevated Installation >30' To 35', Add	*10.41*	
		For Elevated Installation >35' To 40', Add	*13.01*	
		For Elevated Installation >40', Add	*14.31*	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	52.54	22.33
		For Up To 20', Add	*6.40*	
		For >20' To 50', Add	*2.56*	
		For >200' To 500', Deduct	*-1.60*	
		For >500', Deduct	*-2.67*	
		For 28 Gauge, Deduct	*-2.95*	
		For 24 Gauge, Add	*2.94*	
		For 22 Gauge, Add	*5.87*	
		For 20 Gauge, Add	*8.83*	
		For 18 Gauge, Add	*11.73*	
		For 16 Gauge, Add	*14.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.78*	
		For Work In Restricted Working Space, Add	*9.37*	
		For Elevated Installation >10' To 15', Add	*3.12*	
		For Elevated Installation >15' To 20', Add	*6.24*	
		For Elevated Installation >20' To 25', Add	*7.81*	
		For Elevated Installation >25' To 30', Add	*10.93*	
		For Elevated Installation >30' To 35', Add	*12.49*	
		For Elevated Installation >35' To 40', Add	*15.61*	
		For Elevated Installation >40', Add	*17.17*	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	59.88	25.80
		For Up To 20', Add	*7.14*	
		For >20' To 50', Add	*2.86*	
		For >200' To 500', Deduct	*-1.79*	
		For >500', Deduct	*-2.98*	
		For 28 Gauge, Deduct	*-3.30*	
		For 24 Gauge, Add	*3.28*	
		For 22 Gauge, Add	*6.56*	
		For 20 Gauge, Add	*9.85*	
		For 18 Gauge, Add	*13.09*	
		For 16 Gauge, Add	*16.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.61*	
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15', Add	*3.61*	
		For Elevated Installation >15' To 20', Add	*7.22*	
		For Elevated Installation >20' To 25', Add	*9.02*	
		For Elevated Installation >25' To 30', Add	*12.63*	
		For Elevated Installation >30' To 35', Add	*14.43*	
		For Elevated Installation >35' To 40', Add	*18.04*	
		For Elevated Installation >40', Add	*19.84*	

23 31 13 16-0014 Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)*

Note: Up to 90 degree.

23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	44.06	18.52
		For Seal Class B, Add	*5.56*	
		For Seal Class A, Add	*14.82*	
		For 28 Gauge, Deduct	*-0.97*	
		For 24 Gauge, Add	*0.97*	
		For 22 Gauge, Add	*1.93*	
		For 20 Gauge, Add	*2.91*	
		For 18 Gauge, Add	*3.86*	
		For 16 Gauge, Add	*4.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.19*	
		For Work In Restricted Working Space, Add	*11.11*	
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.41*	
		For Elevated Installation >20' To 25', Add	*9.26*	
		For Elevated Installation >25' To 30', Add	*12.96*	
		For Elevated Installation >30' To 35', Add	*14.82*	
		For Elevated Installation >35' To 40', Add	*18.52*	
		For Elevated Installation >40', Add	*20.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	50.38	21.37
		For Seal Class B, Add	*6.41*	
		For Seal Class A, Add	*17.10*	
		For 28 Gauge, Deduct	*-1.06*	
		For 24 Gauge, Add	*1.05*	
		For 22 Gauge, Add	*2.10*	
		For 20 Gauge, Add	*3.16*	
		For 18 Gauge, Add	*4.20*	
		For 16 Gauge, Add	*5.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.65*	
		For Work In Restricted Working Space, Add	*12.82*	
		For Elevated Installation >10' To 15', Add	*4.27*	
		For Elevated Installation >15' To 20', Add	*8.55*	
		For Elevated Installation >20' To 25', Add	*10.69*	
		For Elevated Installation >25' To 30', Add	*14.96*	
		For Elevated Installation >30' To 35', Add	*17.10*	
		For Elevated Installation >35' To 40', Add	*21.37*	
		For Elevated Installation >40', Add	*23.51*	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	59.10	25.25
		For Seal Class B, Add	*7.58*	
		For Seal Class A, Add	*20.20*	
		For 28 Gauge, Deduct	*-1.19*	
		For 24 Gauge, Add	*1.19*	
		For 22 Gauge, Add	*2.37*	
		For 20 Gauge, Add	*3.56*	
		For 18 Gauge, Add	*4.73*	
		For 16 Gauge, Add	*5.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.36*	
		For Work In Restricted Working Space, Add	*15.15*	
		For Elevated Installation >10' To 15', Add	*5.05*	
		For Elevated Installation >15' To 20', Add	*10.10*	
		For Elevated Installation >20' To 25', Add	*12.63*	
		For Elevated Installation >25' To 30', Add	*17.68*	
		For Elevated Installation >30' To 35', Add	*20.20*	
		For Elevated Installation >35' To 40', Add	*25.25*	
		For Elevated Installation >40', Add	*27.78*	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	75.50	32.46
		For Seal Class B, Add	*9.74*	
		For Seal Class A, Add	*25.97*	
		For 28 Gauge, Deduct	*-1.46*	
		For 24 Gauge, Add	*1.46*	
		For 22 Gauge, Add	*2.91*	
		For 20 Gauge, Add	*4.38*	
		For 18 Gauge, Add	*5.81*	
		For 16 Gauge, Add	*7.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.82*	
		For Work In Restricted Working Space, Add	*19.48*	
		For Elevated Installation >10' To 15', Add	*6.49*	
		For Elevated Installation >15' To 20', Add	*12.99*	
		For Elevated Installation >20' To 25', Add	*16.23*	
		For Elevated Installation >25' To 30', Add	*22.73*	
		For Elevated Installation >30' To 35', Add	*25.97*	
		For Elevated Installation >35' To 40', Add	*32.47*	
		For Elevated Installation >40', Add	*35.71*	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	90.49	39.54
		For Seal Class B, Add	*11.86*	
		For Seal Class A, Add	*31.63*	
		For 28 Gauge, Deduct	*-1.58*	
		For 24 Gauge, Add	*1.57*	
		For 22 Gauge, Add	*3.14*	
		For 20 Gauge, Add	*4.72*	
		For 18 Gauge, Add	*6.28*	
		For 16 Gauge, Add	*7.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.44*	
		For Work In Restricted Working Space, Add	*23.72*	
		For Elevated Installation >10' To 15', Add	*7.91*	
		For Elevated Installation >15' To 20', Add	*15.82*	
		For Elevated Installation >20' To 25', Add	*19.77*	
		For Elevated Installation >25' To 30', Add	*27.68*	
		For Elevated Installation >30' To 35', Add	*31.63*	
		For Elevated Installation >35' To 40', Add	*39.54*	
		For Elevated Installation >40', Add	*43.49*	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	138.54	61.74
		For Seal Class B, Add	*18.52*	
		For Seal Class A, Add	*49.39*	
		For 28 Gauge, Deduct	*-2.09*	
		For 24 Gauge, Add	*2.08*	
		For 22 Gauge, Add	*4.15*	
		For 20 Gauge, Add	*6.23*	
		For 18 Gauge, Add	*8.28*	
		For 16 Gauge, Add	*10.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.14*	
		For Work In Restricted Working Space, Add	*37.04*	
		For Elevated Installation >10' To 15', Add	*12.35*	
		For Elevated Installation >15' To 20', Add	*24.70*	
		For Elevated Installation >20' To 25', Add	*30.87*	
		For Elevated Installation >25' To 30', Add	*43.22*	
		For Elevated Installation >30' To 35', Add	*49.39*	
		For Elevated Installation >35' To 40', Add	*61.74*	
		For Elevated Installation >40', Add	*67.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	191.06	85.33
		For Seal Class B, Add	*25.60*	
		For Seal Class A, Add	*68.26*	
		For 28 Gauge, Deduct	*-2.83*	
		For 24 Gauge, Add	*2.82*	
		For 22 Gauge, Add	*5.62*	
		For 20 Gauge, Add	*8.45*	
		For 18 Gauge, Add	*11.23*	
		For 16 Gauge, Add	*13.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.10*	
		For Work In Restricted Working Space, Add	*51.20*	
		For Elevated Installation >10' To 15', Add	*17.07*	
		For Elevated Installation >15' To 20', Add	*34.13*	
		For Elevated Installation >20' To 25', Add	*42.66*	
		For Elevated Installation >25' To 30', Add	*59.73*	
		For Elevated Installation >30' To 35', Add	*68.26*	
		For Elevated Installation >35' To 40', Add	*85.33*	
		For Elevated Installation >40', Add	*93.86*	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	233.15	100.93
		For Seal Class B, Add	*30.28*	
		For Seal Class A, Add	*80.75*	
		For 28 Gauge, Deduct	*-4.33*	
		For 24 Gauge, Add	*4.32*	
		For 22 Gauge, Add	*8.62*	
		For 20 Gauge, Add	*12.95*	
		For 18 Gauge, Add	*17.20*	
		For 16 Gauge, Add	*21.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.15*	
		For Work In Restricted Working Space, Add	*60.56*	
		For Elevated Installation >10' To 15', Add	*20.19*	
		For Elevated Installation >15' To 20', Add	*40.37*	
		For Elevated Installation >20' To 25', Add	*50.47*	
		For Elevated Installation >25' To 30', Add	*70.65*	
		For Elevated Installation >30' To 35', Add	*80.75*	
		For Elevated Installation >35' To 40', Add	*100.94*	
		For Elevated Installation >40', Add	*111.03*	
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	266.82	110.99
		For Seal Class B, Add	*33.30*	
		For Seal Class A, Add	*88.80*	
		For 28 Gauge, Deduct	*-6.21*	
		For 24 Gauge, Add	*6.19*	
		For 22 Gauge, Add	*12.35*	
		For 20 Gauge, Add	*18.56*	
		For 18 Gauge, Add	*24.66*	
		For 16 Gauge, Add	*30.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.17*	
		For Work In Restricted Working Space, Add	*66.60*	
		For Elevated Installation >10' To 15', Add	*22.20*	
		For Elevated Installation >15' To 20', Add	*44.40*	
		For Elevated Installation >20' To 25', Add	*55.50*	
		For Elevated Installation >25' To 30', Add	*77.70*	
		For Elevated Installation >30' To 35', Add	*88.80*	
		For Elevated Installation >35' To 40', Add	*111.00*	
		For Elevated Installation >40', Add	*122.09*	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	298.12	115.50
		For Seal Class B, Add	*34.65*	
		For Seal Class A, Add	*92.40*	
		For 28 Gauge, Deduct	*-9.30*	
		For 24 Gauge, Add	*9.26*	
		For 22 Gauge, Add	*18.49*	
		For 20 Gauge, Add	*27.79*	
		For 18 Gauge, Add	*36.92*	
		For 16 Gauge, Add	*45.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.67*	
		For Work In Restricted Working Space, Add	*69.30*	
		For Elevated Installation >10' To 15', Add	*23.10*	
		For Elevated Installation >15' To 20', Add	*46.20*	
		For Elevated Installation >20' To 25', Add	*57.75*	
		For Elevated Installation >25' To 30', Add	*80.85*	
		For Elevated Installation >30' To 35', Add	*92.40*	
		For Elevated Installation >35' To 40', Add	*115.50*	
		For Elevated Installation >40', Add	*127.05*	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	328.12	119.31
		For Seal Class B, Add	*35.79*	
		For Seal Class A, Add	*95.45*	
		For 28 Gauge, Deduct	*-12.39*	
		For 24 Gauge, Add	*12.35*	
		For 22 Gauge, Add	*24.65*	
		For 20 Gauge, Add	*37.05*	
		For 18 Gauge, Add	*49.22*	
		For 16 Gauge, Add	*60.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.22*	
		For Work In Restricted Working Space, Add	*71.59*	
		For Elevated Installation >10' To 15', Add	*23.86*	
		For Elevated Installation >15' To 20', Add	*47.73*	
		For Elevated Installation >20' To 25', Add	*59.66*	
		For Elevated Installation >25' To 30', Add	*83.52*	
		For Elevated Installation >30' To 35', Add	*95.45*	
		For Elevated Installation >35' To 40', Add	*119.32*	
		For Elevated Installation >40', Add	*131.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0026		Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*		
23 31 13 16-0027	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	37.12	12.48
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*12.49*	
		For 28 Gauge, Deduct	*-0.82*	
		For 24 Gauge, Add	*0.81*	
		For 22 Gauge, Add	*1.63*	
		For 20 Gauge, Add	*2.44*	
		For 18 Gauge, Add	*3.25*	
		For 16 Gauge, Add	*3.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.37*	
		For Work In Restricted Working Space, Add	*9.37*	
		For Elevated Installation >10' To 15', Add	*3.12*	
		For Elevated Installation >15' To 20', Add	*6.24*	
		For Elevated Installation >20' To 25', Add	*7.81*	
		For Elevated Installation >25' To 30', Add	*10.93*	
		For Elevated Installation >30' To 35', Add	*12.49*	
		For Elevated Installation >35' To 40', Add	*15.61*	
		For Elevated Installation >40', Add	*17.17*	
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	42.40	14.29
		For Seal Class B, Add	*5.35*	
		For Seal Class A, Add	*14.27*	
		For 28 Gauge, Deduct	*-0.93*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*1.85*	
		For 20 Gauge, Add	*2.79*	
		For 18 Gauge, Add	*3.70*	
		For 16 Gauge, Add	*4.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.98*	
		For Work In Restricted Working Space, Add	*10.70*	
		For Elevated Installation >10' To 15', Add	*3.57*	
		For Elevated Installation >15' To 20', Add	*7.13*	
		For Elevated Installation >20' To 25', Add	*8.92*	
		For Elevated Installation >25' To 30', Add	*12.48*	
		For Elevated Installation >30' To 35', Add	*14.27*	
		For Elevated Installation >35' To 40', Add	*17.84*	
		For Elevated Installation >40', Add	*19.62*	
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	49.28	16.65
		For Seal Class B, Add	*6.24*	
		For Seal Class A, Add	*16.65*	
		For 28 Gauge, Deduct	*-1.06*	
		For 24 Gauge, Add	*1.06*	
		For 22 Gauge, Add	*2.11*	
		For 20 Gauge, Add	*3.17*	
		For 18 Gauge, Add	*4.21*	
		For 16 Gauge, Add	*5.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.67*	
		For Work In Restricted Working Space, Add	*12.49*	
		For Elevated Installation >10' To 15', Add	*4.16*	
		For Elevated Installation >15' To 20', Add	*8.32*	
		For Elevated Installation >20' To 25', Add	*10.41*	
		For Elevated Installation >25' To 30', Add	*14.57*	
		For Elevated Installation >30' To 35', Add	*16.65*	
		For Elevated Installation >35' To 40', Add	*20.81*	
		For Elevated Installation >40', Add	*22.89*	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	58.07	19.98
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*19.98*	
		For 28 Gauge, Deduct	*-1.12*	
		For 24 Gauge, Add	*1.12*	
		For 22 Gauge, Add	*2.24*	
		For 20 Gauge, Add	*3.36*	
		For 18 Gauge, Add	*4.47*	
		For 16 Gauge, Add	*5.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.01*	
		For Work In Restricted Working Space, Add	*14.99*	
		For Elevated Installation >10' To 15', Add	*5.00*	
		For Elevated Installation >15' To 20', Add	*9.99*	
		For Elevated Installation >20' To 25', Add	*12.49*	
		For Elevated Installation >25' To 30', Add	*17.48*	
		For Elevated Installation >30' To 35', Add	*19.98*	
		For Elevated Installation >35' To 40', Add	*24.98*	
		For Elevated Installation >40', Add	*27.47*	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	71.86	24.97
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*24.97*	
		For 28 Gauge, Deduct	*-1.31*	
		For 24 Gauge, Add	*1.30*	
		For 22 Gauge, Add	*2.60*	
		For 20 Gauge, Add	*3.90*	
		For 18 Gauge, Add	*5.19*	
		For 16 Gauge, Add	*6.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.98*	
		For Work In Restricted Working Space, Add	*18.73*	
		For Elevated Installation >10' To 15', Add	*6.24*	
		For Elevated Installation >15' To 20', Add	*12.49*	
		For Elevated Installation >20' To 25', Add	*15.61*	
		For Elevated Installation >25' To 30', Add	*21.85*	
		For Elevated Installation >30' To 35', Add	*24.97*	
		For Elevated Installation >35' To 40', Add	*31.22*	
		For Elevated Installation >40', Add	*34.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	96.72	33.30
		For Seal Class B, Add	*12.49*	
		For Seal Class A, Add	*33.30*	
		For 28 Gauge, Deduct	*-1.87*	
		For 24 Gauge, Add	*1.86*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*5.58*	
		For 18 Gauge, Add	*7.41*	
		For 16 Gauge, Add	*9.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.97*	
		For Work In Restricted Working Space, Add	*24.98*	
		For Elevated Installation >10' To 15', Add	*8.33*	
		For Elevated Installation >15' To 20', Add	*16.65*	
		For Elevated Installation >20' To 25', Add	*20.81*	
		For Elevated Installation >25' To 30', Add	*29.14*	
		For Elevated Installation >30' To 35', Add	*33.30*	
		For Elevated Installation >35' To 40', Add	*41.63*	
		For Elevated Installation >40', Add	*45.79*	
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	142.69	49.95
		For Seal Class B, Add	*18.73*	
		For Seal Class A, Add	*49.95*	
		For 28 Gauge, Deduct	*-2.47*	
		For 24 Gauge, Add	*2.46*	
		For 22 Gauge, Add	*4.91*	
		For 20 Gauge, Add	*7.38*	
		For 18 Gauge, Add	*9.80*	
		For 16 Gauge, Add	*12.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.19*	
		For Work In Restricted Working Space, Add	*37.46*	
		For Elevated Installation >10' To 15', Add	*12.49*	
		For Elevated Installation >15' To 20', Add	*24.97*	
		For Elevated Installation >20' To 25', Add	*31.22*	
		For Elevated Installation >25' To 30', Add	*43.70*	
		For Elevated Installation >30' To 35', Add	*49.95*	
		For Elevated Installation >35' To 40', Add	*62.44*	
		For Elevated Installation >40', Add	*68.68*	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	192.90	63.82
		For Seal Class B, Add	*23.93*	
		For Seal Class A, Add	*63.82*	
		For 28 Gauge, Deduct	*-4.62*	
		For 24 Gauge, Add	*4.60*	
		For 22 Gauge, Add	*9.19*	
		For 20 Gauge, Add	*13.81*	
		For 18 Gauge, Add	*18.34*	
		For 16 Gauge, Add	*22.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.68*	
		For Work In Restricted Working Space, Add	*47.87*	
		For Elevated Installation >10' To 15', Add	*15.96*	
		For Elevated Installation >15' To 20', Add	*31.91*	
		For Elevated Installation >20' To 25', Add	*39.89*	
		For Elevated Installation >25' To 30', Add	*55.84*	
		For Elevated Installation >30' To 35', Add	*63.82*	
		For Elevated Installation >35' To 40', Add	*79.78*	
		For Elevated Installation >40', Add	*87.75*	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	241.98	80.47
		For Seal Class B, Add	*30.18*	
		For Seal Class A, Add	*80.47*	
		For 28 Gauge, Deduct	*-5.65*	
		For 24 Gauge, Add	*5.63*	
		For 22 Gauge, Add	*11.24*	
		For 20 Gauge, Add	*16.90*	
		For 18 Gauge, Add	*22.45*	
		For 16 Gauge, Add	*27.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.20*	
		For Work In Restricted Working Space, Add	*60.35*	
		For Elevated Installation >10' To 15', Add	*20.12*	
		For Elevated Installation >15' To 20', Add	*40.23*	
		For Elevated Installation >20' To 25', Add	*50.29*	
		For Elevated Installation >25' To 30', Add	*70.41*	
		For Elevated Installation >30' To 35', Add	*80.47*	
		For Elevated Installation >35' To 40', Add	*100.59*	
		For Elevated Installation >40', Add	*110.64*	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	272.88	83.94
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*83.80*	
		For 28 Gauge, Deduct	*-8.78*	
		For 24 Gauge, Add	*8.75*	
		For 22 Gauge, Add	*17.46*	
		For 20 Gauge, Add	*26.24*	
		For 18 Gauge, Add	*34.86*	
		For 16 Gauge, Add	*42.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.91*	
		For Work In Restricted Working Space, Add	*62.85*	
		For Elevated Installation >10' To 15', Add	*20.95*	
		For Elevated Installation >15' To 20', Add	*41.90*	
		For Elevated Installation >20' To 25', Add	*52.37*	
		For Elevated Installation >25' To 30', Add	*73.32*	
		For Elevated Installation >30' To 35', Add	*83.80*	
		For Elevated Installation >35' To 40', Add	*104.75*	
		For Elevated Installation >40', Add	*115.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	299.56	86.01
		For Seal Class B, Add	*32.26*	
		For Seal Class A, Add	*86.02*	
		For 28 Gauge, Deduct	*-11.71*	
		For 24 Gauge, Add	*11.66*	
		For 22 Gauge, Add	*23.29*	
		For 20 Gauge, Add	*34.99*	
		For 18 Gauge, Add	*46.49*	
		For 16 Gauge, Add	*57.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.54*	
		For Work In Restricted Working Space, Add	*64.51*	
		For Elevated Installation >10' To 15', Add	*21.50*	
		For Elevated Installation >15' To 20', Add	*43.01*	
		For Elevated Installation >20' To 25', Add	*53.76*	
		For Elevated Installation >25' To 30', Add	*75.26*	
		For Elevated Installation >30' To 35', Add	*86.02*	
		For Elevated Installation >35' To 40', Add	*107.52*	
		For Elevated Installation >40', Add	*118.27*	

23 31 13 16-0038 Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	34.93	12.48
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*12.49*	
		For 28 Gauge, Deduct	*-0.51*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.54*	
		For 18 Gauge, Add	*2.04*	
		For 16 Gauge, Add	*2.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.75*	
		For Work In Restricted Working Space, Add	*9.37*	
		For Elevated Installation >10' To 15', Add	*3.12*	
		For Elevated Installation >15' To 20', Add	*6.24*	
		For Elevated Installation >20' To 25', Add	*7.81*	
		For Elevated Installation >25' To 30', Add	*10.93*	
		For Elevated Installation >30' To 35', Add	*12.49*	
		For Elevated Installation >35' To 40', Add	*15.61*	
		For Elevated Installation >40', Add	*17.17*	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	40.43	14.29
		For Seal Class B, Add	*5.35*	
		For Seal Class A, Add	*14.27*	
		For 28 Gauge, Deduct	*-0.66*	
		For 24 Gauge, Add	*0.66*	
		For 22 Gauge, Add	*1.31*	
		For 20 Gauge, Add	*1.97*	
		For 18 Gauge, Add	*2.62*	
		For 16 Gauge, Add	*3.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.52*	
		For Work In Restricted Working Space, Add	*10.70*	
		For Elevated Installation >10' To 15', Add	*3.57*	
		For Elevated Installation >15' To 20', Add	*7.13*	
		For Elevated Installation >20' To 25', Add	*8.92*	
		For Elevated Installation >25' To 30', Add	*12.48*	
		For Elevated Installation >30' To 35', Add	*14.27*	
		For Elevated Installation >35' To 40', Add	*17.84*	
		For Elevated Installation >40', Add	*19.62*	
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	46.82	16.65
		For Seal Class B, Add	*6.24*	
		For Seal Class A, Add	*16.65*	
		For 28 Gauge, Deduct	*-0.72*	
		For 24 Gauge, Add	*0.72*	
		For 22 Gauge, Add	*1.43*	
		For 20 Gauge, Add	*2.15*	
		For 18 Gauge, Add	*2.86*	
		For 16 Gauge, Add	*3.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.85*	
		For Work In Restricted Working Space, Add	*12.49*	
		For Elevated Installation >10' To 15', Add	*4.16*	
		For Elevated Installation >15' To 20', Add	*8.32*	
		For Elevated Installation >20' To 25', Add	*10.41*	
		For Elevated Installation >25' To 30', Add	*14.57*	
		For Elevated Installation >30' To 35', Add	*16.65*	
		For Elevated Installation >35' To 40', Add	*20.81*	
		For Elevated Installation >40', Add	*22.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	55.98	19.98
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*19.98*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.83*	
		For 22 Gauge, Add	*1.66*	
		For 20 Gauge, Add	*2.50*	
		For 18 Gauge, Add	*3.32*	
		For 16 Gauge, Add	*4.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.46*	
		For Work In Restricted Working Space, Add	*14.99*	
		For Elevated Installation >10' To 15', Add	*5.00*	
		For Elevated Installation >15' To 20', Add	*9.99*	
		For Elevated Installation >20' To 25', Add	*12.49*	
		For Elevated Installation >25' To 30', Add	*17.48*	
		For Elevated Installation >30' To 35', Add	*19.98*	
		For Elevated Installation >35' To 40', Add	*24.98*	
		For Elevated Installation >40', Add	*27.47*	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	69.29	24.97
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*24.97*	
		For 28 Gauge, Deduct	*-0.95*	
		For 24 Gauge, Add	*0.95*	
		For 22 Gauge, Add	*1.89*	
		For 20 Gauge, Add	*2.84*	
		For 18 Gauge, Add	*3.77*	
		For 16 Gauge, Add	*4.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.08*	
		For Work In Restricted Working Space, Add	*18.73*	
		For Elevated Installation >10' To 15', Add	*6.24*	
		For Elevated Installation >15' To 20', Add	*12.49*	
		For Elevated Installation >20' To 25', Add	*15.61*	
		For Elevated Installation >25' To 30', Add	*21.85*	
		For Elevated Installation >30' To 35', Add	*24.97*	
		For Elevated Installation >35' To 40', Add	*31.22*	
		For Elevated Installation >40', Add	*34.34*	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	93.71	33.30
		For Seal Class B, Add	*12.49*	
		For Seal Class A, Add	*33.30*	
		For 28 Gauge, Deduct	*-1.45*	
		For 24 Gauge, Add	*1.44*	
		For 22 Gauge, Add	*2.88*	
		For 20 Gauge, Add	*4.33*	
		For 18 Gauge, Add	*5.75*	
		For 16 Gauge, Add	*7.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.74*	
		For Work In Restricted Working Space, Add	*24.98*	
		For Elevated Installation >10' To 15', Add	*8.33*	
		For Elevated Installation >15' To 20', Add	*16.65*	
		For Elevated Installation >20' To 25', Add	*20.81*	
		For Elevated Installation >25' To 30', Add	*29.14*	
		For Elevated Installation >30' To 35', Add	*33.30*	
		For Elevated Installation >35' To 40', Add	*41.63*	
		For Elevated Installation >40', Add	*45.79*	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	138.34	49.95
		For Seal Class B, Add	*18.73*	
		For Seal Class A, Add	*49.95*	
		For 28 Gauge, Deduct	*-1.87*	
		For 24 Gauge, Add	*1.86*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*5.58*	
		For 18 Gauge, Add	*7.41*	
		For 16 Gauge, Add	*9.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.97*	
		For Work In Restricted Working Space, Add	*37.46*	
		For Elevated Installation >10' To 15', Add	*12.49*	
		For Elevated Installation >15' To 20', Add	*24.97*	
		For Elevated Installation >20' To 25', Add	*31.22*	
		For Elevated Installation >25' To 30', Add	*43.70*	
		For Elevated Installation >30' To 35', Add	*49.95*	
		For Elevated Installation >35' To 40', Add	*62.44*	
		For Elevated Installation >40', Add	*68.68*	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	182.86	63.82
		For Seal Class B, Add	*23.93*	
		For Seal Class A, Add	*63.82*	
		For 28 Gauge, Deduct	*-3.23*	
		For 24 Gauge, Add	*3.22*	
		For 22 Gauge, Add	*6.42*	
		For 20 Gauge, Add	*9.65*	
		For 18 Gauge, Add	*12.82*	
		For 16 Gauge, Add	*15.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.25*	
		For Work In Restricted Working Space, Add	*47.87*	
		For Elevated Installation >10' To 15', Add	*15.96*	
		For Elevated Installation >15' To 20', Add	*31.91*	
		For Elevated Installation >20' To 25', Add	*39.89*	
		For Elevated Installation >25' To 30', Add	*55.84*	
		For Elevated Installation >30' To 35', Add	*63.82*	
		For Elevated Installation >35' To 40', Add	*79.78*	
		For Elevated Installation >40', Add	*87.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	239.39	80.47
		For Seal Class B, Add	*30.18*	
		For Seal Class A, Add	*80.47*	
		For 28 Gauge, Deduct	*-5.29*	
		For 24 Gauge, Add	*5.27*	
		For 22 Gauge, Add	*10.53*	
		For 20 Gauge, Add	*15.82*	
		For 18 Gauge, Add	*21.02*	
		For 16 Gauge, Add	*25.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.28*	
		For Work In Restricted Working Space, Add	*60.35*	
		For Elevated Installation >10' To 15', Add	*20.12*	
		For Elevated Installation >15' To 20', Add	*40.23*	
		For Elevated Installation >20' To 25', Add	*50.29*	
		For Elevated Installation >25' To 30', Add	*70.41*	
		For Elevated Installation >30' To 35', Add	*80.47*	
		For Elevated Installation >35' To 40', Add	*100.59*	
		For Elevated Installation >40', Add	*110.64*	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	255.69	83.94
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*83.80*	
		For 28 Gauge, Deduct	*-6.40*	
		For 24 Gauge, Add	*6.38*	
		For 22 Gauge, Add	*12.73*	
		For 20 Gauge, Add	*19.13*	
		For 18 Gauge, Add	*25.41*	
		For 16 Gauge, Add	*31.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.19*	
		For Work In Restricted Working Space, Add	*62.85*	
		For Elevated Installation >10' To 15', Add	*20.95*	
		For Elevated Installation >15' To 20', Add	*41.90*	
		For Elevated Installation >20' To 25', Add	*52.37*	
		For Elevated Installation >25' To 30', Add	*73.32*	
		For Elevated Installation >30' To 35', Add	*83.80*	
		For Elevated Installation >35' To 40', Add	*104.75*	
		For Elevated Installation >40', Add	*115.22*	
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	274.23	86.01
		For Seal Class B, Add	*32.26*	
		For Seal Class A, Add	*86.02*	
		For 28 Gauge, Deduct	*-8.20*	
		For 24 Gauge, Add	*8.17*	
		For 22 Gauge, Add	*16.31*	
		For 20 Gauge, Add	*24.50*	
		For 18 Gauge, Add	*32.55*	
		For 16 Gauge, Add	*39.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.80*	
		For Work In Restricted Working Space, Add	*64.51*	
		For Elevated Installation >10' To 15', Add	*21.50*	
		For Elevated Installation >15' To 20', Add	*43.01*	
		For Elevated Installation >20' To 25', Add	*53.76*	
		For Elevated Installation >25' To 30', Add	*75.26*	
		For Elevated Installation >30' To 35', Add	*86.02*	
		For Elevated Installation >35' To 40', Add	*107.52*	
		For Elevated Installation >40', Add	*118.27*	

23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*

23 31 13 16-0051	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	55.09	18.73
		For Seal Class B, Add	*7.02*	
		For Seal Class A, Add	*18.73*	
		For 28 Gauge, Deduct	*-1.15*	
		For 24 Gauge, Add	*1.14*	
		For 22 Gauge, Add	*2.28*	
		For 20 Gauge, Add	*3.42*	
		For 18 Gauge, Add	*4.55*	
		For 16 Gauge, Add	*5.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.12*	
		For Work In Restricted Working Space, Add	*14.05*	
		For Elevated Installation >10' To 15', Add	*4.68*	
		For Elevated Installation >15' To 20', Add	*9.36*	
		For Elevated Installation >20' To 25', Add	*11.71*	
		For Elevated Installation >25' To 30', Add	*16.39*	
		For Elevated Installation >30' To 35', Add	*18.73*	
		For Elevated Installation >35' To 40', Add	*23.41*	
		For Elevated Installation >40', Add	*25.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	64.50	21.37
		For Seal Class B, Add	*8.03*	
		For Seal Class A, Add	*21.41*	
		For 28 Gauge, Deduct	*-1.52*	
		For 24 Gauge, Add	*1.52*	
		For 22 Gauge, Add	*3.02*	
		For 20 Gauge, Add	*4.55*	
		For 18 Gauge, Add	*6.04*	
		For 16 Gauge, Add	*7.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.13*	
		For Work In Restricted Working Space, Add	*16.06*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.41*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.44*	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	74.34	24.97
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*24.97*	
		For 28 Gauge, Deduct	*-1.65*	
		For 24 Gauge, Add	*1.64*	
		For 22 Gauge, Add	*3.28*	
		For 20 Gauge, Add	*4.93*	
		For 18 Gauge, Add	*6.55*	
		For 16 Gauge, Add	*8.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.81*	
		For Work In Restricted Working Space, Add	*18.73*	
		For Elevated Installation >10' To 15', Add	*6.24*	
		For Elevated Installation >15' To 20', Add	*12.49*	
		For Elevated Installation >20' To 25', Add	*15.61*	
		For Elevated Installation >25' To 30', Add	*21.85*	
		For Elevated Installation >30' To 35', Add	*24.97*	
		For Elevated Installation >35' To 40', Add	*31.22*	
		For Elevated Installation >40', Add	*34.34*	
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	88.63	29.97
		For Seal Class B, Add	*11.24*	
		For Seal Class A, Add	*29.97*	
		For 28 Gauge, Deduct	*-1.90*	
		For 24 Gauge, Add	*1.89*	
		For 22 Gauge, Add	*3.78*	
		For 20 Gauge, Add	*5.68*	
		For 18 Gauge, Add	*7.54*	
		For 16 Gauge, Add	*9.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.15*	
		For Work In Restricted Working Space, Add	*22.48*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.98*	
		For Elevated Installation >20' To 25', Add	*18.73*	
		For Elevated Installation >25' To 30', Add	*26.22*	
		For Elevated Installation >30' To 35', Add	*29.97*	
		For Elevated Installation >35' To 40', Add	*37.46*	
		For Elevated Installation >40', Add	*41.21*	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	115.83	37.46
		For Seal Class B, Add	*14.05*	
		For Seal Class A, Add	*37.46*	
		For 28 Gauge, Deduct	*-3.07*	
		For 24 Gauge, Add	*3.06*	
		For 22 Gauge, Add	*6.11*	
		For 20 Gauge, Add	*9.18*	
		For 18 Gauge, Add	*12.19*	
		For 16 Gauge, Add	*14.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.41*	
		For Work In Restricted Working Space, Add	*28.10*	
		For Elevated Installation >10' To 15', Add	*9.37*	
		For Elevated Installation >15' To 20', Add	*18.73*	
		For Elevated Installation >20' To 25', Add	*23.42*	
		For Elevated Installation >25' To 30', Add	*32.78*	
		For Elevated Installation >30' To 35', Add	*37.46*	
		For Elevated Installation >35' To 40', Add	*46.83*	
		For Elevated Installation >40', Add	*51.51*	
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	153.15	49.95
		For Seal Class B, Add	*18.73*	
		For Seal Class A, Add	*49.95*	
		For 28 Gauge, Deduct	*-3.92*	
		For 24 Gauge, Add	*3.90*	
		For 22 Gauge, Add	*7.79*	
		For 20 Gauge, Add	*11.71*	
		For 18 Gauge, Add	*15.55*	
		For 16 Gauge, Add	*19.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.93*	
		For Work In Restricted Working Space, Add	*37.46*	
		For Elevated Installation >10' To 15', Add	*12.49*	
		For Elevated Installation >15' To 20', Add	*24.97*	
		For Elevated Installation >20' To 25', Add	*31.22*	
		For Elevated Installation >25' To 30', Add	*43.70*	
		For Elevated Installation >30' To 35', Add	*49.95*	
		For Elevated Installation >35' To 40', Add	*62.44*	
		For Elevated Installation >40', Add	*68.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	215.54	74.92
		For Seal Class B, Add	*28.09*	
		For Seal Class A, Add	*74.90*	
		For 28 Gauge, Deduct	*-3.92*	
		For 24 Gauge, Add	*3.90*	
		For 22 Gauge, Add	*7.79*	
		For 20 Gauge, Add	*11.71*	
		For 18 Gauge, Add	*15.55*	
		For 16 Gauge, Add	*19.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.93*	
		For Work In Restricted Working Space, Add	*56.18*	
		For Elevated Installation >10' To 15', Add	*18.73*	
		For Elevated Installation >15' To 20', Add	*37.45*	
		For Elevated Installation >20' To 25', Add	*46.82*	
		For Elevated Installation >25' To 30', Add	*65.54*	
		For Elevated Installation >30' To 35', Add	*74.90*	
		For Elevated Installation >35' To 40', Add	*93.63*	
		For Elevated Installation >40', Add	*102.99*	
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	293.07	95.45
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*95.68*	
		For 28 Gauge, Deduct	*-7.46*	
		For 24 Gauge, Add	*7.43*	
		For 22 Gauge, Add	*14.84*	
		For 20 Gauge, Add	*22.30*	
		For 18 Gauge, Add	*29.62*	
		For 16 Gauge, Add	*36.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.86*	
		For Work In Restricted Working Space, Add	*71.76*	
		For Elevated Installation >10' To 15', Add	*23.92*	
		For Elevated Installation >15' To 20', Add	*47.84*	
		For Elevated Installation >20' To 25', Add	*59.80*	
		For Elevated Installation >25' To 30', Add	*83.72*	
		For Elevated Installation >30' To 35', Add	*95.68*	
		For Elevated Installation >35' To 40', Add	*119.61*	
		For Elevated Installation >40', Add	*131.57*	
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	377.22	120.98
		For Seal Class B, Add	*45.24*	
		For Seal Class A, Add	*120.64*	
		For 28 Gauge, Deduct	*-10.47*	
		For 24 Gauge, Add	*10.43*	
		For 22 Gauge, Add	*20.83*	
		For 20 Gauge, Add	*31.30*	
		For 18 Gauge, Add	*41.59*	
		For 16 Gauge, Add	*51.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.95*	
		For Work In Restricted Working Space, Add	*90.48*	
		For Elevated Installation >10' To 15', Add	*30.16*	
		For Elevated Installation >15' To 20', Add	*60.32*	
		For Elevated Installation >20' To 25', Add	*75.40*	
		For Elevated Installation >25' To 30', Add	*105.56*	
		For Elevated Installation >30' To 35', Add	*120.64*	
		For Elevated Installation >35' To 40', Add	*150.81*	
		For Elevated Installation >40', Add	*165.89*	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	433.46	134.57
		For Seal Class B, Add	*50.57*	
		For Seal Class A, Add	*134.85*	
		For 28 Gauge, Deduct	*-13.34*	
		For 24 Gauge, Add	*13.29*	
		For 22 Gauge, Add	*26.54*	
		For 20 Gauge, Add	*39.88*	
		For 18 Gauge, Add	*52.98*	
		For 16 Gauge, Add	*65.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*71.28*	
		For Work In Restricted Working Space, Add	*101.14*	
		For Elevated Installation >10' To 15', Add	*33.71*	
		For Elevated Installation >15' To 20', Add	*67.43*	
		For Elevated Installation >20' To 25', Add	*84.28*	
		For Elevated Installation >25' To 30', Add	*118.00*	
		For Elevated Installation >30' To 35', Add	*134.85*	
		For Elevated Installation >35' To 40', Add	*168.57*	
		For Elevated Installation >40', Add	*185.42*	
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	455.13	139.43
		For Seal Class B, Add	*52.24*	
		For Seal Class A, Add	*139.30*	
		For 28 Gauge, Deduct	*-14.80*	
		For 24 Gauge, Add	*14.75*	
		For 22 Gauge, Add	*29.45*	
		For 20 Gauge, Add	*44.25*	
		For 18 Gauge, Add	*58.79*	
		For 16 Gauge, Add	*72.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*79.10*	
		For Work In Restricted Working Space, Add	*104.47*	
		For Elevated Installation >10' To 15', Add	*34.82*	
		For Elevated Installation >15' To 20', Add	*69.65*	
		For Elevated Installation >20' To 25', Add	*87.06*	
		For Elevated Installation >25' To 30', Add	*121.88*	
		For Elevated Installation >30' To 35', Add	*139.30*	
		For Elevated Installation >35' To 40', Add	*174.12*	
		For Elevated Installation >40', Add	*191.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0062		Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*		
23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	24.97	
		For Seal Class B, Add	*3.33*	
		For Seal Class A, Add	*8.88*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.20*	
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	26.31	
		For Seal Class B, Add	*3.50*	
		For Seal Class A, Add	*9.33*	
		For Work In Restricted Working Space, Add	*7.00*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.67*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.17*	
		For Elevated Installation >30' To 35', Add	*9.33*	
		For Elevated Installation >35' To 40', Add	*11.67*	
		For Elevated Installation >40', Add	*12.83*	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	28.18	
		For Seal Class B, Add	*3.75*	
		For Seal Class A, Add	*9.99*	
		For Work In Restricted Working Space, Add	*7.49*	
		For Elevated Installation >10' To 15', Add	*2.50*	
		For Elevated Installation >15' To 20', Add	*4.99*	
		For Elevated Installation >20' To 25', Add	*6.24*	
		For Elevated Installation >25' To 30', Add	*8.74*	
		For Elevated Installation >30' To 35', Add	*9.99*	
		For Elevated Installation >35' To 40', Add	*12.49*	
		For Elevated Installation >40', Add	*13.73*	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	30.03	
		For Seal Class B, Add	*3.95*	
		For Seal Class A, Add	*10.54*	
		For Work In Restricted Working Space, Add	*7.91*	
		For Elevated Installation >10' To 15', Add	*2.64*	
		For Elevated Installation >15' To 20', Add	*5.27*	
		For Elevated Installation >20' To 25', Add	*6.59*	
		For Elevated Installation >25' To 30', Add	*9.23*	
		For Elevated Installation >30' To 35', Add	*10.54*	
		For Elevated Installation >35' To 40', Add	*13.18*	
		For Elevated Installation >40', Add	*14.50*	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	32.58	
		For Seal Class B, Add	*4.27*	
		For Seal Class A, Add	*11.38*	
		For Work In Restricted Working Space, Add	*8.53*	
		For Elevated Installation >10' To 15', Add	*2.84*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.95*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.22*	
		For Elevated Installation >40', Add	*15.64*	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	38.30	
		For Seal Class B, Add	*4.77*	
		For Seal Class A, Add	*12.71*	
		For Work In Restricted Working Space, Add	*9.53*	
		For Elevated Installation >10' To 15', Add	*3.18*	
		For Elevated Installation >15' To 20', Add	*6.35*	
		For Elevated Installation >20' To 25', Add	*7.94*	
		For Elevated Installation >25' To 30', Add	*11.12*	
		For Elevated Installation >30' To 35', Add	*12.71*	
		For Elevated Installation >35' To 40', Add	*15.89*	
		For Elevated Installation >40', Add	*17.47*	
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	52.27	
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*17.76*	
		For Work In Restricted Working Space, Add	*13.32*	
		For Elevated Installation >10' To 15', Add	*4.44*	
		For Elevated Installation >15' To 20', Add	*8.88*	
		For Elevated Installation >20' To 25', Add	*11.10*	
		For Elevated Installation >25' To 30', Add	*15.54*	
		For Elevated Installation >30' To 35', Add	*17.76*	
		For Elevated Installation >35' To 40', Add	*22.20*	
		For Elevated Installation >40', Add	*24.42*	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	59.68	
		For Seal Class B, Add	*7.58*	
		For Seal Class A, Add	*20.21*	
		For Work In Restricted Working Space, Add	*15.16*	
		For Elevated Installation >10' To 15', Add	*5.05*	
		For Elevated Installation >15' To 20', Add	*10.10*	
		For Elevated Installation >20' To 25', Add	*12.63*	
		For Elevated Installation >25' To 30', Add	*17.68*	
		For Elevated Installation >30' To 35', Add	*20.21*	
		For Elevated Installation >35' To 40', Add	*25.26*	
		For Elevated Installation >40', Add	*27.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	65.62	
		For Seal Class B, Add	*8.31*	
		For Seal Class A, Add	*22.15*	
		For Work In Restricted Working Space, Add	*16.61*	
		For Elevated Installation >10' To 15', Add	*5.54*	
		For Elevated Installation >15' To 20', Add	*11.07*	
		For Elevated Installation >20' To 25', Add	*13.84*	
		For Elevated Installation >25' To 30', Add	*19.38*	
		For Elevated Installation >30' To 35', Add	*22.15*	
		For Elevated Installation >35' To 40', Add	*27.69*	
		For Elevated Installation >40', Add	*30.45*	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	71.40	
		For Seal Class B, Add	*8.99*	
		For Seal Class A, Add	*23.98*	
		For Work In Restricted Working Space, Add	*17.98*	
		For Elevated Installation >10' To 15', Add	*5.99*	
		For Elevated Installation >15' To 20', Add	*11.99*	
		For Elevated Installation >20' To 25', Add	*14.99*	
		For Elevated Installation >25' To 30', Add	*20.98*	
		For Elevated Installation >30' To 35', Add	*23.98*	
		For Elevated Installation >35' To 40', Add	*29.97*	
		For Elevated Installation >40', Add	*32.97*	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	77.78	
		For Seal Class B, Add	*9.80*	
		For Seal Class A, Add	*26.14*	
		For Work In Restricted Working Space, Add	*19.61*	
		For Elevated Installation >10' To 15', Add	*6.54*	
		For Elevated Installation >15' To 20', Add	*13.07*	
		For Elevated Installation >20' To 25', Add	*16.34*	
		For Elevated Installation >25' To 30', Add	*22.87*	
		For Elevated Installation >30' To 35', Add	*26.14*	
		For Elevated Installation >35' To 40', Add	*32.68*	
		For Elevated Installation >40', Add	*35.94*	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*

23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	10.29	1.28
		For Seal Class B, Add	*1.03*	
		For Seal Class A, Add	*2.74*	
		For Up To 20', Add	*1.03*	
		For >20' To 50', Add	*0.41*	
		For >200' To 500', Deduct	*-0.26*	
		For >500', Deduct	*-0.43*	
		For 24 Gauge, Add	*0.69*	
		For 22 Gauge, Add	*1.58*	
		For 20 Gauge, Add	*2.57*	
		For 18 Gauge, Add	*3.94*	
		For 16 Gauge, Add	*4.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.54*	
		For Work In Restricted Working Space, Add	*2.06*	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	13.20	2.56
		For Seal Class B, Add	*1.23*	
		For Seal Class A, Add	*3.29*	
		For Up To 20', Add	*1.49*	
		For >20' To 50', Add	*0.60*	
		For >200' To 500', Deduct	*-0.37*	
		For >500', Deduct	*-0.62*	
		For 24 Gauge, Add	*0.99*	
		For 22 Gauge, Add	*2.29*	
		For 20 Gauge, Add	*3.73*	
		For 18 Gauge, Add	*5.72*	
		For 16 Gauge, Add	*6.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.68*	
		For Work In Restricted Working Space, Add	*2.47*	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	16.75	2.56
		For Seal Class B, Add	*1.53*	
		For Seal Class A, Add	*4.08*	
		For Up To 20', Add	*1.96*	
		For >20' To 50', Add	*0.78*	
		For >200' To 500', Deduct	*-0.49*	
		For >500', Deduct	*-0.82*	
		For 24 Gauge, Add	*1.31*	
		For 22 Gauge, Add	*3.01*	
		For 20 Gauge, Add	*4.91*	
		For 18 Gauge, Add	*7.52*	
		For 16 Gauge, Add	*9.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.84*	
		For Work In Restricted Working Space, Add	*3.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	20.33	2.56
		For Seal Class B, Add	*1.84*	
		For Seal Class A, Add	*4.90*	
		For Up To 20', Add	*2.42*	
		For >20' To 50', Add	*0.97*	
		For >200' To 500', Deduct	*-0.61*	
		For >500', Deduct	*-1.01*	
		For 24 Gauge, Add	*1.61*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*6.05*	
		For 18 Gauge, Add	*9.28*	
		For 16 Gauge, Add	*11.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.97*	
		For Work In Restricted Working Space, Add	*3.68*	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	25.29	3.84
		For Seal Class B, Add	*2.30*	
		For Seal Class A, Add	*6.14*	
		For Up To 20', Add	*2.98*	
		For >20' To 50', Add	*1.19*	
		For >200' To 500', Deduct	*-0.74*	
		For >500', Deduct	*-1.24*	
		For 24 Gauge, Add	*1.99*	
		For 22 Gauge, Add	*4.57*	
		For 20 Gauge, Add	*7.45*	
		For 18 Gauge, Add	*11.42*	
		For 16 Gauge, Add	*13.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.35*	
		For Work In Restricted Working Space, Add	*4.61*	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	30.71	3.84
		For Seal Class B, Add	*2.88*	
		For Seal Class A, Add	*7.68*	
		For Up To 20', Add	*3.45*	
		For >20' To 50', Add	*1.38*	
		For >200' To 500', Deduct	*-0.86*	
		For >500', Deduct	*-1.44*	
		For 24 Gauge, Add	*2.30*	
		For 22 Gauge, Add	*5.29*	
		For 20 Gauge, Add	*8.63*	
		For 18 Gauge, Add	*13.24*	
		For 16 Gauge, Add	*16.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.52*	
		For Work In Restricted Working Space, Add	*5.76*	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	42.27	3.84
		For Seal Class B, Add	*3.83*	
		For Seal Class A, Add	*10.22*	
		For Up To 20', Add	*5.01*	
		For >20' To 50', Add	*2.01*	
		For >200' To 500', Deduct	*-1.25*	
		For >500', Deduct	*-2.09*	
		For 24 Gauge, Add	*3.34*	
		For 22 Gauge, Add	*7.69*	
		For 20 Gauge, Add	*12.53*	
		For 18 Gauge, Add	*19.22*	
		For 16 Gauge, Add	*23.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.37*	
		For Work In Restricted Working Space, Add	*7.67*	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	48.33	5.12
		For Seal Class B, Add	*4.47*	
		For Seal Class A, Add	*11.92*	
		For Up To 20', Add	*5.56*	
		For >20' To 50', Add	*2.22*	
		For >200' To 500', Deduct	*-1.39*	
		For >500', Deduct	*-2.32*	
		For 24 Gauge, Add	*3.71*	
		For 22 Gauge, Add	*8.52*	
		For 20 Gauge, Add	*13.90*	
		For 18 Gauge, Add	*21.31*	
		For 16 Gauge, Add	*25.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.71*	
		For Work In Restricted Working Space, Add	*8.94*	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	54.51	5.12
		For Seal Class B, Add	*5.08*	
		For Seal Class A, Add	*13.54*	
		For Up To 20', Add	*6.20*	
		For >20' To 50', Add	*2.48*	
		For >200' To 500', Deduct	*-1.55*	
		For >500', Deduct	*-2.58*	
		For 24 Gauge, Add	*4.13*	
		For 22 Gauge, Add	*9.51*	
		For 20 Gauge, Add	*15.50*	
		For 18 Gauge, Add	*23.77*	
		For 16 Gauge, Add	*28.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.30*	
		For Work In Restricted Working Space, Add	*10.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	60.96	6.40
		For Seal Class B, Add	*5.72*	
		For Seal Class A, Add	*15.24*	
		For Up To 20', Add	*6.86*	
		For >20' To 50', Add	*2.74*	
		For >200' To 500', Deduct	*-1.71*	
		For >500', Deduct	*-2.86*	
		For 24 Gauge, Add	*4.57*	
		For 22 Gauge, Add	*10.51*	
		For 20 Gauge, Add	*17.14*	
		For 18 Gauge, Add	*26.28*	
		For 16 Gauge, Add	*31.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.91*	
		For Work In Restricted Working Space, Add	*11.43*	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	67.48	7.68
		For Seal Class B, Add	*6.40*	
		For Seal Class A, Add	*17.06*	
		For Up To 20', Add	*7.45*	
		For >20' To 50', Add	*2.98*	
		For >200' To 500', Deduct	*-1.86*	
		For >500', Deduct	*-3.10*	
		For 24 Gauge, Add	*4.97*	
		For 22 Gauge, Add	*11.42*	
		For 20 Gauge, Add	*18.62*	
		For 18 Gauge, Add	*28.55*	
		For 16 Gauge, Add	*34.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.37*	
		For Work In Restricted Working Space, Add	*12.80*	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0088	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	84.21	17.91
		For Seal Class B, Add	*10.38*	
		For Seal Class A, Add	*27.67*	
		For 24 Gauge, Add	*3.01*	
		For 22 Gauge, Add	*6.92*	
		For 20 Gauge, Add	*11.28*	
		For 18 Gauge, Add	*17.30*	
		For 16 Gauge, Add	*21.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.13*	
		For Work In Restricted Working Space, Add	*20.75*	
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	123.73	25.59
		For Seal Class B, Add	*15.36*	
		For Seal Class A, Add	*40.95*	
		For 24 Gauge, Add	*4.27*	
		For 22 Gauge, Add	*9.82*	
		For 20 Gauge, Add	*16.01*	
		For 18 Gauge, Add	*24.55*	
		For 16 Gauge, Add	*29.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.80*	
		For Work In Restricted Working Space, Add	*30.71*	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	175.44	33.27
		For Seal Class B, Add	*20.21*	
		For Seal Class A, Add	*53.88*	
		For 24 Gauge, Add	*8.15*	
		For 22 Gauge, Add	*18.74*	
		For 20 Gauge, Add	*30.55*	
		For 18 Gauge, Add	*46.84*	
		For 16 Gauge, Add	*57.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.14*	
		For Work In Restricted Working Space, Add	*40.41*	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	218.58	42.24
		For Seal Class B, Add	*25.59*	
		For Seal Class A, Add	*68.25*	
		For 24 Gauge, Add	*9.59*	
		For 22 Gauge, Add	*22.06*	
		For 20 Gauge, Add	*35.96*	
		For 18 Gauge, Add	*55.14*	
		For 16 Gauge, Add	*67.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.48*	
		For Work In Restricted Working Space, Add	*51.19*	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	269.60	53.75
		For Seal Class B, Add	*31.99*	
		For Seal Class A, Add	*85.32*	
		For 24 Gauge, Add	*11.26*	
		For 22 Gauge, Add	*25.90*	
		For 20 Gauge, Add	*42.23*	
		For 18 Gauge, Add	*64.76*	
		For 16 Gauge, Add	*78.83*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.67*	
		For Work In Restricted Working Space, Add	*63.99*	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	295.36	58.87
		For Seal Class B, Add	*34.90*	
		For Seal Class A, Add	*93.07*	
		For 24 Gauge, Add	*12.54*	
		For 22 Gauge, Add	*28.83*	
		For 20 Gauge, Add	*47.01*	
		For 18 Gauge, Add	*72.08*	
		For 16 Gauge, Add	*87.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.38*	
		For Work In Restricted Working Space, Add	*69.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	348.58	69.10
		For Seal Class B, Add	*41.28*	
		For Seal Class A, Add	*110.09*	
		For 24 Gauge, Add	*14.67*	
		For 22 Gauge, Add	*33.75*	
		For 20 Gauge, Add	*55.02*	
		For 18 Gauge, Add	*84.36*	
		For 16 Gauge, Add	*102.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*54.29*	
		For Work In Restricted Working Space, Add	*82.57*	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	425.67	85.74
		For Seal Class B, Add	*51.19*	
		For Seal Class A, Add	*136.50*	
		For 24 Gauge, Add	*16.88*	
		For 22 Gauge, Add	*38.83*	
		For 20 Gauge, Add	*63.31*	
		For 18 Gauge, Add	*97.07*	
		For 16 Gauge, Add	*118.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.46*	
		For Work In Restricted Working Space, Add	*102.38*	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	512.46	103.66
		For Seal Class B, Add	*61.92*	
		For Seal Class A, Add	*165.13*	
		For 24 Gauge, Add	*19.93*	
		For 22 Gauge, Add	*45.83*	
		For 20 Gauge, Add	*74.73*	
		For 18 Gauge, Add	*114.59*	
		For 16 Gauge, Add	*139.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*73.73*	
		For Work In Restricted Working Space, Add	*123.85*	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	596.01	120.30
		For Seal Class B, Add	*72.44*	
		For Seal Class A, Add	*193.17*	
		For 24 Gauge, Add	*22.62*	
		For 22 Gauge, Add	*52.02*	
		For 20 Gauge, Add	*84.82*	
		For 18 Gauge, Add	*130.05*	
		For 16 Gauge, Add	*158.33*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*83.69*	
		For Work In Restricted Working Space, Add	*144.88*	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	684.13	136.93
		For Seal Class B, Add	*81.69*	
		For Seal Class A, Add	*217.83*	
		For 24 Gauge, Add	*27.91*	
		For 22 Gauge, Add	*64.20*	
		For 20 Gauge, Add	*104.67*	
		For 18 Gauge, Add	*160.49*	
		For 16 Gauge, Add	*195.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*103.27*	
		For Work In Restricted Working Space, Add	*163.37*	

23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	84.92	17.91
		For Seal Class B, Add	*10.38*	
		For Seal Class A, Add	*27.67*	
		For 24 Gauge, Add	*3.15*	
		For 22 Gauge, Add	*7.25*	
		For 20 Gauge, Add	*11.81*	
		For 18 Gauge, Add	*18.11*	
		For 16 Gauge, Add	*22.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.66*	
		For Work In Restricted Working Space, Add	*20.75*	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	120.07	25.59
		For Seal Class B, Add	*15.36*	
		For Seal Class A, Add	*40.95*	
		For 24 Gauge, Add	*3.54*	
		For 22 Gauge, Add	*8.14*	
		For 20 Gauge, Add	*13.27*	
		For 18 Gauge, Add	*20.34*	
		For 16 Gauge, Add	*24.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.09*	
		For Work In Restricted Working Space, Add	*30.71*	
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	158.44	33.27
		For Seal Class B, Add	*20.21*	
		For Seal Class A, Add	*53.88*	
		For 24 Gauge, Add	*4.75*	
		For 22 Gauge, Add	*10.92*	
		For 20 Gauge, Add	*17.80*	
		For 18 Gauge, Add	*27.29*	
		For 16 Gauge, Add	*33.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.56*	
		For Work In Restricted Working Space, Add	*40.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	200.29	42.24
		For Seal Class B, Add	*25.59*	
		For Seal Class A, Add	*68.25*	
		For 24 Gauge, Add	*5.93*	
		For 22 Gauge, Add	*13.64*	
		For 20 Gauge, Add	*22.25*	
		For 18 Gauge, Add	*34.11*	
		For 16 Gauge, Add	*41.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.95*	
		For Work In Restricted Working Space, Add	*51.19*	
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	247.76	53.75
		For Seal Class B, Add	*31.99*	
		For Seal Class A, Add	*85.32*	
		For 24 Gauge, Add	*6.89*	
		For 22 Gauge, Add	*15.86*	
		For 20 Gauge, Add	*25.85*	
		For 18 Gauge, Add	*39.64*	
		For 16 Gauge, Add	*48.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.51*	
		For Work In Restricted Working Space, Add	*63.99*	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	270.99	58.87
		For Seal Class B, Add	*34.90*	
		For Seal Class A, Add	*93.07*	
		For 24 Gauge, Add	*7.66*	
		For 22 Gauge, Add	*17.62*	
		For 20 Gauge, Add	*28.73*	
		For 18 Gauge, Add	*44.06*	
		For 16 Gauge, Add	*53.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.35*	
		For Work In Restricted Working Space, Add	*69.80*	
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	338.03	69.10
		For Seal Class B, Add	*41.28*	
		For Seal Class A, Add	*110.09*	
		For 24 Gauge, Add	*12.56*	
		For 22 Gauge, Add	*28.89*	
		For 20 Gauge, Add	*47.11*	
		For 18 Gauge, Add	*72.23*	
		For 16 Gauge, Add	*87.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.48*	
		For Work In Restricted Working Space, Add	*82.57*	
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	418.20	85.74
		For Seal Class B, Add	*51.19*	
		For Seal Class A, Add	*136.50*	
		For 24 Gauge, Add	*15.39*	
		For 22 Gauge, Add	*35.39*	
		For 20 Gauge, Add	*57.71*	
		For 18 Gauge, Add	*88.48*	
		For 16 Gauge, Add	*107.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*56.94*	
		For Work In Restricted Working Space, Add	*102.38*	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	510.17	103.66
		For Seal Class B, Add	*61.92*	
		For Seal Class A, Add	*165.13*	
		For 24 Gauge, Add	*19.47*	
		For 22 Gauge, Add	*44.78*	
		For 20 Gauge, Add	*73.01*	
		For 18 Gauge, Add	*111.95*	
		For 16 Gauge, Add	*136.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*72.04*	
		For Work In Restricted Working Space, Add	*123.85*	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	570.07	120.30
		For Seal Class B, Add	*72.44*	
		For Seal Class A, Add	*193.17*	
		For 24 Gauge, Add	*17.43*	
		For 22 Gauge, Add	*40.09*	
		For 20 Gauge, Add	*65.36*	
		For 18 Gauge, Add	*100.22*	
		For 16 Gauge, Add	*122.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*64.49*	
		For Work In Restricted Working Space, Add	*144.88*	
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	674.90	136.93
		For Seal Class B, Add	*81.69*	
		For Seal Class A, Add	*217.83*	
		For 24 Gauge, Add	*26.07*	
		For 22 Gauge, Add	*59.95*	
		For 20 Gauge, Add	*97.75*	
		For 18 Gauge, Add	*149.88*	
		For 16 Gauge, Add	*182.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*96.44*	
		For Work In Restricted Working Space, Add	*163.37*	

23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals *(23 31 13 16-0074)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	168.56	33.27
		For Seal Class B, Add	*20.21*	
		For Seal Class A, Add	*53.88*	
		For 24 Gauge, Add	*6.77*	
		For 22 Gauge, Add	*15.57*	
		For 20 Gauge, Add	*25.39*	
		For 18 Gauge, Add	*38.93*	
		For 16 Gauge, Add	*47.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.05*	
		For Work In Restricted Working Space, Add	*40.41*	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	248.78	53.75
		For Seal Class B, Add	*31.99*	
		For Seal Class A, Add	*85.32*	
		For 24 Gauge, Add	*7.10*	
		For 22 Gauge, Add	*16.33*	
		For 20 Gauge, Add	*26.62*	
		For 18 Gauge, Add	*40.81*	
		For 16 Gauge, Add	*49.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.26*	
		For Work In Restricted Working Space, Add	*63.99*	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	314.18	69.10
		For Seal Class B, Add	*41.28*	
		For Seal Class A, Add	*110.09*	
		For 24 Gauge, Add	*7.79*	
		For 22 Gauge, Add	*17.92*	
		For 20 Gauge, Add	*29.22*	
		For 18 Gauge, Add	*44.80*	
		For 16 Gauge, Add	*54.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.83*	
		For Work In Restricted Working Space, Add	*82.57*	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	381.96	85.74
		For Seal Class B, Add	*51.19*	
		For Seal Class A, Add	*136.50*	
		For 24 Gauge, Add	*8.14*	
		For 22 Gauge, Add	*18.72*	
		For 20 Gauge, Add	*30.53*	
		For 18 Gauge, Add	*46.81*	
		For 16 Gauge, Add	*56.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.12*	
		For Work In Restricted Working Space, Add	*102.38*	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	454.85	103.66
		For Seal Class B, Add	*61.92*	
		For Seal Class A, Add	*165.13*	
		For 24 Gauge, Add	*8.41*	
		For 22 Gauge, Add	*19.33*	
		For 20 Gauge, Add	*31.52*	
		For 18 Gauge, Add	*48.33*	
		For 16 Gauge, Add	*58.84*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.10*	
		For Work In Restricted Working Space, Add	*123.85*	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	528.64	120.30
		For Seal Class B, Add	*72.44*	
		For Seal Class A, Add	*193.17*	
		For 24 Gauge, Add	*9.14*	
		For 22 Gauge, Add	*21.03*	
		For 20 Gauge, Add	*34.29*	
		For 18 Gauge, Add	*52.58*	
		For 16 Gauge, Add	*64.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.83*	
		For Work In Restricted Working Space, Add	*144.88*	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	592.13	136.93
		For Seal Class B, Add	*81.69*	
		For Seal Class A, Add	*217.83*	
		For 24 Gauge, Add	*9.51*	
		For 22 Gauge, Add	*21.88*	
		For 20 Gauge, Add	*35.67*	
		For 18 Gauge, Add	*54.69*	
		For 16 Gauge, Add	*66.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.19*	
		For Work In Restricted Working Space, Add	*163.37*	
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	673.56	156.13
		For Seal Class B, Add	*93.64*	
		For Seal Class A, Add	*249.71*	
		For 24 Gauge, Add	*9.86*	
		For 22 Gauge, Add	*22.67*	
		For 20 Gauge, Add	*36.97*	
		For 18 Gauge, Add	*56.68*	
		For 16 Gauge, Add	*69.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.47*	
		For Work In Restricted Working Space, Add	*187.28*	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	751.07	172.77
		For Seal Class B, Add	*103.76*	
		For Seal Class A, Add	*276.70*	
		For 24 Gauge, Add	*11.86*	
		For 22 Gauge, Add	*27.29*	
		For 20 Gauge, Add	*44.49*	
		For 18 Gauge, Add	*68.22*	
		For 16 Gauge, Add	*83.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.90*	
		For Work In Restricted Working Space, Add	*207.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	814.05	188.12
		For Seal Class B, Add	*112.92*	
		For Seal Class A, Add	*301.12*	
		For 24 Gauge, Add	*12.25*	
		For 22 Gauge, Add	*28.18*	
		For 20 Gauge, Add	*45.95*	
		For 18 Gauge, Add	*70.45*	
		For 16 Gauge, Add	*85.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.33*	
		For Work In Restricted Working Space, Add	*225.84*	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	261.83	57.97
		For Seal Class B, Add	*34.80*	
		For Seal Class A, Add	*92.80*	
		For 24 Gauge, Add	*5.96*	
		For 22 Gauge, Add	*13.72*	
		For 20 Gauge, Add	*22.37*	
		For 18 Gauge, Add	*34.29*	
		For 16 Gauge, Add	*41.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.07*	
		For Work In Restricted Working Space, Add	*69.60*	
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	316.58	69.75
		For Seal Class B, Add	*41.84*	
		For Seal Class A, Add	*111.57*	
		For 24 Gauge, Add	*7.53*	
		For 22 Gauge, Add	*17.32*	
		For 20 Gauge, Add	*28.24*	
		For 18 Gauge, Add	*43.30*	
		For 16 Gauge, Add	*52.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.86*	
		For Work In Restricted Working Space, Add	*83.68*	
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	384.62	84.72
		For Seal Class B, Add	*50.84*	
		For Seal Class A, Add	*135.57*	
		For 24 Gauge, Add	*9.14*	
		For 22 Gauge, Add	*21.02*	
		For 20 Gauge, Add	*34.28*	
		For 18 Gauge, Add	*52.56*	
		For 16 Gauge, Add	*63.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.82*	
		For Work In Restricted Working Space, Add	*101.68*	
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	457.86	100.71
		For Seal Class B, Add	*60.52*	
		For Seal Class A, Add	*161.38*	
		For 24 Gauge, Add	*10.88*	
		For 22 Gauge, Add	*25.03*	
		For 20 Gauge, Add	*40.81*	
		For 18 Gauge, Add	*62.57*	
		For 16 Gauge, Add	*76.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.26*	
		For Work In Restricted Working Space, Add	*121.04*	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	580.78	129.51
		For Seal Class B, Add	*77.66*	
		For Seal Class A, Add	*207.08*	
		For 24 Gauge, Add	*12.62*	
		For 22 Gauge, Add	*29.02*	
		For 20 Gauge, Add	*47.31*	
		For 18 Gauge, Add	*72.54*	
		For 16 Gauge, Add	*88.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.68*	
		For Work In Restricted Working Space, Add	*155.31*	
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	645.08	143.71
		For Seal Class B, Add	*86.16*	
		For Seal Class A, Add	*229.76*	
		For 24 Gauge, Add	*14.14*	
		For 22 Gauge, Add	*32.51*	
		For 20 Gauge, Add	*53.01*	
		For 18 Gauge, Add	*81.28*	
		For 16 Gauge, Add	*98.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.30*	
		For Work In Restricted Working Space, Add	*172.32*	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	733.39	163.55
		For Seal Class B, Add	*97.94*	
		For Seal Class A, Add	*261.17*	
		For 24 Gauge, Add	*16.09*	
		For 22 Gauge, Add	*37.01*	
		For 20 Gauge, Add	*60.35*	
		For 18 Gauge, Add	*92.53*	
		For 16 Gauge, Add	*112.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*59.54*	
		For Work In Restricted Working Space, Add	*195.88*	
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	786.70	174.43
		For Seal Class B, Add	*104.55*	
		For Seal Class A, Add	*278.81*	
		For 24 Gauge, Add	*17.93*	
		For 22 Gauge, Add	*41.25*	
		For 20 Gauge, Add	*67.25*	
		For 18 Gauge, Add	*103.12*	
		For 16 Gauge, Add	*125.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.36*	
		For Work In Restricted Working Space, Add	*209.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	853.52	189.15
		For Seal Class B, Add	*113.45*	
		For Seal Class A, Add	*302.54*	
		For 24 Gauge, Add	*19.43*	
		For 22 Gauge, Add	*44.70*	
		For 20 Gauge, Add	*72.88*	
		For 18 Gauge, Add	*111.75*	
		For 16 Gauge, Add	*136.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*71.91*	
		For Work In Restricted Working Space, Add	*226.91*	
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	346.40	76.78
		For Seal Class B, Add	*46.01*	
		For Seal Class A, Add	*122.70*	
		For 24 Gauge, Add	*7.93*	
		For 22 Gauge, Add	*18.24*	
		For 20 Gauge, Add	*29.74*	
		For 18 Gauge, Add	*45.60*	
		For 16 Gauge, Add	*55.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.34*	
		For Work In Restricted Working Space, Add	*92.03*	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	420.96	93.42
		For Seal Class B, Add	*55.93*	
		For Seal Class A, Add	*149.15*	
		For 24 Gauge, Add	*9.62*	
		For 22 Gauge, Add	*22.12*	
		For 20 Gauge, Add	*36.06*	
		For 18 Gauge, Add	*55.29*	
		For 16 Gauge, Add	*67.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.58*	
		For Work In Restricted Working Space, Add	*111.86*	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	501.04	110.70
		For Seal Class B, Add	*66.56*	
		For Seal Class A, Add	*177.50*	
		For 24 Gauge, Add	*11.46*	
		For 22 Gauge, Add	*26.36*	
		For 20 Gauge, Add	*42.98*	
		For 18 Gauge, Add	*65.90*	
		For 16 Gauge, Add	*80.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.40*	
		For Work In Restricted Working Space, Add	*133.12*	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	581.61	129.00
		For Seal Class B, Add	*77.28*	
		For Seal Class A, Add	*206.08*	
		For 24 Gauge, Add	*13.28*	
		For 22 Gauge, Add	*30.55*	
		For 20 Gauge, Add	*49.81*	
		For 18 Gauge, Add	*76.37*	
		For 16 Gauge, Add	*92.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.14*	
		For Work In Restricted Working Space, Add	*154.56*	
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	650.86	144.23
		For Seal Class B, Add	*86.47*	
		For Seal Class A, Add	*230.58*	
		For 24 Gauge, Add	*14.88*	
		For 22 Gauge, Add	*34.22*	
		For 20 Gauge, Add	*55.80*	
		For 18 Gauge, Add	*85.56*	
		For 16 Gauge, Add	*104.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.06*	
		For Work In Restricted Working Space, Add	*172.94*	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	740.29	164.06
		For Seal Class B, Add	*98.34*	
		For Seal Class A, Add	*262.24*	
		For 24 Gauge, Add	*16.94*	
		For 22 Gauge, Add	*38.95*	
		For 20 Gauge, Add	*63.51*	
		For 18 Gauge, Add	*97.38*	
		For 16 Gauge, Add	*118.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.66*	
		For Work In Restricted Working Space, Add	*196.68*	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	826.51	183.00
		For Seal Class B, Add	*109.82*	
		For Seal Class A, Add	*292.85*	
		For 24 Gauge, Add	*18.88*	
		For 22 Gauge, Add	*43.42*	
		For 20 Gauge, Add	*70.79*	
		For 18 Gauge, Add	*108.55*	
		For 16 Gauge, Add	*132.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*69.85*	
		For Work In Restricted Working Space, Add	*219.64*	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	896.17	198.62
		For Seal Class B, Add	*119.08*	
		For Seal Class A, Add	*317.56*	
		For 24 Gauge, Add	*20.46*	
		For 22 Gauge, Add	*47.05*	
		For 20 Gauge, Add	*76.71*	
		For 18 Gauge, Add	*117.62*	
		For 16 Gauge, Add	*143.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*75.69*	
		For Work In Restricted Working Space, Add	*238.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0139		Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0074)*		
23 31 13 16-0140	EA	6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	114.55	25.59
		For Seal Class B, Add	*15.36*	
		For Seal Class A, Add	*40.95*	
		For 24 Gauge, Add	*2.43*	
		For 22 Gauge, Add	*5.60*	
		For 20 Gauge, Add	*9.13*	
		For 18 Gauge, Add	*14.00*	
		For 16 Gauge, Add	*17.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.01*	
		For Work In Restricted Working Space, Add	*30.71*	
23 31 13 16-0141	EA	8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	148.11	33.27
		For Seal Class B, Add	*20.21*	
		For Seal Class A, Add	*53.88*	
		For 24 Gauge, Add	*2.68*	
		For 22 Gauge, Add	*6.16*	
		For 20 Gauge, Add	*10.05*	
		For 18 Gauge, Add	*15.41*	
		For 16 Gauge, Add	*18.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.92*	
		For Work In Restricted Working Space, Add	*40.41*	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	185.46	42.24
		For Seal Class B, Add	*25.59*	
		For Seal Class A, Add	*68.25*	
		For 24 Gauge, Add	*2.97*	
		For 22 Gauge, Add	*6.82*	
		For 20 Gauge, Add	*11.12*	
		For 18 Gauge, Add	*17.05*	
		For 16 Gauge, Add	*20.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.97*	
		For Work In Restricted Working Space, Add	*51.19*	
23 31 13 16-0143	EA	12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	229.55	53.75
		For Seal Class B, Add	*31.99*	
		For Seal Class A, Add	*85.32*	
		For 24 Gauge, Add	*3.25*	
		For 22 Gauge, Add	*7.48*	
		For 20 Gauge, Add	*12.20*	
		For 18 Gauge, Add	*18.70*	
		For 16 Gauge, Add	*22.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.03*	
		For Work In Restricted Working Space, Add	*63.99*	
23 31 13 16-0144	EA	14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	250.78	58.87
		For Seal Class B, Add	*34.90*	
		For Seal Class A, Add	*93.07*	
		For 24 Gauge, Add	*3.62*	
		For 22 Gauge, Add	*8.33*	
		For 20 Gauge, Add	*13.58*	
		For 18 Gauge, Add	*20.82*	
		For 16 Gauge, Add	*25.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.39*	
		For Work In Restricted Working Space, Add	*69.80*	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	306.51	69.10
		For Seal Class B, Add	*41.28*	
		For Seal Class A, Add	*110.09*	
		For 24 Gauge, Add	*6.26*	
		For 22 Gauge, Add	*14.39*	
		For 20 Gauge, Add	*23.47*	
		For 18 Gauge, Add	*35.98*	
		For 16 Gauge, Add	*43.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.15*	
		For Work In Restricted Working Space, Add	*82.57*	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	374.70	85.74
		For Seal Class B, Add	*51.19*	
		For Seal Class A, Add	*136.50*	
		For 24 Gauge, Add	*6.69*	
		For 22 Gauge, Add	*15.38*	
		For 20 Gauge, Add	*25.08*	
		For 18 Gauge, Add	*38.46*	
		For 16 Gauge, Add	*46.82*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.75*	
		For Work In Restricted Working Space, Add	*102.38*	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	448.51	103.66
		For Seal Class B, Add	*61.92*	
		For Seal Class A, Add	*165.13*	
		For 24 Gauge, Add	*7.14*	
		For 22 Gauge, Add	*16.42*	
		For 20 Gauge, Add	*26.77*	
		For 18 Gauge, Add	*41.04*	
		For 16 Gauge, Add	*49.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.41*	
		For Work In Restricted Working Space, Add	*123.85*	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	520.86	120.30
		For Seal Class B, Add	*72.44*	
		For Seal Class A, Add	*193.17*	
		For 24 Gauge, Add	*7.59*	
		For 22 Gauge, Add	*17.45*	
		For 20 Gauge, Add	*28.46*	
		For 18 Gauge, Add	*43.63*	
		For 16 Gauge, Add	*53.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.08*	
		For Work In Restricted Working Space, Add	*144.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	584.56	136.93
		For Seal Class B, Add	*81.69*	
		For Seal Class A, Add	*217.83*	
		For 24 Gauge, Add	*8.00*	
		For 22 Gauge, Add	*18.40*	
		For 20 Gauge, Add	*29.99*	
		For 18 Gauge, Add	*45.99*	
		For 16 Gauge, Add	*55.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.59*	
		For Work In Restricted Working Space, Add	*163.37*	

23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings *(23 31 13 16-0074)*

23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	74.93	17.91
		For Seal Class B, Add	*10.38*	
		For Seal Class A, Add	*27.67*	
		For 24 Gauge, Add	*1.15*	
		For 22 Gauge, Add	*2.65*	
		For 20 Gauge, Add	*4.32*	
		For 18 Gauge, Add	*6.62*	
		For 16 Gauge, Add	*8.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.26*	
		For Work In Restricted Working Space, Add	*20.75*	
23 31 13 16-0152	EA	6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	108.93	25.59
		For Seal Class B, Add	*15.36*	
		For Seal Class A, Add	*40.95*	
		For 24 Gauge, Add	*1.31*	
		For 22 Gauge, Add	*3.01*	
		For 20 Gauge, Add	*4.91*	
		For 18 Gauge, Add	*7.53*	
		For 16 Gauge, Add	*9.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.85*	
		For Work In Restricted Working Space, Add	*30.71*	
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	141.77	33.27
		For Seal Class B, Add	*20.21*	
		For Seal Class A, Add	*53.88*	
		For 24 Gauge, Add	*1.41*	
		For 22 Gauge, Add	*3.25*	
		For 20 Gauge, Add	*5.30*	
		For 18 Gauge, Add	*8.12*	
		For 16 Gauge, Add	*9.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.22*	
		For Work In Restricted Working Space, Add	*40.41*	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	178.20	42.24
		For Seal Class B, Add	*25.59*	
		For Seal Class A, Add	*68.25*	
		For 24 Gauge, Add	*1.51*	
		For 22 Gauge, Add	*3.48*	
		For 20 Gauge, Add	*5.68*	
		For 18 Gauge, Add	*8.71*	
		For 16 Gauge, Add	*10.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.60*	
		For Work In Restricted Working Space, Add	*51.19*	
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	221.37	53.75
		For Seal Class B, Add	*31.99*	
		For Seal Class A, Add	*85.32*	
		For 24 Gauge, Add	*1.62*	
		For 22 Gauge, Add	*3.72*	
		For 20 Gauge, Add	*6.06*	
		For 18 Gauge, Add	*9.29*	
		For 16 Gauge, Add	*11.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.98*	
		For Work In Restricted Working Space, Add	*63.99*	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	241.27	58.87
		For Seal Class B, Add	*34.90*	
		For Seal Class A, Add	*93.07*	
		For 24 Gauge, Add	*1.72*	
		For 22 Gauge, Add	*3.95*	
		For 20 Gauge, Add	*6.44*	
		For 18 Gauge, Add	*9.88*	
		For 16 Gauge, Add	*12.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.36*	
		For Work In Restricted Working Space, Add	*69.80*	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	284.73	69.10
		For Seal Class B, Add	*41.28*	
		For Seal Class A, Add	*110.09*	
		For 24 Gauge, Add	*1.90*	
		For 22 Gauge, Add	*4.37*	
		For 20 Gauge, Add	*7.13*	
		For 18 Gauge, Add	*10.94*	
		For 16 Gauge, Add	*13.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.04*	
		For Work In Restricted Working Space, Add	*82.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	351.28	85.74
		For Seal Class B, Add	*51.19*	
		For Seal Class A, Add	*136.50*	
		For 24 Gauge, Add	*2.00*	
		For 22 Gauge, Add	*4.61*	
		For 20 Gauge, Add	*7.52*	
		For 18 Gauge, Add	*11.52*	
		For 16 Gauge, Add	*14.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.41*	
		For Work In Restricted Working Space, Add	*102.38*	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	423.46	103.66
		For Seal Class B, Add	*61.92*	
		For Seal Class A, Add	*165.13*	
		For 24 Gauge, Add	*2.13*	
		For 22 Gauge, Add	*4.89*	
		For 20 Gauge, Add	*7.98*	
		For 18 Gauge, Add	*12.24*	
		For 16 Gauge, Add	*14.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.87*	
		For Work In Restricted Working Space, Add	*123.85*	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	493.97	241.87
		For Seal Class B, Add	*72.44*	
		For Seal Class A, Add	*193.17*	
		For 24 Gauge, Add	*2.21*	
		For 22 Gauge, Add	*5.08*	
		For 20 Gauge, Add	*8.29*	
		For 18 Gauge, Add	*12.71*	
		For 16 Gauge, Add	*15.47*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.18*	
		For Work In Restricted Working Space, Add	*144.88*	
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	556.23	272.58
		For Seal Class B, Add	*81.69*	
		For Seal Class A, Add	*217.83*	
		For 24 Gauge, Add	*2.33*	
		For 22 Gauge, Add	*5.36*	
		For 20 Gauge, Add	*8.75*	
		For 18 Gauge, Add	*13.41*	
		For 16 Gauge, Add	*16.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.63*	
		For Work In Restricted Working Space, Add	*163.37*	

23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)*

23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	41.34	17.91
		For Seal Class B, Add	*5.19*	
		For Seal Class A, Add	*13.84*	
		For 24 Gauge, Add	*1.35*	
		For 22 Gauge, Add	*3.11*	
		For 20 Gauge, Add	*5.06*	
		For 18 Gauge, Add	*7.76*	
		For 16 Gauge, Add	*9.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.38*	
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	58.76	25.59
		For Seal Class B, Add	*7.68*	
		For Seal Class A, Add	*20.48*	
		For 24 Gauge, Add	*1.51*	
		For 22 Gauge, Add	*3.48*	
		For 20 Gauge, Add	*5.68*	
		For 18 Gauge, Add	*8.71*	
		For 16 Gauge, Add	*10.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.60*	
		For Work In Restricted Working Space, Add	*15.36*	
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	75.63	34.56
		For Seal Class B, Add	*10.10*	
		For Seal Class A, Add	*26.94*	
		For 24 Gauge, Add	*1.66*	
		For 22 Gauge, Add	*3.81*	
		For 20 Gauge, Add	*6.21*	
		For 18 Gauge, Add	*9.52*	
		For 16 Gauge, Add	*11.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.13*	
		For Work In Restricted Working Space, Add	*20.21*	
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	94.52	43.51
		For Seal Class B, Add	*12.80*	
		For Seal Class A, Add	*34.13*	
		For 24 Gauge, Add	*1.84*	
		For 22 Gauge, Add	*4.23*	
		For 20 Gauge, Add	*6.90*	
		For 18 Gauge, Add	*10.58*	
		For 16 Gauge, Add	*12.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.81*	
		For Work In Restricted Working Space, Add	*25.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	116.88	53.75
		For Seal Class B, Add	*16.00*	
		For Seal Class A, Add	*42.66*	
		For 24 Gauge, Add	*2.05*	
		For 22 Gauge, Add	*4.71*	
		For 20 Gauge, Add	*7.67*	
		For 18 Gauge, Add	*11.76*	
		For 16 Gauge, Add	*14.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.57*	
		For Work In Restricted Working Space, Add	*32.00*	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	127.59	58.87
		For Seal Class B, Add	*17.45*	
		For Seal Class A, Add	*46.54*	
		For 24 Gauge, Add	*2.25*	
		For 22 Gauge, Add	*5.18*	
		For 20 Gauge, Add	*8.44*	
		For 18 Gauge, Add	*12.94*	
		For 16 Gauge, Add	*15.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.33*	
		For Work In Restricted Working Space, Add	*34.90*	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	147.70	67.83
		For Seal Class B, Add	*20.21*	
		For Seal Class A, Add	*53.88*	
		For 24 Gauge, Add	*2.60*	
		For 22 Gauge, Add	*5.98*	
		For 20 Gauge, Add	*9.74*	
		For 18 Gauge, Add	*14.94*	
		For 16 Gauge, Add	*18.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.61*	
		For Work In Restricted Working Space, Add	*40.41*	
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	214.40	85.74
		For Seal Class B, Add	*25.59*	
		For Seal Class A, Add	*68.25*	
		For 24 Gauge, Add	*8.75*	
		For 22 Gauge, Add	*20.13*	
		For 20 Gauge, Add	*32.83*	
		For 18 Gauge, Add	*50.34*	
		For 16 Gauge, Add	*61.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.39*	
		For Work In Restricted Working Space, Add	*51.19*	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	260.74	106.22
		For Seal Class B, Add	*31.99*	
		For Seal Class A, Add	*85.32*	
		For 24 Gauge, Add	*9.49*	
		For 22 Gauge, Add	*21.83*	
		For 20 Gauge, Add	*35.59*	
		For 18 Gauge, Add	*54.57*	
		For 16 Gauge, Add	*66.43*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.11*	
		For Work In Restricted Working Space, Add	*63.99*	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	283.82	116.46
		For Seal Class B, Add	*34.90*	
		For Seal Class A, Add	*93.07*	
		For 24 Gauge, Add	*10.23*	
		For 22 Gauge, Add	*23.52*	
		For 20 Gauge, Add	*38.36*	
		For 18 Gauge, Add	*58.81*	
		For 16 Gauge, Add	*71.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.84*	
		For Work In Restricted Working Space, Add	*69.80*	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	327.21	135.65
		For Seal Class B, Add	*40.84*	
		For Seal Class A, Add	*108.92*	
		For 24 Gauge, Add	*10.98*	
		For 22 Gauge, Add	*25.26*	
		For 20 Gauge, Add	*41.19*	
		For 18 Gauge, Add	*63.16*	
		For 16 Gauge, Add	*76.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.64*	
		For Work In Restricted Working Space, Add	*81.69*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	47.00	37.73
		For Work In Restricted Working Space, Add	*13.79*	
		For Elevated Installation >10' To 15', Add	*4.60*	
		For Elevated Installation >15' To 20', Add	*9.20*	
		For Elevated Installation >20' To 25', Add	*11.50*	
		For Elevated Installation >25' To 30', Add	*16.09*	
		For Elevated Installation >30' To 35', Add	*18.39*	
		For Elevated Installation >35' To 40', Add	*22.99*	
		For Elevated Installation >40', Add	*25.29*	

23 31 13 19-0003 Duct Register Boots *(23 31 13 19)*

23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	44.48	17.34
		For Stainless Steel, Add	*12.73*	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	44.48	17.34
		For Stainless Steel, Add	*12.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	47.47	18.73
		For Stainless Steel, Add	*13.01*	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	47.47	18.73
		For Stainless Steel, Add	*13.01*	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	49.88	18.73
		For Stainless Steel, Add	*16.15*	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	51.43	20.12
		For Stainless Steel, Add	*14.56*	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	51.43	20.12
		For Stainless Steel, Add	*14.56*	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	52.93	20.12
		For Stainless Steel, Add	*16.51*	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	51.82	21.51
		For Stainless Steel, Add	*11.45*	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	54.85	22.90
		For Stainless Steel, Add	*11.79*	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	61.01	22.90
		For Stainless Steel, Add	*19.80*	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	58.17	24.27
		For Stainless Steel, Add	*12.49*	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	64.20	24.27
		For Stainless Steel, Add	*20.33*	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	46.01	18.73
		For Stainless Steel, Add	*11.12*	
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	46.01	18.73
		For Stainless Steel, Add	*11.12*	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	49.76	20.12
		For Stainless Steel, Add	*12.39*	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	51.19	20.12
		For Stainless Steel, Add	*14.25*	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	52.02	21.51
		For Stainless Steel, Add	*11.71*	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	55.02	22.90
		For Stainless Steel, Add	*12.01*	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	46.99	18.73
		For Stainless Steel, Add	*12.39*	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	50.34	20.12
		For Stainless Steel, Add	*13.14*	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	44.48	17.34
		For Stainless Steel, Add	*12.73*	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	47.47	18.73
		For Stainless Steel, Add	*13.01*	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	51.43	20.12
		For Stainless Steel, Add	*14.56*	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	51.43	20.12
		For Stainless Steel, Add	*14.56*	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	51.82	21.51
		For Stainless Steel, Add	*11.45*	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	54.85	22.90
		For Stainless Steel, Add	*11.79*	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	61.01	22.90
		For Stainless Steel, Add	*19.80*	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	63.79	24.27
		For Stainless Steel, Add	*19.80*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct	27.08	11.43
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.07*	
		For Work In Restricted Working Space, Add	*6.88*	
		For Elevated Installation >10' To 15', Add	*2.29*	
		For Elevated Installation >15' To 20', Add	*4.59*	
		For Elevated Installation >20' To 25', Add	*5.73*	
		For Elevated Installation >25' To 30', Add	*8.03*	
		For Elevated Installation >30' To 35', Add	*9.17*	
		For Elevated Installation >35' To 40', Add	*11.47*	
		For Elevated Installation >40', Add	*12.61*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

23 31 13 23-0005	LB	Black Steel Ductwork	24.51	11.80
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.69*	
		For Work In Restricted Working Space, Add	*7.07*	
		For Elevated Installation >10' To 15', Add	*2.36*	
		For Elevated Installation >15' To 20', Add	*4.72*	
		For Elevated Installation >20' To 25', Add	*5.90*	
		For Elevated Installation >25' To 30', Add	*8.25*	
		For Elevated Installation >30' To 35', Add	*9.43*	
		For Elevated Installation >35' To 40', Add	*11.79*	
		For Elevated Installation >40', Add	*12.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 31 16 Non-metal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	11.80	2.36
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	13.93	2.60
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	16.14	2.85

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Fiber Reinforced Round Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Fiber Reinforced Round Plastic Duct *(23 31 16 16-0001)*

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	20.63	6.33
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	25.91	7.41
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	35.03	10.87
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	46.54	13.74
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	59.03	17.20
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	71.19	20.67
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	79.99	24.13
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	91.49	26.39
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	98.96	28.07
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	123.69	31.54
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	129.97	33.80
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	161.39	36.08
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	184.75	41.80
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	212.88	50.40
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	286.82	56.14
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	321.29	63.06
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	356.51	72.26
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	404.17	84.32
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	431.10	103.19
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	526.05	126.13

23 31 16 16-0023 Fiber Reinforced Plastic Bell *(23 31 16 16-0001)*

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	70.36	25.68
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	84.67	30.46
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	97.79	35.83
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	128.80	47.77
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	157.44	59.72
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	183.70	71.67
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	227.83	88.98
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	243.33	95.55
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	263.61	102.12
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	283.89	109.89
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	310.12	119.44
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	357.75	131.39
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	412.51	143.33
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	467.36	161.24
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	522.20	179.16
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	577.01	197.08
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	715.23	238.88
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	858.42	298.60
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	1,030.06	358.32
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,178.01	406.10

23 31 16 16-0044 Fiber Reinforced Plastic Flange *(23 31 16 16-0001)*

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	108.35	25.68
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	125.04	30.46
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	142.91	35.83
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	185.79	47.77
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	226.30	59.72
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	266.82	71.67
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	315.69	88.98
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	350.19	95.55
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	382.35	102.12
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	407.37	109.89
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	428.86	119.44
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	500.23	131.39
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	550.25	143.33
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	673.96	161.24
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	750.17	179.16
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	850.10	197.08
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	1,000.20	238.88
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,198.01	298.60
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,395.77	358.32
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,595.96	406.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	181.56	61.87
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	213.51	73.93
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	247.82	86.00
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	321.72	114.66
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	395.61	143.33
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	469.53	171.99
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	577.31	213.92
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	650.56	226.46
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	737.65	245.93
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	871.77	263.72
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	1,000.28	286.65
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,154.92	315.32
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,535.13	343.99
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,951.18	386.99
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,545.31	430.11
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	3,008.87	473.10
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,567.73	573.32
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,329.06	716.64
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	5,089.93	859.74
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,803.26	974.28
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	155.43	61.87
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	182.64	73.93
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	212.17	86.00
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	269.48	114.66
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	326.75	143.33
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	388.87	171.99
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	480.03	213.92
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	519.84	226.46
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	613.95	245.81
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	701.11	263.96
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	805.47	286.65
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	924.02	315.09
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,154.72	343.75
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,403.17	387.35
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,769.29	430.34
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	2,070.85	473.10
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,470.60	573.32
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,970.71	716.64
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,496.10	858.07
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,952.74	975.23
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	236.96	92.32
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	280.35	111.20
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	321.85	128.99
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	417.28	171.99
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	510.82	213.92
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	609.99	259.18
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	737.32	314.13
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	804.08	339.93
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	924.14	369.31
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	1,039.27	395.58
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,191.71	430.11
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,358.43	473.10
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,607.82	515.86
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,917.81	580.72
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,500.11	645.22
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,964.11	709.84
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,571.48	860.57
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	4,285.81	1,075.45
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	4,999.46	1,289.84
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,643.47	1,462.56
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	201.32	92.32
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	237.57	111.20
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	272.02	128.99
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	348.50	171.99
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	423.03	213.92
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	507.93	259.18
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	609.35	314.36
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	661.06	339.69
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	724.91	369.43
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	783.38	395.95
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	855.01	430.34
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	945.22	473.10
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	1,042.15	515.63
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,176.27	580.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,313.51	645.58
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,443.81	709.60
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,726.92	858.07
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	2,116.15	1,077.36
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,555.03	1,290.79
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,865.02	1,462.56

23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer *(23 31 16 16-0001)*

23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	164.97	61.99
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	194.57	74.05
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	228.88	86.00
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	295.60	114.66
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	357.62	143.33
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	430.29	172.71
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	513.27	213.92
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	548.34	226.46
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	604.45	245.81
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	663.12	263.96
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	738.98	286.65
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	839.64	315.68
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	939.94	344.59
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	1,063.58	387.35
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,187.48	430.34
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,334.68	473.10
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,584.83	573.32
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,899.70	716.64
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	2,142.50	858.07
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,409.15	975.23

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer *(23 31 16 16-0001)*

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	193.47	61.99
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	213.57	74.05
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	247.88	86.00
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	321.72	114.66
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	395.61	143.33
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	470.67	172.71
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	565.52	213.92
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	614.83	226.46
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	670.94	245.81
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	753.36	263.96
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	938.46	286.65
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,131.73	315.68
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,215.41	344.59
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,381.80	387.35
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,500.94	430.34
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,643.40	473.10
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,834.17	573.32
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	2,134.80	716.64
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,403.72	858.07
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,646.63	975.23

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers *(23 31 16 16-0001)*

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	491.59	61.87
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	552.56	73.93
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	613.51	86.00
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	722.62	114.66
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	852.16	143.33
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	961.28	171.99
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	1,092.39	213.92
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,215.61	226.46
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,350.30	245.93
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,482.14	263.72
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,581.74	286.65
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,793.05	315.32
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	2,086.11	343.99
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,403.13	386.99
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,761.02	430.11
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	3,078.06	473.10
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,613.06	573.32
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	4,219.90	716.64
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	4,785.42	859.74
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	5,507.81	974.28

23 31 16 23 Fabric Ducts *(23 31 16)*

23 31 16 23-0001 Heavy-Duty Fabric Ducts (Zip-A-Duct™) *(23 31 16 23)*

23 31 16 23-0002 Heavy-Duty Fabric Duct Without Vents *(23 31 16 23-0001)*

Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.

23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	207.34	9.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	324.02	12.84
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	250.56	16.05
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	372.80	21.10
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	304.28	22.02
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	435.85	29.35
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	354.63	28.43
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	498.90	37.60
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	395.66	32.56
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	593.02	43.57
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	435.31	36.23
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	661.59	48.15
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	474.36	41.28
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	763.24	55.03
23 31 16 23-0017		**Heavy-Duty Fabric Duct With Vents** *(23 31 16 23-0001)*		
23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	561.71	12.84
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	624.75	21.10
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	699.68	29.35
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	777.00	37.60
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	935.29	43.57
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,003.86	48.15
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,134.04	55.03
23 31 16 23-0025		**Heavy-Duty Fabric Duct 90 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0026	EA	12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	419.50	13.76
23 31 16 23-0027	EA	16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	470.66	22.02
23 31 16 23-0028	EA	20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	635.47	23.85
23 31 16 23-0029	EA	24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	776.94	32.10
23 31 16 23-0030	EA	28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	980.60	35.77
23 31 16 23-0031	EA	32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,220.88	38.98
23 31 16 23-0032	EA	36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,387.02	43.57
23 31 16 23-0033		**Heavy-Duty Fabric Duct 45 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0034	EA	12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	322.05	13.76
23 31 16 23-0035	EA	16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	380.34	22.02
23 31 16 23-0036	EA	20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	426.30	23.85
23 31 16 23-0037	EA	24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	498.85	32.10
23 31 16 23-0038	EA	28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	576.53	35.77
23 31 16 23-0039	EA	32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	690.83	38.98
23 31 16 23-0040	EA	36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	787.93	43.57
23 31 16 23-0041		**Heavy-Duty Fabric Duct Tee** *(23 31 16 23-0001)*		
23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,024.14	32.10
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,078.63	34.40
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,171.82	46.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,233.66	51.83
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,280.82	56.41
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,344.45	63.29

23 31 16 23-0048 Heavy-Duty Fabric Duct Inlets *(23 31 16 23-0001)*

23 31 16 23-0049	EA	12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	167.55	13.76
23 31 16 23-0050	EA	16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	199.70	22.02
23 31 16 23-0051	EA	20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	214.76	23.85
23 31 16 23-0052	EA	24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	249.27	32.10
23 31 16 23-0053	EA	28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	267.53	35.77
23 31 16 23-0054	EA	32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	286.76	38.98
23 31 16 23-0055	EA	36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	314.92	43.57

23 31 16 23-0056 Heavy-Duty Fabric Duct Cap *(23 31 16 23-0001)*

23 31 16 23-0057	EA	12" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	98.58	8.26
23 31 16 23-0058	EA	16" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	125.75	13.30
23 31 16 23-0059	EA	20" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	147.54	14.22
23 31 16 23-0060	EA	24" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	205.61	19.26
23 31 16 23-0061	EA	28" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	245.84	21.55
23 31 16 23-0062	EA	32" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	306.06	23.39
23 31 16 23-0063	EA	36" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	345.30	26.14

23 31 16 23-0064 Heavy-Duty Fabric Duct Suspension Hardware *(23 31 16 23-0001)*

23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	39.61	6.95
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	61.66	10.42
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	14.92	3.47
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	0.87	0.14
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs	34.36	6.95
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	71.18	6.95
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	97.55	10.42
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	19.37	3.47
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	2.68	0.14
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs	45.86	6.95

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR) *(23 33 13 13)*

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	130.09	11.10
		For Stainless Steel, Add	*113.14*	
		For Parallel Blade Damper, Add	*34.81*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	138.24	12.48
		For Stainless Steel, Add	*114.78*	
		For Parallel Blade Damper, Add	*35.32*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	147.30	13.87
		For Stainless Steel, Add	*115.99*	
		For Parallel Blade Damper, Add	*35.69*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	158.83	16.65
		For Stainless Steel, Add	*123.24*	
		For Parallel Blade Damper, Add	*37.92*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	171.74	18.04
		For Stainless Steel, Add	*130.49*	
		For Parallel Blade Damper, Add	*40.15*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	206.30	19.43
		For Stainless Steel, Add	*166.74*	
		For Parallel Blade Damper, Add	*51.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	225.52	20.81
		For Stainless Steel, Add	*181.23*	
		For Parallel Blade Damper, Add	*55.76*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	237.45	23.58
		For Stainless Steel, Add	*188.45*	
		For Parallel Blade Damper, Add	*57.98*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	261.61	24.97
		For Stainless Steel, Add	*210.22*	
		For Parallel Blade Damper, Add	*64.68*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	309.33	27.75
		For Stainless Steel, Add	*260.98*	
		For Parallel Blade Damper, Add	*80.30*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	342.12	27.75
		For Stainless Steel, Add	*297.18*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	392.50	31.91
		For Stainless Steel, Add	*347.92*	
		For Parallel Blade Damper, Add	*107.05*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	423.06	33.30
		For Stainless Steel, Add	*379.12*	
		For Parallel Blade Damper, Add	*116.65*	

23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	151.51	15.43
		For Stainless Steel, Add	*136.81*	
		For Parallel Blade Damper, Add	*42.10*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	161.08	16.12
		For Stainless Steel, Add	*146.52*	
		For Parallel Blade Damper, Add	*45.08*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.87	16.26
		For Stainless Steel, Add	*156.30*	
		For Parallel Blade Damper, Add	*48.09*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.87	16.26
		For Stainless Steel, Add	*156.30*	
		For Parallel Blade Damper, Add	*48.09*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.79	16.68
		For Stainless Steel, Add	*166.09*	
		For Parallel Blade Damper, Add	*51.10*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	198.35	18.49
		For Stainless Steel, Add	*185.59*	
		For Parallel Blade Damper, Add	*57.10*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.79	16.68
		For Stainless Steel, Add	*166.09*	
		For Parallel Blade Damper, Add	*51.10*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.57	17.65
		For Stainless Steel, Add	*185.59*	
		For Parallel Blade Damper, Add	*57.10*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.92	18.49
		For Stainless Steel, Add	*195.43*	
		For Parallel Blade Damper, Add	*60.13*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.57	20.85
		For Stainless Steel, Add	*214.54*	
		For Parallel Blade Damper, Add	*66.01*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	191.86	17.65
		For Stainless Steel, Add	*180.77*	
		For Parallel Blade Damper, Add	*55.62*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.92	18.49
		For Stainless Steel, Add	*195.43*	
		For Parallel Blade Damper, Add	*60.13*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.22	19.45
		For Stainless Steel, Add	*205.22*	
		For Parallel Blade Damper, Add	*63.14*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.92	20.85
		For Stainless Steel, Add	*214.99*	
		For Parallel Blade Damper, Add	*66.15*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.63	23.21
		For Stainless Steel, Add	*239.38*	
		For Parallel Blade Damper, Add	*73.66*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.92	18.49
		For Stainless Steel, Add	*195.43*	
		For Parallel Blade Damper, Add	*60.13*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.62	19.87
		For Stainless Steel, Add	*205.22*	
		For Parallel Blade Damper, Add	*63.14*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	230.69	21.81
		For Stainless Steel, Add	*214.99*	
		For Parallel Blade Damper, Add	*66.15*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	242.34	23.21
		For Stainless Steel, Add	*224.71*	
		For Parallel Blade Damper, Add	*69.14*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.16	25.43
		For Stainless Steel, Add	*249.24*	
		For Parallel Blade Damper, Add	*76.69*	
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	293.87	27.80
		For Stainless Steel, Add	*273.62*	
		For Parallel Blade Damper, Add	*84.19*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.22	19.45
		For Stainless Steel, Add	*205.22*	
		For Parallel Blade Damper, Add	*63.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	231.63	20.85
		For Stainless Steel, Add	*219.82*	
		For Parallel Blade Damper, Add	*67.64*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	249.92	23.21
		For Stainless Steel, Add	*234.56*	
		For Parallel Blade Damper, Add	*72.17*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.68	25.43
		For Stainless Steel, Add	*259.01*	
		For Parallel Blade Damper, Add	*79.70*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	297.63	27.80
		For Stainless Steel, Add	*278.51*	
		For Parallel Blade Damper, Add	*85.70*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	312.74	30.02
		For Stainless Steel, Add	*289.13*	
		For Parallel Blade Damper, Add	*88.96*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.45	32.38
		For Stainless Steel, Add	*303.13*	
		For Parallel Blade Damper, Add	*93.27*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	212.89	20.85
		For Stainless Steel, Add	*195.46*	
		For Parallel Blade Damper, Add	*60.14*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.47	23.21
		For Stainless Steel, Add	*213.17*	
		For Parallel Blade Damper, Add	*65.59*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	254.10	25.43
		For Stainless Steel, Add	*230.96*	
		For Parallel Blade Damper, Add	*71.06*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.41	27.80
		For Stainless Steel, Add	*266.53*	
		For Parallel Blade Damper, Add	*82.01*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	305.61	30.02
		For Stainless Steel, Add	*279.86*	
		For Parallel Blade Damper, Add	*86.11*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	322.81	32.38
		For Stainless Steel, Add	*293.20*	
		For Parallel Blade Damper, Add	*90.22*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	343.40	34.74
		For Stainless Steel, Add	*310.93*	
		For Parallel Blade Damper, Add	*95.67*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	363.98	36.97
		For Stainless Steel, Add	*328.65*	
		For Parallel Blade Damper, Add	*101.12*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.31	23.21
		For Stainless Steel, Add	*222.07*	
		For Parallel Blade Damper, Add	*68.33*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.78	25.43
		For Stainless Steel, Add	*248.74*	
		For Parallel Blade Damper, Add	*76.54*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.41	27.80
		For Stainless Steel, Add	*266.53*	
		For Parallel Blade Damper, Add	*82.01*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	315.87	30.02
		For Stainless Steel, Add	*293.20*	
		For Parallel Blade Damper, Add	*90.22*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.03	32.38
		For Stainless Steel, Add	*306.49*	
		For Parallel Blade Damper, Add	*94.30*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.24	34.74
		For Stainless Steel, Add	*319.83*	
		For Parallel Blade Damper, Add	*98.41*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	377.66	36.97
		For Stainless Steel, Add	*346.44*	
		For Parallel Blade Damper, Add	*106.60*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	412.04	41.69
		For Stainless Steel, Add	*373.06*	
		For Parallel Blade Damper, Add	*114.79*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	453.34	46.27
		For Stainless Steel, Add	*408.68*	
		For Parallel Blade Damper, Add	*125.75*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.78	25.43
		For Stainless Steel, Add	*248.74*	
		For Parallel Blade Damper, Add	*76.54*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.41	27.80
		For Stainless Steel, Add	*266.53*	
		For Parallel Blade Damper, Add	*82.01*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	315.87	30.02
		For Stainless Steel, Add	*293.20*	
		For Parallel Blade Damper, Add	*90.22*	
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.45	32.38
		For Stainless Steel, Add	*310.93*	
		For Parallel Blade Damper, Add	*95.67*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.45	34.74
		For Stainless Steel, Add	*333.10*	
		For Parallel Blade Damper, Add	*102.49*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	384.45	36.97
		For Stainless Steel, Add	*355.26*	
		For Parallel Blade Damper, Add	*109.31*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	418.88	41.69
		For Stainless Steel, Add	*381.95*	
		For Parallel Blade Damper, Add	*117.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	453.34	46.27
		For Stainless Steel, Add	*408.68*	
		For Parallel Blade Damper, Add	*125.75*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.24	48.64
		For Stainless Steel, Add	*461.92*	
		For Parallel Blade Damper, Add	*142.13*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.29	53.22
		For Stainless Steel, Add	*506.32*	
		For Parallel Blade Damper, Add	*155.79*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	308.93	27.80
		For Stainless Steel, Add	*293.20*	
		For Parallel Blade Damper, Add	*90.22*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	322.67	30.02
		For Stainless Steel, Add	*302.04*	
		For Parallel Blade Damper, Add	*92.94*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.45	32.38
		For Stainless Steel, Add	*310.93*	
		For Parallel Blade Damper, Add	*95.67*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	357.03	34.74
		For Stainless Steel, Add	*328.65*	
		For Parallel Blade Damper, Add	*101.12*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	385.78	36.97
		For Stainless Steel, Add	*356.99*	
		For Parallel Blade Damper, Add	*109.84*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	418.88	41.69
		For Stainless Steel, Add	*381.95*	
		For Parallel Blade Damper, Add	*117.52*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	460.19	46.27
		For Stainless Steel, Add	*417.59*	
		For Parallel Blade Damper, Add	*128.49*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.39	50.86
		For Stainless Steel, Add	*453.09*	
		For Parallel Blade Damper, Add	*139.41*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.29	53.22
		For Stainless Steel, Add	*506.32*	
		For Parallel Blade Damper, Add	*155.79*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	608.29	56.97
		For Stainless Steel, Add	*568.57*	
		For Parallel Blade Damper, Add	*174.94*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	672.70	60.17
		For Stainless Steel, Add	*639.65*	
		For Parallel Blade Damper, Add	*196.82*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.35	30.02
		For Stainless Steel, Add	*319.83*	
		For Parallel Blade Damper, Add	*98.41*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.92	32.38
		For Stainless Steel, Add	*337.55*	
		For Parallel Blade Damper, Add	*103.86*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	377.50	34.74
		For Stainless Steel, Add	*355.26*	
		For Parallel Blade Damper, Add	*109.31*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.98	36.97
		For Stainless Steel, Add	*381.95*	
		For Parallel Blade Damper, Add	*117.52*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	429.18	41.69
		For Stainless Steel, Add	*395.34*	
		For Parallel Blade Damper, Add	*121.64*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.39	43.91
		For Stainless Steel, Add	*408.68*	
		For Parallel Blade Damper, Add	*125.75*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.39	50.86
		For Stainless Steel, Add	*453.09*	
		For Parallel Blade Damper, Add	*139.41*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.40	55.59
		For Stainless Steel, Add	*497.43*	
		For Parallel Blade Damper, Add	*153.06*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	596.00	57.40
		For Stainless Steel, Add	*550.78*	
		For Parallel Blade Damper, Add	*169.47*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	663.14	61.56
		For Stainless Steel, Add	*621.80*	
		For Parallel Blade Damper, Add	*191.32*	
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	720.70	64.76
		For Stainless Steel, Add	*683.98*	
		For Parallel Blade Damper, Add	*210.46*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	782.33	67.12
		For Stainless Steel, Add	*755.07*	
		For Parallel Blade Damper, Add	*232.33*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.08	34.74
		For Stainless Steel, Add	*328.65*	
		For Parallel Blade Damper, Add	*101.12*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	384.35	36.97
		For Stainless Steel, Add	*364.17*	
		For Parallel Blade Damper, Add	*112.05*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	398.14	39.32
		For Stainless Steel, Add	*373.06*	
		For Parallel Blade Damper, Add	*114.79*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	411.93	41.69
		For Stainless Steel, Add	*381.95*	
		For Parallel Blade Damper, Add	*117.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.77	43.91
		For Stainless Steel, Add	*413.08*	
		For Parallel Blade Damper, Add	*127.10*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.66	46.27
		For Stainless Steel, Add	*444.20*	
		For Parallel Blade Damper, Add	*136.68*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	528.81	53.22
		For Stainless Steel, Add	*479.70*	
		For Parallel Blade Damper, Add	*147.60*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	570.07	57.81
		For Stainless Steel, Add	*515.27*	
		For Parallel Blade Damper, Add	*158.54*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	622.19	61.56
		For Stainless Steel, Add	*568.57*	
		For Parallel Blade Damper, Add	*174.94*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	707.07	64.76
		For Stainless Steel, Add	*666.26*	
		For Parallel Blade Damper, Add	*205.00*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	759.13	68.51
		For Stainless Steel, Add	*719.50*	
		For Parallel Blade Damper, Add	*221.38*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	839.88	70.32
		For Stainless Steel, Add	*817.25*	
		For Parallel Blade Damper, Add	*251.46*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	919.36	74.07
		For Stainless Steel, Add	*906.11*	
		For Parallel Blade Damper, Add	*278.80*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	370.71	34.74
		For Stainless Steel, Add	*346.44*	
		For Parallel Blade Damper, Add	*106.60*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.98	36.97
		For Stainless Steel, Add	*381.95*	
		For Parallel Blade Damper, Add	*117.52*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	432.49	39.32
		For Stainless Steel, Add	*408.68*	
		For Parallel Blade Damper, Add	*125.75*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.29	41.69
		For Stainless Steel, Add	*417.59*	
		For Parallel Blade Damper, Add	*128.49*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.55	43.91
		For Stainless Steel, Add	*453.09*	
		For Parallel Blade Damper, Add	*139.41*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.81	46.27
		For Stainless Steel, Add	*488.59*	
		For Parallel Blade Damper, Add	*150.34*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	576.81	55.59
		For Stainless Steel, Add	*533.07*	
		For Parallel Blade Damper, Add	*164.02*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	624.81	60.17
		For Stainless Steel, Add	*577.40*	
		For Parallel Blade Damper, Add	*177.66*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	707.07	64.76
		For Stainless Steel, Add	*666.26*	
		For Parallel Blade Damper, Add	*205.00*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	782.49	69.49
		For Stainless Steel, Add	*746.24*	
		For Parallel Blade Damper, Add	*229.61*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	864.64	74.07
		For Stainless Steel, Add	*834.98*	
		For Parallel Blade Damper, Add	*256.92*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	933.10	76.29
		For Stainless Steel, Add	*914.94*	
		For Parallel Blade Damper, Add	*281.52*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,001.57	78.66
		For Stainless Steel, Add	*994.92*	
		For Parallel Blade Damper, Add	*306.13*	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,070.04	81.02
		For Stainless Steel, Add	*1,074.89*	
		For Parallel Blade Damper, Add	*330.74*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	398.14	36.97
		For Stainless Steel, Add	*373.06*	
		For Parallel Blade Damper, Add	*114.79*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	432.49	39.32
		For Stainless Steel, Add	*408.68*	
		For Parallel Blade Damper, Add	*125.75*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.29	41.69
		For Stainless Steel, Add	*417.59*	
		For Parallel Blade Damper, Add	*128.49*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.66	46.27
		For Stainless Steel, Add	*444.20*	
		For Parallel Blade Damper, Add	*136.68*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	521.86	50.86
		For Stainless Steel, Add	*479.70*	
		For Parallel Blade Damper, Add	*147.60*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	563.12	55.59
		For Stainless Steel, Add	*515.27*	
		For Parallel Blade Damper, Add	*158.54*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	618.02	60.17
		For Stainless Steel, Add	*568.57*	
		For Parallel Blade Damper, Add	*174.94*	

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23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	672.87	64.76
		For Stainless Steel, Add	*621.80*	
		For Parallel Blade Damper, Add	*191.32*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	748.28	69.49
		For Stainless Steel, Add	*701.77*	
		For Parallel Blade Damper, Add	*215.93*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	837.32	74.07
		For Stainless Steel, Add	*799.46*	
		For Parallel Blade Damper, Add	*245.99*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	905.84	76.29
		For Stainless Steel, Add	*879.50*	
		For Parallel Blade Damper, Add	*270.62*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	994.73	78.66
		For Stainless Steel, Add	*986.02*	
		For Parallel Blade Damper, Add	*303.39*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,070.15	83.24
		For Stainless Steel, Add	*1,066.00*	
		For Parallel Blade Damper, Add	*328.00*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,159.09	85.61
		For Stainless Steel, Add	*1,172.59*	
		For Parallel Blade Damper, Add	*360.80*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,234.59	92.56
		For Stainless Steel, Add	*1,243.66*	
		For Parallel Blade Damper, Add	*382.66*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	425.65	39.32
		For Stainless Steel, Add	*399.79*	
		For Parallel Blade Damper, Add	*123.01*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.92	41.69
		For Stainless Steel, Add	*435.31*	
		For Parallel Blade Damper, Add	*133.94*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.13	46.27
		For Stainless Steel, Add	*470.81*	
		For Parallel Blade Damper, Add	*144.86*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	521.86	50.86
		For Stainless Steel, Add	*479.70*	
		For Parallel Blade Damper, Add	*147.60*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	566.55	55.59
		For Stainless Steel, Add	*519.73*	
		For Parallel Blade Damper, Add	*159.92*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	611.18	60.17
		For Stainless Steel, Add	*559.68*	
		For Parallel Blade Damper, Add	*172.21*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	666.07	64.76
		For Stainless Steel, Add	*612.96*	
		For Parallel Blade Damper, Add	*188.60*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	720.97	69.49
		For Stainless Steel, Add	*666.26*	
		For Parallel Blade Damper, Add	*205.00*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	796.38	74.07
		For Stainless Steel, Add	*746.24*	
		For Parallel Blade Damper, Add	*229.61*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	892.22	78.66
		For Stainless Steel, Add	*852.76*	
		For Parallel Blade Damper, Add	*262.39*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	967.48	81.02
		For Stainless Steel, Add	*941.56*	
		For Parallel Blade Damper, Add	*289.71*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,063.31	83.24
		For Stainless Steel, Add	*1,057.11*	
		For Parallel Blade Damper, Add	*325.26*	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,159.15	87.97
		For Stainless Steel, Add	*1,163.63*	
		For Parallel Blade Damper, Add	*358.04*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,234.59	92.56
		For Stainless Steel, Add	*1,243.66*	
		For Parallel Blade Damper, Add	*382.66*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,337.43	99.50
		For Stainless Steel, Add	*1,350.25*	
		For Parallel Blade Damper, Add	*415.46*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,419.69	104.08
		For Stainless Steel, Add	*1,439.11*	
		For Parallel Blade Damper, Add	*442.80*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.29	41.69
		For Stainless Steel, Add	*417.59*	
		For Parallel Blade Damper, Add	*128.49*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	494.29	46.27
		For Stainless Steel, Add	*461.92*	
		For Parallel Blade Damper, Add	*142.13*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	528.70	50.86
		For Stainless Steel, Add	*488.59*	
		For Parallel Blade Damper, Add	*150.34*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.40	55.59
		For Stainless Steel, Add	*497.43*	
		For Parallel Blade Damper, Add	*153.06*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	600.92	60.17
		For Stainless Steel, Add	*546.34*	
		For Parallel Blade Damper, Add	*168.10*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	652.39	64.76
		For Stainless Steel, Add	*595.18*	
		For Parallel Blade Damper, Add	*183.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	703.87	69.49
		For Stainless Steel, Add	*644.03*	
		For Parallel Blade Damper, Add	*198.16*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	755.33	74.07
		For Stainless Steel, Add	*692.87*	
		For Parallel Blade Damper, Add	*213.19*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	851.22	78.66
		For Stainless Steel, Add	*799.46*	
		For Parallel Blade Damper, Add	*245.99*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	940.21	81.02
		For Stainless Steel, Add	*906.11*	
		For Parallel Blade Damper, Add	*278.80*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,022.31	83.24
		For Stainless Steel, Add	*1,003.81*	
		For Parallel Blade Damper, Add	*308.86*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,131.88	87.97
		For Stainless Steel, Add	*1,128.18*	
		For Parallel Blade Damper, Add	*347.13*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,227.75	92.56
		For Stainless Steel, Add	*1,234.77*	
		For Parallel Blade Damper, Add	*379.93*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,330.48	97.14
		For Stainless Steel, Add	*1,350.25*	
		For Parallel Blade Damper, Add	*415.46*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,412.74	101.86
		For Stainless Steel, Add	*1,439.11*	
		For Parallel Blade Damper, Add	*442.80*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,515.47	106.45
		For Stainless Steel, Add	*1,554.59*	
		For Parallel Blade Damper, Add	*478.34*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,618.20	111.03
		For Stainless Steel, Add	*1,670.07*	
		For Parallel Blade Damper, Add	*513.87*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.66	46.27
		For Stainless Steel, Add	*444.20*	
		For Parallel Blade Damper, Add	*136.68*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	528.70	50.86
		For Stainless Steel, Add	*488.59*	
		For Parallel Blade Damper, Add	*150.34*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	556.24	55.59
		For Stainless Steel, Add	*506.32*	
		For Parallel Blade Damper, Add	*155.79*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	577.02	60.17
		For Stainless Steel, Add	*515.27*	
		For Parallel Blade Damper, Add	*158.54*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	631.92	64.76
		For Stainless Steel, Add	*568.57*	
		For Parallel Blade Damper, Add	*174.94*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	686.77	69.49
		For Stainless Steel, Add	*621.80*	
		For Parallel Blade Damper, Add	*191.32*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	745.07	74.07
		For Stainless Steel, Add	*679.54*	
		For Parallel Blade Damper, Add	*209.09*	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	803.39	78.66
		For Stainless Steel, Add	*737.28*	
		For Parallel Blade Damper, Add	*226.86*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	899.17	81.02
		For Stainless Steel, Add	*852.76*	
		For Parallel Blade Damper, Add	*262.39*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	988.11	83.24
		For Stainless Steel, Add	*959.35*	
		For Parallel Blade Damper, Add	*295.18*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,090.89	87.97
		For Stainless Steel, Add	*1,074.89*	
		For Parallel Blade Damper, Add	*330.74*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,193.60	92.56
		For Stainless Steel, Add	*1,190.37*	
		For Parallel Blade Damper, Add	*366.27*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,275.81	97.14
		For Stainless Steel, Add	*1,279.17*	
		For Parallel Blade Damper, Add	*393.59*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,399.01	101.86
		For Stainless Steel, Add	*1,421.26*	
		For Parallel Blade Damper, Add	*437.31*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,508.58	106.45
		For Stainless Steel, Add	*1,545.64*	
		For Parallel Blade Damper, Add	*475.58*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,618.20	111.03
		For Stainless Steel, Add	*1,670.07*	
		For Parallel Blade Damper, Add	*513.87*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,713.99	115.76
		For Stainless Steel, Add	*1,776.54*	
		For Parallel Blade Damper, Add	*546.63*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,809.97	120.35
		For Stainless Steel, Add	*1,883.25*	
		For Parallel Blade Damper, Add	*579.46*	

23 33 13 16 Fire Dampers *(23 33 13)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0001		**Fire Dampers** *(23 33 13 16)*		
23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	156.11	15.01
		For Smoke Damper, Add	*94.30*	
		For Spring Activated Horizontal Mount Operation, Add	*24.96*	
		For Dynamic Damper, Add	*59.91*	
		For 3 Hour Rated, Add	*33.28*	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	216.63	15.01
		For Smoke Damper, Add	*145.74*	
		For Spring Activated Horizontal Mount Operation, Add	*38.58*	
		For Dynamic Damper, Add	*92.59*	
		For 3 Hour Rated, Add	*51.44*	
23 33 13 16-0004		**Folding Curtain Fire Dampers** *(23 33 13 16)*		
		Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.76	15.43
		For Spring Activated Horizontal Mount Operation, Add	*8.21*	
		For Dynamic Damper, Add	*19.70*	
		For 3 Hour Rated, Add	*10.95*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.12*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.45	16.12
		For Spring Activated Horizontal Mount Operation, Add	*8.79*	
		For Dynamic Damper, Add	*21.10*	
		For 3 Hour Rated, Add	*11.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.77*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.33	16.26
		For Spring Activated Horizontal Mount Operation, Add	*9.38*	
		For Dynamic Damper, Add	*22.51*	
		For 3 Hour Rated, Add	*12.51*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.42*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.33	16.26
		For Spring Activated Horizontal Mount Operation, Add	*9.38*	
		For Dynamic Damper, Add	*22.51*	
		For 3 Hour Rated, Add	*12.51*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.42*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.33	16.68
		For Spring Activated Horizontal Mount Operation, Add	*9.97*	
		For Dynamic Damper, Add	*23.92*	
		For 3 Hour Rated, Add	*13.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.08*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.10	18.49
		For Spring Activated Horizontal Mount Operation, Add	*11.14*	
		For Dynamic Damper, Add	*26.74*	
		For 3 Hour Rated, Add	*14.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.38*	
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.33	16.68
		For Spring Activated Horizontal Mount Operation, Add	*9.97*	
		For Dynamic Damper, Add	*23.92*	
		For 3 Hour Rated, Add	*13.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.08*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.32	17.65
		For Spring Activated Horizontal Mount Operation, Add	*11.14*	
		For Dynamic Damper, Add	*26.74*	
		For 3 Hour Rated, Add	*14.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.38*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.71	18.49
		For Spring Activated Horizontal Mount Operation, Add	*11.73*	
		For Dynamic Damper, Add	*28.14*	
		For 3 Hour Rated, Add	*15.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.03*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.27	20.85
		For Spring Activated Horizontal Mount Operation, Add	*12.31*	
		For Dynamic Damper, Add	*29.55*	
		For 3 Hour Rated, Add	*16.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.68*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.02	17.65
		For Spring Activated Horizontal Mount Operation, Add	*10.85*	
		For Dynamic Damper, Add	*26.03*	
		For 3 Hour Rated, Add	*14.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.05*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.71	18.49
		For Spring Activated Horizontal Mount Operation, Add	*11.73*	
		For Dynamic Damper, Add	*28.14*	
		For 3 Hour Rated, Add	*15.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.03*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.09	19.45
		For Spring Activated Horizontal Mount Operation, Add	*12.31*	
		For Dynamic Damper, Add	*29.55*	
		For 3 Hour Rated, Add	*16.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.68*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.88	20.85
		For Spring Activated Horizontal Mount Operation, Add	*12.90*	
		For Dynamic Damper, Add	*30.96*	
		For 3 Hour Rated, Add	*17.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.35	23.21
		For Spring Activated Horizontal Mount Operation, Add	*14.37*	
		For Dynamic Damper, Add	*34.48*	
		For 3 Hour Rated, Add	*19.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.97*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.71	18.49
		For Spring Activated Horizontal Mount Operation, Add	*11.73*	
		For Dynamic Damper, Add	*28.14*	
		For 3 Hour Rated, Add	*15.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.03*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.49	19.87
		For Spring Activated Horizontal Mount Operation, Add	*12.31*	
		For Dynamic Damper, Add	*29.55*	
		For 3 Hour Rated, Add	*16.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.68*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.65	21.81
		For Spring Activated Horizontal Mount Operation, Add	*12.90*	
		For Dynamic Damper, Add	*30.96*	
		For 3 Hour Rated, Add	*17.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.34*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.42	23.21
		For Spring Activated Horizontal Mount Operation, Add	*13.48*	
		For Dynamic Damper, Add	*32.36*	
		For 3 Hour Rated, Add	*17.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.98*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.91	25.43
		For Spring Activated Horizontal Mount Operation, Add	*14.96*	
		For Dynamic Damper, Add	*35.89*	
		For 3 Hour Rated, Add	*19.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.62*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.37	27.80
		For Spring Activated Horizontal Mount Operation, Add	*16.42*	
		For Dynamic Damper, Add	*39.41*	
		For 3 Hour Rated, Add	*21.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.25*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.09	19.45
		For Spring Activated Horizontal Mount Operation, Add	*12.31*	
		For Dynamic Damper, Add	*29.55*	
		For 3 Hour Rated, Add	*16.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.68*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.17	20.85
		For Spring Activated Horizontal Mount Operation, Add	*13.19*	
		For Dynamic Damper, Add	*31.66*	
		For 3 Hour Rated, Add	*17.59*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.66*	
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.05	23.21
		For Spring Activated Horizontal Mount Operation, Add	*14.08*	
		For Dynamic Damper, Add	*33.78*	
		For 3 Hour Rated, Add	*18.77*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.64*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.52	25.43
		For Spring Activated Horizontal Mount Operation, Add	*15.54*	
		For Dynamic Damper, Add	*37.30*	
		For 3 Hour Rated, Add	*20.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.27*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.67	27.80
		For Spring Activated Horizontal Mount Operation, Add	*16.71*	
		For Dynamic Damper, Add	*40.11*	
		For 3 Hour Rated, Add	*22.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.57*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.13	30.02
		For Spring Activated Horizontal Mount Operation, Add	*18.18*	
		For Dynamic Damper, Add	*43.63*	
		For 3 Hour Rated, Add	*24.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.20*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.97	32.38
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.88	20.85
		For Spring Activated Horizontal Mount Operation, Add	*12.90*	
		For Dynamic Damper, Add	*30.96*	
		For 3 Hour Rated, Add	*17.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.34*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.03	23.21
		For Spring Activated Horizontal Mount Operation, Add	*14.07*	
		For Dynamic Damper, Add	*33.77*	
		For 3 Hour Rated, Add	*18.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.64*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.20	25.43
		For Spring Activated Horizontal Mount Operation, Add	*15.25*	
		For Dynamic Damper, Add	*36.59*	
		For 3 Hour Rated, Add	*20.33*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.94*	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.60	27.80
		For Spring Activated Horizontal Mount Operation, Add	*17.60*	
		For Dynamic Damper, Add	*42.23*	
		For 3 Hour Rated, Add	*23.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.44	30.02
		For Spring Activated Horizontal Mount Operation, Add	*18.47*	
		For Dynamic Damper, Add	*44.34*	
		For 3 Hour Rated, Add	*24.63*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.53*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.29	32.38
		For Spring Activated Horizontal Mount Operation, Add	*19.35*	
		For Dynamic Damper, Add	*46.45*	
		For 3 Hour Rated, Add	*25.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.51*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.44	34.74
		For Spring Activated Horizontal Mount Operation, Add	*20.52*	
		For Dynamic Damper, Add	*49.26*	
		For 3 Hour Rated, Add	*27.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.81*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.59	36.97
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.07*	
		For 3 Hour Rated, Add	*28.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.11*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.64	23.21
		For Spring Activated Horizontal Mount Operation, Add	*14.66*	
		For Dynamic Damper, Add	*35.18*	
		For 3 Hour Rated, Add	*19.55*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.29*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.42	25.43
		For Spring Activated Horizontal Mount Operation, Add	*16.42*	
		For Dynamic Damper, Add	*39.41*	
		For 3 Hour Rated, Add	*21.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.25*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.60	27.80
		For Spring Activated Horizontal Mount Operation, Add	*17.60*	
		For Dynamic Damper, Add	*42.23*	
		For 3 Hour Rated, Add	*23.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.55*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.35	30.02
		For Spring Activated Horizontal Mount Operation, Add	*19.35*	
		For Dynamic Damper, Add	*46.45*	
		For 3 Hour Rated, Add	*25.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.51*	
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.19	32.38
		For Spring Activated Horizontal Mount Operation, Add	*20.23*	
		For Dynamic Damper, Add	*48.56*	
		For 3 Hour Rated, Add	*26.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.48*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.05	34.74
		For Spring Activated Horizontal Mount Operation, Add	*21.11*	
		For Dynamic Damper, Add	*50.67*	
		For 3 Hour Rated, Add	*28.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.46*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.81	36.97
		For Spring Activated Horizontal Mount Operation, Add	*22.87*	
		For Dynamic Damper, Add	*54.89*	
		For 3 Hour Rated, Add	*30.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.41*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.53	41.69
		For Spring Activated Horizontal Mount Operation, Add	*24.63*	
		For Dynamic Damper, Add	*59.11*	
		For 3 Hour Rated, Add	*32.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.37*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.87	46.27
		For Spring Activated Horizontal Mount Operation, Add	*26.98*	
		For Dynamic Damper, Add	*64.75*	
		For 3 Hour Rated, Add	*35.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.98*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.42	25.43
		For Spring Activated Horizontal Mount Operation, Add	*16.42*	
		For Dynamic Damper, Add	*39.41*	
		For 3 Hour Rated, Add	*21.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.25*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.60	27.80
		For Spring Activated Horizontal Mount Operation, Add	*17.60*	
		For Dynamic Damper, Add	*42.23*	
		For 3 Hour Rated, Add	*23.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.55*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.35	30.02
		For Spring Activated Horizontal Mount Operation, Add	*19.35*	
		For Dynamic Damper, Add	*46.45*	
		For 3 Hour Rated, Add	*25.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.51*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.49	32.38
		For Spring Activated Horizontal Mount Operation, Add	*20.52*	
		For Dynamic Damper, Add	*49.26*	
		For 3 Hour Rated, Add	*27.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.81*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.96	34.74
		For Spring Activated Horizontal Mount Operation, Add	*21.99*	
		For Dynamic Damper, Add	*52.78*	
		For 3 Hour Rated, Add	*29.32*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.40	36.97
		For Spring Activated Horizontal Mount Operation, Add	*23.45*	
		For Dynamic Damper, Add	*56.28*	
		For 3 Hour Rated, Add	*31.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.06*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.14	41.69
		For Spring Activated Horizontal Mount Operation, Add	*25.22*	
		For Dynamic Damper, Add	*60.52*	
		For 3 Hour Rated, Add	*33.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.02*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.87	46.27
		For Spring Activated Horizontal Mount Operation, Add	*26.98*	
		For Dynamic Damper, Add	*64.75*	
		For 3 Hour Rated, Add	*35.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.98*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.44	48.64
		For Spring Activated Horizontal Mount Operation, Add	*30.49*	
		For Dynamic Damper, Add	*73.18*	
		For 3 Hour Rated, Add	*40.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.88*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.37	53.22
		For Spring Activated Horizontal Mount Operation, Add	*33.43*	
		For Dynamic Damper, Add	*80.22*	
		For 3 Hour Rated, Add	*44.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.14*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.41	27.80
		For Spring Activated Horizontal Mount Operation, Add	*19.35*	
		For Dynamic Damper, Add	*46.45*	
		For 3 Hour Rated, Add	*25.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.51*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.94	30.02
		For Spring Activated Horizontal Mount Operation, Add	*19.94*	
		For Dynamic Damper, Add	*47.85*	
		For 3 Hour Rated, Add	*26.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.15*	
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.49	32.38
		For Spring Activated Horizontal Mount Operation, Add	*20.52*	
		For Dynamic Damper, Add	*49.26*	
		For 3 Hour Rated, Add	*27.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.81*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.64	34.74
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.07*	
		For 3 Hour Rated, Add	*28.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.11*	
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.90	36.97
		For Spring Activated Horizontal Mount Operation, Add	*23.56*	
		For Dynamic Damper, Add	*56.55*	
		For 3 Hour Rated, Add	*31.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.18*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.14	41.69
		For Spring Activated Horizontal Mount Operation, Add	*25.22*	
		For Dynamic Damper, Add	*60.52*	
		For 3 Hour Rated, Add	*33.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.02*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.48	46.27
		For Spring Activated Horizontal Mount Operation, Add	*27.56*	
		For Dynamic Damper, Add	*66.16*	
		For 3 Hour Rated, Add	*36.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.63*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.79	50.86
		For Spring Activated Horizontal Mount Operation, Add	*29.91*	
		For Dynamic Damper, Add	*71.78*	
		For 3 Hour Rated, Add	*39.88*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.23*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.37	53.22
		For Spring Activated Horizontal Mount Operation, Add	*33.43*	
		For Dynamic Damper, Add	*80.22*	
		For 3 Hour Rated, Add	*44.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.14*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.74	56.97
		For Spring Activated Horizontal Mount Operation, Add	*37.53*	
		For Dynamic Damper, Add	*90.08*	
		For 3 Hour Rated, Add	*50.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.70*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.32	60.17
		For Spring Activated Horizontal Mount Operation, Add	*42.22*	
		For Dynamic Damper, Add	*101.34*	
		For 3 Hour Rated, Add	*56.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*46.92*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.16	30.02
		For Spring Activated Horizontal Mount Operation, Add	*21.11*	
		For Dynamic Damper, Add	*50.67*	
		For 3 Hour Rated, Add	*28.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.46*	
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.30	32.38
		For Spring Activated Horizontal Mount Operation, Add	*22.28*	
		For Dynamic Damper, Add	*53.48*	
		For 3 Hour Rated, Add	*29.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.45	34.74
		For Spring Activated Horizontal Mount Operation, Add	*23.45*	
		For Dynamic Damper, Add	*56.28*	
		For 3 Hour Rated, Add	*31.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.06*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.24	36.97
		For Spring Activated Horizontal Mount Operation, Add	*25.22*	
		For Dynamic Damper, Add	*60.52*	
		For 3 Hour Rated, Add	*33.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.02*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.06	41.69
		For Spring Activated Horizontal Mount Operation, Add	*26.10*	
		For Dynamic Damper, Add	*62.63*	
		For 3 Hour Rated, Add	*34.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.00*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.92	43.91
		For Spring Activated Horizontal Mount Operation, Add	*26.98*	
		For Dynamic Damper, Add	*64.75*	
		For 3 Hour Rated, Add	*35.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.98*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.79	50.86
		For Spring Activated Horizontal Mount Operation, Add	*29.91*	
		For Dynamic Damper, Add	*71.78*	
		For 3 Hour Rated, Add	*39.88*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.23*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.71	55.59
		For Spring Activated Horizontal Mount Operation, Add	*32.84*	
		For Dynamic Damper, Add	*78.81*	
		For 3 Hour Rated, Add	*43.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.49*	
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.66	57.40
		For Spring Activated Horizontal Mount Operation, Add	*20.78*	
		For Dynamic Damper, Add	*49.86*	
		For 3 Hour Rated, Add	*27.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.09*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.27	61.56
		For Spring Activated Horizontal Mount Operation, Add	*41.05*	
		For Dynamic Damper, Add	*98.52*	
		For 3 Hour Rated, Add	*54.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.61*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.24	64.76
		For Spring Activated Horizontal Mount Operation, Add	*45.15*	
		For Dynamic Damper, Add	*108.37*	
		For 3 Hour Rated, Add	*60.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*50.17*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.03	67.12
		For Spring Activated Horizontal Mount Operation, Add	*49.84*	
		For Dynamic Damper, Add	*119.62*	
		For 3 Hour Rated, Add	*66.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*55.38*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.69	34.74
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.07*	
		For 3 Hour Rated, Add	*28.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.11*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.06	36.97
		For Spring Activated Horizontal Mount Operation, Add	*24.04*	
		For Dynamic Damper, Add	*57.69*	
		For 3 Hour Rated, Add	*32.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.71*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.63	39.32
		For Spring Activated Horizontal Mount Operation, Add	*24.63*	
		For Dynamic Damper, Add	*59.11*	
		For 3 Hour Rated, Add	*32.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.37*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.19	41.69
		For Spring Activated Horizontal Mount Operation, Add	*25.22*	
		For Dynamic Damper, Add	*60.52*	
		For 3 Hour Rated, Add	*33.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.02*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.21	43.91
		For Spring Activated Horizontal Mount Operation, Add	*27.27*	
		For Dynamic Damper, Add	*65.44*	
		For 3 Hour Rated, Add	*36.36*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.30*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.29	46.27
		For Spring Activated Horizontal Mount Operation, Add	*29.32*	
		For Dynamic Damper, Add	*70.37*	
		For 3 Hour Rated, Add	*39.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.58*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.56	53.22
		For Spring Activated Horizontal Mount Operation, Add	*31.67*	
		For Dynamic Damper, Add	*76.01*	
		For 3 Hour Rated, Add	*42.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.19*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.88	57.81
		For Spring Activated Horizontal Mount Operation, Add	*34.01*	
		For Dynamic Damper, Add	*81.63*	
		For 3 Hour Rated, Add	*45.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.64	61.56
		For Spring Activated Horizontal Mount Operation, Add	*37.53*	
		For Dynamic Damper, Add	*90.08*	
		For 3 Hour Rated, Add	*50.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.70*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.03	64.76
		For Spring Activated Horizontal Mount Operation, Add	*43.98*	
		For Dynamic Damper, Add	*105.55*	
		For 3 Hour Rated, Add	*58.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.87*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.77	68.51
		For Spring Activated Horizontal Mount Operation, Add	*47.50*	
		For Dynamic Damper, Add	*113.99*	
		For 3 Hour Rated, Add	*63.33*	
		For Cap Of Damper Blades Outside Air Stream, Add	*52.78*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.01	70.32
		For Spring Activated Horizontal Mount Operation, Add	*53.95*	
		For Dynamic Damper, Add	*129.48*	
		For 3 Hour Rated, Add	*71.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*59.95*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.20	74.07
		For Spring Activated Horizontal Mount Operation, Add	*59.82*	
		For Dynamic Damper, Add	*143.56*	
		For 3 Hour Rated, Add	*79.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*66.46*	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.86	34.74
		For Spring Activated Horizontal Mount Operation, Add	*22.87*	
		For Dynamic Damper, Add	*54.89*	
		For 3 Hour Rated, Add	*30.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.41*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.24	36.97
		For Spring Activated Horizontal Mount Operation, Add	*25.22*	
		For Dynamic Damper, Add	*60.52*	
		For 3 Hour Rated, Add	*33.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.02*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.02	39.32
		For Spring Activated Horizontal Mount Operation, Add	*26.98*	
		For Dynamic Damper, Add	*64.75*	
		For 3 Hour Rated, Add	*35.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.98*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.58	41.69
		For Spring Activated Horizontal Mount Operation, Add	*27.56*	
		For Dynamic Damper, Add	*66.16*	
		For 3 Hour Rated, Add	*36.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.63*	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.95	43.91
		For Spring Activated Horizontal Mount Operation, Add	*29.91*	
		For Dynamic Damper, Add	*71.78*	
		For 3 Hour Rated, Add	*39.88*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.23*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.33	46.27
		For Spring Activated Horizontal Mount Operation, Add	*32.26*	
		For Dynamic Damper, Add	*77.41*	
		For 3 Hour Rated, Add	*43.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.15	55.59
		For Spring Activated Horizontal Mount Operation, Add	*35.19*	
		For Dynamic Damper, Add	*84.45*	
		For 3 Hour Rated, Add	*46.92*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.10*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.06	60.17
		For Spring Activated Horizontal Mount Operation, Add	*38.12*	
		For Dynamic Damper, Add	*91.48*	
		For 3 Hour Rated, Add	*50.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.35*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.03	64.76
		For Spring Activated Horizontal Mount Operation, Add	*43.98*	
		For Dynamic Damper, Add	*105.55*	
		For 3 Hour Rated, Add	*58.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.87*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.39	69.49
		For Spring Activated Horizontal Mount Operation, Add	*49.26*	
		For Dynamic Damper, Add	*118.22*	
		For 3 Hour Rated, Add	*65.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.73*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.33	74.07
		For Spring Activated Horizontal Mount Operation, Add	*55.12*	
		For Dynamic Damper, Add	*132.29*	
		For 3 Hour Rated, Add	*73.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*61.25*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.74	76.29
		For Spring Activated Horizontal Mount Operation, Add	*60.40*	
		For Dynamic Damper, Add	*144.96*	
		For 3 Hour Rated, Add	*80.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*67.11*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	528.14	78.66
		For Spring Activated Horizontal Mount Operation, Add	*65.68*	
		For Dynamic Damper, Add	*157.62*	
		For 3 Hour Rated, Add	*87.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*72.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.57	81.02
		For Spring Activated Horizontal Mount Operation, Add	*70.96*	
		For Dynamic Damper, Add	*170.30*	
		For 3 Hour Rated, Add	*94.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*78.84*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.63	36.97
		For Spring Activated Horizontal Mount Operation, Add	*24.63*	
		For Dynamic Damper, Add	*59.11*	
		For 3 Hour Rated, Add	*32.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.37*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.02	39.32
		For Spring Activated Horizontal Mount Operation, Add	*26.98*	
		For Dynamic Damper, Add	*64.75*	
		For 3 Hour Rated, Add	*35.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.98*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.58	41.69
		For Spring Activated Horizontal Mount Operation, Add	*27.56*	
		For Dynamic Damper, Add	*66.16*	
		For 3 Hour Rated, Add	*36.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.63*	
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.29	46.27
		For Spring Activated Horizontal Mount Operation, Add	*29.32*	
		For Dynamic Damper, Add	*70.37*	
		For 3 Hour Rated, Add	*39.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.58*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.61	50.86
		For Spring Activated Horizontal Mount Operation, Add	*31.67*	
		For Dynamic Damper, Add	*76.01*	
		For 3 Hour Rated, Add	*42.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.19*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.93	55.59
		For Spring Activated Horizontal Mount Operation, Add	*34.01*	
		For Dynamic Damper, Add	*81.63*	
		For 3 Hour Rated, Add	*45.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.79*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.47	60.17
		For Spring Activated Horizontal Mount Operation, Add	*37.53*	
		For Dynamic Damper, Add	*90.08*	
		For 3 Hour Rated, Add	*50.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.70*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.00	64.76
		For Spring Activated Horizontal Mount Operation, Add	*41.05*	
		For Dynamic Damper, Add	*98.52*	
		For 3 Hour Rated, Add	*54.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.61*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.36	69.49
		For Spring Activated Horizontal Mount Operation, Add	*46.33*	
		For Dynamic Damper, Add	*111.19*	
		For 3 Hour Rated, Add	*61.77*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.48*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.91	74.07
		For Spring Activated Horizontal Mount Operation, Add	*52.78*	
		For Dynamic Damper, Add	*126.66*	
		For 3 Hour Rated, Add	*70.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.64*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.33	76.29
		For Spring Activated Horizontal Mount Operation, Add	*58.06*	
		For Dynamic Damper, Add	*139.34*	
		For 3 Hour Rated, Add	*77.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.51*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	525.53	78.66
		For Spring Activated Horizontal Mount Operation, Add	*65.09*	
		For Dynamic Damper, Add	*156.21*	
		For 3 Hour Rated, Add	*86.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*72.32*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.91	83.24
		For Spring Activated Horizontal Mount Operation, Add	*70.37*	
		For Dynamic Damper, Add	*168.89*	
		For 3 Hour Rated, Add	*93.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*78.19*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.13	85.61
		For Spring Activated Horizontal Mount Operation, Add	*77.41*	
		For Dynamic Damper, Add	*185.78*	
		For 3 Hour Rated, Add	*103.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*86.01*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	642.81	92.56
		For Spring Activated Horizontal Mount Operation, Add	*82.10*	
		For Dynamic Damper, Add	*197.04*	
		For 3 Hour Rated, Add	*109.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*91.22*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.41	39.32
		For Spring Activated Horizontal Mount Operation, Add	*26.39*	
		For Dynamic Damper, Add	*63.34*	
		For 3 Hour Rated, Add	*35.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.32*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.78	41.69
		For Spring Activated Horizontal Mount Operation, Add	*28.73*	
		For Dynamic Damper, Add	*68.96*	
		For 3 Hour Rated, Add	*38.31*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.10	46.27
		For Spring Activated Horizontal Mount Operation, Add	*31.08*	
		For Dynamic Damper, Add	*74.59*	
		For 3 Hour Rated, Add	*41.44*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.53*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.61	50.86
		For Spring Activated Horizontal Mount Operation, Add	*31.67*	
		For Dynamic Damper, Add	*76.01*	
		For 3 Hour Rated, Add	*42.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.19*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.24	55.59
		For Spring Activated Horizontal Mount Operation, Add	*34.31*	
		For Dynamic Damper, Add	*82.34*	
		For 3 Hour Rated, Add	*45.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*38.12*	
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.86	60.17
		For Spring Activated Horizontal Mount Operation, Add	*36.95*	
		For Dynamic Damper, Add	*88.67*	
		For 3 Hour Rated, Add	*49.26*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.05*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.41	64.76
		For Spring Activated Horizontal Mount Operation, Add	*40.47*	
		For Dynamic Damper, Add	*97.12*	
		For 3 Hour Rated, Add	*53.96*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.96*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.93	69.49
		For Spring Activated Horizontal Mount Operation, Add	*43.98*	
		For Dynamic Damper, Add	*105.55*	
		For 3 Hour Rated, Add	*58.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.87*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.28	74.07
		For Spring Activated Horizontal Mount Operation, Add	*49.26*	
		For Dynamic Damper, Add	*118.22*	
		For 3 Hour Rated, Add	*65.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.73*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.45	78.66
		For Spring Activated Horizontal Mount Operation, Add	*56.30*	
		For Dynamic Damper, Add	*135.11*	
		For 3 Hour Rated, Add	*75.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*62.55*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.45	81.02
		For Spring Activated Horizontal Mount Operation, Add	*62.16*	
		For Dynamic Damper, Add	*149.18*	
		For 3 Hour Rated, Add	*82.88*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.06*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	560.30	83.24
		For Spring Activated Horizontal Mount Operation, Add	*69.78*	
		For Dynamic Damper, Add	*167.48*	
		For 3 Hour Rated, Add	*93.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*77.54*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.45	87.97
		For Spring Activated Horizontal Mount Operation, Add	*76.82*	
		For Dynamic Damper, Add	*184.36*	
		For 3 Hour Rated, Add	*102.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*85.35*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	642.81	92.56
		For Spring Activated Horizontal Mount Operation, Add	*82.10*	
		For Dynamic Damper, Add	*197.04*	
		For 3 Hour Rated, Add	*109.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*91.22*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.93	99.50
		For Spring Activated Horizontal Mount Operation, Add	*89.13*	
		For Dynamic Damper, Add	*213.92*	
		For 3 Hour Rated, Add	*118.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*99.04*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	734.90	104.08
		For Spring Activated Horizontal Mount Operation, Add	*95.00*	
		For Dynamic Damper, Add	*228.00*	
		For 3 Hour Rated, Add	*126.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*105.56*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.58	41.69
		For Spring Activated Horizontal Mount Operation, Add	*27.56*	
		For Dynamic Damper, Add	*66.16*	
		For 3 Hour Rated, Add	*36.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.63*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.49	46.27
		For Spring Activated Horizontal Mount Operation, Add	*30.49*	
		For Dynamic Damper, Add	*73.18*	
		For 3 Hour Rated, Add	*40.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.88*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.22	50.86
		For Spring Activated Horizontal Mount Operation, Add	*32.26*	
		For Dynamic Damper, Add	*77.41*	
		For 3 Hour Rated, Add	*43.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.71	55.59
		For Spring Activated Horizontal Mount Operation, Add	*32.84*	
		For Dynamic Damper, Add	*78.81*	
		For 3 Hour Rated, Add	*43.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.96	60.17
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.19	64.76
		For Spring Activated Horizontal Mount Operation, Add	*39.29*	
		For Dynamic Damper, Add	*94.30*	
		For 3 Hour Rated, Add	*52.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*43.66*	
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.42	69.49
		For Spring Activated Horizontal Mount Operation, Add	*42.52*	
		For Dynamic Damper, Add	*102.04*	
		For 3 Hour Rated, Add	*56.69*	
		For Cap Of Damper Blades Outside Air Stream, Add	*47.24*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.64	74.07
		For Spring Activated Horizontal Mount Operation, Add	*45.74*	
		For Dynamic Damper, Add	*109.78*	
		For 3 Hour Rated, Add	*60.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*50.82*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.81	78.66
		For Spring Activated Horizontal Mount Operation, Add	*52.78*	
		For Dynamic Damper, Add	*126.66*	
		For 3 Hour Rated, Add	*70.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.64*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.05	81.02
		For Spring Activated Horizontal Mount Operation, Add	*59.82*	
		For Dynamic Damper, Add	*143.56*	
		For 3 Hour Rated, Add	*79.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*66.46*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	544.66	83.24
		For Spring Activated Horizontal Mount Operation, Add	*66.26*	
		For Dynamic Damper, Add	*159.04*	
		For 3 Hour Rated, Add	*88.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*73.63*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	595.05	87.97
		For Spring Activated Horizontal Mount Operation, Add	*74.48*	
		For Dynamic Damper, Add	*178.74*	
		For 3 Hour Rated, Add	*99.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*82.75*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	640.20	92.56
		For Spring Activated Horizontal Mount Operation, Add	*81.51*	
		For Dynamic Damper, Add	*195.63*	
		For 3 Hour Rated, Add	*108.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*90.57*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.98	97.14
		For Spring Activated Horizontal Mount Operation, Add	*89.13*	
		For Dynamic Damper, Add	*213.92*	
		For 3 Hour Rated, Add	*118.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*99.04*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	727.95	101.86
		For Spring Activated Horizontal Mount Operation, Add	*95.00*	
		For Dynamic Damper, Add	*228.00*	
		For 3 Hour Rated, Add	*126.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*105.56*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	775.73	106.45
		For Spring Activated Horizontal Mount Operation, Add	*102.62*	
		For Dynamic Damper, Add	*246.29*	
		For 3 Hour Rated, Add	*136.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*114.03*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.51	111.03
		For Spring Activated Horizontal Mount Operation, Add	*110.25*	
		For Dynamic Damper, Add	*264.59*	
		For 3 Hour Rated, Add	*146.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*122.50*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.29	46.27
		For Spring Activated Horizontal Mount Operation, Add	*29.32*	
		For Dynamic Damper, Add	*70.37*	
		For 3 Hour Rated, Add	*39.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.58*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.22	50.86
		For Spring Activated Horizontal Mount Operation, Add	*32.26*	
		For Dynamic Damper, Add	*77.41*	
		For 3 Hour Rated, Add	*43.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.32	55.59
		For Spring Activated Horizontal Mount Operation, Add	*33.43*	
		For Dynamic Damper, Add	*80.22*	
		For 3 Hour Rated, Add	*44.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.14*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.83	60.17
		For Spring Activated Horizontal Mount Operation, Add	*34.01*	
		For Dynamic Damper, Add	*81.63*	
		For 3 Hour Rated, Add	*45.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.79*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.37	64.76
		For Spring Activated Horizontal Mount Operation, Add	*37.53*	
		For Dynamic Damper, Add	*90.08*	
		For 3 Hour Rated, Add	*50.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.90	69.49
		For Spring Activated Horizontal Mount Operation, Add	*41.05*	
		For Dynamic Damper, Add	*98.52*	
		For 3 Hour Rated, Add	*54.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.61*	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.73	74.07
		For Spring Activated Horizontal Mount Operation, Add	*44.86*	
		For Dynamic Damper, Add	*107.67*	
		For 3 Hour Rated, Add	*59.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*49.85*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.57	78.66
		For Spring Activated Horizontal Mount Operation, Add	*48.67*	
		For Dynamic Damper, Add	*116.81*	
		For 3 Hour Rated, Add	*64.90*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.08*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.40	81.02
		For Spring Activated Horizontal Mount Operation, Add	*56.30*	
		For Dynamic Damper, Add	*135.11*	
		For 3 Hour Rated, Add	*75.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*62.55*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	531.62	83.24
		For Spring Activated Horizontal Mount Operation, Add	*63.33*	
		For Dynamic Damper, Add	*151.99*	
		For 3 Hour Rated, Add	*84.44*	
		For Cap Of Damper Blades Outside Air Stream, Add	*70.37*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	579.42	87.97
		For Spring Activated Horizontal Mount Operation, Add	*70.96*	
		For Dynamic Damper, Add	*170.30*	
		For 3 Hour Rated, Add	*94.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*78.84*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.18	92.56
		For Spring Activated Horizontal Mount Operation, Add	*78.58*	
		For Dynamic Damper, Add	*188.60*	
		For 3 Hour Rated, Add	*104.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.31*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	667.13	97.14
		For Spring Activated Horizontal Mount Operation, Add	*84.44*	
		For Dynamic Damper, Add	*202.66*	
		For 3 Hour Rated, Add	*112.59*	
		For Cap Of Damper Blades Outside Air Stream, Add	*93.83*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	722.73	101.86
		For Spring Activated Horizontal Mount Operation, Add	*93.83*	
		For Dynamic Damper, Add	*225.18*	
		For 3 Hour Rated, Add	*125.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*104.25*	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	773.12	106.45
		For Spring Activated Horizontal Mount Operation, Add	*102.04*	
		For Dynamic Damper, Add	*244.88*	
		For 3 Hour Rated, Add	*136.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*113.37*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.51	111.03
		For Spring Activated Horizontal Mount Operation, Add	*110.25*	
		For Dynamic Damper, Add	*264.59*	
		For 3 Hour Rated, Add	*146.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*122.50*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	868.65	115.76
		For Spring Activated Horizontal Mount Operation, Add	*117.28*	
		For Dynamic Damper, Add	*281.46*	
		For 3 Hour Rated, Add	*156.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*130.31*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	913.86	120.35
		For Spring Activated Horizontal Mount Operation, Add	*124.32*	
		For Dynamic Damper, Add	*298.37*	
		For 3 Hour Rated, Add	*165.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*138.14*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.78	15.43
		For Spring Activated Horizontal Mount Operation, Add	*16.99*	
		For Dynamic Damper, Add	*40.78*	
		For 3 Hour Rated, Add	*22.65*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.11	16.12
		For Spring Activated Horizontal Mount Operation, Add	*17.72*	
		For Dynamic Damper, Add	*42.52*	
		For 3 Hour Rated, Add	*23.62*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.65	16.26
		For Spring Activated Horizontal Mount Operation, Add	*18.45*	
		For Dynamic Damper, Add	*44.29*	
		For 3 Hour Rated, Add	*24.60*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.65	16.26
		For Spring Activated Horizontal Mount Operation, Add	*18.45*	
		For Dynamic Damper, Add	*44.29*	
		For 3 Hour Rated, Add	*24.60*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.31	16.68
		For Spring Activated Horizontal Mount Operation, Add	*19.19*	
		For Dynamic Damper, Add	*46.05*	
		For 3 Hour Rated, Add	*25.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.37	18.49
		For Spring Activated Horizontal Mount Operation, Add	*20.65*	
		For Dynamic Damper, Add	*49.56*	
		For 3 Hour Rated, Add	*27.53*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.31	16.68
		For Spring Activated Horizontal Mount Operation, Add	*19.19*	
		For Dynamic Damper, Add	*46.05*	
		For 3 Hour Rated, Add	*25.58*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.59	17.65
		For Spring Activated Horizontal Mount Operation, Add	*20.65*	
		For Dynamic Damper, Add	*49.56*	
		For 3 Hour Rated, Add	*27.53*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.64	18.49
		For Spring Activated Horizontal Mount Operation, Add	*21.39*	
		For Dynamic Damper, Add	*51.33*	
		For 3 Hour Rated, Add	*28.52*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.85	20.85
		For Spring Activated Horizontal Mount Operation, Add	*22.12*	
		For Dynamic Damper, Add	*53.09*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.97	17.65
		For Spring Activated Horizontal Mount Operation, Add	*20.29*	
		For Dynamic Damper, Add	*48.69*	
		For 3 Hour Rated, Add	*27.05*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.64	18.49
		For Spring Activated Horizontal Mount Operation, Add	*21.39*	
		For Dynamic Damper, Add	*51.33*	
		For 3 Hour Rated, Add	*28.52*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.67	19.45
		For Spring Activated Horizontal Mount Operation, Add	*22.12*	
		For Dynamic Damper, Add	*53.09*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.10	20.85
		For Spring Activated Horizontal Mount Operation, Add	*22.85*	
		For Dynamic Damper, Add	*54.84*	
		For 3 Hour Rated, Add	*30.47*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.20	23.21
		For Spring Activated Horizontal Mount Operation, Add	*24.68*	
		For Dynamic Damper, Add	*59.24*	
		For 3 Hour Rated, Add	*32.91*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.34	18.49
		For Spring Activated Horizontal Mount Operation, Add	*29.87*	
		For Dynamic Damper, Add	*71.69*	
		For 3 Hour Rated, Add	*39.83*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.16	19.87
		For Spring Activated Horizontal Mount Operation, Add	*30.69*	
		For Dynamic Damper, Add	*73.66*	
		For 3 Hour Rated, Add	*40.92*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.38	21.81
		For Spring Activated Horizontal Mount Operation, Add	*31.52*	
		For Dynamic Damper, Add	*75.64*	
		For 3 Hour Rated, Add	*42.02*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.19	23.21
		For Spring Activated Horizontal Mount Operation, Add	*32.33*	
		For Dynamic Damper, Add	*77.60*	
		For 3 Hour Rated, Add	*43.11*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.28	25.43
		For Spring Activated Horizontal Mount Operation, Add	*34.39*	
		For Dynamic Damper, Add	*82.53*	
		For 3 Hour Rated, Add	*45.85*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.36	27.80
		For Spring Activated Horizontal Mount Operation, Add	*36.44*	
		For Dynamic Damper, Add	*87.46*	
		For 3 Hour Rated, Add	*48.59*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.76	19.45
		For Spring Activated Horizontal Mount Operation, Add	*30.69*	
		For Dynamic Damper, Add	*73.66*	
		For 3 Hour Rated, Add	*40.92*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.42	20.85
		For Spring Activated Horizontal Mount Operation, Add	*31.92*	
		For Dynamic Damper, Add	*76.62*	
		For 3 Hour Rated, Add	*42.56*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.87	23.21
		For Spring Activated Horizontal Mount Operation, Add	*33.16*	
		For Dynamic Damper, Add	*79.59*	
		For 3 Hour Rated, Add	*44.21*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.93	25.43
		For Spring Activated Horizontal Mount Operation, Add	*35.21*	
		For Dynamic Damper, Add	*84.50*	
		For 3 Hour Rated, Add	*46.95*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.17	27.80
		For Spring Activated Horizontal Mount Operation, Add	*36.85*	
		For Dynamic Damper, Add	*88.44*	
		For 3 Hour Rated, Add	*49.13*	
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.24	30.02
		For Spring Activated Horizontal Mount Operation, Add	*38.90*	
		For Dynamic Damper, Add	*93.37*	
		For 3 Hour Rated, Add	*51.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.64	32.38
		For Spring Activated Horizontal Mount Operation, Add	*40.13*	
		For Dynamic Damper, Add	*96.32*	
		For 3 Hour Rated, Add	*53.51*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.61	20.85
		For Spring Activated Horizontal Mount Operation, Add	*31.52*	
		For Dynamic Damper, Add	*75.64*	
		For 3 Hour Rated, Add	*42.02*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.83	23.21
		For Spring Activated Horizontal Mount Operation, Add	*33.15*	
		For Dynamic Damper, Add	*79.56*	
		For 3 Hour Rated, Add	*44.20*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.10	25.43
		For Spring Activated Horizontal Mount Operation, Add	*34.80*	
		For Dynamic Damper, Add	*83.52*	
		For 3 Hour Rated, Add	*46.40*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.68	27.80
		For Spring Activated Horizontal Mount Operation, Add	*38.09*	
		For Dynamic Damper, Add	*91.42*	
		For 3 Hour Rated, Add	*50.79*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.08	30.02
		For Spring Activated Horizontal Mount Operation, Add	*39.32*	
		For Dynamic Damper, Add	*94.37*	
		For 3 Hour Rated, Add	*52.43*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.48	32.38
		For Spring Activated Horizontal Mount Operation, Add	*40.55*	
		For Dynamic Damper, Add	*97.31*	
		For 3 Hour Rated, Add	*54.06*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.72	34.74
		For Spring Activated Horizontal Mount Operation, Add	*42.19*	
		For Dynamic Damper, Add	*101.25*	
		For 3 Hour Rated, Add	*56.25*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.95	36.97
		For Spring Activated Horizontal Mount Operation, Add	*43.83*	
		For Dynamic Damper, Add	*105.18*	
		For 3 Hour Rated, Add	*58.43*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.39	23.21
		For Spring Activated Horizontal Mount Operation, Add	*40.70*	
		For Dynamic Damper, Add	*97.69*	
		For 3 Hour Rated, Add	*54.27*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.31	25.43
		For Spring Activated Horizontal Mount Operation, Add	*43.17*	
		For Dynamic Damper, Add	*103.61*	
		For 3 Hour Rated, Add	*57.56*	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.57	27.80
		For Spring Activated Horizontal Mount Operation, Add	*44.82*	
		For Dynamic Damper, Add	*107.56*	
		For 3 Hour Rated, Add	*59.75*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.43	30.02
		For Spring Activated Horizontal Mount Operation, Add	*47.27*	
		For Dynamic Damper, Add	*113.45*	
		For 3 Hour Rated, Add	*63.03*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.85	32.38
		For Spring Activated Horizontal Mount Operation, Add	*48.51*	
		For Dynamic Damper, Add	*116.41*	
		For 3 Hour Rated, Add	*64.67*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.26	34.74
		For Spring Activated Horizontal Mount Operation, Add	*49.73*	
		For Dynamic Damper, Add	*119.36*	
		For 3 Hour Rated, Add	*66.31*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.16	36.97
		For Spring Activated Horizontal Mount Operation, Add	*52.20*	
		For Dynamic Damper, Add	*125.27*	
		For 3 Hour Rated, Add	*69.60*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.00	41.69
		For Spring Activated Horizontal Mount Operation, Add	*54.66*	
		For Dynamic Damper, Add	*131.18*	
		For 3 Hour Rated, Add	*72.88*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.51	46.27
		For Spring Activated Horizontal Mount Operation, Add	*57.95*	
		For Dynamic Damper, Add	*139.07*	
		For 3 Hour Rated, Add	*77.26*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.31	25.43
		For Spring Activated Horizontal Mount Operation, Add	*43.17*	
		For Dynamic Damper, Add	*103.61*	
		For 3 Hour Rated, Add	*57.56*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.57	27.80
		For Spring Activated Horizontal Mount Operation, Add	*44.82*	
		For Dynamic Damper, Add	*107.56*	
		For 3 Hour Rated, Add	*59.75*	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.43	30.02
		For Spring Activated Horizontal Mount Operation, Add	*47.27*	
		For Dynamic Damper, Add	*113.45*	
		For 3 Hour Rated, Add	*63.03*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.67	32.38
		For Spring Activated Horizontal Mount Operation, Add	*48.92*	
		For Dynamic Damper, Add	*117.40*	
		For 3 Hour Rated, Add	*65.22*	

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23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.74	34.74
		For Spring Activated Horizontal Mount Operation, Add	*50.97*	
		For Dynamic Damper, Add	*122.32*	
		For 3 Hour Rated, Add	*67.96*	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.78	36.97
		For Spring Activated Horizontal Mount Operation, Add	*53.01*	
		For Dynamic Damper, Add	*127.23*	
		For 3 Hour Rated, Add	*70.68*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.64	41.69
		For Spring Activated Horizontal Mount Operation, Add	*55.48*	
		For Dynamic Damper, Add	*133.15*	
		For 3 Hour Rated, Add	*73.97*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.51	46.27
		For Spring Activated Horizontal Mount Operation, Add	*57.95*	
		For Dynamic Damper, Add	*139.07*	
		For 3 Hour Rated, Add	*77.26*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.34	48.64
		For Spring Activated Horizontal Mount Operation, Add	*62.87*	
		For Dynamic Damper, Add	*150.89*	
		For 3 Hour Rated, Add	*83.83*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.48	53.22
		For Spring Activated Horizontal Mount Operation, Add	*66.98*	
		For Dynamic Damper, Add	*160.74*	
		For 3 Hour Rated, Add	*89.30*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.49	27.80
		For Spring Activated Horizontal Mount Operation, Add	*47.27*	
		For Dynamic Damper, Add	*113.45*	
		For 3 Hour Rated, Add	*63.03*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.06	30.02
		For Spring Activated Horizontal Mount Operation, Add	*48.09*	
		For Dynamic Damper, Add	*115.41*	
		For 3 Hour Rated, Add	*64.12*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.67	32.38
		For Spring Activated Horizontal Mount Operation, Add	*48.92*	
		For Dynamic Damper, Add	*117.40*	
		For 3 Hour Rated, Add	*65.22*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.89	34.74
		For Spring Activated Horizontal Mount Operation, Add	*50.55*	
		For Dynamic Damper, Add	*121.32*	
		For 3 Hour Rated, Add	*67.40*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.48	36.97
		For Spring Activated Horizontal Mount Operation, Add	*53.17*	
		For Dynamic Damper, Add	*127.61*	
		For 3 Hour Rated, Add	*70.89*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.64	41.69
		For Spring Activated Horizontal Mount Operation, Add	*55.48*	
		For Dynamic Damper, Add	*133.15*	
		For 3 Hour Rated, Add	*73.97*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.17	46.27
		For Spring Activated Horizontal Mount Operation, Add	*58.77*	
		For Dynamic Damper, Add	*141.05*	
		For 3 Hour Rated, Add	*78.36*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.65	50.86
		For Spring Activated Horizontal Mount Operation, Add	*62.05*	
		For Dynamic Damper, Add	*148.93*	
		For 3 Hour Rated, Add	*82.74*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.48	53.22
		For Spring Activated Horizontal Mount Operation, Add	*66.98*	
		For Dynamic Damper, Add	*160.74*	
		For 3 Hour Rated, Add	*89.30*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.15	56.97
		For Spring Activated Horizontal Mount Operation, Add	*72.72*	
		For Dynamic Damper, Add	*174.54*	
		For 3 Hour Rated, Add	*96.97*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.06	60.17
		For Spring Activated Horizontal Mount Operation, Add	*79.29*	
		For Dynamic Damper, Add	*190.30*	
		For 3 Hour Rated, Add	*105.72*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.15	30.02
		For Spring Activated Horizontal Mount Operation, Add	*53.96*	
		For Dynamic Damper, Add	*129.50*	
		For 3 Hour Rated, Add	*71.95*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.40	32.38
		For Spring Activated Horizontal Mount Operation, Add	*55.83*	
		For Dynamic Damper, Add	*133.99*	
		For 3 Hour Rated, Add	*74.44*	
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.68	34.74
		For Spring Activated Horizontal Mount Operation, Add	*57.70*	
		For Dynamic Damper, Add	*138.49*	
		For 3 Hour Rated, Add	*76.94*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.17	36.97
		For Spring Activated Horizontal Mount Operation, Add	*60.53*	
		For Dynamic Damper, Add	*145.26*	
		For 3 Hour Rated, Add	*80.70*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.34	41.69
		For Spring Activated Horizontal Mount Operation, Add	*61.94*	
		For Dynamic Damper, Add	*148.65*	
		For 3 Hour Rated, Add	*82.58*	

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23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.55	43.91
		For Spring Activated Horizontal Mount Operation, Add	*63.34*	
		For Dynamic Damper, Add	*152.03*	
		For 3 Hour Rated, Add	*84.46*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.24	50.86
		For Spring Activated Horizontal Mount Operation, Add	*68.04*	
		For Dynamic Damper, Add	*163.29*	
		For 3 Hour Rated, Add	*90.71*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.96	55.59
		For Spring Activated Horizontal Mount Operation, Add	*72.72*	
		For Dynamic Damper, Add	*174.53*	
		For 3 Hour Rated, Add	*96.96*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.56	57.40
		For Spring Activated Horizontal Mount Operation, Add	*78.35*	
		For Dynamic Damper, Add	*188.05*	
		For 3 Hour Rated, Add	*104.47*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	566.41	61.56
		For Spring Activated Horizontal Mount Operation, Add	*85.86*	
		For Dynamic Damper, Add	*206.05*	
		For 3 Hour Rated, Add	*114.47*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.32	64.76
		For Spring Activated Horizontal Mount Operation, Add	*92.42*	
		For Dynamic Damper, Add	*221.81*	
		For 3 Hour Rated, Add	*123.23*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.63	67.12
		For Spring Activated Horizontal Mount Operation, Add	*99.93*	
		For Dynamic Damper, Add	*239.82*	
		For 3 Hour Rated, Add	*133.24*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.13	34.74
		For Spring Activated Horizontal Mount Operation, Add	*61.62*	
		For Dynamic Damper, Add	*147.88*	
		For 3 Hour Rated, Add	*82.16*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.76	36.97
		For Spring Activated Horizontal Mount Operation, Add	*65.37*	
		For Dynamic Damper, Add	*156.89*	
		For 3 Hour Rated, Add	*87.16*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.87	39.32
		For Spring Activated Horizontal Mount Operation, Add	*66.31*	
		For Dynamic Damper, Add	*159.14*	
		For 3 Hour Rated, Add	*88.41*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	417.01	41.69
		For Spring Activated Horizontal Mount Operation, Add	*67.25*	
		For Dynamic Damper, Add	*161.40*	
		For 3 Hour Rated, Add	*89.67*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.52	43.91
		For Spring Activated Horizontal Mount Operation, Add	*70.54*	
		For Dynamic Damper, Add	*169.29*	
		For 3 Hour Rated, Add	*94.05*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.06	46.27
		For Spring Activated Horizontal Mount Operation, Add	*73.82*	
		For Dynamic Damper, Add	*177.17*	
		For 3 Hour Rated, Add	*98.43*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.58	53.22
		For Spring Activated Horizontal Mount Operation, Add	*77.57*	
		For Dynamic Damper, Add	*186.18*	
		For 3 Hour Rated, Add	*103.43*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.16	57.81
		For Spring Activated Horizontal Mount Operation, Add	*81.33*	
		For Dynamic Damper, Add	*195.18*	
		For 3 Hour Rated, Add	*108.44*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	571.31	61.56
		For Spring Activated Horizontal Mount Operation, Add	*86.96*	
		For Dynamic Damper, Add	*208.70*	
		For 3 Hour Rated, Add	*115.94*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.90	64.76
		For Spring Activated Horizontal Mount Operation, Add	*97.28*	
		For Dynamic Damper, Add	*233.46*	
		For 3 Hour Rated, Add	*129.70*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	663.00	68.51
		For Spring Activated Horizontal Mount Operation, Add	*102.90*	
		For Dynamic Damper, Add	*246.96*	
		For 3 Hour Rated, Add	*137.20*	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	714.46	70.32
		For Spring Activated Horizontal Mount Operation, Add	*113.23*	
		For Dynamic Damper, Add	*271.74*	
		For 3 Hour Rated, Add	*150.97*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	767.28	74.07
		For Spring Activated Horizontal Mount Operation, Add	*122.61*	
		For Dynamic Damper, Add	*294.26*	
		For 3 Hour Rated, Add	*163.48*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	386.43	34.74
		For Spring Activated Horizontal Mount Operation, Add	*63.50*	
		For Dynamic Damper, Add	*152.39*	
		For 3 Hour Rated, Add	*84.66*	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.06	36.97
		For Spring Activated Horizontal Mount Operation, Add	*67.25*	
		For Dynamic Damper, Add	*161.40*	
		For 3 Hour Rated, Add	*89.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.55	39.32
		For Spring Activated Horizontal Mount Operation, Add	*70.07*	
		For Dynamic Damper, Add	*168.17*	
		For 3 Hour Rated, Add	*93.43*	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.66	41.69
		For Spring Activated Horizontal Mount Operation, Add	*71.01*	
		For Dynamic Damper, Add	*170.42*	
		For 3 Hour Rated, Add	*94.68*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.29	43.91
		For Spring Activated Horizontal Mount Operation, Add	*74.76*	
		For Dynamic Damper, Add	*179.43*	
		For 3 Hour Rated, Add	*99.68*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.92	46.27
		For Spring Activated Horizontal Mount Operation, Add	*78.51*	
		For Dynamic Damper, Add	*188.43*	
		For 3 Hour Rated, Add	*104.69*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	536.56	55.59
		For Spring Activated Horizontal Mount Operation, Add	*83.21*	
		For Dynamic Damper, Add	*199.69*	
		For 3 Hour Rated, Add	*110.94*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	571.29	60.17
		For Spring Activated Horizontal Mount Operation, Add	*87.89*	
		For Dynamic Damper, Add	*210.94*	
		For 3 Hour Rated, Add	*117.19*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.90	64.76
		For Spring Activated Horizontal Mount Operation, Add	*97.28*	
		For Dynamic Damper, Add	*233.46*	
		For 3 Hour Rated, Add	*129.70*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	678.33	69.49
		For Spring Activated Horizontal Mount Operation, Add	*105.72*	
		For Dynamic Damper, Add	*253.73*	
		For 3 Hour Rated, Add	*140.96*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	733.89	74.07
		For Spring Activated Horizontal Mount Operation, Add	*115.10*	
		For Dynamic Damper, Add	*276.23*	
		For 3 Hour Rated, Add	*153.46*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	778.37	76.29
		For Spring Activated Horizontal Mount Operation, Add	*123.54*	
		For Dynamic Damper, Add	*296.50*	
		For 3 Hour Rated, Add	*164.72*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	822.87	78.66
		For Spring Activated Horizontal Mount Operation, Add	*131.99*	
		For Dynamic Damper, Add	*316.77*	
		For 3 Hour Rated, Add	*175.99*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	867.37	81.02
		For Spring Activated Horizontal Mount Operation, Add	*140.44*	
		For Dynamic Damper, Add	*337.05*	
		For 3 Hour Rated, Add	*187.25*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.87	36.97
		For Spring Activated Horizontal Mount Operation, Add	*66.31*	
		For Dynamic Damper, Add	*159.14*	
		For 3 Hour Rated, Add	*88.41*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.55	39.32
		For Spring Activated Horizontal Mount Operation, Add	*70.07*	
		For Dynamic Damper, Add	*168.17*	
		For 3 Hour Rated, Add	*93.43*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.66	41.69
		For Spring Activated Horizontal Mount Operation, Add	*71.01*	
		For Dynamic Damper, Add	*170.42*	
		For 3 Hour Rated, Add	*94.68*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.06	46.27
		For Spring Activated Horizontal Mount Operation, Add	*73.82*	
		For Dynamic Damper, Add	*177.17*	
		For 3 Hour Rated, Add	*98.43*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.63	50.86
		For Spring Activated Horizontal Mount Operation, Add	*77.57*	
		For Dynamic Damper, Add	*186.18*	
		For 3 Hour Rated, Add	*103.43*	
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	528.21	55.59
		For Spring Activated Horizontal Mount Operation, Add	*81.33*	
		For Dynamic Damper, Add	*195.18*	
		For 3 Hour Rated, Add	*108.44*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	567.14	60.17
		For Spring Activated Horizontal Mount Operation, Add	*86.96*	
		For Dynamic Damper, Add	*208.70*	
		For 3 Hour Rated, Add	*115.94*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	606.03	64.76
		For Spring Activated Horizontal Mount Operation, Add	*92.58*	
		For Dynamic Damper, Add	*222.19*	
		For 3 Hour Rated, Add	*123.44*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	657.48	69.49
		For Spring Activated Horizontal Mount Operation, Add	*101.03*	
		For Dynamic Damper, Add	*242.47*	
		For 3 Hour Rated, Add	*134.71*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	717.21	74.07
		For Spring Activated Horizontal Mount Operation, Add	*111.34*	
		For Dynamic Damper, Add	*267.22*	
		For 3 Hour Rated, Add	*148.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	761.73	76.29
		For Spring Activated Horizontal Mount Operation, Add	*119.80*	
		For Dynamic Damper, Add	*287.51*	
		For 3 Hour Rated, Add	*159.73*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	818.68	78.66
		For Spring Activated Horizontal Mount Operation, Add	*131.05*	
		For Dynamic Damper, Add	*314.51*	
		For 3 Hour Rated, Add	*174.73*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	870.15	83.24
		For Spring Activated Horizontal Mount Operation, Add	*139.50*	
		For Dynamic Damper, Add	*334.80*	
		For 3 Hour Rated, Add	*186.00*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	927.13	85.61
		For Spring Activated Horizontal Mount Operation, Add	*150.76*	
		For Dynamic Damper, Add	*361.82*	
		For 3 Hour Rated, Add	*201.01*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	981.32	92.56
		For Spring Activated Horizontal Mount Operation, Add	*158.26*	
		For Dynamic Damper, Add	*379.83*	
		For 3 Hour Rated, Add	*211.02*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.36	39.32
		For Spring Activated Horizontal Mount Operation, Add	*69.13*	
		For Dynamic Damper, Add	*165.91*	
		For 3 Hour Rated, Add	*92.17*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.99	41.69
		For Spring Activated Horizontal Mount Operation, Add	*72.88*	
		For Dynamic Damper, Add	*174.92*	
		For 3 Hour Rated, Add	*97.18*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.57	46.27
		For Spring Activated Horizontal Mount Operation, Add	*76.64*	
		For Dynamic Damper, Add	*183.92*	
		For 3 Hour Rated, Add	*102.18*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.63	50.86
		For Spring Activated Horizontal Mount Operation, Add	*77.57*	
		For Dynamic Damper, Add	*186.18*	
		For 3 Hour Rated, Add	*103.43*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.32	55.59
		For Spring Activated Horizontal Mount Operation, Add	*81.80*	
		For Dynamic Damper, Add	*196.32*	
		For 3 Hour Rated, Add	*109.07*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.96	60.17
		For Spring Activated Horizontal Mount Operation, Add	*86.02*	
		For Dynamic Damper, Add	*206.44*	
		For 3 Hour Rated, Add	*114.69*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.89	64.76
		For Spring Activated Horizontal Mount Operation, Add	*91.65*	
		For Dynamic Damper, Add	*219.96*	
		For 3 Hour Rated, Add	*122.20*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	640.80	69.49
		For Spring Activated Horizontal Mount Operation, Add	*97.28*	
		For Dynamic Damper, Add	*233.46*	
		For 3 Hour Rated, Add	*129.70*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	692.22	74.07
		For Spring Activated Horizontal Mount Operation, Add	*105.72*	
		For Dynamic Damper, Add	*253.73*	
		For 3 Hour Rated, Add	*140.96*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	756.14	78.66
		For Spring Activated Horizontal Mount Operation, Add	*116.98*	
		For Dynamic Damper, Add	*280.74*	
		For 3 Hour Rated, Add	*155.97*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	804.79	81.02
		For Spring Activated Horizontal Mount Operation, Add	*126.36*	
		For Dynamic Damper, Add	*303.26*	
		For 3 Hour Rated, Add	*168.48*	
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	865.97	83.24
		For Spring Activated Horizontal Mount Operation, Add	*138.56*	
		For Dynamic Damper, Add	*332.54*	
		For 3 Hour Rated, Add	*184.75*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	929.87	87.97
		For Spring Activated Horizontal Mount Operation, Add	*149.81*	
		For Dynamic Damper, Add	*359.54*	
		For 3 Hour Rated, Add	*199.75*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	981.32	92.56
		For Spring Activated Horizontal Mount Operation, Add	*158.26*	
		For Dynamic Damper, Add	*379.83*	
		For 3 Hour Rated, Add	*211.02*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,052.19	99.50
		For Spring Activated Horizontal Mount Operation, Add	*169.52*	
		For Dynamic Damper, Add	*406.84*	
		For 3 Hour Rated, Add	*226.02*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,107.81	104.08
		For Spring Activated Horizontal Mount Operation, Add	*178.90*	
		For Dynamic Damper, Add	*429.37*	
		For 3 Hour Rated, Add	*238.54*	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.66	41.69
		For Spring Activated Horizontal Mount Operation, Add	*71.01*	
		For Dynamic Damper, Add	*170.42*	
		For 3 Hour Rated, Add	*94.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.39	46.27
		For Spring Activated Horizontal Mount Operation, Add	*75.69*	
		For Dynamic Damper, Add	*181.67*	
		For 3 Hour Rated, Add	*100.93*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.81	50.86
		For Spring Activated Horizontal Mount Operation, Add	*78.51*	
		For Dynamic Damper, Add	*188.43*	
		For 3 Hour Rated, Add	*104.69*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.86	55.59
		For Spring Activated Horizontal Mount Operation, Add	*79.45*	
		For Dynamic Damper, Add	*190.67*	
		For 3 Hour Rated, Add	*105.93*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.72	60.17
		For Spring Activated Horizontal Mount Operation, Add	*84.61*	
		For Dynamic Damper, Add	*203.07*	
		For 3 Hour Rated, Add	*112.82*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	593.54	64.76
		For Spring Activated Horizontal Mount Operation, Add	*89.77*	
		For Dynamic Damper, Add	*215.45*	
		For 3 Hour Rated, Add	*119.69*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	630.38	69.49
		For Spring Activated Horizontal Mount Operation, Add	*94.93*	
		For Dynamic Damper, Add	*227.84*	
		For 3 Hour Rated, Add	*126.58*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	667.19	74.07
		For Spring Activated Horizontal Mount Operation, Add	*100.09*	
		For Dynamic Damper, Add	*240.21*	
		For 3 Hour Rated, Add	*133.45*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	731.11	78.66
		For Spring Activated Horizontal Mount Operation, Add	*111.34*	
		For Dynamic Damper, Add	*267.22*	
		For 3 Hour Rated, Add	*148.46*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	788.13	81.02
		For Spring Activated Horizontal Mount Operation, Add	*122.61*	
		For Dynamic Damper, Add	*294.26*	
		For 3 Hour Rated, Add	*163.48*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	840.93	83.24
		For Spring Activated Horizontal Mount Operation, Add	*132.93*	
		For Dynamic Damper, Add	*319.02*	
		For 3 Hour Rated, Add	*177.23*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	913.23	87.97
		For Spring Activated Horizontal Mount Operation, Add	*146.07*	
		For Dynamic Damper, Add	*350.56*	
		For 3 Hour Rated, Add	*194.75*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	977.13	92.56
		For Spring Activated Horizontal Mount Operation, Add	*157.32*	
		For Dynamic Damper, Add	*377.57*	
		For 3 Hour Rated, Add	*209.76*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,045.24	97.14
		For Spring Activated Horizontal Mount Operation, Add	*169.52*	
		For Dynamic Damper, Add	*406.84*	
		For 3 Hour Rated, Add	*226.02*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,100.86	101.86
		For Spring Activated Horizontal Mount Operation, Add	*178.90*	
		For Dynamic Damper, Add	*429.37*	
		For 3 Hour Rated, Add	*238.54*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,168.97	106.45
		For Spring Activated Horizontal Mount Operation, Add	*191.10*	
		For Dynamic Damper, Add	*458.64*	
		For 3 Hour Rated, Add	*254.80*	
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,237.08	111.03
		For Spring Activated Horizontal Mount Operation, Add	*203.30*	
		For Dynamic Damper, Add	*487.92*	
		For 3 Hour Rated, Add	*271.07*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.06	46.27
		For Spring Activated Horizontal Mount Operation, Add	*73.82*	
		For Dynamic Damper, Add	*177.17*	
		For 3 Hour Rated, Add	*98.43*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.81	50.86
		For Spring Activated Horizontal Mount Operation, Add	*78.51*	
		For Dynamic Damper, Add	*188.43*	
		For 3 Hour Rated, Add	*104.69*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.03	55.59
		For Spring Activated Horizontal Mount Operation, Add	*80.39*	
		For Dynamic Damper, Add	*192.93*	
		For 3 Hour Rated, Add	*107.18*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.11	60.17
		For Spring Activated Horizontal Mount Operation, Add	*81.33*	
		For Dynamic Damper, Add	*195.18*	
		For 3 Hour Rated, Add	*108.44*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	581.04	64.76
		For Spring Activated Horizontal Mount Operation, Add	*86.96*	
		For Dynamic Damper, Add	*208.70*	
		For 3 Hour Rated, Add	*115.94*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.93	69.49
		For Spring Activated Horizontal Mount Operation, Add	*92.58*	
		For Dynamic Damper, Add	*222.19*	
		For 3 Hour Rated, Add	*123.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	660.93	74.07
		For Spring Activated Horizontal Mount Operation, Add	*98.68*	
		For Dynamic Damper, Add	*236.83*	
		For 3 Hour Rated, Add	*131.57*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	701.93	78.66
		For Spring Activated Horizontal Mount Operation, Add	*104.78*	
		For Dynamic Damper, Add	*251.47*	
		For 3 Hour Rated, Add	*139.70*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	763.09	81.02
		For Spring Activated Horizontal Mount Operation, Add	*116.98*	
		For Dynamic Damper, Add	*280.74*	
		For 3 Hour Rated, Add	*155.97*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	820.09	83.24
		For Spring Activated Horizontal Mount Operation, Add	*128.24*	
		For Dynamic Damper, Add	*307.77*	
		For 3 Hour Rated, Add	*170.98*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	888.22	87.97
		For Spring Activated Horizontal Mount Operation, Add	*140.44*	
		For Dynamic Damper, Add	*337.05*	
		For 3 Hour Rated, Add	*187.25*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	956.31	92.56
		For Spring Activated Horizontal Mount Operation, Add	*152.64*	
		For Dynamic Damper, Add	*366.33*	
		For 3 Hour Rated, Add	*203.51*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,011.90	97.14
		For Spring Activated Horizontal Mount Operation, Add	*162.02*	
		For Dynamic Damper, Add	*388.84*	
		For 3 Hour Rated, Add	*216.02*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,092.51	101.86
		For Spring Activated Horizontal Mount Operation, Add	*177.03*	
		For Dynamic Damper, Add	*424.86*	
		For 3 Hour Rated, Add	*236.03*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,164.78	106.45
		For Spring Activated Horizontal Mount Operation, Add	*190.16*	
		For Dynamic Damper, Add	*456.38*	
		For 3 Hour Rated, Add	*253.55*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,237.08	111.03
		For Spring Activated Horizontal Mount Operation, Add	*203.30*	
		For Dynamic Damper, Add	*487.92*	
		For 3 Hour Rated, Add	*271.07*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,300.97	115.76
		For Spring Activated Horizontal Mount Operation, Add	*214.55*	
		For Dynamic Damper, Add	*514.92*	
		For 3 Hour Rated, Add	*286.07*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,364.95	120.35
		For Spring Activated Horizontal Mount Operation, Add	*225.82*	
		For Dynamic Damper, Add	*541.96*	
		For 3 Hour Rated, Add	*301.09*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	142.32	27.80
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	148.53	27.80
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	174.75	31.55
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	181.49	31.55
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	218.22	34.74
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	236.80	34.74
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	263.16	38.63
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	295.58	43.50
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	335.92	49.61

23 33 13 16-0358 Round 4 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	160.31	31.55
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	177.23	31.55
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	200.71	34.74
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	222.54	34.74
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	252.15	38.63
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	265.46	38.63
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	296.00	43.50
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	327.46	49.61
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	382.04	57.95

23 33 13 19 Smoke-Control Dampers *(23 33 13)*

23 33 13 19-0001 Combination Smoke/Fire Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	661.87	23.14
		For Dynamic Damper, Add	*319.92*	
		For 3 Hour Rated, Add	*177.74*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	679.45	24.18
		For Dynamic Damper, Add	*327.73*	
		For 3 Hour Rated, Add	*182.07*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.52	24.39
		For Dynamic Damper, Add	*335.64*	
		For 3 Hour Rated, Add	*186.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	655.86	24.39
		For Dynamic Damper, Add	*314.77*	
		For 3 Hour Rated, Add	*174.87*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.60	25.01
		For Dynamic Damper, Add	*322.14*	
		For 3 Hour Rated, Add	*178.97*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	707.33	27.73
		For Dynamic Damper, Add	*336.93*	
		For 3 Hour Rated, Add	*187.18*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.60	25.01
		For Dynamic Damper, Add	*322.14*	
		For 3 Hour Rated, Add	*178.97*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	703.15	26.47
		For Dynamic Damper, Add	*336.93*	
		For 3 Hour Rated, Add	*187.18*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	720.98	27.73
		For Dynamic Damper, Add	*344.30*	
		For 3 Hour Rated, Add	*191.28*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	745.13	31.27
		For Dynamic Damper, Add	*351.72*	
		For 3 Hour Rated, Add	*195.40*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	696.32	26.47
		For Dynamic Damper, Add	*333.24*	
		For 3 Hour Rated, Add	*185.13*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	720.98	27.73
		For Dynamic Damper, Add	*344.30*	
		For 3 Hour Rated, Add	*191.28*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	738.88	29.19
		For Dynamic Damper, Add	*351.72*	
		For 3 Hour Rated, Add	*195.40*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	758.87	31.27
		For Dynamic Damper, Add	*359.14*	
		For 3 Hour Rated, Add	*199.52*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	803.50	34.81
		For Dynamic Damper, Add	*377.61*	
		For 3 Hour Rated, Add	*209.78*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	787.05	27.73
		For Dynamic Damper, Add	*379.98*	
		For 3 Hour Rated, Add	*211.10*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	801.78	29.81
		For Dynamic Damper, Add	*384.56*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	818.62	32.73
		For Dynamic Damper, Add	*389.15*	
		For 3 Hour Rated, Add	*216.20*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	833.25	34.81
		For Dynamic Damper, Add	*393.68*	
		For 3 Hour Rated, Add	*218.71*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	864.89	38.15
		For Dynamic Damper, Add	*405.13*	
		For 3 Hour Rated, Add	*225.07*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	896.46	41.69
		For Dynamic Damper, Add	*416.55*	
		For 3 Hour Rated, Add	*231.42*	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.70	29.19
		For Dynamic Damper, Add	*384.56*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	818.61	31.27
		For Dynamic Damper, Add	*391.40*	
		For 3 Hour Rated, Add	*217.44*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	841.80	34.81
		For Dynamic Damper, Add	*398.29*	
		For 3 Hour Rated, Add	*221.27*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	873.39	38.15
		For Dynamic Damper, Add	*409.72*	
		For 3 Hour Rated, Add	*227.62*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.68	41.69
		For Dynamic Damper, Add	*418.83*	
		For 3 Hour Rated, Add	*232.68*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	932.26	45.03
		For Dynamic Damper, Add	*430.26*	
		For 3 Hour Rated, Add	*239.03*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	955.40	48.57
		For Dynamic Damper, Add	*437.12*	
		For 3 Hour Rated, Add	*242.84*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	814.45	31.27
		For Dynamic Damper, Add	*389.15*	
		For 3 Hour Rated, Add	*216.20*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	841.75	34.81
		For Dynamic Damper, Add	*398.27*	
		For 3 Hour Rated, Add	*221.26*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	869.11	38.15
		For Dynamic Damper, Add	*407.41*	
		For 3 Hour Rated, Add	*226.34*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	913.46	41.69
		For Dynamic Damper, Add	*425.73*	
		For 3 Hour Rated, Add	*236.52*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	936.53	45.03
		For Dynamic Damper, Add	*432.56*	
		For 3 Hour Rated, Add	*240.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	959.62	48.57
		For Dynamic Damper, Add	*439.40*	
		For 3 Hour Rated, Add	*244.11*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	986.98	52.12
		For Dynamic Damper, Add	*448.55*	
		For 3 Hour Rated, Add	*249.19*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,014.28	55.45
		For Dynamic Damper, Add	*457.66*	
		For 3 Hour Rated, Add	*254.26*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	833.94	34.81
		For Dynamic Damper, Add	*394.05*	
		For 3 Hour Rated, Add	*218.92*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	861.50	38.15
		For Dynamic Damper, Add	*403.30*	
		For 3 Hour Rated, Add	*224.06*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	883.36	41.69
		For Dynamic Damper, Add	*409.48*	
		For 3 Hour Rated, Add	*227.49*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	910.83	45.03
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	929.83	48.57
		For Dynamic Damper, Add	*423.31*	
		For 3 Hour Rated, Add	*235.17*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	948.77	52.12
		For Dynamic Damper, Add	*427.91*	
		For 3 Hour Rated, Add	*237.73*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	976.28	55.45
		For Dynamic Damper, Add	*437.14*	
		For 3 Hour Rated, Add	*242.86*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,014.22	62.54
		For Dynamic Damper, Add	*446.37*	
		For 3 Hour Rated, Add	*247.98*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,057.88	69.42
		For Dynamic Damper, Add	*458.69*	
		For 3 Hour Rated, Add	*254.83*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	861.50	38.15
		For Dynamic Damper, Add	*403.30*	
		For 3 Hour Rated, Add	*224.06*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	883.36	41.69
		For Dynamic Damper, Add	*409.48*	
		For 3 Hour Rated, Add	*227.49*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	910.83	45.03
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	932.67	48.57
		For Dynamic Damper, Add	*424.85*	
		For 3 Hour Rated, Add	*236.03*	
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	957.33	52.12
		For Dynamic Damper, Add	*432.53*	
		For 3 Hour Rated, Add	*240.30*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	981.96	55.45
		For Dynamic Damper, Add	*440.21*	
		For 3 Hour Rated, Add	*244.56*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,019.90	62.54
		For Dynamic Damper, Add	*449.44*	
		For 3 Hour Rated, Add	*249.69*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,057.88	69.42
		For Dynamic Damper, Add	*458.69*	
		For 3 Hour Rated, Add	*254.83*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,102.47	72.96
		For Dynamic Damper, Add	*477.14*	
		For 3 Hour Rated, Add	*265.08*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,151.82	79.84
		For Dynamic Damper, Add	*492.53*	
		For 3 Hour Rated, Add	*273.63*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.41	41.69
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	916.52	45.03
		For Dynamic Damper, Add	*421.76*	
		For 3 Hour Rated, Add	*234.31*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	932.67	48.57
		For Dynamic Damper, Add	*424.85*	
		For 3 Hour Rated, Add	*236.03*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	954.46	52.12
		For Dynamic Damper, Add	*430.98*	
		For 3 Hour Rated, Add	*239.44*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	983.02	55.45
		For Dynamic Damper, Add	*440.78*	
		For 3 Hour Rated, Add	*244.88*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,019.90	62.54
		For Dynamic Damper, Add	*449.44*	
		For 3 Hour Rated, Add	*249.69*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,063.60	69.42
		For Dynamic Damper, Add	*461.78*	
		For 3 Hour Rated, Add	*256.54*	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,107.25	76.29
		For Dynamic Damper, Add	*474.09*	
		For 3 Hour Rated, Add	*263.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,151.82	79.84
		For Dynamic Damper, Add	*492.53*	
		For 3 Hour Rated, Add	*273.63*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,208.42	85.47
		For Dynamic Damper, Add	*514.09*	
		For 3 Hour Rated, Add	*285.61*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,268.56	90.26
		For Dynamic Damper, Add	*538.69*	
		For 3 Hour Rated, Add	*299.27*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	945.77	45.03
		For Dynamic Damper, Add	*437.55*	
		For 3 Hour Rated, Add	*243.08*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	968.55	48.57
		For Dynamic Damper, Add	*444.22*	
		For 3 Hour Rated, Add	*246.79*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	991.36	52.12
		For Dynamic Damper, Add	*450.91*	
		For 3 Hour Rated, Add	*250.51*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,020.38	55.45
		For Dynamic Damper, Add	*460.95*	
		For 3 Hour Rated, Add	*256.09*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,050.55	62.54
		For Dynamic Damper, Add	*465.99*	
		For 3 Hour Rated, Add	*258.88*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,070.26	65.88
		For Dynamic Damper, Add	*471.00*	
		For 3 Hour Rated, Add	*261.67*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,132.52	76.29
		For Dynamic Damper, Add	*487.74*	
		For 3 Hour Rated, Add	*270.97*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,184.29	83.39
		For Dynamic Damper, Add	*504.44*	
		For 3 Hour Rated, Add	*280.24*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,229.79	86.09
		For Dynamic Damper, Add	*524.51*	
		For 3 Hour Rated, Add	*291.39*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,298.11	92.35
		For Dynamic Damper, Add	*551.27*	
		For 3 Hour Rated, Add	*306.26*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,356.01	97.14
		For Dynamic Damper, Add	*574.66*	
		For 3 Hour Rated, Add	*319.25*	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,416.00	100.68
		For Dynamic Damper, Add	*601.42*	
		For 3 Hour Rated, Add	*334.12*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,521.58	52.12
		For Dynamic Damper, Add	*742.86*	
		For 3 Hour Rated, Add	*412.70*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,565.21	55.45
		For Dynamic Damper, Add	*760.79*	
		For 3 Hour Rated, Add	*422.66*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,583.97	59.00
		For Dynamic Damper, Add	*765.29*	
		For 3 Hour Rated, Add	*425.16*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,602.74	62.54
		For Dynamic Damper, Add	*769.80*	
		For 3 Hour Rated, Add	*427.67*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,652.68	65.88
		For Dynamic Damper, Add	*785.51*	
		For 3 Hour Rated, Add	*436.40*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,692.25	69.42
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,756.78	79.84
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,810.83	86.71
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,877.45	92.35
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,983.43	97.14
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,049.96	102.77
		For Dynamic Damper, Add	*940.38*	
		For 3 Hour Rated, Add	*522.44*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,149.79	105.48
		For Dynamic Damper, Add	*989.79*	
		For 3 Hour Rated, Add	*549.88*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,249.63	111.10
		For Dynamic Damper, Add	*1,034.69*	
		For 3 Hour Rated, Add	*574.83*	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,548.63	52.12
		For Dynamic Damper, Add	*751.84*	
		For 3 Hour Rated, Add	*417.69*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,592.31	55.45
		For Dynamic Damper, Add	*769.80*	
		For 3 Hour Rated, Add	*427.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,627.72	59.00
		For Dynamic Damper, Add	*783.29*	
		For 3 Hour Rated, Add	*435.16*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,646.48	62.54
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,690.16	65.88
		For Dynamic Damper, Add	*805.75*	
		For 3 Hour Rated, Add	*447.64*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,733.80	69.42
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,817.10	83.39
		For Dynamic Damper, Add	*846.15*	
		For 3 Hour Rated, Add	*470.09*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,879.44	90.26
		For Dynamic Damper, Add	*868.56*	
		For 3 Hour Rated, Add	*482.54*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,983.43	97.14
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,079.10	104.22
		For Dynamic Damper, Add	*953.87*	
		For 3 Hour Rated, Add	*529.93*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,183.05	111.10
		For Dynamic Damper, Add	*998.74*	
		For 3 Hour Rated, Add	*554.86*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,268.29	114.44
		For Dynamic Damper, Add	*1,039.14*	
		For 3 Hour Rated, Add	*577.30*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,353.57	117.98
		For Dynamic Damper, Add	*1,079.57*	
		For 3 Hour Rated, Add	*599.76*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,438.87	121.53
		For Dynamic Damper, Add	*1,120.00*	
		For 3 Hour Rated, Add	*622.22*	
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,583.97	55.45
		For Dynamic Damper, Add	*765.29*	
		For 3 Hour Rated, Add	*425.16*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,627.72	59.00
		For Dynamic Damper, Add	*783.29*	
		For 3 Hour Rated, Add	*435.16*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,646.48	62.54
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,692.25	69.42
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,746.35	76.29
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,800.41	83.39
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,871.20	90.26
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,941.88	97.14
		For Dynamic Damper, Add	*891.03*	
		For 3 Hour Rated, Add	*495.02*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,037.55	104.22
		For Dynamic Damper, Add	*931.43*	
		For 3 Hour Rated, Add	*517.46*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,149.79	111.10
		For Dynamic Damper, Add	*980.78*	
		For 3 Hour Rated, Add	*544.88*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,235.13	114.44
		For Dynamic Damper, Add	*1,021.24*	
		For 3 Hour Rated, Add	*567.35*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,345.23	117.98
		For Dynamic Damper, Add	*1,075.06*	
		For 3 Hour Rated, Add	*597.26*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,440.95	124.86
		For Dynamic Damper, Add	*1,115.49*	
		For 3 Hour Rated, Add	*619.72*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,551.16	128.41
		For Dynamic Damper, Add	*1,169.38*	
		For 3 Hour Rated, Add	*649.66*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,648.90	138.83
		For Dynamic Damper, Add	*1,205.27*	
		For 3 Hour Rated, Add	*669.60*	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,619.38	59.00
		For Dynamic Damper, Add	*778.78*	
		For 3 Hour Rated, Add	*432.66*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,663.06	62.54
		For Dynamic Damper, Add	*796.74*	
		For 3 Hour Rated, Add	*442.64*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,717.17	69.42
		For Dynamic Damper, Add	*814.70*	
		For 3 Hour Rated, Add	*452.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,746.35	76.29
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,804.63	83.39
		For Dynamic Damper, Add	*839.42*	
		For 3 Hour Rated, Add	*466.34*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,862.86	90.26
		For Dynamic Damper, Add	*859.61*	
		For 3 Hour Rated, Add	*477.56*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,933.59	97.14
		For Dynamic Damper, Add	*886.55*	
		For 3 Hour Rated, Add	*492.53*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,004.28	104.22
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,099.95	111.10
		For Dynamic Damper, Add	*953.87*	
		For 3 Hour Rated, Add	*529.93*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,220.58	117.98
		For Dynamic Damper, Add	*1,007.75*	
		For 3 Hour Rated, Add	*559.86*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,314.06	121.53
		For Dynamic Damper, Add	*1,052.60*	
		For 3 Hour Rated, Add	*584.78*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,432.66	124.86
		For Dynamic Damper, Add	*1,111.02*	
		For 3 Hour Rated, Add	*617.23*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,553.19	131.95
		For Dynamic Damper, Add	*1,164.85*	
		For 3 Hour Rated, Add	*647.14*	
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,648.90	138.83
		For Dynamic Damper, Add	*1,205.27*	
		For 3 Hour Rated, Add	*669.60*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,779.90	149.25
		For Dynamic Damper, Add	*1,259.13*	
		For 3 Hour Rated, Add	*699.52*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,883.90	156.13
		For Dynamic Damper, Add	*1,304.04*	
		For 3 Hour Rated, Add	*724.46*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,646.48	62.54
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,708.83	69.42
		For Dynamic Damper, Add	*810.20*	
		For 3 Hour Rated, Add	*450.11*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,754.64	76.29
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,783.78	83.39
		For Dynamic Damper, Add	*828.16*	
		For 3 Hour Rated, Add	*460.09*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,850.40	90.26
		For Dynamic Damper, Add	*852.88*	
		For 3 Hour Rated, Add	*473.82*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,916.96	97.14
		For Dynamic Damper, Add	*877.57*	
		For 3 Hour Rated, Add	*487.54*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,983.48	104.22
		For Dynamic Damper, Add	*902.23*	
		For 3 Hour Rated, Add	*501.24*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,050.05	111.10
		For Dynamic Damper, Add	*926.92*	
		For 3 Hour Rated, Add	*514.96*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,170.63	117.98
		For Dynamic Damper, Add	*980.78*	
		For 3 Hour Rated, Add	*544.88*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,280.90	121.53
		For Dynamic Damper, Add	*1,034.69*	
		For 3 Hour Rated, Add	*574.83*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,382.72	124.86
		For Dynamic Damper, Add	*1,084.05*	
		For 3 Hour Rated, Add	*602.25*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,519.97	131.95
		For Dynamic Damper, Add	*1,146.91*	
		For 3 Hour Rated, Add	*637.17*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,640.56	138.83
		For Dynamic Damper, Add	*1,200.77*	
		For 3 Hour Rated, Add	*667.10*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,769.49	145.71
		For Dynamic Damper, Add	*1,259.13*	
		For 3 Hour Rated, Add	*699.52*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,873.47	152.80
		For Dynamic Damper, Add	*1,304.04*	
		For 3 Hour Rated, Add	*724.46*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,002.40	159.68
		For Dynamic Damper, Add	*1,362.40*	
		For 3 Hour Rated, Add	*756.89*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,131.33	166.56
		For Dynamic Damper, Add	*1,420.76*	
		For 3 Hour Rated, Add	*789.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,692.25	69.42
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,754.64	76.29
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,792.12	83.39
		For Dynamic Damper, Add	*832.66*	
		For 3 Hour Rated, Add	*462.59*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,821.25	90.26
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,892.04	97.14
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,962.73	104.22
		For Dynamic Damper, Add	*891.03*	
		For 3 Hour Rated, Add	*495.02*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,037.59	111.10
		For Dynamic Damper, Add	*920.19*	
		For 3 Hour Rated, Add	*511.22*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,112.50	117.98
		For Dynamic Damper, Add	*949.39*	
		For 3 Hour Rated, Add	*527.44*	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,231.01	121.53
		For Dynamic Damper, Add	*1,007.75*	
		For 3 Hour Rated, Add	*559.86*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,341.16	124.86
		For Dynamic Damper, Add	*1,061.61*	
		For 3 Hour Rated, Add	*589.78*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,470.13	131.95
		For Dynamic Damper, Add	*1,120.00*	
		For 3 Hour Rated, Add	*622.22*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,599.06	138.83
		For Dynamic Damper, Add	*1,178.36*	
		For 3 Hour Rated, Add	*654.65*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,703.01	145.71
		For Dynamic Damper, Add	*1,223.24*	
		For 3 Hour Rated, Add	*679.58*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,856.84	152.80
		For Dynamic Damper, Add	*1,295.06*	
		For 3 Hour Rated, Add	*719.48*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,994.11	159.68
		For Dynamic Damper, Add	*1,357.92*	
		For 3 Hour Rated, Add	*754.40*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,131.33	166.56
		For Dynamic Damper, Add	*1,420.76*	
		For 3 Hour Rated, Add	*789.31*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,251.85	173.64
		For Dynamic Damper, Add	*1,474.59*	
		For 3 Hour Rated, Add	*819.22*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,372.59	180.52
		For Dynamic Damper, Add	*1,528.53*	
		For 3 Hour Rated, Add	*849.18*	

23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.35	15.43
		For Dynamic Damper, Add	*58.36*	
		For 3 Hour Rated, Add	*32.42*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.16	16.12
		For Dynamic Damper, Add	*59.83*	
		For 3 Hour Rated, Add	*33.24*	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.18	16.26
		For Dynamic Damper, Add	*61.31*	
		For 3 Hour Rated, Add	*34.06*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.18	16.26
		For Dynamic Damper, Add	*61.31*	
		For 3 Hour Rated, Add	*34.06*	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.30	16.68
		For Dynamic Damper, Add	*62.79*	
		For 3 Hour Rated, Add	*34.88*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.32	18.49
		For Dynamic Damper, Add	*65.73*	
		For 3 Hour Rated, Add	*36.52*	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.30	16.68
		For Dynamic Damper, Add	*62.79*	
		For 3 Hour Rated, Add	*34.88*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.54	17.65
		For Dynamic Damper, Add	*65.73*	
		For 3 Hour Rated, Add	*36.52*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.07	18.49
		For Dynamic Damper, Add	*67.22*	
		For 3 Hour Rated, Add	*37.34*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.75	20.85
		For Dynamic Damper, Add	*68.69*	
		For 3 Hour Rated, Add	*38.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.19	17.65
		For Dynamic Damper, Add	*65.01*	
		For 3 Hour Rated, Add	*36.11*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.07	18.49
		For Dynamic Damper, Add	*67.22*	
		For 3 Hour Rated, Add	*37.34*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.57	19.45
		For Dynamic Damper, Add	*68.69*	
		For 3 Hour Rated, Add	*38.16*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.50	20.85
		For Dynamic Damper, Add	*70.18*	
		For 3 Hour Rated, Add	*38.99*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.29	23.21
		For Dynamic Damper, Add	*73.87*	
		For 3 Hour Rated, Add	*41.04*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.72	18.49
		For Dynamic Damper, Add	*121.03*	
		For 3 Hour Rated, Add	*67.24*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.62	19.87
		For Dynamic Damper, Add	*122.50*	
		For 3 Hour Rated, Add	*68.06*	
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.92	21.81
		For Dynamic Damper, Add	*123.99*	
		For 3 Hour Rated, Add	*68.88*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.81	23.21
		For Dynamic Damper, Add	*125.45*	
		For 3 Hour Rated, Add	*69.70*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.64	25.43
		For Dynamic Damper, Add	*129.17*	
		For 3 Hour Rated, Add	*71.76*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.43	27.80
		For Dynamic Damper, Add	*132.86*	
		For 3 Hour Rated, Add	*73.81*	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.22	19.45
		For Dynamic Damper, Add	*122.50*	
		For 3 Hour Rated, Add	*68.06*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.51	20.85
		For Dynamic Damper, Add	*124.72*	
		For 3 Hour Rated, Add	*69.29*	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.58	23.21
		For Dynamic Damper, Add	*126.95*	
		For 3 Hour Rated, Add	*70.53*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.37	25.43
		For Dynamic Damper, Add	*130.64*	
		For 3 Hour Rated, Add	*72.58*	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.78	27.80
		For Dynamic Damper, Add	*133.59*	
		For 3 Hour Rated, Add	*74.22*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.58	30.02
		For Dynamic Damper, Add	*137.30*	
		For 3 Hour Rated, Add	*76.28*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.62	32.38
		For Dynamic Damper, Add	*139.51*	
		For 3 Hour Rated, Add	*77.51*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.15	20.85
		For Dynamic Damper, Add	*123.99*	
		For 3 Hour Rated, Add	*68.88*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.56	23.21
		For Dynamic Damper, Add	*126.94*	
		For 3 Hour Rated, Add	*70.52*	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.00	25.43
		For Dynamic Damper, Add	*129.90*	
		For 3 Hour Rated, Add	*72.17*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.91	27.80
		For Dynamic Damper, Add	*135.82*	
		For 3 Hour Rated, Add	*75.46*	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.95	30.02
		For Dynamic Damper, Add	*138.03*	
		For 3 Hour Rated, Add	*76.69*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.00	32.38
		For Dynamic Damper, Add	*140.25*	
		For 3 Hour Rated, Add	*77.92*	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.41	34.74
		For Dynamic Damper, Add	*143.20*	
		For 3 Hour Rated, Add	*79.56*	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.82	36.97
		For Dynamic Damper, Add	*146.15*	
		For 3 Hour Rated, Add	*81.20*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.01	23.21
		For Dynamic Damper, Add	*171.46*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.20	25.43
		For Dynamic Damper, Add	*175.91*	
		For 3 Hour Rated, Add	*97.73*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.63	27.80
		For Dynamic Damper, Add	*178.87*	
		For 3 Hour Rated, Add	*99.37*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.78	30.02
		For Dynamic Damper, Add	*183.30*	
		For 3 Hour Rated, Add	*101.84*	

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23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.82	32.38
		For Dynamic Damper, Add	*185.52*	
		For 3 Hour Rated, Add	*103.07*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.86	34.74
		For Dynamic Damper, Add	*187.73*	
		For 3 Hour Rated, Add	*104.29*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.02	36.97
		For Dynamic Damper, Add	*192.16*	
		For 3 Hour Rated, Add	*106.76*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.13	41.69
		For Dynamic Damper, Add	*196.59*	
		For 3 Hour Rated, Add	*109.22*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.99	46.27
		For Dynamic Damper, Add	*202.51*	
		For 3 Hour Rated, Add	*112.51*	
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.20	25.43
		For Dynamic Damper, Add	*175.91*	
		For 3 Hour Rated, Add	*97.73*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.63	27.80
		For Dynamic Damper, Add	*178.87*	
		For 3 Hour Rated, Add	*99.37*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.78	30.02
		For Dynamic Damper, Add	*183.30*	
		For 3 Hour Rated, Add	*101.84*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.18	32.38
		For Dynamic Damper, Add	*186.25*	
		For 3 Hour Rated, Add	*103.47*	
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.96	34.74
		For Dynamic Damper, Add	*189.94*	
		For 3 Hour Rated, Add	*105.52*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.75	36.97
		For Dynamic Damper, Add	*193.63*	
		For 3 Hour Rated, Add	*107.57*	
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.86	41.69
		For Dynamic Damper, Add	*198.07*	
		For 3 Hour Rated, Add	*110.04*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.99	46.27
		For Dynamic Damper, Add	*202.51*	
		For 3 Hour Rated, Add	*112.51*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.35	48.64
		For Dynamic Damper, Add	*211.37*	
		For 3 Hour Rated, Add	*117.43*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.93	53.22
		For Dynamic Damper, Add	*218.76*	
		For 3 Hour Rated, Add	*121.54*	
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.84	27.80
		For Dynamic Damper, Add	*183.30*	
		For 3 Hour Rated, Add	*101.84*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.49	30.02
		For Dynamic Damper, Add	*184.77*	
		For 3 Hour Rated, Add	*102.65*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.18	32.38
		For Dynamic Damper, Add	*186.25*	
		For 3 Hour Rated, Add	*103.47*	
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.59	34.74
		For Dynamic Damper, Add	*189.20*	
		For 3 Hour Rated, Add	*105.11*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.27	36.97
		For Dynamic Damper, Add	*193.91*	
		For 3 Hour Rated, Add	*107.73*	
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.86	41.69
		For Dynamic Damper, Add	*198.07*	
		For 3 Hour Rated, Add	*110.04*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.72	46.27
		For Dynamic Damper, Add	*203.99*	
		For 3 Hour Rated, Add	*113.33*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	541.57	50.86
		For Dynamic Damper, Add	*209.90*	
		For 3 Hour Rated, Add	*116.61*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.93	53.22
		For Dynamic Damper, Add	*218.76*	
		For 3 Hour Rated, Add	*121.54*	
23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	595.22	56.97
		For Dynamic Damper, Add	*229.12*	
		For 3 Hour Rated, Add	*127.29*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.83	60.17
		For Dynamic Damper, Add	*240.93*	
		For 3 Hour Rated, Add	*133.85*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.67	30.02
		For Dynamic Damper, Add	*190.26*	
		For 3 Hour Rated, Add	*105.70*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.33	32.38
		For Dynamic Damper, Add	*193.35*	
		For 3 Hour Rated, Add	*107.42*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.00	34.74
		For Dynamic Damper, Add	*196.44*	
		For 3 Hour Rated, Add	*109.13*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.56	36.97
		For Dynamic Damper, Add	*201.09*	
		For 3 Hour Rated, Add	*111.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.79	41.69
		For Dynamic Damper, Add	*203.43*	
		For 3 Hour Rated, Add	*113.02*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.04	43.91
		For Dynamic Damper, Add	*205.75*	
		For 3 Hour Rated, Add	*114.31*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.21	50.86
		For Dynamic Damper, Add	*213.49*	
		For 3 Hour Rated, Add	*118.61*	
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	576.42	55.59
		For Dynamic Damper, Add	*221.22*	
		For 3 Hour Rated, Add	*122.90*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.20	57.40
		For Dynamic Damper, Add	*230.52*	
		For 3 Hour Rated, Add	*128.06*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	634.63	61.56
		For Dynamic Damper, Add	*242.89*	
		For 3 Hour Rated, Add	*134.94*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.43	64.76
		For Dynamic Damper, Add	*253.73*	
		For 3 Hour Rated, Add	*140.96*	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.32	67.12
		For Dynamic Damper, Add	*266.12*	
		For 3 Hour Rated, Add	*147.84*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.25	34.74
		For Dynamic Damper, Add	*224.09*	
		For 3 Hour Rated, Add	*124.49*	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.66	36.97
		For Dynamic Damper, Add	*230.28*	
		For 3 Hour Rated, Add	*127.93*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.48	39.32
		For Dynamic Damper, Add	*231.83*	
		For 3 Hour Rated, Add	*128.79*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.30	41.69
		For Dynamic Damper, Add	*233.38*	
		For 3 Hour Rated, Add	*129.65*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.25	43.91
		For Dynamic Damper, Add	*238.80*	
		For 3 Hour Rated, Add	*132.67*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.24	46.27
		For Dynamic Damper, Add	*244.23*	
		For 3 Hour Rated, Add	*135.68*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.54	53.22
		For Dynamic Damper, Add	*250.41*	
		For 3 Hour Rated, Add	*139.12*	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	648.92	57.81
		For Dynamic Damper, Add	*256.61*	
		For 3 Hour Rated, Add	*142.56*	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	677.24	61.56
		For Dynamic Damper, Add	*265.90*	
		For 3 Hour Rated, Add	*147.72*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.50	64.76
		For Dynamic Damper, Add	*282.93*	
		For 3 Hour Rated, Add	*157.18*	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	746.79	68.51
		For Dynamic Damper, Add	*292.20*	
		For 3 Hour Rated, Add	*162.34*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	783.90	70.32
		For Dynamic Damper, Add	*309.24*	
		For 3 Hour Rated, Add	*171.80*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.70	74.07
		For Dynamic Damper, Add	*324.73*	
		For 3 Hour Rated, Add	*180.41*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.94	34.74
		For Dynamic Damper, Add	*227.19*	
		For 3 Hour Rated, Add	*126.22*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	543.35	36.97
		For Dynamic Damper, Add	*233.38*	
		For 3 Hour Rated, Add	*129.65*	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.93	39.32
		For Dynamic Damper, Add	*238.04*	
		For 3 Hour Rated, Add	*132.24*	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.75	41.69
		For Dynamic Damper, Add	*239.59*	
		For 3 Hour Rated, Add	*133.10*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.16	43.91
		For Dynamic Damper, Add	*245.78*	
		For 3 Hour Rated, Add	*136.54*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.57	46.27
		For Dynamic Damper, Add	*251.96*	
		For 3 Hour Rated, Add	*139.98*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.71	55.59
		For Dynamic Damper, Add	*259.71*	
		For 3 Hour Rated, Add	*144.29*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.92	60.17
		For Dynamic Damper, Add	*267.44*	
		For 3 Hour Rated, Add	*148.58*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.50	64.76
		For Dynamic Damper, Add	*282.93*	
		For 3 Hour Rated, Add	*157.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	758.21	69.49
		For Dynamic Damper, Add	*296.87*	
		For 3 Hour Rated, Add	*164.93*	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	800.74	74.07
		For Dynamic Damper, Add	*312.33*	
		For 3 Hour Rated, Add	*173.52*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	833.50	76.29
		For Dynamic Damper, Add	*326.27*	
		For 3 Hour Rated, Add	*181.26*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	866.26	78.66
		For Dynamic Damper, Add	*340.21*	
		For 3 Hour Rated, Add	*189.00*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	899.02	81.02
		For Dynamic Damper, Add	*354.14*	
		For 3 Hour Rated, Add	*196.75*	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.48	36.97
		For Dynamic Damper, Add	*231.83*	
		For 3 Hour Rated, Add	*128.79*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.93	39.32
		For Dynamic Damper, Add	*238.04*	
		For 3 Hour Rated, Add	*132.24*	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.75	41.69
		For Dynamic Damper, Add	*239.59*	
		For 3 Hour Rated, Add	*133.10*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.24	46.27
		For Dynamic Damper, Add	*244.23*	
		For 3 Hour Rated, Add	*135.68*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.59	50.86
		For Dynamic Damper, Add	*250.41*	
		For 3 Hour Rated, Add	*139.12*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	641.97	55.59
		For Dynamic Damper, Add	*256.61*	
		For 3 Hour Rated, Add	*142.56*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	673.07	60.17
		For Dynamic Damper, Add	*265.90*	
		For 3 Hour Rated, Add	*147.72*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	704.15	64.76
		For Dynamic Damper, Add	*275.18*	
		For 3 Hour Rated, Add	*152.88*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	743.86	69.49
		For Dynamic Damper, Add	*289.12*	
		For 3 Hour Rated, Add	*160.62*	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	789.28	74.07
		For Dynamic Damper, Add	*306.14*	
		For 3 Hour Rated, Add	*170.08*	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	822.06	76.29
		For Dynamic Damper, Add	*320.09*	
		For 3 Hour Rated, Add	*177.83*	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	863.39	78.66
		For Dynamic Damper, Add	*338.66*	
		For 3 Hour Rated, Add	*188.14*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	903.10	83.24
		For Dynamic Damper, Add	*352.59*	
		For 3 Hour Rated, Add	*195.89*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	944.45	85.61
		For Dynamic Damper, Add	*371.17*	
		For 3 Hour Rated, Add	*206.21*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	988.22	92.56
		For Dynamic Damper, Add	*383.56*	
		For 3 Hour Rated, Add	*213.09*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.06	39.32
		For Dynamic Damper, Add	*236.49*	
		For 3 Hour Rated, Add	*131.38*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.47	41.69
		For Dynamic Damper, Add	*242.68*	
		For 3 Hour Rated, Add	*134.82*	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.83	46.27
		For Dynamic Damper, Add	*248.86*	
		For 3 Hour Rated, Add	*138.26*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.59	50.86
		For Dynamic Damper, Add	*250.41*	
		For 3 Hour Rated, Add	*139.12*	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	643.41	55.59
		For Dynamic Damper, Add	*257.39*	
		For 3 Hour Rated, Add	*143.00*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	670.20	60.17
		For Dynamic Damper, Add	*264.35*	
		For 3 Hour Rated, Add	*146.86*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	701.30	64.76
		For Dynamic Damper, Add	*273.64*	
		For 3 Hour Rated, Add	*152.02*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	732.40	69.49
		For Dynamic Damper, Add	*282.93*	
		For 3 Hour Rated, Add	*157.18*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	772.10	74.07
		For Dynamic Damper, Add	*296.87*	
		For 3 Hour Rated, Add	*164.93*	
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	820.38	78.66
		For Dynamic Damper, Add	*315.43*	
		For 3 Hour Rated, Add	*175.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	855.99	81.02
		For Dynamic Damper, Add	*330.91*	
		For 3 Hour Rated, Add	*183.84*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.23	83.24
		For Dynamic Damper, Add	*351.04*	
		For 3 Hour Rated, Add	*195.02*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	948.51	87.97
		For Dynamic Damper, Add	*369.61*	
		For 3 Hour Rated, Add	*205.34*	
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	988.22	92.56
		For Dynamic Damper, Add	*383.56*	
		For 3 Hour Rated, Add	*213.09*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,043.46	99.50
		For Dynamic Damper, Add	*402.13*	
		For 3 Hour Rated, Add	*223.40*	
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,086.04	104.08
		For Dynamic Damper, Add	*417.61*	
		For 3 Hour Rated, Add	*232.01*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.75	41.69
		For Dynamic Damper, Add	*239.59*	
		For 3 Hour Rated, Add	*133.10*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	596.96	46.27
		For Dynamic Damper, Add	*247.31*	
		For 3 Hour Rated, Add	*137.40*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.46	50.86
		For Dynamic Damper, Add	*251.96*	
		For 3 Hour Rated, Add	*139.98*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	636.21	55.59
		For Dynamic Damper, Add	*253.50*	
		For 3 Hour Rated, Add	*140.84*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	665.90	60.17
		For Dynamic Damper, Add	*262.03*	
		For 3 Hour Rated, Add	*145.57*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	695.56	64.76
		For Dynamic Damper, Add	*270.54*	
		For 3 Hour Rated, Add	*150.30*	
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	725.22	69.49
		For Dynamic Damper, Add	*279.05*	
		For 3 Hour Rated, Add	*155.03*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	754.88	74.07
		For Dynamic Damper, Add	*287.57*	
		For 3 Hour Rated, Add	*159.76*	
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	803.18	78.66
		For Dynamic Damper, Add	*306.14*	
		For 3 Hour Rated, Add	*170.08*	
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	844.55	81.02
		For Dynamic Damper, Add	*324.73*	
		For 3 Hour Rated, Add	*180.41*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	883.03	83.24
		For Dynamic Damper, Add	*341.76*	
		For 3 Hour Rated, Add	*189.86*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	937.07	87.97
		For Dynamic Damper, Add	*363.43*	
		For 3 Hour Rated, Add	*201.91*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	985.35	92.56
		For Dynamic Damper, Add	*382.01*	
		For 3 Hour Rated, Add	*212.23*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,036.51	97.14
		For Dynamic Damper, Add	*402.13*	
		For 3 Hour Rated, Add	*223.40*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,079.09	101.86
		For Dynamic Damper, Add	*417.61*	
		For 3 Hour Rated, Add	*232.01*	
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,130.26	106.45
		For Dynamic Damper, Add	*437.74*	
		For 3 Hour Rated, Add	*243.19*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,181.43	111.03
		For Dynamic Damper, Add	*457.87*	
		For 3 Hour Rated, Add	*254.37*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.24	46.27
		For Dynamic Damper, Add	*244.23*	
		For 3 Hour Rated, Add	*135.68*	
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.46	50.86
		For Dynamic Damper, Add	*251.96*	
		For 3 Hour Rated, Add	*139.98*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.08	55.59
		For Dynamic Damper, Add	*255.05*	
		For 3 Hour Rated, Add	*141.70*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	655.87	60.17
		For Dynamic Damper, Add	*256.61*	
		For 3 Hour Rated, Add	*142.56*	
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	686.97	64.76
		For Dynamic Damper, Add	*265.90*	
		For 3 Hour Rated, Add	*147.72*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.05	69.49
		For Dynamic Damper, Add	*275.18*	
		For 3 Hour Rated, Add	*152.88*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.57	74.07
		For Dynamic Damper, Add	*285.24*	
		For 3 Hour Rated, Add	*158.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	783.11	78.66
		For Dynamic Damper, Add	*295.30*	
		For 3 Hour Rated, Add	*164.06*	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	827.33	81.02
		For Dynamic Damper, Add	*315.43*	
		For 3 Hour Rated, Add	*175.24*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	868.68	83.24
		For Dynamic Damper, Add	*334.01*	
		For 3 Hour Rated, Add	*185.56*	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	919.87	87.97
		For Dynamic Damper, Add	*354.14*	
		For 3 Hour Rated, Add	*196.75*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	971.02	92.56
		For Dynamic Damper, Add	*374.27*	
		For 3 Hour Rated, Add	*207.93*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,013.57	97.14
		For Dynamic Damper, Add	*389.74*	
		For 3 Hour Rated, Add	*216.52*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,073.33	101.86
		For Dynamic Damper, Add	*414.50*	
		For 3 Hour Rated, Add	*230.28*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,127.37	106.45
		For Dynamic Damper, Add	*436.18*	
		For 3 Hour Rated, Add	*242.32*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,181.43	111.03
		For Dynamic Damper, Add	*457.87*	
		For 3 Hour Rated, Add	*254.37*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,229.68	115.76
		For Dynamic Damper, Add	*476.42*	
		For 3 Hour Rated, Add	*264.68*	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,278.02	120.35
		For Dynamic Damper, Add	*495.02*	
		For 3 Hour Rated, Add	*275.01*	

23 33 13 19-0345 Motorized Combination Fire/Smoke Damper (Dayton) *(23 33 13 19)*

Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.

23 33 13 19-0346	EA	8" Width x 8" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ9)	672.72	25.29
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0347	EA	10" Width x 10" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK1)	686.70	26.40
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0348	EA	12" Width x 12" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK2)	743.87	27.80
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0349	EA	16" Width x 16" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK3)	779.61	29.33
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0350	EA	18" Width x 18" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK4)	834.49	30.86
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0351	EA	24" Width x 24" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK5)	911.06	32.66
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0352	EA	8" Width x 8" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ3)	675.25	25.29
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0353	EA	10" Width x 10" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ4)	675.23	26.40
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0354	EA	12" Width x 12" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ5)	743.82	27.80
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0355	EA	16" Width x 16" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ6)	779.61	29.33
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0356	EA	18" Width x 18" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ7)	834.49	30.86
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0357	EA	24" Width x 24" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ8)	892.26	32.66
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	113.29	15.43
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	137.71	16.12
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	167.76	16.26
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	160.33	16.26
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	152.85	16.68
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	184.12	18.49
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	142.57	16.68
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	178.97	18.49
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	170.68	19.45
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	197.34	20.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	160.77	17.65
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	163.19	19.45
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	193.60	20.85
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	170.30	23.21
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	194.06	25.43
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	178.97	18.49
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	182.35	20.85
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	165.51	23.21
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	184.69	23.21
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	210.86	25.43
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	236.99	27.80
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	159.46	19.45
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	148.93	20.85
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	177.48	23.21
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	206.03	25.43
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	234.58	27.80
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	268.67	30.02
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	304.85	34.74
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	246.37	36.97
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	287.29	41.69
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	174.86	20.85
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	165.51	23.21
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	196.44	25.43
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	227.40	27.80
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	263.71	30.02
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	295.42	32.38
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	246.37	36.97
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	261.39	36.97
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	305.32	41.69
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	349.25	46.27
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	324.52	50.86
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	359.86	55.59
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	155.88	23.21
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	191.64	25.43
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	227.40	27.80
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	268.67	30.02
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	230.39	34.74
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	255.37	36.97
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	287.29	41.69
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	305.32	41.69
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	355.27	46.27
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	333.08	50.86
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	372.75	55.59
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	412.38	60.17
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	400.55	64.76
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	435.04	69.49
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	455.64	69.49
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	170.30	23.21
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	210.86	25.43
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	263.71	30.02
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	230.39	34.74
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	258.38	36.97
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	293.31	41.69
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	328.25	46.27
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	349.25	46.27
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	333.08	50.86
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	377.04	55.59
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	420.97	60.17
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	424.73	69.49
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	448.77	69.49
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	486.67	74.07
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	524.62	78.66
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	548.66	78.66
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	544.54	83.24
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	565.54	83.24
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	191.64	25.43
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	248.86	30.02
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	295.42	32.38
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	255.37	36.97
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	293.31	41.69
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	331.23	46.27
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	293.45	46.27
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	324.52	50.86
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	372.75	55.59
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	420.97	60.17
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	428.18	69.49
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	455.64	69.49
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	496.99	74.07
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	538.35	78.66
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	538.52	83.24
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	562.56	83.24
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	600.47	87.97
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	624.52	87.97
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	607.49	92.56
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	628.08	92.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	662.58	97.14
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	206.03	25.43
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	275.61	32.38
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	246.37	36.97
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	287.29	41.69
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	328.25	46.27
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	293.45	46.27
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	326.65	50.86
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	359.86	55.59
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	412.38	60.17
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	424.73	69.49
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	455.64	69.49
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	500.40	74.07
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	545.21	78.66
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	547.51	83.24
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	588.47	87.97
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	615.49	87.97
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	602.35	92.56
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	625.51	92.56
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	662.58	97.14
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	685.75	97.14
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	708.94	97.14
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	227.40	27.80
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	302.37	34.74
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	261.39	36.97
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	305.32	41.69
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	349.25	46.27
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	324.52	50.86
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	359.86	55.59
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	395.20	60.17
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	400.55	64.76
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	448.77	69.49
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	496.99	74.07
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	545.21	78.66
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	550.52	83.24
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	594.46	87.97
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	624.52	87.97
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	599.78	92.56
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	253.81	30.02
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	243.36	36.97
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	290.30	41.69
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	337.24	46.27
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	318.06	50.86
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	355.57	55.59
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	379.17	55.59
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	416.68	60.17
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	435.04	69.49
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	486.67	74.07
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	538.35	78.66
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	547.51	83.24
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	594.46	87.97
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	627.50	87.97
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	617.80	92.56
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	631.94	92.56
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	275.61	32.38
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	255.37	36.97
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	305.32	41.69
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	293.45	46.27
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	333.08	50.86
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	372.75	55.59
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	412.38	60.17
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	400.55	64.76
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	455.64	69.49
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	524.62	78.66
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	538.52	83.24
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	588.47	87.97
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	624.52	87.97
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	617.80	92.56
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	662.58	97.14
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	678.03	97.14
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	283.04	32.38
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	275.29	41.69
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	326.74	46.27
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	313.77	50.86
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	354.50	55.59
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	395.20	60.17
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	435.94	64.76
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	423.00	69.49
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	479.81	74.07
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	536.62	78.66
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	550.52	83.24
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	601.98	87.97
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	599.78	92.56
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	631.94	92.56
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	678.03	97.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	694.12	97.14

23 33 13 23-0183 Vertically Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	123.45	15.43
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	151.28	16.12
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	155.85	16.26
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	163.00	16.26
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	178.68	16.68
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	198.54	18.49
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	200.12	16.68
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	227.12	18.49
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	229.89	19.45
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	241.22	20.85
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	193.87	17.65
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	204.66	19.45
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	219.28	20.85
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	226.23	23.21
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	243.62	25.43
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	238.44	18.49
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	250.63	20.85
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	219.21	23.21
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	219.21	23.21
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	242.77	25.43
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	249.72	27.80
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	233.00	19.45
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	237.18	20.85
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	256.60	23.21
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	276.03	25.43
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	282.98	27.80
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	289.92	30.02
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	307.98	34.74
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	304.65	36.97
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	334.03	41.69
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	271.50	20.85
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	286.20	23.21
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	293.15	25.43
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	315.55	27.80
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	322.49	30.02
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	329.43	32.38
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	354.96	36.97
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	358.82	36.97
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	372.72	41.69
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	394.36	46.27
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	423.74	50.86
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	437.64	55.59
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	348.11	23.21
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	355.06	25.43
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	362.01	27.80
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	368.95	30.02
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	394.44	34.74
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	420.73	36.97
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	434.63	41.69
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	434.63	41.69
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	386.62	46.27
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	366.12	50.86
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	380.02	55.59
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	404.08	60.17
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	423.05	64.76
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	436.95	69.49
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	436.95	69.49
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	313.22	23.21
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	320.17	25.43
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	334.06	30.02
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	353.03	34.74
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	365.06	36.97
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	378.96	41.69
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	392.86	46.27
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	413.17	46.27
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	427.06	50.86
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	440.96	55.59
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	459.94	60.17
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	492.82	69.49
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	492.82	69.49
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	529.56	74.07
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	496.69	78.66
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	496.69	78.66
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	510.59	83.24
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	521.43	83.24
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	349.89	25.43
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	363.78	30.02
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	375.07	32.38
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	397.63	36.97
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	428.89	41.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	442.79	46.27
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	442.79	46.27
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	465.37	50.86
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	479.27	55.59
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	493.17	60.17
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	520.97	69.49
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	534.01	69.49
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	556.58	74.07
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	583.49	78.66
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	597.39	83.24
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	597.39	83.24
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	615.61	87.97
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	630.82	87.97
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	613.26	92.56
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	613.26	92.56
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	641.14	97.14
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	427.72	25.43
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	456.55	32.38
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	470.45	36.97
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	484.35	41.69
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	522.20	46.27
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	522.20	46.27
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	536.09	50.86
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	557.98	55.59
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	575.86	60.17
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	607.64	69.49
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	607.64	69.49
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	653.48	74.07
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	667.38	78.66
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	681.28	83.24
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	703.17	87.97
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	711.16	87.97
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	725.04	92.56
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	727.02	92.56
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	770.85	97.14
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	770.85	97.14
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	770.85	97.14
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	582.38	27.80
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	607.19	34.74
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	614.14	36.97
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	636.04	41.69
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	608.94	46.27
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	622.83	50.86
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	665.19	55.59
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	679.09	60.17
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	707.25	64.76
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	721.15	69.49
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	735.04	74.07
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	748.94	78.66
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	784.19	83.24
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	812.32	87.97
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	812.32	87.97
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	847.58	92.56
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	659.98	30.02
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	687.94	36.97
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	723.19	41.69
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	737.09	46.27
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	775.90	50.86
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	793.37	55.59
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	793.37	55.59
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	823.29	60.17
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	785.23	69.49
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	805.51	74.07
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	851.45	78.66
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	865.35	83.24
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	892.07	87.97
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	898.50	87.97
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	912.38	92.56
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	918.77	92.56
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	738.11	32.38
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	777.65	36.97
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	797.95	41.69
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	831.10	46.27
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	844.99	50.86
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	871.71	55.59
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	885.61	60.17
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	912.30	64.76
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	849.30	69.49
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	902.73	78.66
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	933.72	83.24
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	947.62	87.97
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	947.62	87.97
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	967.20	92.56
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	1,003.89	97.14
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	1,003.89	97.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	815.01	32.38
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	854.22	41.69
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	890.91	46.27
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	904.80	50.86
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	935.78	55.59
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	955.39	60.17
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	879.92	64.76
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	893.82	69.49
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	940.09	74.07
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	953.99	78.66
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	967.89	83.24
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	1,011.69	87.97
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	1,025.57	92.56
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	1,040.53	92.56
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,070.63	97.14
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,099.29	97.14
23 33 13 23-0365		Backdraft Damper Accessories *(23 33 13 23)*		
23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	293.76	32.47
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	503.79	32.47
23 33 13 33		**Splitter Damper Hardware** *(23 33 13)*		
23 33 13 33-0001	EA	Splitter Damper, Hardware	49.26	9.71
23 33 13 43		**Blower Check Valve** *(23 33 13)*		
23 33 13 43-0001		Blower Check Valves With Silicone Seals *(23 33 13 43)*		
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	310.45	35.85
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	346.67	40.85
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	445.33	54.20
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	614.89	62.54
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	689.14	75.05
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	1,026.58	95.05
23 33 13 43-0008		Blower Check Valves With Viton Seats *(23 33 13 43)*		
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	428.83	35.85
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	487.36	40.85
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	543.29	54.20
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	761.55	62.54
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	851.03	75.05
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,312.96	95.05
23 33 19		**Duct Silencers** *(23 33)*		
23 33 19 00-0001		36" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	428.24	56.88
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	515.29	65.21
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	670.40	74.92
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	816.73	84.64
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	754.56	84.64
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	967.72	88.79
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,069.83	94.34
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,174.72	99.90
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,544.27	113.77
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	960.07	94.34
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,299.15	113.77
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,310.28	152.61
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,557.35	160.94
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,855.83	173.43
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	3,207.92	188.69
23 33 19 00-0017		60" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	478.38	124.87
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	577.24	144.29
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	752.87	166.48
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	917.35	187.30
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	846.67	187.30
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,090.67	198.39
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,201.95	208.11
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,315.33	219.21
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,738.34	249.73
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,077.23	208.11
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,459.80	249.73
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,590.33	328.81
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,891.95	356.56
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,213.74	378.76
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,617.84	416.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0033		**84" Long Packaged Duct Sound Trap** *(23 33 19)*		
23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	411.82	104.05
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	707.11	155.39
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	986.19	227.53
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	557.37	124.87
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	693.64	144.29
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	944.11	166.48
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,117.55	178.97
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,219.82	192.85
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,538.70	208.11
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,821.81	227.53
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,045.21	192.85
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,496.17	201.17
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,634.32	208.11
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,780.95	219.21
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,238.05	235.86
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,428.46	249.73
23 33 23		**Turning Vanes** *(23 33)*		
23 33 23 00-0001		**Duct Turning Vane Components** *(23 33 23)*		
23 33 23 00-0002	LF	Duct Turning Vane Rail	14.90	3.47
		For Stainless Steel, Add	*10.02*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	14.49	1.39
		For Stainless Steel, Add	*15.09*	
23 33 23 00-0004		**Duct Turning Vane Sets** *(23 33 23)*		
		Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	59.82	5.20
		For Stainless Steel, Add	*69.32*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	74.39	5.55
		For Stainless Steel, Add	*87.69*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	101.78	5.82
		For Stainless Steel, Add	*122.77*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	129.24	6.25
		For Stainless Steel, Add	*157.86*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	143.22	6.66
		For Stainless Steel, Add	*175.37*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	183.19	6.25
		For Stainless Steel, Add	*228.02*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	225.12	7.35
		For Stainless Steel, Add	*280.63*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	241.73	7.69
		For Stainless Steel, Add	*301.76*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	269.96	7.99
		For Stainless Steel, Add	*337.96*	
23 33 33		**Duct-Mounting Access Doors** *(23 33)*		
23 33 33 00-0001		**Duct Access Doors, Insulated Factory Fabrication** *(23 33 33)*		
23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	107.71	19.43
		For Stainless Steel, Add	*59.34*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	113.95	19.43
		For Stainless Steel, Add	*71.82*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	116.99	19.43
		For Stainless Steel, Add	*77.90*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	150.97	23.58
		For Stainless Steel, Add	*109.84*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	152.21	23.58
		For Stainless Steel, Add	*112.32*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	189.50	31.91
		For Stainless Steel, Add	*129.26*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	225.68	38.84
		For Stainless Steel, Add	*139.20*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	293.57	52.72
		For Stainless Steel, Add	*170.92*	
23 33 43		**Flexible Connectors** *(23 33)*		
23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector	17.46	4.16
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	17.91	3.74
23 33 46		**Flexible Ducts** *(23 33)*		
23 33 46 00-0001		**Flexible Duct, R8.0 Insulated With Metallized Outer Jacket** *(23 33 46)*		
		Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	9.93	1.39
		For R6.0 Insulated Flexible Duct, Deduct	*-1.02*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	10.96	2.78
		For R6.0 Insulated Flexible Duct, Deduct	*-1.08*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.26*	
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	12.28	2.78
		For R6.0 Insulated Flexible Duct, Deduct	*-1.10*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.29*	
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	14.25	2.78
		For R6.0 Insulated Flexible Duct, Deduct	*-1.24*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.44*	
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	16.64	4.16
		For R6.0 Insulated Flexible Duct, Deduct	*-1.25*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.46*	
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	21.55	4.16
		For R6.0 Insulated Flexible Duct, Deduct	*-1.68*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.96*	
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	28.86	5.55
		For R6.0 Insulated Flexible Duct, Deduct	*-2.00*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.33*	
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	35.87	5.55
		For R6.0 Insulated Flexible Duct, Deduct	*-2.44*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.84*	
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	46.75	6.94
		For R6.0 Insulated Flexible Duct, Deduct	*-2.91*	
		For R4.2 Insulated Flexible Duct, Deduct	*-3.40*	
23 33 46 00-0011	LF	18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	57.04	9.01
		For R6.0 Insulated Flexible Duct, Deduct	*-3.79*	
		For R4.2 Insulated Flexible Duct, Deduct	*-4.42*	
23 33 46 00-0012	LF	20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	67.62	9.71
		For R6.0 Insulated Flexible Duct, Deduct	*-5.72*	
		For R4.2 Insulated Flexible Duct, Deduct	*-6.67*	

23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

23 33 46 00-0014	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	54.79	8.32
		For Stainless Steel, Add	*30.64*	
23 33 46 00-0015	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	59.55	9.71
		For Stainless Steel, Add	*31.04*	
23 33 46 00-0016	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	67.95	9.71
		For Stainless Steel, Add	*34.23*	
23 33 46 00-0017	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	77.12	12.48
		For Stainless Steel, Add	*35.32*	
23 33 46 00-0018	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	93.12	15.26
		For Stainless Steel, Add	*39.90*	
23 33 46 00-0019	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	109.20	18.04
		For Stainless Steel, Add	*49.19*	
23 33 46 00-0020	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	124.02	20.81
		For Stainless Steel, Add	*53.00*	
23 33 46 00-0021	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	146.78	23.58
		For Stainless Steel, Add	*66.37*	
23 33 46 00-0022	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	159.90	26.36
		For Stainless Steel, Add	*72.61*	
23 33 46 00-0023	EA	18" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	178.52	29.83
		For Stainless Steel, Add	*78.78*	
23 33 46 00-0024	EA	20" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	208.65	31.91
		For Stainless Steel, Add	*108.91*	

23 33 53 Duct Liners *(23 33)*

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*

23 33 53 00-0002	SF	1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.28	3.78
23 33 53 00-0003	SF	3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	14.51	3.78
23 33 53 00-0004	SF	1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	16.06	5.05
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	19.61	5.05
23 33 53 00-0006	SF	2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	23.65	5.68
23 33 53 00-0007	SF	1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	12.77	4.16
23 33 53 00-0008	SF	3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.98	4.16
23 33 53 00-0009	SF	1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	15.51	5.55
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	18.81	5.55
23 33 53 00-0011	SF	2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	22.78	6.25

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*

23 33 53 00-0013	SF	1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	2.26	3.33
23 33 53 00-0014	SF	1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket	2.82	3.74
23 33 53 00-0015	SF	1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	3.09	3.74
23 33 53 00-0016	SF	1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket	3.86	3.74
23 33 53 00-0017	SF	1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket	3.30	4.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 53 00-0018	SF	2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket	3.50	4.58
23 33 53 00-0019	SF	2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket	5.17	4.58
23 33 56		**Duct Air Extractors** *(23 33)*		
23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	68.43	22.90
		For Stainless Steel, Add	*29.45*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	72.60	24.97
		For Stainless Steel, Add	*29.45*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	84.06	26.36
		For Stainless Steel, Add	*40.74*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	95.24	27.75
		For Stainless Steel, Add	*51.68*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	126.68	30.52
		For Stainless Steel, Add	*85.33*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	90.62	27.75
		For Stainless Steel, Add	*45.67*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	120.20	34.69
		For Stainless Steel, Add	*66.09*	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	129.00	39.54
		For Stainless Steel, Add	*64.90*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	157.67	46.47
		For Stainless Steel, Add	*84.12*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	180.32	55.49
		For Stainless Steel, Add	*90.13*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	225.64	69.37
		For Stainless Steel, Add	*112.97*	
23 33 59		**Duct Pressure Relief Doors** *(23 33)*		
23 33 59 00-0001		Duct Pressure Relief Doors *(23 33 59)*		
23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,297.17	41.62
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,065.90	34.69
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,057.16	38.16
23 34		**HVAC Fans** *(23 30)*		
23 34 13		**Axial HVAC Fans** *(23 34)*		
23 34 13 00-0001		Tube-Axial Fans *(23 34 13)*		
23 34 13 00-0002		Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*		
23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	2,047.77	426.16
		For 1/4" Static Pressure, Add	*95.57*	
		For 3/8" Static Pressure, Add	*191.14*	
		For 1/2" Static Pressure, Add	*262.81*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	2,133.10	427.43
		For 1/4" Static Pressure, Add	*102.39*	
		For 3/8" Static Pressure, Add	*204.79*	
		For 1/2" Static Pressure, Add	*281.58*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,303.76	426.16
		For 1/4" Static Pressure, Add	*116.05*	
		For 3/8" Static Pressure, Add	*232.09*	
		For 1/2" Static Pressure, Add	*319.13*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,474.42	427.43
		For 1/4" Static Pressure, Add	*129.70*	
		For 3/8" Static Pressure, Add	*259.40*	
		For 1/2" Static Pressure, Add	*356.68*	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,901.03	511.90
		For 1/4" Static Pressure, Add	*150.18*	
		For 3/8" Static Pressure, Add	*300.36*	
		For 1/2" Static Pressure, Add	*412.99*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,331.38	556.69
		For 1/4" Static Pressure, Add	*177.48*	
		For 3/8" Static Pressure, Add	*354.97*	
		For 1/2" Static Pressure, Add	*488.08*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,522.69	609.16
		For 1/4" Static Pressure, Add	*184.31*	
		For 3/8" Static Pressure, Add	*368.62*	
		For 1/2" Static Pressure, Add	*506.85*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	4,010.27	639.88
		For 1/4" Static Pressure, Add	*218.44*	
		For 3/8" Static Pressure, Add	*436.88*	
		For 1/2" Static Pressure, Add	*600.71*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,842.18	799.84
		For 1/4" Static Pressure, Add	*259.40*	
		For 3/8" Static Pressure, Add	*518.80*	
		For 1/2" Static Pressure, Add	*713.35*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,460.80	853.59
		For 1/4" Static Pressure, Add	*300.36*	
		For 3/8" Static Pressure, Add	*600.72*	
		For 1/2" Static Pressure, Add	*825.98*	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,405.95	984.13
		For 1/4" Static Pressure, Add	*354.97*	
		For 3/8" Static Pressure, Add	*709.94*	
		For 1/2" Static Pressure, Add	*976.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0014		Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*		
23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,943.25	413.36
		For 1/4" Static Pressure, Add	*89.41*	
		For 3/8" Static Pressure, Add	*178.82*	
		For 1/2" Static Pressure, Add	*245.87*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	2,059.00	427.43
		For 1/4" Static Pressure, Add	*96.47*	
		For 3/8" Static Pressure, Add	*192.93*	
		For 1/2" Static Pressure, Add	*265.28*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	2,127.62	441.51
		For 1/4" Static Pressure, Add	*99.60*	
		For 3/8" Static Pressure, Add	*199.21*	
		For 1/2" Static Pressure, Add	*273.91*	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	2,250.64	456.87
		For 1/4" Static Pressure, Add	*106.92*	
		For 3/8" Static Pressure, Add	*213.85*	
		For 1/2" Static Pressure, Add	*294.04*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	2,532.85	474.78
		For 1/4" Static Pressure, Add	*126.79*	
		For 3/8" Static Pressure, Add	*253.58*	
		For 1/2" Static Pressure, Add	*348.68*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	2,670.62	492.70
		For 1/4" Static Pressure, Add	*134.90*	
		For 3/8" Static Pressure, Add	*269.79*	
		For 1/2" Static Pressure, Add	*370.96*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	2,984.49	511.90
		For 1/4" Static Pressure, Add	*156.86*	
		For 3/8" Static Pressure, Add	*313.71*	
		For 1/2" Static Pressure, Add	*431.35*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	3,358.27	511.90
		For 1/4" Static Pressure, Add	*186.89*	
		For 3/8" Static Pressure, Add	*373.78*	
		For 1/2" Static Pressure, Add	*513.94*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	3,888.55	556.69
		For 1/4" Static Pressure, Add	*222.21*	
		For 3/8" Static Pressure, Add	*444.42*	
		For 1/2" Static Pressure, Add	*611.08*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	4,612.09	674.43
		For 1/4" Static Pressure, Add	*261.43*	
		For 3/8" Static Pressure, Add	*522.85*	
		For 1/2" Static Pressure, Add	*718.92*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	5,243.46	674.43
		For 1/4" Static Pressure, Add	*311.48*	
		For 3/8" Static Pressure, Add	*622.96*	
		For 1/2" Static Pressure, Add	*856.57*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	5,769.33	711.54
		For 1/4" Static Pressure, Add	*347.79*	
		For 3/8" Static Pressure, Add	*695.58*	
		For 1/2" Static Pressure, Add	*956.43*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,299.17	752.50
		For 1/4" Static Pressure, Add	*383.77*	
		For 3/8" Static Pressure, Add	*767.54*	
		For 1/2" Static Pressure, Add	*1,055.37*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	7,191.33	984.13
		For 1/4" Static Pressure, Add	*418.28*	
		For 3/8" Static Pressure, Add	*836.56*	
		For 1/2" Static Pressure, Add	*1,150.27*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	8,192.43	985.41
		For 1/4" Static Pressure, Add	*498.37*	
		For 3/8" Static Pressure, Add	*996.74*	
		For 1/2" Static Pressure, Add	*1,370.52*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	9,259.45	1,163.03
		For 1/4" Static Pressure, Add	*555.29*	
		For 3/8" Static Pressure, Add	*1,110.57*	
		For 1/2" Static Pressure, Add	*1,527.04*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*
Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*
Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*
Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,373.67	281.16
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,958.18	291.78
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,015.71	232.53
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,104.83	318.66
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,157.67	337.85
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,227.06	351.93
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,297.87	374.97

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,254.62	307.14
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,296.04	318.66
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,372.72	337.85
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,417.91	351.93
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,501.17	374.97
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,583.30	392.89
23 34 16 00-0019		**15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,272.18	318.66
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,325.02	337.85
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,394.05	351.93
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,453.45	374.97
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,527.63	392.89
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,631.91	422.31
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,713.29	444.07
23 34 16 00-0027		**16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,599.37	337.85
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,693.19	351.93
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,797.92	374.97
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,853.58	392.89
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,927.42	422.31
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,990.29	444.07
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,319.74	482.46
23 34 16 00-0035		**18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,686.30	351.93
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,751.65	374.97
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,837.78	392.89
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,906.28	422.31
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,999.58	444.07
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,140.82	482.46
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,232.85	511.90
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,370.74	563.09
23 34 16 00-0044		**20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,715.88	374.97
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,801.97	392.89
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,906.28	422.31
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,999.58	444.07
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,176.60	482.46
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,421.99	511.90
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,596.71	563.09
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,776.93	602.77
23 34 16 00-0053		**22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,259.24	392.89
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,322.14	422.31
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,407.13	444.07
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,514.57	482.46
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,655.29	511.90
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,706.04	563.09
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,800.78	602.77
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,970.11	675.70
23 34 16 00-0062		**24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,916.21	422.31
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,047.37	482.46
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,175.19	511.90
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,312.41	563.09
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,432.98	602.77
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,542.68	675.70
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,691.35	734.57
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	5,037.19	844.64
23 34 16 00-0071		**27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,337.55	444.07
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,473.41	511.90
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,610.61	563.09
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,731.20	602.77
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,900.53	675.70
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,048.84	734.57
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,420.03	844.64
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,477.60	938.05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0080		**Large Industrial Type Utility Backward Centrifugal Fans** *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		**30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,071.85	563.09
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,187.74	602.77
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,367.73	675.70
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,527.96	734.57
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,766.82	844.64
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,980.58	938.05
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,336.55	1,126.18
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,664.59	1,298.95
23 34 16 00-0090		**33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,116.89	602.77
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,345.86	675.70
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,554.18	734.57
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,840.39	844.64
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,101.87	938.05
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,505.53	1,126.18
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,953.23	1,298.95
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,597.28	1,689.27
23 34 16 00-0099		**36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,598.76	675.70
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,814.22	734.57
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,494.06	844.64
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,953.56	938.05
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,524.51	1,126.18
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,964.70	1,298.95
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,890.47	1,689.27
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,672.86	2,111.58
23 34 16 00-0108		**Kitchen System Fans** *(23 34 16 00-0001)*		
23 34 16 00-0109		**Upblast Kitchen Exhaust Fans** *(23 34 16 00-0108)*		
23 34 16 00-0110		**Direct Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)* Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,448.15	166.36
		For Bird Screen, Add	*63.20*	
		For Backdraft Damper, Add	*179.47*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,699.22	166.36
		For Bird Screen, Add	*63.20*	
		For Backdraft Damper, Add	*179.47*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0113		**Belt Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)* Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,492.32	166.36
		For Bird Screen, Add	*63.20*	
		For Wall Mounted Fan, Add	*99.69*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*179.47*	
		For Damper Motor, Add	*292.71*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*183.57*	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,601.28	166.36
		For Bird Screen, Add	*63.20*	
		For Wall Mounted Fan, Add	*104.05*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*179.47*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,231.88	191.97
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*89.28*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*203.77*	
		For Damper Motor, Add	*292.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,388.78	191.97
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*95.55*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*203.77*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,036.80	223.96
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*121.47*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*203.77*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,204.60	223.96
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*128.18*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*203.77*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,491.55	239.96
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*139.66*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*254.94*	
		For Damper Motor, Add	*292.71*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*255.99*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,753.06	239.96
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*150.12*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*254.94*	
		For Damper Motor, Add	*292.71*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*278.22*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,815.57	255.95
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*152.62*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*254.94*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,183.85	255.95
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*167.35*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*254.94*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,818.79	287.94
		For Bird Screen, Add	*141.65*	
		For Wall Mounted Fan, Add	*192.75*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*276.25*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	5,156.57	287.94
		For Bird Screen, Add	*141.65*	
		For Wall Mounted Fan, Add	*206.26*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*276.25*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,111.85	319.94
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*244.47*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*306.51*	
		For Damper Motor, Add	*292.71*	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,222.99	319.94
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*248.92*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*306.51*	
		For Damper Motor, Add	*292.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,787.40	319.94
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*271.50*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*306.51*	
		For Damper Motor, Add	*292.71*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*522.54*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,059.80	319.94
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*282.39*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Backdraft Damper, Add	*306.51*	
		For Damper Motor, Add	*292.71*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*545.69*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,773.51	351.93
		For Bird Screen, Add	*174.34*	
		For Wall Mounted Fan, Add	*310.94*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Damper Motor, Add	*292.71*	
		For Backdraft Damper, Add	*361.07*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*600.92*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	8,086.77	351.93
		For Bird Screen, Add	*174.34*	
		For Wall Mounted Fan, Add	*323.47*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Damper Motor, Add	*292.71*	
		For Backdraft Damper, Add	*361.07*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*627.55*	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,159.55	383.92
		For Bird Screen, Add	*174.34*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Damper Motor, Add	*292.71*	
		For Backdraft Damper, Add	*419.82*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,847.30	383.92
		For Bird Screen, Add	*174.34*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Damper Motor, Add	*292.71*	
		For Backdraft Damper, Add	*419.82*	

23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans *(23 34 16 00-0108)*

Note: Roof mounted with downblast discharge, weatherhood and filter.

23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,679.91	166.36
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,765.20	166.36
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,869.87	166.36

23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,910.47	166.36
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,141.97	223.96
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,582.14	255.95
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,993.42	319.94
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,622.54	383.92

23 34 16 00-0145 Replacement Parts *(23 34 16 00-0001)*

23 34 16 00-0146 Replace Belts And Accessories *(23 34 16 00-0145)*

23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	952.28	426.53
23 34 16 00-0148	EA	Fan Belt, Replacement	155.46	57.85

23 34 16 00-0149 Corrosive Fume Resistant Plastic *(23 34 16 00-0001)*

23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure *(23 34 16 00-0149)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,542.29	231.00
		For Explosion Proof Motor, Add	*912.05*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	7,109.04	277.48
		For Explosion Proof Motor, Add	*983.11*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,432.25	346.85
		For Explosion Proof Motor, Add	*1,160.78*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	9,058.86	462.69
		For Explosion Proof Motor, Add	*1,220.01*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	10,389.39	693.69
		For Explosion Proof Motor, Add	*1,350.30*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	17,936.04	1,387.39
		For Explosion Proof Motor, Add	*2,274.19*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	26,155.61	1,983.27
		For Explosion Proof Motor, Add	*3,328.37*	

23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive *(23 34 16 00-0149)*

23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,542.29	231.00
		For Explosion Proof Motor, Add	*912.05*	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,714.21	277.48
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,852.95	346.85
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	7,084.74	462.69
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,757.67	693.69
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,104.52	867.12
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,354.79	992.26
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,609.30	1,040.54
		For Explosion Proof Motor, Add	*1,279.23*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,919.49	1,156.11
		For Explosion Proof Motor, Add	*1,291.08*	

23 34 16 00-0168 In-Line Duct Fans *(23 34 16 00-0001)*

23 34 16 00-0169 Direct Drive In-Line Duct Fans *(23 34 16 00-0168)*

Note: Greenheck SQ.

23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,733.22	166.36
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,215.01	179.17
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,428.90	191.97

23 34 16 00-0173 Belt Drive In-Line Duct Fans *(23 34 16 00-0168)*

Note: Greenheck BSQ.

23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,537.82	191.97
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,916.80	223.96
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,280.32	223.96
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,589.37	223.96
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,495.88	255.95
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	4,019.26	255.95
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	5,114.65	319.94
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	5,403.57	319.94
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch.	5,607.24	319.94
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,484.87	383.92
		For Totally Enclosed Motor, Add	*85.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,727.96	383.92
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	7,026.70	383.92
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0186		**In-Line Cabinet Fans** *(23 34 16 00-0001)*		
23 34 16 00-0187	EA	77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	552.53	111.97
23 34 16 00-0188	EA	91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	552.53	111.97
23 34 16 00-0189	EA	82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	627.38	118.37
23 34 16 00-0190	EA	281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	693.48	118.37
23 34 16 00-0191	EA	190 CFM, 115 Volt, Direct Drive Cabinet Fan	874.04	118.37
23 34 16 00-0192	EA	217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	722.99	118.37
23 34 16 00-0193	EA	325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	826.75	118.37
23 34 16 00-0194	EA	250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan	1,559.12	118.37
23 34 16 00-0195	EA	419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	971.77	124.77
23 34 16 00-0196	EA	334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	988.05	124.77
23 34 16 00-0197	EA	350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan	1,622.79	124.77
23 34 16 00-0198	EA	527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	988.05	124.77
23 34 16 00-0199	EA	631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,328.80	124.77
23 34 16 00-0200	EA	752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,328.80	124.77
23 34 16 00-0201	EA	1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan	1,328.80	124.77
23 34 16 00-0202	EA	999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,442.73	124.77
23 34 16 00-0203		**Propeller And Ceiling Fans** *(23 34 16)*		
23 34 16 00-0204		**Direct Drive, Sidewall Propeller Exhaust Fan** *(23 34 16 00-0203)* Note: Greenheck SE1.		
23 34 16 00-0205	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	771.62	136.93
		For Backdraft Damper, Add	*208.49*	
		For Wall Mount Collar, Add	*297.79*	
23 34 16 00-0206	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	817.59	152.29
		For Backdraft Damper, Add	*223.83*	
		For Wall Mount Collar, Add	*297.79*	
23 34 16 00-0207	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	905.34	168.93
		For Backdraft Damper, Add	*245.15*	
		For Wall Mount Collar, Add	*305.60*	
23 34 16 00-0208	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,321.64	186.84
		For Backdraft Damper, Add	*293.33*	
		For Wall Mount Collar, Add	*311.25*	
		For Motor Side Guard, Add	*256.85*	
23 34 16 00-0209	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,112.98	207.32
		For Backdraft Damper, Add	*293.33*	
		For Wall Mount Collar, Add	*319.07*	
		For Motor Side Guard, Add	*273.37*	
23 34 16 00-0210	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,249.67	230.36
		For Backdraft Damper, Add	*356.45*	
		For Wall Mount Collar, Add	*326.87*	
		For Motor Side Guard, Add	*289.91*	
23 34 16 00-0211	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,422.72	255.95
		For Backdraft Damper, Add	*356.45*	
		For Wall Mount Collar, Add	*332.51*	
		For Motor Side Guard, Add	*312.97*	
23 34 16 00-0212		**Belt Drive Propeller Exhaust Fans** *(23 34 16 00-0203)* Note: Wall shutter 1/8" static pressure, with bird screen.		
23 34 16 00-0213	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,630.32	366.01
23 34 16 00-0214	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	3,013.21	426.16
23 34 16 00-0215	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	3,420.67	511.90
23 34 16 00-0216	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,756.26	639.88
23 34 16 00-0217	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	5,682.21	853.59
23 34 16 00-0218	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	7,901.06	1,279.75
23 34 16 00-0219	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	9,493.05	1,640.63
23 34 16 00-0220		**Propeller Exhaust Fan Accessories** *(23 34 16 00-0203)*		
23 34 16 00-0221	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	135.51	
23 34 16 00-0222	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	311.46	
23 34 16 00-0223		**Reversible Ceiling Fans** *(23 34 16 00-0203)*		
23 34 16 00-0224		**4 Blade Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0225	EA	42" 4-Blade Ceiling Fan, Three Speed	606.76	64.28
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.07*	
23 34 16 00-0226		**5 Blade Ceiling Fans** *(23 34 16 00-0223)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0227	EA	42" 5-Blade Ceiling Fan, Three Speed	664.13	159.07
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.14*	
23 34 16 00-0228	EA	52" 5-Blade Ceiling Fan, Three Speed	758.38	159.07
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.27*	
23 34 16 00-0229		3 Blade Weatherproof Ceiling Fans *(23 34 16 00-0223)*		
23 34 16 00-0230	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	635.52	63.35
23 34 16 00-0231		Ceiling Fan Down Rod *(23 34 16 00-0223)*		
23 34 16 00-0232	EA	1' Ceiling Fan Down Rod	24.32	
23 34 16 00-0233	EA	1-1/2' Ceiling Fan Down Rod	32.00	
23 34 16 00-0234	EA	2' Ceiling Fan Down Rod	35.84	
23 34 16 00-0235	EA	3' Ceiling Fan Down Rod	48.20	
23 34 16 00-0236	EA	4' Ceiling Fan Down Rod	56.34	
23 34 16 00-0237	EA	5' Ceiling Fan Down Rod	69.28	
23 34 16 00-0238	EA	6' Ceiling Fan Down Rod	86.71	
23 34 16 00-0239		Explosion Proof Industrial Blowers *(23 34 16 00-0203)*		
23 34 16 00-0240	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	5,626.17	
23 34 16 00-0241	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	6,192.98	
23 34 16 00-0242	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	8,287.85	
23 34 16 00-0243	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	8,678.07	
23 34 16 00-0244	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	5,116.85	
23 34 16 00-0245	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	5,457.02	
23 34 16 00-0246	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	7,537.81	
23 34 16 00-0247	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	8,179.64	
23 34 16 00-0248		Exhaust Fans *(23 34 16)*		
23 34 16 00-0249		Exhaust Fans *(23 34 16 00-0248)* Note: Excludes ducting.		
23 34 16 00-0250		Light Duty Exhaust Fans *(23 34 16 00-0249)*		
23 34 16 00-0251		Light Duty Exhaust Fans *(23 34 16 00-0250)*		
23 34 16 00-0252	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	158.97	51.95
23 34 16 00-0253	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	168.18	51.95
23 34 16 00-0254	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	278.64	51.95
23 34 16 00-0255	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	352.51	51.95
23 34 16 00-0256	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	315.01	51.95
23 34 16 00-0257	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	419.90	51.95
23 34 16 00-0258		Light Duty Exhaust Fans With Lights *(23 34 16 00-0250)*		
23 34 16 00-0259	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	208.19	51.95
23 34 16 00-0260	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	231.24	51.95
23 34 16 00-0261	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	433.98	51.95
23 34 16 00-0262		Light Duty Exhaust Fans With Heaters *(23 34 16 00-0250)*		
23 34 16 00-0263	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	213.18	51.95
23 34 16 00-0264	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	339.59	51.95
23 34 16 00-0265		Light Duty Exhaust Fans With Heaters And Lights *(23 34 16 00-0250)*		
23 34 16 00-0266	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	361.50	51.95
23 34 16 00-0267	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	549.65	51.95
23 34 16 00-0268		Heavy-Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0249)*		
23 34 16 00-0269		Heavy-Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0268)* Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0270	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50)	247.99	51.95
23 34 16 00-0271	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80)	274.41	51.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0272	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	503.08	51.95
23 34 16 00-0273	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	515.33	51.95
23 34 16 00-0274	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	553.44	51.95
23 34 16 00-0275	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	577.79	51.95
23 34 16 00-0276	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	587.22	51.95
23 34 16 00-0277	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	672.29	51.95
23 34 16 00-0278	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	766.12	51.95
23 34 16 00-0279	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	819.56	51.95
23 34 16 00-0280	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	975.69	51.95
23 34 16 00-0281	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,253.81	51.95
23 34 16 00-0282		**Heavy-Duty/Continuous Operation Kitchen Exhaust Fans** *(23 34 16 00-0268)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0283	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	522.46	51.95
23 34 16 00-0284	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	759.10	51.95
23 34 16 00-0285	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	802.93	51.95
23 34 16 00-0286		**Heavy-Duty/Continuous Operation Exhaust Fans With Lights** *(23 34 16 00-0268)*		
23 34 16 00-0287	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	269.63	51.95
23 34 16 00-0288	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	294.44	51.95
23 34 16 00-0289		**Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0268)*		
23 34 16 00-0290	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	280.52	51.95
23 34 16 00-0291	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	296.95	51.95
23 34 16 00-0292	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	304.88	51.95
23 34 16 00-0293		**Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0294	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,346.06	51.95
23 34 16 00-0295	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,346.06	51.95
23 34 16 00-0296	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,346.06	51.95
23 34 16 00-0297	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,477.28	51.95
23 34 16 00-0298		**Room-To-Room Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0299	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	201.98	51.95
23 34 16 00-0300	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	336.15	51.95
23 34 16 00-0301	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	385.04	51.95
23 34 16 00-0302		**Through-Wall Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0303	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	359.48	51.95
23 34 16 00-0304	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	426.87	51.95
23 34 16 00-0305	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	313.15	51.95
23 34 16 00-0306	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	419.90	51.95
23 34 16 00-0307	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	735.91	51.95
23 34 16 00-0308		**Exhaust Fan Accessories** *(23 34 16 00-0249)*		
23 34 16 00-0309		**Exhaust Fan Controls** *(23 34 16 00-0308)*		
23 34 16 00-0310	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	197.37	32.47
23 34 16 00-0311	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	137.77	32.47
23 34 16 00-0312	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	139.18	32.47
23 34 16 00-0313		**Roof And Wall Caps For Exhaust Fans** *(23 34 16 00-0308)*		
23 34 16 00-0314		**Wall Caps For Exhaust Fans** *(23 34 16 00-0313)*		
23 34 16 00-0315	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	323.07	69.49
23 34 16 00-0316	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	327.77	69.49
23 34 16 00-0317		**Roof Caps For Exhaust Fans** *(23 34 16 00-0313)*		
		Note: Includes flashing and built in bird screen.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0318	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	274.65	69.49
23 34 16 00-0319	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	396.50	69.49
23 34 16 00-0320	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	180.98	69.49
23 34 16 00-0321	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	217.53	69.49

23 34 16 00-0322 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan *(23 34 16 00-0249)*

Note: Includes storage and cleaning.

23 34 16 00-0323	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	95.98	

23 34 23 HVAC Power Ventilators *(23 34)*

23 34 23 00-0001 Power Roof Ventilators *(23 34 23)*

23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*

Note: Greenheck G.

23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	674.65	183.00
		For 12" Roof Curb, Add	*236.69*	
		For Backdraft Damper, Add	*167.11*	
		For Solid State Speed Control, Add	*123.00*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	737.52	207.32
		For 12" Roof Curb, Add	*236.69*	
		For Backdraft Damper, Add	*167.11*	
		For Solid State Speed Control, Add	*123.00*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,045.81	241.87
		For 12" Roof Curb, Add	*243.23*	
		For Backdraft Damper, Add	*179.47*	
		For Solid State Speed Control, Add	*123.00*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,079.22	272.58
		For 12" Roof Curb, Add	*243.23*	
		For Backdraft Damper, Add	*179.47*	
		For Solid State Speed Control, Add	*123.00*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,381.79	300.74
		For Solid State Speed Control, Add	*123.00*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,567.34	319.94
		For 12" Roof Curb, Add	*254.12*	
		For Backdraft Damper, Add	*203.77*	
		For Solid State Speed Control, Add	*190.56*	
		For Damper Motor, Add	*292.71*	

23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*

Note: Greenheck GB.

23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,562.42	325.81
		For 12" Roof Curb, Add	*243.23*	
		For Backdraft Damper, Add	*179.47*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,702.56	345.88
		For 12" Roof Curb, Add	*254.12*	
		For Backdraft Damper, Add	*203.77*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,297.34	413.36
		For 12" Roof Curb, Add	*254.12*	
		For Backdraft Damper, Add	*203.77*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,928.24	511.90
		For 12" Roof Curb, Add	*306.42*	
		For Backdraft Damper, Add	*254.94*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,857.55	639.88
		For 12" Roof Curb, Add	*330.40*	
		For Backdraft Damper, Add	*276.25*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,221.77	799.84
		For 12" Roof Curb, Add	*367.44*	
		For Backdraft Damper, Add	*306.51*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,274.07	799.84
		For 12" Roof Curb, Add	*367.44*	
		For Backdraft Damper, Add	*306.51*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,838.49	799.84
		For 12" Roof Curb, Add	*367.44*	
		For Backdraft Damper, Add	*306.51*	
		For Damper Motor, Add	*292.71*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,550.75	799.84
		For 12" Roof Curb, Add	*367.44*	
		For Backdraft Damper, Add	*306.51*	
		For Damper Motor, Add	*292.71*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0019		Propeller Exhaust Fans, Roof Mounted Upblast *(23 34 23 00-0001)*		
		Note: Includes back draft damper and bird screen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	8,913.45	984.13
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	14,606.38	1,279.37
23 34 23 00-0022		Belt Drive Supply Fans *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,522.14	511.00
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,760.15	639.75
23 34 23 00-0025		Fan Thermostat *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	152.78	
23 34 23 00-0027		Power Wall Ventilators *(23 34 23)*		
23 34 23 00-0028		Centrifugal Sidewall Exhausters *(23 34 23 00-0027)*		
23 34 23 00-0029		Direct Drive, Aluminum, Centrifugal Sidewall Exhauster *(23 34 23 00-0028)*		
		Note: Greenheck CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	892.45	206.04
		For Solid State Speed Control, Add	*190.56*	
		For Backdraft Damper, Add	*231.96*	
		For Damper Motor, Add	*502.74*	
		For Interior Wall Grill, Add	*143.53*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,025.04	241.87
		For Solid State Speed Control, Add	*190.56*	
		For Backdraft Damper, Add	*256.26*	
		For Damper Motor, Add	*502.74*	
		For Interior Wall Grill, Add	*170.95*	
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,514.76	272.58
		For Solid State Speed Control, Add	*190.56*	
		For Backdraft Damper, Add	*289.51*	
		For Damper Motor, Add	*502.74*	
		For Interior Wall Grill, Add	*198.38*	
23 34 23 00-0033		Belt Drive, Aluminum, Centrifugal Sidewall Exhausters *(23 34 23 00-0028)*		
		Note: Greenheck CWB.		
23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,694.23	154.00
		For Solid State Speed Control, Add	*190.56*	
		For Backdraft Damper, Add	*267.80*	
		For Damper Motor, Add	*502.74*	
		For Interior Wall Grill, Add	*302.08*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,846.39	173.43
		For Solid State Speed Control, Add	*190.56*	
		For Backdraft Damper, Add	*267.80*	
		For Damper Motor, Add	*502.74*	
		For Interior Wall Grill, Add	*302.08*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,495.62	198.39
		For Solid State Speed Control, Add	*190.56*	
		For Backdraft Damper, Add	*336.10*	
		For Damper Motor, Add	*502.74*	
		For Interior Wall Grill, Add	*351.30*	
23 34 33		**Air Curtains** *(23 34)*		
23 34 33 00-0001		Unheated Air Curtains For Entrances *(23 34 33)*		
23 34 33 00-0002		Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*		
23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated	2,666.26	938.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated	2,702.86	938.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,742.50	938.05
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,398.21	938.05
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,859.49	1,126.18
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	4,088.22	1,126.18
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	4,533.73	1,298.95
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	5,447.15	1,298.95
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	5,563.04	1,298.95
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	5,871.07	1,298.95
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,273.17	938.05
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated	3,320.44	938.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated	3,340.26	938.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated	3,378.39	938.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	5,250.20	1,126.18
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	5,485.03	1,126.18
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	5,843.62	1,298.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	6,656.39	1,298.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	6,741.79	1,298.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	7,074.22	1,298.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 33 00-0024 Service Window Unheated Air Curtains *(23 34 33 00-0001)*

Note: Normal window sizes.

23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated	2,347.46	739.70
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 33 00-0026 Heated Air Curtains For Entrances *(23 34 33)*

Note: Includes housing, mounting brackets and manual controls.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	4,461.31	826.08
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	4,835.81	826.08
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	5,352.75	991.17
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	5,802.15	991.17
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	7,135.91	1,321.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	7,735.11	1,321.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	8,695.74	1,609.92
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	9,426.01	1,609.92
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	10,926.13	2,022.64
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	12,742.45	2,022.64
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	12,487.85	2,311.86
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	14,563.20	2,311.86
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	14,267.47	2,642.04
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	16,639.30	2,642.04
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems *(23 35)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13		**Sawdust Collection Systems** *(23 35 13)*		
23 35 13 13-0001		Dust Collector System *(23 35 13 13)*		
23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,855.61	1,109.91
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,453.91	1,318.02
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	6,544.66	1,526.13
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	7,473.63	1,803.61
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	15,439.55	2,022.05
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	18,720.71	2,359.05
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	21,443.17	2,696.07
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	24,119.88	3,100.47
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	26,919.68	3,504.88
23 35 13 13-0011		Vacuum Tubing And Accessories *(23 35 13 13)*		
23 35 13 13-0012		Vacuum Tubing *(23 35 13 13-0011)*		
23 35 13 13-0013		Flexible Hose *(23 35 13 13-0012)*		
23 35 13 13-0014	LF	2" Flexible Hose	13.62	2.30
23 35 13 13-0015	LF	3" Flexible Hose	16.28	2.56
23 35 13 13-0016	LF	4" Flexible Hose	17.67	2.82
23 35 13 13-0017		Galvanized Vacuum Tubing *(23 35 13 13-0012)*		
23 35 13 13-0018	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	11.74	2.30
23 35 13 13-0019	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	13.13	2.44
23 35 13 13-0020	LF	3" Outside Diameter Vacuum Tubing, Galvanized	15.59	2.56
23 35 13 13-0021	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	20.22	2.69
23 35 13 13-0022	LF	4" Outside Diameter Vacuum Tubing, Galvanized	20.80	2.82
23 35 13 13-0023	LF	5" Outside Diameter Vacuum Tubing, Galvanized	34.27	3.20
23 35 13 13-0024	LF	6" Outside Diameter Vacuum Tubing, Galvanized	38.63	3.71
23 35 13 13-0025	LF	8" Outside Diameter Vacuum Tubing, Galvanized	52.27	5.12
23 35 13 13-0026	LF	10" Outside Diameter Vacuum Tubing, Galvanized	61.27	6.40
23 35 13 13-0027	LF	12" Outside Diameter Vacuum Tubing, Galvanized	151.84	8.44
23 35 13 13-0028		Vacuum Fittings, Galvanized *(23 35 13 13-0011)*		
23 35 13 13-0029		90 Degree Elbow *(23 35 13 13-0028)*		
23 35 13 13-0030	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	59.33	14.71
23 35 13 13-0031	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	73.08	15.74
23 35 13 13-0032	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	90.78	17.15
23 35 13 13-0033	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	106.91	18.56
23 35 13 13-0034	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	127.14	20.48
23 35 13 13-0035	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	208.71	22.78
23 35 13 13-0036	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	276.42	25.59
23 35 13 13-0037	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	494.56	34.16
23 35 13 13-0038		45 Degree Elbow *(23 35 13 13-0028)*		
23 35 13 13-0039	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	55.70	14.71
23 35 13 13-0040	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	70.09	15.74
23 35 13 13-0041	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	80.75	17.15
23 35 13 13-0042	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	95.58	18.56
23 35 13 13-0043	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	116.68	20.48
23 35 13 13-0044	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	172.40	22.78
23 35 13 13-0045	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	223.02	25.59
23 35 13 13-0046	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	404.84	34.16
23 35 13 13-0047		Wye *(23 35 13 13-0028)*		
23 35 13 13-0048	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	107.32	24.31
23 35 13 13-0049	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	128.44	26.23
23 35 13 13-0050	EA	3" Wye, Vacuum Tubing, Galvanized	156.16	28.16
23 35 13 13-0051	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	189.22	31.36
23 35 13 13-0052	EA	4" Wye, Vacuum Tubing, Galvanized	251.03	33.91
23 35 13 13-0053	EA	5" Wye, Vacuum Tubing, Galvanized	421.14	37.76
23 35 13 13-0054	EA	6" Wye, Vacuum Tubing, Galvanized	556.85	42.87
23 35 13 13-0055	EA	8" Wye, Vacuum Tubing, Galvanized	1,094.44	46.71
23 35 13 13-0056	EA	10" Wye, Vacuum Tubing, Galvanized	1,513.64	51.19
23 35 13 13-0057	EA	12" Wye, Vacuum Tubing, Galvanized	1,911.12	57.33
23 35 13 13-0058		Reducer *(23 35 13 13-0028)*		
23 35 13 13-0059	EA	3" Reducer, Vacuum Tubing, Galvanized	61.51	17.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0060	EA	4" Reducer, Vacuum Tubing, Galvanized	68.34	18.56
23 35 13 13-0061	EA	5" Reducer, Vacuum Tubing, Galvanized	85.89	20.48
23 35 13 13-0062	EA	6" Reducer, Vacuum Tubing, Galvanized	92.75	22.78
23 35 13 13-0063	EA	8" Reducer, Vacuum Tubing, Galvanized	108.36	25.59
23 35 13 13-0064		Air Gate Valve, Galvanized *(23 35 13 13-0011)*		
23 35 13 13-0065	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	413.56	34.16
23 35 13 13-0066	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	433.31	36.47
23 35 13 13-0067	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	497.47	39.29
23 35 13 13-0068	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	566.26	41.97
23 35 13 13-0069	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	638.05	44.54
23 35 13 13-0070	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	753.17	50.81
23 35 13 13-0071	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	867.21	56.95
23 35 16		**Engine Exhaust Systems** *(23 35)*		
23 35 16 16		**Mechanical Engine Exhaust Systems** *(23 35 16)*		
23 35 16 16-0001		Overhead Tailpipe Exhaust System *(23 35 16 16)*		
23 35 16 16-0002		Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0001)*		
23 35 16 16-0003		Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0004	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,897.11	272.58
23 35 16 16-0005	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,525.47	556.69
23 35 16 16-0006	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	6,292.25	674.43
23 35 16 16-0007		Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0008	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,401.00	556.69
23 35 16 16-0009	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,693.41	674.43
23 35 16 16-0010	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,634.53	1,067.31
23 35 16 16-0011	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	6,899.95	1,377.01
23 35 16 16-0012	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	8,713.86	1,640.63
23 35 16 16-0013		Spiral Exhaust Duct Accessories *(23 35 16 16-0001)*		
23 35 16 16-0014		Flex Hose x Length *(23 35 16 16-0013)*		
		Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	199.55	67.83
23 35 16 16-0016	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	169.94	67.83
23 35 16 16-0017	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	305.87	107.50
23 35 16 16-0018	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	256.39	107.50
23 35 16 16-0019	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	432.84	170.21
23 35 16 16-0020	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	415.13	170.21
23 35 16 16-0021	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	660.80	270.03
23 35 16 16-0022	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	623.56	270.03
23 35 16 16-0023		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0013)*		
23 35 16 16-0024	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	223.16	67.83
23 35 16 16-0025	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	323.11	107.50
23 35 16 16-0026	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	189.06	67.83
23 35 16 16-0027	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	272.51	107.50
23 35 16 16-0028	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,783.06	91.37
23 35 16 16-0029	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,553.64	167.64
23 35 16 16-0030	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,713.99	167.64
23 35 16 16-0031	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	82.26	13.05
23 35 16 16-0032	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	92.11	13.05
23 35 16 16-0033		Flexible Hose *(23 35 16 16-0013)*		
23 35 16 16-0034	LF	3" Stainless Steel Flexible Tubing	26.55	3.20
23 35 16 16-0035	LF	4" Stainless Steel Flexible Tubing	33.30	3.58
23 35 16 16-0036	LF	5" Stainless Steel Flexible Tubing	39.14	3.71
23 35 16 16-0037	LF	6" Stainless Steel Flexible Tubing	45.78	3.96
23 35 16 16-0038	LF	3" Galvanized Flexible Tubing	23.70	3.20
23 35 16 16-0039	LF	4" Galvanized Flexible Tubing	27.78	3.58
23 35 16 16-0040	LF	5" Galvanized Flexible Tubing	31.79	3.71
23 35 16 16-0041	LF	6" Galvanized Flexible Tubing	35.43	3.96
23 35 16 16-0042		Accessories *(23 35 16 16-0001)*		
23 35 16 16-0043	EA	3" Tail Pipe Adapter	68.14	9.60
23 35 16 16-0044	EA	4" Tail Pipe Adapter	70.10	9.60
23 35 16 16-0045	EA	5" Tail Pipe Adapter	74.62	10.88
23 35 16 16-0046	EA	3" Bullnose (Guide)	37.81	6.40
23 35 16 16-0047	EA	4" Bullnose (Guide)	40.18	7.03
23 35 16 16-0048	EA	5" Bullnose (Guide)	42.88	7.68
23 35 16 16-0049	EA	Flex-Hose Winch And Associated Hardware	276.85	72.57
23 35 16 16-0050	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.16	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 35 19 Fume Exhaust Systems *(23 35)*

23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	2,771.05	511.51
23 35 19 00-0002	EA	Hose Extension Kit 5'	460.40	113.64

23 36 Air Terminal Units *(23 30)*

23 36 13 Constant-Air-Volume Units *(23 36)*

23 36 13 00-0001 Vertical Units, With Electric Heating Coils *(23 36 13)*

23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,876.80	168.69
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	2,258.06	181.67
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	2,409.13	188.16
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	2,573.17	201.14
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	2,902.91	207.62

23 36 13 00-0007 Horizontal Units, With Electric Heating Coils *(23 36 13)*

23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,592.68	168.69
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,902.75	181.67
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,270.72	191.41

23 36 13 00-0011 Duct Boxes, Constant Volume Control *(23 36 13)*

23 36 13 00-0012 Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,564.34	52.72
		For Boxes With Motor, Add	*271.25*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,731.49	56.88
		For Boxes With Motor, Add	*300.89*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,798.65	62.43
		For Boxes With Motor, Add	*309.78*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,831.28	65.21
		For Boxes With Motor, Add	*314.23*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,858.19	72.14
		For Boxes With Motor, Add	*314.23*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	2,125.23	80.47
		For Boxes With Motor, Add	*360.18*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	2,229.53	90.18
		For Boxes With Motor, Add	*373.52*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,365.52	108.22
		For Boxes With Motor, Add	*386.99*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,500.46	124.87
		For Boxes With Motor, Add	*400.20*	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	2,202.36	52.72
		For Boxes With Motor, Add	*398.85*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	2,355.92	56.88
		For Boxes With Motor, Add	*425.78*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,458.56	62.43
		For Boxes With Motor, Add	*441.77*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,561.52	65.21
		For Boxes With Motor, Add	*460.28*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,588.43	72.14
		For Boxes With Motor, Add	*460.28*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,974.92	81.86
		For Boxes With Motor, Add	*530.12*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	3,252.13	90.18
		For Boxes With Motor, Add	*578.08*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	3,501.89	108.22
		For Boxes With Motor, Add	*614.26*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,654.92	124.87
		For Boxes With Motor, Add	*631.09*	

23 36 16 Variable-Air-Volume Units *(23 36)*

23 36 16 00-0001 Variable Volume Terminal Unit *(23 36 16)*

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

23 36 16 00-0002 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	677.34	63.82
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	757.84	72.14
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	843.53	80.47
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	899.93	90.18
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	1,241.81	194.10
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	1,495.62	230.31
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0009 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With pneumatic controls.

23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	1,422.76	63.82
		For Fan Powered Variable Air Volume Box, Add	*1,507.76*	
		For Hot Water Coils, Add	*474.68*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,538.24	72.14
		For Fan Powered Variable Air Volume Box, Add	*1,614.80*	
		For Hot Water Coils, Add	*507.41*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,610.47	80.47
		For Fan Powered Variable Air Volume Box, Add	*1,665.10*	
		For Hot Water Coils, Add	*521.60*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,680.32	90.18
		For Fan Powered Variable Air Volume Box, Add	*1,712.09*	
		For Hot Water Coils, Add	*534.69*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,949.55	194.10
		For Fan Powered Variable Air Volume Box, Add	*1,921.39*	
		For Hot Water Coils, Add	*595.80*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	2,262.56	230.31
		For Fan Powered Variable Air Volume Box, Add	*2,083.52*	
		For Hot Water Coils, Add	*636.18*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0016 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With analog electronic controls.

23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	2,351.16	63.82
		For Hot Water Coils, Add	*851.14*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	2,445.11	72.14
		For Hot Water Coils, Add	*875.15*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	2,530.80	80.47
		For Hot Water Coils, Add	*894.79*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,651.78	90.18
		For Hot Water Coils, Add	*928.62*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,923.70	194.10
		For Hot Water Coils, Add	*990.82*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,977.52	194.10
		For Hot Water Coils, Add	*1,012.64*	
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With flow control installation, plenum system power box, thermostat.

23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,611.25	126.11
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,761.80	143.60
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,885.84	162.19
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	2,068.02	180.92
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	2,324.73	208.11
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	2,552.56	249.73
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) *(23 36 16 00-0001)*

23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	662.14	86.71
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	718.89	95.38
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	777.19	104.05
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	837.14	112.72
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	898.88	121.39
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	962.48	130.07
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	1,033.32	138.74
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	1,101.49	147.41
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,172.02	156.08
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	1,245.03	164.75
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,320.74	173.43
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,399.31	182.10
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,480.97	190.77
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,558.79	199.44
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,646.74	208.11
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets and Inlets *(23 30)*

23 37 13 Diffusers, Registers, and Grilles *(23 37)*

23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	138.90	18.04
		For Steel Construction, Deduct	*-10.13*	
		For Surface Mount, Deduct	*-8.10*	
		For Diffuser Without Damper, Deduct	*-13.51*	
		For Stainless Steel, Add	*168.85*	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	153.91	18.04
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*206.38*	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	153.91	18.04
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*206.38*	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	184.92	22.20
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*247.03*	
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	184.92	20.81
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*247.03*	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	212.44	20.81
		For Steel Construction, Deduct	*-18.95*	
		For Surface Mount, Deduct	*-15.16*	
		For Diffuser Without Damper, Deduct	*-25.27*	
		For Stainless Steel, Add	*315.83*	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	243.94	27.75
		For Steel Construction, Deduct	*-20.37*	
		For Surface Mount, Deduct	*-16.30*	
		For Diffuser Without Damper, Deduct	*-27.17*	
		For Stainless Steel, Add	*339.58*	
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	283.13	29.13
		For Steel Construction, Deduct	*-25.44*	
		For Surface Mount, Deduct	*-20.35*	
		For Diffuser Without Damper, Deduct	*-33.92*	
		For Stainless Steel, Add	*424.03*	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	320.75	33.30
		For Steel Construction, Deduct	*-28.29*	
		For Surface Mount, Deduct	*-22.63*	
		For Lay-In Mount, Deduct	*-22.63*	
		For Diffuser Without Damper, Deduct	*-37.72*	
		For Stainless Steel, Add	*471.55*	

23 37 13 13-0012 Ceiling Diffusers With Louver Face *(23 37 13 13-0001)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	143.91	18.04
		For Steel Construction, Deduct	*-10.88*	
		For Lay-In Mount, Add	*14.51*	
		For Stainless Steel, Add	*181.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	163.42	18.04
		For Steel Construction, Deduct	*-13.81*	
		For Lay-In Mount, Add	*18.41*	
		For Stainless Steel, Add	*230.15*	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	163.42	18.04
		For Steel Construction, Deduct	*-13.81*	
		For Lay-In Mount, Add	*18.41*	
		For Stainless Steel, Add	*230.15*	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	196.18	20.81
		For Steel Construction, Deduct	*-16.51*	
		For Lay-In Mount, Add	*22.01*	
		For Stainless Steel, Add	*275.18*	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	196.18	22.20
		For Steel Construction, Deduct	*-16.51*	
		For Lay-In Mount, Add	*22.01*	
		For Stainless Steel, Add	*275.18*	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	252.67	27.75
		For Steel Construction, Deduct	*-21.61*	
		For Lay-In Mount, Add	*28.82*	
		For Stainless Steel, Add	*360.23*	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	226.15	27.75
		For Steel Construction, Deduct	*-17.64*	
		For Lay-In Mount, Add	*23.51*	
		For Stainless Steel, Add	*293.93*	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	282.27	33.30
		For Steel Construction, Deduct	*-22.63*	
		For Lay-In Mount, Add	*30.17*	
		For Stainless Steel, Add	*377.10*	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	326.21	37.46
		For Steel Construction, Deduct	*-28.14*	
		For Lay-In Mount, Add	*37.52*	
		For Stainless Steel, Add	*469.05*	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	356.28	73.39
		For Steel Construction, Deduct	*-31.41*	
		For Lay-In Mount, Add	*41.88*	
		For Stainless Steel, Add	*523.45*	
23 37 13 13-0023		**Round Ceiling Diffusers With Fixed Pattern** *(23 37 13 13-0001)*		
		Note: Aluminum construction.		
23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	233.74	18.04
		For Steel Construction, Deduct	*-48.71*	
		For Stainless Steel, Add	*405.95*	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	242.07	18.04
		For Steel Construction, Deduct	*-51.21*	
		For Stainless Steel, Add	*426.78*	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	273.47	22.20
		For Steel Construction, Deduct	*-56.21*	
		For Stainless Steel, Add	*468.40*	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	294.29	20.81
		For Steel Construction, Deduct	*-62.45*	
		For Stainless Steel, Add	*520.45*	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	420.49	24.97
		For Steel Construction, Deduct	*-96.18*	
		For Stainless Steel, Add	*801.48*	
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	443.38	26.36
		For Steel Construction, Deduct	*-101.80*	
		For Stainless Steel, Add	*848.33*	
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	466.64	27.75
		For Steel Construction, Deduct	*-107.42*	
		For Stainless Steel, Add	*895.15*	
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	539.13	27.75
		For Steel Construction, Deduct	*-127.68*	
		For Stainless Steel, Add	*1,064.03*	
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	643.00	31.91
		For Steel Construction, Deduct	*-155.44*	
		For Stainless Steel, Add	*1,295.33*	
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	723.58	33.30
		For Steel Construction, Deduct	*-177.65*	
		For Stainless Steel, Add	*1,480.38*	
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	863.96	37.46
		For Steel Construction, Deduct	*-215.12*	
		For Stainless Steel, Add	*1,792.65*	
23 37 13 13-0035		**Round Ceiling Diffusers With Adjustable Pattern Dropped Style** *(23 37 13 13-0001)*		
		Note: Aluminum construction.		
23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	246.23	18.04
		For Steel Construction, Deduct	*-17.49*	
		For Flush Mount, Deduct	*-8.74*	
		For Stainless Steel, Add	*437.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	267.74	18.04
		For Steel Construction, Deduct	*-19.64*	
		For Flush Mount, Deduct	*-9.82*	
		For Stainless Steel, Add	*490.95*	
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	303.54	22.20
		For Steel Construction, Deduct	*-21.74*	
		For Flush Mount, Deduct	*-10.87*	
		For Stainless Steel, Add	*543.58*	
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	327.60	22.20
		For Steel Construction, Deduct	*-24.15*	
		For Flush Mount, Deduct	*-12.07*	
		For Stainless Steel, Add	*603.73*	
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	474.62	24.97
		For Steel Construction, Deduct	*-37.47*	
		For Flush Mount, Deduct	*-18.74*	
		For Stainless Steel, Add	*936.80*	
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	410.79	26.36
		For Steel Construction, Deduct	*-40.04*	
		For Flush Mount, Deduct	*-20.02*	
		For Stainless Steel, Add	*1,000.98*	
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	534.65	27.75
		For Steel Construction, Deduct	*-42.61*	
		For Flush Mount, Deduct	*-21.30*	
		For Stainless Steel, Add	*1,065.18*	
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	620.09	29.13
		For Steel Construction, Deduct	*-50.66*	
		For Flush Mount, Deduct	*-25.33*	
		For Stainless Steel, Add	*1,266.43*	
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	700.37	31.91
		For Steel Construction, Deduct	*-57.55*	
		For Flush Mount, Deduct	*-28.78*	
		For Stainless Steel, Add	*1,438.75*	
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	848.49	33.30
		For Steel Construction, Deduct	*-71.71*	
		For Flush Mount, Deduct	*-35.85*	
		For Stainless Steel, Add	*1,792.65*	
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,021.71	37.46
		For Steel Construction, Deduct	*-87.48*	
		For Flush Mount, Deduct	*-43.74*	
		For Stainless Steel, Add	*2,187.03*	
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,131.75	78.11
		For Stainless Steel, Add	*2,439.18*	

23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection *(23 37 13 13-0001)*

23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	188.32	20.81
		For Stainless Steel, Add	*262.68*	
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	202.61	20.81
		For Stainless Steel, Add	*298.40*	
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	220.18	20.81
		For Stainless Steel, Add	*342.33*	
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	237.30	20.81
		For Stainless Steel, Add	*385.13*	

23 37 13 13-0053 Wall And Floor Diffusers *(23 37 13 13)*

23 37 13 13-0054 Slot Type Linear Diffusers *(23 37 13 13-0053)*

Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.

23 37 13 13-0055	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	63.84	6.94
		For 3/4" Border, Add	*8.68*	
		For Floor Mounted Diffusers, Add	*10.41*	
		For Stainless Steel, Add	*45.11*	
23 37 13 13-0056	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	78.15	8.32
		For 3/4" Border, Add	*11.57*	
		For Floor Mounted Diffusers, Add	*13.88*	
		For Stainless Steel, Add	*60.14*	
23 37 13 13-0057	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	108.95	9.71
		For 3/4" Border, Add	*18.22*	
		For Floor Mounted Diffusers, Add	*21.86*	
		For Stainless Steel, Add	*94.72*	
23 37 13 13-0058	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	144.30	9.71
		For 3/4" Border, Add	*26.02*	
		For Floor Mounted Diffusers, Add	*31.23*	
		For Stainless Steel, Add	*135.32*	
23 37 13 13-0059	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	181.14	11.10
		For 3/4" Border, Add	*33.83*	
		For Floor Mounted Diffusers, Add	*40.60*	
		For Stainless Steel, Add	*175.92*	
23 37 13 13-0060	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	212.28	13.87
		For 3/4" Border, Add	*39.90*	
		For Floor Mounted Diffusers, Add	*47.88*	
		For Stainless Steel, Add	*207.48*	

23 37 13 13-0061 Linear Bar Grilles And Registers *(23 37 13 13-0053)*

Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0062	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	199.59	8.32
		For Floor Mount, Add	*16.77*	
		For Opposed Blade Damper, Add	*33.54*	
		For Stainless Steel, Add	*218.01*	
23 37 13 13-0063	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	238.48	9.71
		For Floor Mount, Add	*20.24*	
		For Opposed Blade Damper, Add	*40.48*	
		For Stainless Steel, Add	*263.11*	
23 37 13 13-0064	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	259.95	9.71
		For Floor Mount, Add	*21.97*	
		For Opposed Blade Damper, Add	*43.95*	
		For Stainless Steel, Add	*285.66*	
23 37 13 13-0065	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	318.68	13.87
		For Floor Mount, Add	*26.60*	
		For Opposed Blade Damper, Add	*53.20*	
		For Stainless Steel, Add	*345.80*	
23 37 13 13-0066	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	440.83	18.04
		For Floor Mount, Add	*37.01*	
		For Opposed Blade Damper, Add	*74.02*	
		For Stainless Steel, Add	*481.12*	
23 37 13 13-0067	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	508.25	20.81
		For Floor Mount, Add	*42.21*	
		For Opposed Blade Damper, Add	*84.43*	
		For Stainless Steel, Add	*548.78*	

23 37 13 13-0068 Return/Exhaust Registers And Grilles *(23 37 13 13)*

23 37 13 13-0069 Return/Exhaust Registers With Frame *(23 37 13 13-0068)*

Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.

23 37 13 13-0070	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	136.16	11.10
		For Steel Construction, Deduct	*-18.62*	
		For Grilles (No Damper), Deduct	*-37.24*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*9.31*	
		For Cube Core Lay In, Add	*18.62*	
		For Stainless Steel, Add	*232.75*	
23 37 13 13-0071	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	156.40	11.10
		For Steel Construction, Deduct	*-22.67*	
		For Grilles (No Damper), Deduct	*-45.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.33*	
		For Cube Core Lay In, Add	*22.67*	
		For Stainless Steel, Add	*283.35*	
23 37 13 13-0072	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	175.43	12.48
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*313.70*	
23 37 13 13-0073	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	183.56	13.87
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*313.70*	
23 37 13 13-0074	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	175.47	13.87
		For Steel Construction, Deduct	*-23.48*	
		For Grilles (No Damper), Deduct	*-46.96*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.74*	
		For Cube Core Lay In, Add	*23.48*	
		For Stainless Steel, Add	*293.48*	
23 37 13 13-0075	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	225.18	18.04
		For Steel Construction, Deduct	*-30.76*	
		For Grilles (No Damper), Deduct	*-61.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.38*	
		For Cube Core Lay In, Add	*30.76*	
		For Stainless Steel, Add	*384.55*	
23 37 13 13-0076	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	269.77	20.81
		For Steel Construction, Deduct	*-36.73*	
		For Grilles (No Damper), Deduct	*-73.46*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*18.37*	
		For Cube Core Lay In, Add	*36.73*	
		For Stainless Steel, Add	*459.15*	
23 37 13 13-0077	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	330.62	24.97
		For Steel Construction, Deduct	*-46.14*	
		For Grilles (No Damper), Deduct	*-92.29*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.07*	
		For Cube Core Lay In, Add	*46.14*	
		For Stainless Steel, Add	*576.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0078	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	387.98	27.75
		For Steel Construction, Deduct	*-55.88*	
		For Grilles (No Damper), Deduct	*-111.76*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.94*	
		For Cube Core Lay In, Add	*55.88*	
		For Stainless Steel, Add	*698.50*	
23 37 13 13-0079	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	347.22	27.75
		For Steel Construction, Deduct	*-46.74*	
		For Grilles (No Damper), Deduct	*-93.48*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.37*	
		For Cube Core Lay In, Add	*46.74*	
		For Stainless Steel, Add	*584.25*	
23 37 13 13-0080	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	396.86	27.75
		For Steel Construction, Deduct	*-56.67*	
		For Grilles (No Damper), Deduct	*-113.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.33*	
		For Cube Core Lay In, Add	*56.67*	
		For Stainless Steel, Add	*708.35*	
23 37 13 13-0081	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	418.55	31.91
		For Steel Construction, Deduct	*-58.74*	
		For Grilles (No Damper), Deduct	*-117.47*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*29.37*	
		For Cube Core Lay In, Add	*58.74*	
		For Stainless Steel, Add	*734.20*	
23 37 13 13-0082	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	443.54	33.30
		For Steel Construction, Deduct	*-62.42*	
		For Grilles (No Damper), Deduct	*-124.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*31.21*	
		For Cube Core Lay In, Add	*62.42*	
		For Stainless Steel, Add	*780.28*	
23 37 13 13-0083	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	511.19	37.46
		For Steel Construction, Deduct	*-72.86*	
		For Grilles (No Damper), Deduct	*-145.72*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*36.43*	
		For Cube Core Lay In, Add	*72.86*	
		For Stainless Steel, Add	*910.73*	
23 37 13 13-0084	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	572.62	44.40
		For Steel Construction, Deduct	*-78.85*	
		For Grilles (No Damper), Deduct	*-157.70*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*39.42*	
		For Cube Core Lay In, Add	*78.85*	
		For Stainless Steel, Add	*985.60*	
23 37 13 13-0085	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	744.02	44.40
		For Steel Construction, Deduct	*-113.13*	
		For Grilles (No Damper), Deduct	*-226.26*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*56.56*	
		For Cube Core Lay In, Add	*113.13*	
		For Stainless Steel, Add	*1,414.10*	
23 37 13 13-0086	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	617.99	48.56
		For Steel Construction, Deduct	*-85.18*	
		For Grilles (No Damper), Deduct	*-170.36*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*42.59*	
		For Cube Core Lay In, Add	*85.18*	
		For Stainless Steel, Add	*1,064.73*	
23 37 13 13-0087	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	601.71	47.17
		For Steel Construction, Deduct	*-81.92*	
		For Grilles (No Damper), Deduct	*-163.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*40.96*	
		For Cube Core Lay In, Add	*81.92*	
		For Stainless Steel, Add	*1,024.03*	
23 37 13 13-0088	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	685.14	52.72
		For Steel Construction, Deduct	*-95.41*	
		For Grilles (No Damper), Deduct	*-190.81*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*47.70*	
		For Cube Core Lay In, Add	*95.41*	
		For Stainless Steel, Add	*1,192.58*	
23 37 13 13-0089	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	929.09	56.88
		For Steel Construction, Deduct	*-140.41*	
		For Grilles (No Damper), Deduct	*-280.82*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*70.21*	
		For Cube Core Lay In, Add	*140.41*	
		For Stainless Steel, Add	*1,755.15*	
23 37 13 13-0090	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	412.09	32.05
		For Steel Construction, Deduct	*-56.81*	
		For Grilles (No Damper), Deduct	*-113.62*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.41*	
		For Cube Core Lay In, Add	*56.81*	
		For Stainless Steel, Add	*710.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0091	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	710.98	48.03
		For Steel Construction, Deduct	*-103.78*	
		For Grilles (No Damper), Deduct	*-207.55*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*51.89*	
		For Cube Core Lay In, Add	*103.78*	
		For Stainless Steel, Add	*1,297.20*	
23 37 13 13-0092	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	823.27	56.88
		For Steel Construction, Deduct	*-119.08*	
		For Grilles (No Damper), Deduct	*-238.16*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*59.54*	
		For Cube Core Lay In, Add	*119.08*	
		For Stainless Steel, Add	*1,488.53*	

23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0068)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 13-0094	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	125.64	11.10
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*206.45*	
23 37 13 13-0095	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	125.64	11.10
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*206.45*	
23 37 13 13-0096	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	154.39	12.48
		For Steel Construction, Deduct	*-10.44*	
		For Flat Frame, Deduct	*-1.04*	
		For Grilles (No Damper), Deduct	*-20.89*	
		For Stainless Steel, Add	*261.10*	
23 37 13 13-0097	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	177.09	15.26
		For Steel Construction, Deduct	*-11.90*	
		For Flat Frame, Deduct	*-1.19*	
		For Grilles (No Damper), Deduct	*-23.80*	
		For Stainless Steel, Add	*297.53*	
23 37 13 13-0098	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	174.66	13.87
		For Steel Construction, Deduct	*-11.66*	
		For Flat Frame, Deduct	*-1.17*	
		For Grilles (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*291.45*	
23 37 13 13-0099	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	226.80	18.04
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-1.55*	
		For Grilles (No Damper), Deduct	*-31.09*	
		For Stainless Steel, Add	*388.60*	
23 37 13 13-0100	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	367.03	22.20
		For Steel Construction, Deduct	*-28.09*	
		For Flat Frame, Deduct	*-2.81*	
		For Grilles (No Damper), Deduct	*-56.18*	
		For Stainless Steel, Add	*702.30*	
23 37 13 13-0101	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	442.35	24.97
		For Steel Construction, Deduct	*-34.25*	
		For Flat Frame, Deduct	*-3.42*	
		For Grilles (No Damper), Deduct	*-68.49*	
		For Stainless Steel, Add	*856.13*	
23 37 13 13-0102	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	499.61	27.75
		For Steel Construction, Deduct	*-39.10*	
		For Flat Frame, Deduct	*-3.91*	
		For Grilles (No Damper), Deduct	*-78.21*	
		For Stainless Steel, Add	*977.58*	
23 37 13 13-0103	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	414.68	27.75
		For Steel Construction, Deduct	*-30.12*	
		For Flat Frame, Deduct	*-3.01*	
		For Grilles (No Damper), Deduct	*-60.23*	
		For Stainless Steel, Add	*752.90*	
23 37 13 13-0104	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	560.41	29.13
		For Steel Construction, Deduct	*-44.69*	
		For Flat Frame, Deduct	*-4.47*	
		For Grilles (No Damper), Deduct	*-89.38*	
		For Stainless Steel, Add	*1,117.23*	
23 37 13 13-0105	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	654.33	31.91
		For Steel Construction, Deduct	*-52.95*	
		For Flat Frame, Deduct	*-5.29*	
		For Grilles (No Damper), Deduct	*-105.89*	
		For Stainless Steel, Add	*1,323.65*	
23 37 13 13-0106	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	500.60	33.30
		For Steel Construction, Deduct	*-36.92*	
		For Flat Frame, Deduct	*-3.69*	
		For Grilles (No Damper), Deduct	*-73.83*	
		For Stainless Steel, Add	*922.93*	
23 37 13 13-0107	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	690.94	37.46
		For Steel Construction, Deduct	*-54.40*	
		For Flat Frame, Deduct	*-5.44*	
		For Grilles (No Damper), Deduct	*-108.81*	
		For Stainless Steel, Add	*1,360.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0108	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	831.71	44.40
		For Steel Construction, Deduct	*-65.33*	
		For Flat Frame, Deduct	*-6.53*	
		For Grilles (No Damper), Deduct	*-130.67*	
		For Stainless Steel, Add	*1,633.33*	
23 37 13 13-0109	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	954.36	44.40
		For Steel Construction, Deduct	*-77.60*	
		For Flat Frame, Deduct	*-7.76*	
		For Grilles (No Damper), Deduct	*-155.20*	
		For Stainless Steel, Add	*1,939.95*	
23 37 13 13-0110	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	646.27	47.17
		For Steel Construction, Deduct	*-45.42*	
		For Flat Frame, Deduct	*-4.54*	
		For Grilles (No Damper), Deduct	*-90.83*	
		For Stainless Steel, Add	*1,135.43*	
23 37 13 13-0111	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	879.43	47.17
		For Steel Construction, Deduct	*-68.73*	
		For Flat Frame, Deduct	*-6.87*	
		For Grilles (No Damper), Deduct	*-137.47*	
		For Stainless Steel, Add	*1,718.33*	
23 37 13 13-0112	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,019.31	52.72
		For Steel Construction, Deduct	*-81.12*	
		For Flat Frame, Deduct	*-8.11*	
		For Grilles (No Damper), Deduct	*-162.24*	
		For Stainless Steel, Add	*2,028.00*	
23 37 13 13-0113	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,192.45	56.88
		For Steel Construction, Deduct	*-96.54*	
		For Flat Frame, Deduct	*-9.65*	
		For Grilles (No Damper), Deduct	*-193.08*	
		For Stainless Steel, Add	*2,413.55*	
23 37 13 13-0114	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,260.46	56.88
		For Steel Construction, Deduct	*-103.34*	
		For Flat Frame, Deduct	*-10.33*	
		For Grilles (No Damper), Deduct	*-206.69*	
		For Stainless Steel, Add	*2,583.58*	

23 37 13 13-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0068)*

23 37 13 13-0116	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	64.87	13.57
23 37 13 13-0117	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	64.87	13.57
23 37 13 13-0118	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	70.30	13.57
23 37 13 13-0119	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	72.48	13.57
23 37 13 13-0120	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	70.30	13.57
23 37 13 13-0121	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	72.48	13.57
23 37 13 13-0122	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	87.45	17.79
23 37 13 13-0123	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.63	17.79
23 37 13 13-0124	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	85.28	17.79
23 37 13 13-0125	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.63	17.79
23 37 13 13-0126	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	91.80	17.79
23 37 13 13-0127	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	93.98	17.79
23 37 13 13-0128	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	90.71	17.79
23 37 13 13-0129	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	95.06	17.79
23 37 13 13-0130	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	97.24	17.79
23 37 13 13-0131	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	107.02	17.79
23 37 13 13-0132	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	95.06	17.79
23 37 13 13-0133	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	102.67	17.79
23 37 13 13-0134	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	107.02	17.79
23 37 13 13-0135	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	138.06	26.23
23 37 13 13-0136	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	140.23	26.23
23 37 13 13-0137	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	135.88	26.23
23 37 13 13-0138	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	166.07	30.46
23 37 13 13-0139	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	133.71	26.23
23 37 13 13-0140	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	176.94	30.46
23 37 13 13-0141	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	92.89	17.79
23 37 13 13-0142	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	135.88	26.23
23 37 13 13-0143	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	198.44	34.68
23 37 13 13-0144	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	133.71	26.23
23 37 13 13-0145	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	138.06	26.23
23 37 13 13-0146	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	159.55	30.46
		For Lay-In Installation, Deduct	*-64.20*	
23 37 13 13-0147	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	166.07	30.46
23 37 13 13-0148	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	185.39	34.68
23 37 13 13-0149	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	191.92	34.68
23 37 13 13-0150	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	199.53	34.68
23 37 13 13-0151	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	213.66	34.68
		For Lay-In Installation, Deduct	*-73.52*	
23 37 13 13-0152	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	162.81	30.46
23 37 13 13-0153	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	261.94	38.01
23 37 13 13-0154	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	445.19	46.45
		For Lay-In Installation, Deduct	*-105.80*	

23 37 13 13-0155 Supply Registers and Grilles *(23 37 13 13)*

23 37 13 13-0156 Adjustable Curved Blade Register *(23 37 13 13-0155)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0157	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	113.77	11.10
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*176.95*	
23 37 13 13-0158	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	117.93	11.10
		For Steel Construction, Deduct	*-11.24*	
		For Lay In Frame, Deduct	*-18.74*	
		For Three Way Pattern, Deduct	*-7.49*	
		For Two Way Pattern, Deduct	*-6.00*	
		For One Way Pattern, Deduct	*-6.00*	
		For Grille (No Damper), Deduct	*-11.24*	
		For Stainless Steel, Add	*187.35*	
23 37 13 13-0159	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	128.99	15.26
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*176.95*	
23 37 13 13-0160	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	144.26	13.87
		For Steel Construction, Deduct	*-12.91*	
		For Lay In Frame, Deduct	*-21.51*	
		For Three Way Pattern, Deduct	*-8.61*	
		For Two Way Pattern, Deduct	*-6.88*	
		For One Way Pattern, Deduct	*-6.88*	
		For Grille (No Damper), Deduct	*-12.91*	
		For Stainless Steel, Add	*215.13*	
23 37 13 13-0161	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	173.44	18.04
		For Steel Construction, Deduct	*-15.41*	
		For Lay In Frame, Deduct	*-25.68*	
		For Three Way Pattern, Deduct	*-10.27*	
		For Two Way Pattern, Deduct	*-8.22*	
		For One Way Pattern, Deduct	*-8.22*	
		For Grille (No Damper), Deduct	*-15.41*	
		For Stainless Steel, Add	*256.75*	
23 37 13 13-0162	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	213.79	20.81
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*319.20*	
23 37 13 13-0163	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	213.79	20.81
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*319.20*	
23 37 13 13-0164	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	263.55	27.75
		For Steel Construction, Deduct	*-23.32*	
		For Lay In Frame, Deduct	*-38.86*	
		For Three Way Pattern, Deduct	*-15.54*	
		For Two Way Pattern, Deduct	*-12.44*	
		For One Way Pattern, Deduct	*-12.44*	
		For Grille (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*388.60*	
23 37 13 13-0165	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	348.07	29.13
		For Steel Construction, Deduct	*-35.18*	
		For Lay In Frame, Deduct	*-58.64*	
		For Three Way Pattern, Deduct	*-23.46*	
		For Two Way Pattern, Deduct	*-18.76*	
		For One Way Pattern, Deduct	*-18.76*	
		For Grille (No Damper), Deduct	*-35.18*	
		For Stainless Steel, Add	*586.38*	
23 37 13 13-0166	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	568.02	58.82
		For Steel Construction, Deduct	*-67.55*	
		For Lay In Frame, Deduct	*-112.59*	
		For Three Way Pattern, Deduct	*-45.04*	
		For Two Way Pattern, Deduct	*-36.03*	
		For One Way Pattern, Deduct	*-36.03*	
		For Grille (No Damper), Deduct	*-67.55*	
		For Stainless Steel, Add	*1,125.90*	

23 37 13 13-0167 Removable-Reversible Core Registers *(23 37 13 13-0155)*

Note: Double deflection radiused frame aluminum construction.

23 37 13 13-0168	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	131.81	11.10
		For Steel Construction, Deduct	*-8.88*	
		For Flat Frame, Deduct	*-8.88*	
		For Grille (No Damper), Deduct	*-26.65*	
		For Stainless Steel, Add	*222.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0169	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	167.90	11.10
		For Steel Construction, Deduct	*-12.49*	
		For Flat Frame, Deduct	*-12.49*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*312.28*	
23 37 13 13-0170	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	213.65	15.26
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-15.54*	
		For Grille (No Damper), Deduct	*-46.63*	
		For Stainless Steel, Add	*388.60*	
23 37 13 13-0171	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	216.42	15.26
		For Steel Construction, Deduct	*-15.82*	
		For Flat Frame, Deduct	*-15.82*	
		For Grille (No Damper), Deduct	*-47.46*	
		For Stainless Steel, Add	*395.53*	
23 37 13 13-0172	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	276.14	18.04
		For Steel Construction, Deduct	*-20.54*	
		For Flat Frame, Deduct	*-20.54*	
		For Grille (No Damper), Deduct	*-61.62*	
		For Stainless Steel, Add	*513.50*	
23 37 13 13-0173	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	394.21	22.20
		For Steel Construction, Deduct	*-30.81*	
		For Flat Frame, Deduct	*-30.81*	
		For Grille (No Damper), Deduct	*-92.43*	
		For Stainless Steel, Add	*770.25*	
23 37 13 13-0174	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	444.17	20.81
		For Steel Construction, Deduct	*-35.81*	
		For Flat Frame, Deduct	*-35.81*	
		For Grille (No Damper), Deduct	*-107.42*	
		For Stainless Steel, Add	*895.15*	
23 37 13 13-0175	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	535.57	27.75
		For Steel Construction, Deduct	*-42.75*	
		For Flat Frame, Deduct	*-42.75*	
		For Grille (No Damper), Deduct	*-128.24*	
		For Stainless Steel, Add	*1,068.65*	
23 37 13 13-0176	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	676.99	27.75
		For Steel Construction, Deduct	*-56.35*	
		For Flat Frame, Deduct	*-56.35*	
		For Grille (No Damper), Deduct	*-169.04*	
		For Stainless Steel, Add	*1,408.68*	

23 37 13 13-0177 Adjustable Shutter Blade Registers *(23 37 13 13-0155)*

Note: Double deflection flat frame aluminum construction.

23 37 13 13-0178	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	204.91	11.10
		For Steel Construction, Deduct	*-16.19*	
		For Single Deflection, Deduct	*-32.38*	
		For Grille (No Damper), Deduct	*-24.29*	
		For Stainless Steel, Add	*404.80*	
23 37 13 13-0179	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	237.29	11.10
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*485.75*	
23 37 13 13-0180	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	252.51	15.26
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*485.75*	
23 37 13 13-0181	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	261.76	13.87
		For Steel Construction, Deduct	*-20.36*	
		For Single Deflection, Deduct	*-40.71*	
		For Grille (No Damper), Deduct	*-30.53*	
		For Stainless Steel, Add	*508.88*	
23 37 13 13-0182	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	320.55	18.04
		For Steel Construction, Deduct	*-24.98*	
		For Single Deflection, Deduct	*-49.96*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*624.53*	
23 37 13 13-0183	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	428.45	20.81
		For Steel Construction, Deduct	*-34.23*	
		For Single Deflection, Deduct	*-68.47*	
		For Grille (No Damper), Deduct	*-51.35*	
		For Stainless Steel, Add	*855.85*	
23 37 13 13-0184	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	507.09	22.20
		For Steel Construction, Deduct	*-42.10*	
		For Single Deflection, Deduct	*-84.20*	
		For Grille (No Damper), Deduct	*-63.15*	
		For Stainless Steel, Add	*1,052.45*	
23 37 13 13-0185	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	626.24	27.75
		For Steel Construction, Deduct	*-51.81*	
		For Single Deflection, Deduct	*-103.63*	
		For Grille (No Damper), Deduct	*-77.72*	
		For Stainless Steel, Add	*1,295.33*	
23 37 13 13-0186	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	867.59	29.13
		For Steel Construction, Deduct	*-75.41*	
		For Single Deflection, Deduct	*-150.81*	
		For Grille (No Damper), Deduct	*-113.11*	
		For Stainless Steel, Add	*1,885.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0187		**Air Conditioning And Ventilation** *(23 37 13 13-0155)*		
23 37 13 13-0188	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	109.97	29.13
		For Stainless Steel, Add	*129.40*	
23 37 13 13-0189	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	190.23	43.36
		For Stainless Steel, Add	*258.80*	
23 37 13 13-0190	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	293.92	60.70
		For Stainless Steel, Add	*431.33*	
23 37 13 13-0191	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	735.84	83.25
		For Stainless Steel, Add	*1,423.40*	
23 37 13 13-0192		**Square Wall Return Air And Exhaust Grilles** *(23 37 13 13-0155)*		
		Note: Egg crate design aluminum construction.		
23 37 13 13-0193	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	100.60	34.74
23 37 13 13-0194	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	110.17	34.74
23 37 13 13-0195	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	164.04	52.12
23 37 13 13-0196	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	211.90	52.12
23 37 13 13-0197	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	354.33	69.49
23 37 13 13-0198	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	643.40	69.37
23 37 13 13-0199		**Rectangular Four-Way Adjustable Deflection Wall Supply Grilles** *(23 37 13 13-0155)*		
		Note: Aluminum construction.		
23 37 13 13-0200	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	292.17	25.01
23 37 13 13-0201	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	333.80	25.01
23 37 13 13-0202	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	402.62	27.80
23 37 13 13-0203	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	476.61	27.80
23 37 13 13-0204	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	611.51	86.86
23 37 13 13-0205		**Square Ceiling Return Air And Exhaust Grilles** *(23 37 13 13-0155)*		
		Note: Egg crate design, plastic construction.		
23 37 13 13-0206	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	56.08	16.63
23 37 13 13-0207	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	81.09	16.77
23 37 13 13-0208		**Door Grilles Sight Proof Inverted Vee Cross Section** *(23 37 13 13-0155)*		
		Note: Painted steel louvers and frame.		
23 37 13 13-0209	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	163.24	25.01
23 37 13 13-0210	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	204.27	25.01
23 37 13 13-0211	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	255.16	26.40
23 37 13 13-0212	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	352.31	31.55
23 37 13 13-0213	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	391.00	57.95
23 37 13 13-0214		**Stainless Steel Devices** *(23 37 13 13-0155)*		
23 37 13 13-0215		**304 Stainless Steel, Louvered Partition/Door Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0216	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	244.82	21.68
		For 316 Stainless Steel, Add	*41.74*	
23 37 13 13-0217	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	206.74	21.68
		For 316 Stainless Steel, Add	*34.12*	
23 37 13 13-0218		**304 Stainless Steel, Single Deflection Supply Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0219	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	185.64	21.68
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0220	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	157.95	21.68
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0221		**304 Stainless Steel, Double Deflection Supply Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0222	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	271.29	21.68
		For 316 Stainless Steel, Add	*47.03*	
23 37 13 13-0223	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	231.32	21.68
		For 316 Stainless Steel, Add	*39.04*	
23 37 13 13-0224		**304 Stainless Steel Return Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0225	SF	Up To 4 SF, 304 Stainless Steel Return Grille	185.64	21.68
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0226	SF	>4 SF, 304 Stainless Steel Return Grille	157.95	21.68
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0227		**304 Stainless Steel, Louvered Supply/Return Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0228	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	185.64	21.68
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0229	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	157.95	21.68
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0230		**304 Stainless Steel, Perforated Return Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0231	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	185.64	21.68
		For 316 Stainless Steel, Add	*29.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0232	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	150.34	21.68
		For 316 Stainless Steel, Add	*22.84*	
23 37 13 13-0233		**304 Stainless Steel, Perforated Supply Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0234	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	224.57	21.68
		For 316 Stainless Steel, Add	*37.69*	
23 37 13 13-0235	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	154.39	21.68
		For 316 Stainless Steel, Add	*23.65*	
23 37 13 13-0236		**304 Stainless Steel, Door Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0237	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	335.14	21.68
		For 316 Stainless Steel, Add	*59.80*	
23 37 13 13-0238	SF	>4 SF, 304 Stainless Steel, Door Grille	279.78	21.68
		For 316 Stainless Steel, Add	*48.73*	
23 37 13 13-0239		**304 Stainless Steel, Linear Bar Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0240	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	428.06	21.68
		For 316 Stainless Steel, Add	*78.38*	
23 37 13 13-0241	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	366.63	21.68
		For 316 Stainless Steel, Add	*66.10*	
23 37 13 13-0242		**304 Stainless Steel, Hinged Filter Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0243	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	314.90	21.68
		For 316 Stainless Steel, Add	*55.75*	
23 37 13 13-0244	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	218.01	21.68
		For 316 Stainless Steel, Add	*36.37*	
23 37 13 13-0245		**304 Stainless Steel, Opposed Blade Dampers Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0246	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	170.07	21.68
		For 316 Stainless Steel, Add	*26.79*	
23 37 13 13-0247	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	129.76	21.68
		For 316 Stainless Steel, Add	*18.72*	
23 37 13 13-0248		**304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 13-0214)*		
		Note: For frequent replacement.		
23 37 13 13-0249	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	132.69	21.68
		For 316 Stainless Steel, Add	*19.31*	
23 37 13 13-0250	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	70.92	21.68
		For 316 Stainless Steel, Add	*6.96*	
23 37 13 13-0251		**304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 13-0214)*		
23 37 13 13-0252	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	310.23	21.68
		For 316 Stainless Steel, Add	*54.82*	
23 37 13 13-0253	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	242.92	21.68
		For 316 Stainless Steel, Add	*41.36*	
23 37 13 13-0254		**304 Stainless Steel, Latticed Supply/Return Grilles** *(23 37 13 13-0214)*		
23 37 13 13-0255	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	109.33	21.68
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0256	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	109.33	21.68
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0257		**Removal And Reinstallation Of Distribution Devices** *(23 37 13 13)*		
		Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0258	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	260.13	
23 37 13 13-0259	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	286.91	
23 37 13 13-0260	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	43.00	
23 37 13 13-0261	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	58.24	
23 37 13 43		**Security Registers and Grilles** *(23 37 13)*		
23 37 13 43-0001		**Security Supply Or Return Grille** *(23 37 13 43)*		
		Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002	EA	8" x 4" Steel Security Grille	275.33	20.85
		For Anchoring Tabs, Add	*23.36*	
		For Rear Operated Opposed Blade Damper, Add	*85.94*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*58.41*	
		For Stainless Steel, Add	*303.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0003	EA	8" x 6" Steel Security Grille	305.04	21.54
		For Anchoring Tabs, Add	*26.20*	
		For Rear Operated Opposed Blade Damper, Add	*95.99*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*65.49*	
		For Stainless Steel, Add	*340.55*	
23 37 13 43-0004	EA	8" x 8" Steel Security Grille	349.54	24.32
		For Anchoring Tabs, Add	*30.09*	
		For Rear Operated Opposed Blade Damper, Add	*110.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*75.23*	
		For Stainless Steel, Add	*391.17*	
23 37 13 43-0005	EA	10" x 4" Steel Security Grille	305.67	23.62
		For Anchoring Tabs, Add	*25.84*	
		For Rear Operated Opposed Blade Damper, Add	*95.17*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*64.61*	
		For Stainless Steel, Add	*335.95*	
23 37 13 43-0006	EA	10" x 6" Steel Security Grille	326.15	25.01
		For Anchoring Tabs, Add	*27.61*	
		For Rear Operated Opposed Blade Damper, Add	*101.65*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*69.03*	
		For Stainless Steel, Add	*358.96*	
23 37 13 43-0007	EA	10" x 8" Steel Security Grille	372.80	27.09
		For Anchoring Tabs, Add	*31.86*	
		For Rear Operated Opposed Blade Damper, Add	*116.93*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*79.65*	
		For Stainless Steel, Add	*414.18*	
23 37 13 43-0008	EA	10" x 10" Steel Security Grille	415.90	29.19
		For Anchoring Tabs, Add	*35.75*	
		For Rear Operated Opposed Blade Damper, Add	*130.98*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*89.39*	
		For Stainless Steel, Add	*464.80*	
23 37 13 43-0009	EA	12" x 4" Steel Security Grille	321.85	26.40
		For Anchoring Tabs, Add	*26.90*	
		For Rear Operated Opposed Blade Damper, Add	*99.45*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*67.26*	
		For Stainless Steel, Add	*349.75*	
23 37 13 43-0010	EA	12" x 6" Steel Security Grille	359.26	29.19
		For Anchoring Tabs, Add	*30.09*	
		For Rear Operated Opposed Blade Damper, Add	*111.15*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*75.23*	
		For Stainless Steel, Add	*391.17*	
23 37 13 43-0011	EA	12" x 8" Steel Security Grille	409.46	31.27
		For Anchoring Tabs, Add	*34.69*	
		For Rear Operated Opposed Blade Damper, Add	*127.68*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*86.73*	
		For Stainless Steel, Add	*451.00*	
23 37 13 43-0012	EA	12" x 10" Steel Security Grille	445.48	33.35
		For Anchoring Tabs, Add	*37.88*	
		For Rear Operated Opposed Blade Damper, Add	*139.24*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*94.70*	
		For Stainless Steel, Add	*492.41*	
23 37 13 43-0013	EA	12" x 12" Steel Security Grille	492.13	35.44
		For Anchoring Tabs, Add	*42.13*	
		For Rear Operated Opposed Blade Damper, Add	*154.53*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*105.32*	
		For Stainless Steel, Add	*547.64*	
23 37 13 43-0014	EA	14" x 4" Steel Security Grille	343.71	28.49
		For Anchoring Tabs, Add	*28.67*	
		For Rear Operated Opposed Blade Damper, Add	*106.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*71.69*	
		For Stainless Steel, Add	*372.76*	
23 37 13 43-0015	EA	14" x 6" Steel Security Grille	386.83	30.57
		For Anchoring Tabs, Add	*32.57*	
		For Rear Operated Opposed Blade Damper, Add	*120.10*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*81.42*	
		For Stainless Steel, Add	*423.38*	
23 37 13 43-0016	EA	14" x 8" Steel Security Grille	431.32	33.35
		For Anchoring Tabs, Add	*36.46*	
		For Rear Operated Opposed Blade Damper, Add	*134.29*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*91.16*	
		For Stainless Steel, Add	*474.01*	
23 37 13 43-0017	EA	14" x 10" Steel Security Grille	486.44	36.14
		For Anchoring Tabs, Add	*41.42*	
		For Rear Operated Opposed Blade Damper, Add	*152.19*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*103.55*	
		For Stainless Steel, Add	*538.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0018	EA	14" x 12" Steel Security Grille	535.87	39.61
		For Anchoring Tabs, Add	*45.67*	
		For Rear Operated Opposed Blade Damper, Add	*167.75*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*114.17*	
		For Stainless Steel, Add	*593.66*	
23 37 13 43-0019	EA	14" x 14" Steel Security Grille	576.82	42.38
		For Anchoring Tabs, Add	*49.21*	
		For Rear Operated Opposed Blade Damper, Add	*180.70*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*123.02*	
		For Stainless Steel, Add	*639.68*	
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	413.62	33.35
		For Anchoring Tabs, Add	*34.69*	
		For Rear Operated Opposed Blade Damper, Add	*128.09*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*86.73*	
		For Stainless Steel, Add	*451.00*	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	472.28	36.14
		For Anchoring Tabs, Add	*40.00*	
		For Rear Operated Opposed Blade Damper, Add	*147.23*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*100.01*	
		For Stainless Steel, Add	*520.03*	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	509.69	38.91
		For Anchoring Tabs, Add	*43.19*	
		For Rear Operated Opposed Blade Damper, Add	*158.94*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*107.97*	
		For Stainless Steel, Add	*561.44*	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	574.05	40.99
		For Anchoring Tabs, Add	*49.21*	
		For Rear Operated Opposed Blade Damper, Add	*180.42*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*123.02*	
		For Stainless Steel, Add	*639.68*	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	607.92	43.78
		For Anchoring Tabs, Add	*52.04*	
		For Rear Operated Opposed Blade Damper, Add	*190.89*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*130.10*	
		For Stainless Steel, Add	*676.49*	
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	659.50	46.56
		For Anchoring Tabs, Add	*56.64*	
		For Rear Operated Opposed Blade Damper, Add	*207.55*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*141.60*	
		For Stainless Steel, Add	*736.32*	
23 37 13 43-0026	EA	18" x 6" Steel Security Grille	439.66	37.52
		For Anchoring Tabs, Add	*36.46*	
		For Rear Operated Opposed Blade Damper, Add	*135.12*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*91.16*	
		For Stainless Steel, Add	*474.01*	
23 37 13 43-0027	EA	18" x 8" Steel Security Grille	501.86	40.30
		For Anchoring Tabs, Add	*42.13*	
		For Rear Operated Opposed Blade Damper, Add	*155.50*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*105.32*	
		For Stainless Steel, Add	*547.64*	
23 37 13 43-0028	EA	18" x 10" Steel Security Grille	549.90	43.08
		For Anchoring Tabs, Add	*46.37*	
		For Rear Operated Opposed Blade Damper, Add	*170.93*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*115.94*	
		For Stainless Steel, Add	*602.86*	
23 37 13 43-0029	EA	18" x 12" Steel Security Grille	605.01	45.86
		For Anchoring Tabs, Add	*51.33*	
		For Rear Operated Opposed Blade Damper, Add	*188.83*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*128.33*	
		For Stainless Steel, Add	*667.29*	
23 37 13 43-0030	EA	18" x 14" Steel Security Grille	646.10	45.17
		For Anchoring Tabs, Add	*55.58*	
		For Rear Operated Opposed Blade Damper, Add	*203.56*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*138.95*	
		For Stainless Steel, Add	*722.51*	
23 37 13 43-0031	EA	18" x 16" Steel Security Grille	706.92	47.25
		For Anchoring Tabs, Add	*61.24*	
		For Rear Operated Opposed Blade Damper, Add	*223.80*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*153.11*	
		For Stainless Steel, Add	*796.15*	
23 37 13 43-0032	EA	18" x 18" Steel Security Grille	757.10	49.33
		For Anchoring Tabs, Add	*65.84*	
		For Rear Operated Opposed Blade Damper, Add	*240.32*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*164.61*	
		For Stainless Steel, Add	*855.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0033	EA	20" x 6" Steel Security Grille	471.39	40.99
		For Anchoring Tabs, Add	*38.94*	
		For Rear Operated Opposed Blade Damper, Add	*144.49*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*97.35*	
		For Stainless Steel, Add	*506.22*	
23 37 13 43-0034	EA	20" x 8" Steel Security Grille	532.82	45.17
		For Anchoring Tabs, Add	*44.25*	
		For Rear Operated Opposed Blade Damper, Add	*163.91*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*110.63*	
		For Stainless Steel, Add	*575.25*	
23 37 13 43-0035	EA	20" x 10" Steel Security Grille	586.56	47.25
		For Anchoring Tabs, Add	*49.21*	
		For Rear Operated Opposed Blade Damper, Add	*181.67*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*123.02*	
		For Stainless Steel, Add	*639.68*	
23 37 13 43-0036	EA	20" x 12" Steel Security Grille	645.21	50.03
		For Anchoring Tabs, Add	*54.52*	
		For Rear Operated Opposed Blade Damper, Add	*200.81*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*136.29*	
		For Stainless Steel, Add	*708.71*	
23 37 13 43-0037	EA	20" x 14" Steel Security Grille	709.55	52.12
		For Anchoring Tabs, Add	*60.53*	
		For Rear Operated Opposed Blade Damper, Add	*222.29*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*151.34*	
		For Stainless Steel, Add	*786.94*	
23 37 13 43-0038	EA	20" x 16" Steel Security Grille	766.83	54.20
		For Anchoring Tabs, Add	*65.84*	
		For Rear Operated Opposed Blade Damper, Add	*241.29*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*164.61*	
		For Stainless Steel, Add	*855.97*	
23 37 13 43-0039	EA	20" x 18" Steel Security Grille	820.56	56.28
		For Anchoring Tabs, Add	*70.80*	
		For Rear Operated Opposed Blade Damper, Add	*259.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*177.00*	
		For Stainless Steel, Add	*920.40*	
23 37 13 43-0040	EA	20" x 20" Steel Security Grille	884.91	58.36
		For Anchoring Tabs, Add	*76.82*	
		For Rear Operated Opposed Blade Damper, Add	*280.54*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*192.05*	
		For Stainless Steel, Add	*998.63*	
23 37 13 43-0041	EA	24" x 6" Steel Security Grille	523.59	45.86
		For Anchoring Tabs, Add	*43.19*	
		For Rear Operated Opposed Blade Damper, Add	*160.33*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*107.97*	
		For Stainless Steel, Add	*561.44*	
23 37 13 43-0042	EA	24" x 8" Steel Security Grille	592.11	50.03
		For Anchoring Tabs, Add	*49.21*	
		For Rear Operated Opposed Blade Damper, Add	*182.23*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*123.02*	
		For Stainless Steel, Add	*639.68*	
23 37 13 43-0043	EA	24" x 10" Steel Security Grille	647.99	51.42
		For Anchoring Tabs, Add	*54.52*	
		For Rear Operated Opposed Blade Damper, Add	*201.09*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*136.29*	
		For Stainless Steel, Add	*708.71*	
23 37 13 43-0044	EA	24" x 12" Steel Security Grille	726.36	56.97
		For Anchoring Tabs, Add	*61.24*	
		For Rear Operated Opposed Blade Damper, Add	*225.74*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*153.11*	
		For Stainless Steel, Add	*796.15*	
23 37 13 43-0045	EA	24" x 14" Steel Security Grille	783.62	59.07
		For Anchoring Tabs, Add	*66.55*	
		For Rear Operated Opposed Blade Damper, Add	*244.74*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*166.38*	
		For Stainless Steel, Add	*865.18*	
23 37 13 43-0046	EA	24" x 16" Steel Security Grille	855.05	61.15
		For Anchoring Tabs, Add	*73.28*	
		For Rear Operated Opposed Blade Damper, Add	*268.70*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*183.20*	
		For Stainless Steel, Add	*952.61*	
23 37 13 43-0047	EA	24" x 18" Steel Security Grille	937.10	63.23
		For Anchoring Tabs, Add	*81.07*	
		For Rear Operated Opposed Blade Damper, Add	*296.38*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*202.67*	
		For Stainless Steel, Add	*1,053.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0048	EA	24" x 20" Steel Security Grille	994.36	65.31
		For Anchoring Tabs, Add	*86.38*	
		For Rear Operated Opposed Blade Damper, Add	*315.38*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*215.94*	
		For Stainless Steel, Add	*1,122.89*	
23 37 13 43-0049	EA	24" x 24" Steel Security Grille	1,115.97	69.49
		For Anchoring Tabs, Add	*97.70*	
		For Rear Operated Opposed Blade Damper, Add	*355.86*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*244.26*	
		For Stainless Steel, Add	*1,270.15*	

23 37 23 HVAC Gravity Ventilators *(23 37)*

23 37 23 13 HVAC Gravity Dome Ventilators *(23 37 23)*

23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood *(23 37 23 13)*

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,354.60	80.47
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,429.34	92.12
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,787.32	114.59
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,903.82	121.95
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,223.02	141.93
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,598.33	91.57
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,756.84	103.23
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,043.30	110.99
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,217.34	134.52
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,557.57	144.29
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,897.54	153.16
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,911.95	104.47
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,178.77	119.04
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,445.60	133.61
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,756.77	150.67
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,112.57	170.10
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,312.07	126.39
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,401.05	131.24
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,667.85	145.81
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,023.52	165.24
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,379.19	184.66
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,868.32	211.44
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,298.62	124.58
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,674.69	144.99
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,050.91	165.38
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,468.81	187.99
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,844.91	208.38
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,411.66	138.19
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,727.87	156.36
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,044.20	174.39
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,518.66	201.58
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,874.42	221.99
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,037.85	185.77
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,371.23	206.17
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,852.89	235.58
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,223.34	258.19
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,630.86	283.17
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,657.21	211.44
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,029.71	232.94
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,436.17	256.39
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,842.50	279.97
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,892.21	340.60
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,298.68	364.05
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,214.29	262.36
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,623.07	287.75
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,535.10	344.49
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,164.04	383.61
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,541.53	407.20
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,044.67	438.42
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,925.30	493.21
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,031.40	293.71
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,246.80	364.61
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,123.12	415.80
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,377.44	430.64
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,225.44	480.04
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,045.13	527.90
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,636.65	423.98
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,179.05	458.67
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,721.31	493.36
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,573.48	547.74
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,082.53	554.95
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,706.27	477.95
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,644.18	536.09
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,379.38	581.73
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,987.65	619.47
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,605.47	595.05
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,085.51	634.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,811.00	683.01
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,073.62	686.21
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,779.92	802.46
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	12,160.29	739.90

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 13 Listed Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 13-0001 Universal Ventless Hood *(23 38 13 13)*

23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	54,443.70	550.49

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 16-0001 Commercial Kitchen Hood Ventilation System *(23 38 13 16)*
Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods *(23 38 13 16-0001)*
Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	12,972.59	1,032.81
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,514.11	1,097.37
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	15,072.72	1,161.92
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,529.73	1,226.47
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	16,086.20	1,291.02
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	16,674.31	1,355.57
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	17,231.54	1,420.12
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,805.83	1,484.67
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	18,444.84	1,549.23
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	18,998.83	1,613.78
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	19,457.11	1,678.33
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	20,229.80	1,742.88
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	22,637.65	1,807.43
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	23,247.55	1,871.98
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	24,076.49	1,936.53
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood	24,700.16	2,001.09
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	25,633.06	2,065.64

23 38 13 16-0020 Dry Extractor Exhaust Hoods *(23 38 13 16-0001)*
Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	18,163.97	1,032.81
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	18,738.35	1,097.37
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	20,395.52	1,161.92
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	20,983.97	1,226.47
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	21,573.29	1,291.02
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	22,128.54	1,355.57
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	22,718.63	1,420.12
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	23,276.49	1,484.67
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	23,800.51	1,549.23
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	24,551.64	1,613.78
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	25,420.62	1,678.33
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	26,341.17	1,742.88
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	28,272.59	1,807.43
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	29,211.07	1,871.98
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood	31,042.14	1,936.53
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	32,897.93	2,001.09
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	34,734.40	2,065.64

23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods *(23 38 13 16-0001)*
Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,478.24	1,032.81
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	20,085.48	1,097.37
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,775.51	1,161.92
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,380.38	1,226.47
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,018.99	1,291.02
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,607.10	1,355.57
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,213.61	1,420.12
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,820.77	1,484.67
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,361.21	1,549.23
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,178.05	1,613.78
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	27,112.75	1,678.33
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	28,099.01	1,742.88
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	30,096.15	1,807.43
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	31,100.33	1,871.98
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	33,112.12	1,936.53
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	34,113.64	2,001.09
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	35,112.25	2,065.64
23 38 13 16-0056	EA	Fan Wash Control Panel Note: Includes time clock and backflow preventer.	13,974.06	516.41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0057		Utility Distribution System (UDS) *(23 38 13 16-0001)* Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS)	37,054.52	525.19
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS)	38,148.04	537.97
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS)	39,229.64	550.49
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS)	40,321.45	568.05
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS)	41,405.97	582.00
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS)	42,480.41	596.71
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS)	43,568.87	606.91
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS)	44,657.39	622.92
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS)	45,759.28	645.52
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS)	46,877.34	676.23
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS)	47,973.69	696.12
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS)	49,087.11	724.52
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS)	50,189.44	747.37
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS)	51,294.77	771.78
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS)	52,403.39	797.85
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS)	53,515.62	825.61
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS)	54,611.53	845.36
23 38 13 16-0075		Stainless Steel Exhaust Hood Material *(23 38 13 16)* Note: Welded seams.		
23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	53.14	17.69
		For Type 316 Stainless Steel, Add	*1.65*	
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	66.43	23.58
		For Type 316 Stainless Steel, Add	*2.06*	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	92.27	31.84
		For Type 316 Stainless Steel, Add	*2.88*	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	115.61	38.91
		For Type 316 Stainless Steel, Add	*3.70*	
23 38 13 16-0080		Kitchen Exhaust Hood *(23 38 13 16)*		
23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048) Note: Ductwork connections by others.	11,379.59	2,559.50
		For Type 316 Stainless Steel, Add	*626.06*	
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848) Note: Ductwork connections by others.	10,355.79	2,047.60
		For Type 316 Stainless Steel, Add	*626.06*	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448) Note: Ductwork connections by others.	5,614.94	1,023.80
		For Type 316 Stainless Steel, Add	*356.73*	
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648) Note: Ductwork connections by others.	7,250.08	1,535.70
		For Type 316 Stainless Steel, Add	*417.87*	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548) Note: Ductwork connections by others.	6,523.39	1,279.75
		For Type 316 Stainless Steel, Add	*396.39*	

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001		Disposable Air Filters *(23 41 13)*		
23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	14.58	
23 41 13 00-0003		Disposable Fiberglass Air Filters *(23 41 13)*		
23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.68	6.67
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.68	6.67
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.38	6.67
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.32	6.98
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.32	6.98
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.32	6.98
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.32	6.98
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.56	6.98
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.12	7.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.10	7.29
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.42	7.29
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.42	7.29
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.42	7.29
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.06	7.29
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.07	7.29
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.27	7.71
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.79	7.71
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.30	7.71
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.27	7.71
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.30	7.71
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.18	7.71
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.49	7.93
23 41 13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.49	7.93
23 41 13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.89	7.93
23 41 13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.66	8.03
23 41 13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.30	8.03
23 41 13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.71	8.03
23 41 13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.68	8.03
23 41 13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.08	8.03
23 41 13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.04	8.03
23 41 13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	23.70	8.03
23 41 13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	23.41	8.03
23 41 13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.09	8.34
23 41 13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.71	8.34
23 41 13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.09	8.34
23 41 13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.37	8.34
23 41 13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.22	8.34
23 41 13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.34	8.34
23 41 13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.01	8.76
23 41 13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.05	8.76
23 41 13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.38	8.76
23 41 13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.60	8.76
23 41 13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.18	8.76
23 41 13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	24.68	8.76
23 41 13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.31	8.76
23 41 13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.36	8.86
23 41 13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.51	8.96
23 41 13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.65	9.07
23 41 13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.30	9.07
23 41 13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	26.87	9.07
23 41 13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.79	9.17
23 41 13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	27.40	9.17
23 41 13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.31	6.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.22	6.98
23 41 13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.67	7.29
23 41 13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.23	7.71
23 41 13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.23	7.71
23 41 13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.61	7.93
23 41 13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.52	8.03
23 41 13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.35	8.03
23 41 13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.75	8.03
23 41 13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.87	8.34
23 41 13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.55	8.76
23 41 13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.27	8.76
23 41 13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.27	8.76
23 41 13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.97	9.07
23 41 13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.11	9.17

23 41 13 00-0071 Disposable Pleated Air Filters *(23 41 13)*

23 41 13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	15.43	6.98
23 41 13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.66	6.98
23 41 13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.36	6.98
23 41 13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	19.75	7.29
23 41 13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.40	7.29
23 41 13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	18.19	7.29
23 41 13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.19	7.29
23 41 13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.78	7.29
23 41 13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	22.31	7.71
23 41 13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.96	7.71
23 41 13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	24.02	7.71
23 41 13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.58	7.71
23 41 13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.81	7.71
23 41 13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.36	7.93
23 41 13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	22.72	8.03
23 41 13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.09	8.03
23 41 13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.14	8.03
23 41 13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.78	8.03
23 41 13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.22	8.03
23 41 13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	30.16	8.34
23 41 13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	22.51	8.34
23 41 13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.13	8.34
23 41 13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	21.87	8.34
23 41 13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	30.34	8.34
23 41 13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	20.87	8.76
23 41 13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.26	8.76
23 41 13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	22.02	8.76
23 41 13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	24.79	8.76
23 41 13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	29.98	8.96
23 41 13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.67	9.07
23 41 13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	36.79	9.07
23 41 13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	25.02	9.17
23 41 13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.12	6.98
23 41 13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	23.50	7.29
23 41 13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.99	7.29
23 41 13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	18.71	7.29
23 41 13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.79	7.71
23 41 13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	20.63	7.71
23 41 13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.06	7.93
23 41 13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	25.06	8.03
23 41 13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.68	8.03
23 41 13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.35	8.03
23 41 13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	20.76	8.03
23 41 13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	28.84	8.34
23 41 13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	24.71	8.34
23 41 13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.51	8.34
23 41 13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	23.35	8.34
23 41 13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	21.95	8.76
23 41 13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	23.47	8.76
23 41 13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	23.21	8.76
23 41 13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	33.17	8.76
23 41 13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	24.85	9.07
23 41 13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	27.39	9.17
23 41 13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	28.36	7.29
23 41 13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	30.66	8.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	32.73	8.03
23 41 13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	35.27	8.34
23 41 13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	33.60	8.76
23 41 13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	36.50	8.76
23 41 13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	36.77	8.76
23 41 13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	40.09	9.07
23 41 13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.83	6.98
23 41 13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.83	6.98
23 41 13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	33.32	6.98
23 41 13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	27.37	7.29
23 41 13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.69	7.29
23 41 13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	26.58	7.29
23 41 13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.75	7.29
23 41 13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	31.05	7.71
23 41 13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	27.42	7.71
23 41 13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	35.22	7.71
23 41 13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	34.47	7.71
23 41 13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	40.35	7.71
23 41 13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.36	7.93
23 41 13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	37.08	8.03
23 41 13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.68	8.03
23 41 13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	31.63	8.03
23 41 13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	29.12	8.03
23 41 13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.24	8.03
23 41 13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	39.13	8.34
23 41 13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	33.31	8.34
23 41 13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.10	8.34
23 41 13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.04	8.34
23 41 13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	44.13	8.34
23 41 13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	30.28	8.76
23 41 13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	33.15	8.76
23 41 13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	33.46	8.76
23 41 13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.81	8.76
23 41 13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	42.89	8.96
23 41 13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	36.27	9.07
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	46.76	9.07
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	40.72	9.17
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.27	6.98
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	27.66	7.29
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.33	7.29
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	30.80	7.29
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.73	7.71
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	29.02	7.71
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	28.48	7.93
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	37.83	8.03
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	33.04	8.03
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	32.23	8.03
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	36.39	8.03
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	43.50	8.34
23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	34.67	8.34
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.45	8.34
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	34.29	8.34
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	37.99	8.76
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	40.65	8.76
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	41.04	8.76
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	41.06	9.07
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	41.59	9.17
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	49.60	7.29
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	50.86	8.03
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	60.40	8.03
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	60.35	8.34
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	60.18	8.76
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	66.17	8.76
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	66.17	8.76
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	73.77	9.07
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	6.67
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	6.67
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	6.67
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.12	6.98
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.72	6.98
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.12	6.98
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.12	6.98
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.12	6.98
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.14	7.29
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.54	7.29
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.14	7.29
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.14	7.29
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.54	7.29
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.54	7.29
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.94	7.29
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	7.71
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.10	7.71
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	7.71
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	7.71
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	7.71

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.10	7.71
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.97	7.93
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.37	7.93
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.37	7.93
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.11	8.03
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.51	8.03
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.11	8.03
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.11	8.03
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.11	8.03
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.51	8.03
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.51	8.03
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.07	8.03
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.52	8.34
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.32	8.34
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.52	8.34
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.32	8.34
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.32	8.34
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.48	8.34
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.89	8.76
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.09	8.76
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.09	8.76
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.09	8.76
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.49	8.76
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	40.05	8.76
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	40.05	8.76
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.03	8.86
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.76	8.96
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.71	9.07
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.71	9.07
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	43.26	9.07
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.85	9.17
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	43.40	9.17
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	43.68	9.38

23 41 13 00-0245 Carbon Vapor Trap, Disposable V-Bank Filter *(23 41 13)*

23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	974.21	20.85

23 41 13 00-0247 Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*

23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	72.91	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	70.42	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	3.04	

23 41 16 Renewable-Media Air Filters *(23 41)*

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*

23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	125.46	

23 41 19 Washable Air Filters *(23 41)*

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*

23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	47.91	

23 41 33 High-Efficiency Particulate Filtration *(23 41)*

23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters *(23 41 33)*

Note: Includes particleboard and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.

23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)*

23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	133.93	19.45
		For Removal And Replacement In Existing Equipment, Add	*3.89*	
		For >10 To 25, Deduct	*-3.35*	
		For >25 To 50, Deduct	*-6.70*	
		For >50 To 100, Deduct	*-10.04*	
		For >100, Deduct	*-13.39*	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	177.10	22.24
		For Removal And Replacement In Existing Equipment, Add	*4.45*	
		For >10 To 25, Deduct	*-4.43*	
		For >25 To 50, Deduct	*-8.86*	
		For >50 To 100, Deduct	*-13.28*	
		For >100, Deduct	*-17.71*	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	207.19	25.71
		For Removal And Replacement In Existing Equipment, Add	*5.14*	
		For >10 To 25, Deduct	*-5.18*	
		For >25 To 50, Deduct	*-10.36*	
		For >50 To 100, Deduct	*-15.54*	
		For >100, Deduct	*-20.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	237.30	29.19
		For Removal And Replacement In Existing Equipment, Add	*5.84*	
		For >10 To 25, Deduct	*-5.93*	
		For >25 To 50, Deduct	*-11.87*	
		For >50 To 100, Deduct	*-17.80*	
		For >100, Deduct	*-23.73*	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	162.41	20.85
		For Removal And Replacement In Existing Equipment, Add	*4.17*	
		For >10 To 25, Deduct	*-4.06*	
		For >25 To 50, Deduct	*-8.12*	
		For >50 To 100, Deduct	*-12.18*	
		For >100, Deduct	*-16.24*	
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	217.13	24.32
		For Removal And Replacement In Existing Equipment, Add	*4.86*	
		For >10 To 25, Deduct	*-5.43*	
		For >25 To 50, Deduct	*-10.86*	
		For >50 To 100, Deduct	*-16.28*	
		For >100, Deduct	*-21.71*	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	259.20	27.80
		For Removal And Replacement In Existing Equipment, Add	*5.56*	
		For >10 To 25, Deduct	*-6.48*	
		For >25 To 50, Deduct	*-12.96*	
		For >50 To 100, Deduct	*-19.44*	
		For >100, Deduct	*-25.92*	
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	308.21	34.74
		For Removal And Replacement In Existing Equipment, Add	*6.95*	
		For >10 To 25, Deduct	*-7.71*	
		For >25 To 50, Deduct	*-15.41*	
		For >50 To 100, Deduct	*-23.12*	
		For >100, Deduct	*-30.82*	
23 41 33 00-0011		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% *(23 41 33 00-0001)*		
23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	114.92	17.37
		For Removal And Replacement In Existing Equipment, Add	*3.47*	
		For >10 To 25, Deduct	*-2.87*	
		For >25 To 50, Deduct	*-5.75*	
		For >50 To 100, Deduct	*-8.62*	
		For >100, Deduct	*-11.49*	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	158.21	20.85
		For Removal And Replacement In Existing Equipment, Add	*4.17*	
		For >10 To 25, Deduct	*-3.96*	
		For >25 To 50, Deduct	*-7.91*	
		For >50 To 100, Deduct	*-11.87*	
		For >100, Deduct	*-15.82*	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	240.09	24.32
		For Removal And Replacement In Existing Equipment, Add	*4.86*	
		For >10 To 25, Deduct	*-6.00*	
		For >25 To 50, Deduct	*-12.00*	
		For >50 To 100, Deduct	*-18.01*	
		For >100, Deduct	*-24.01*	
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	307.76	27.80
		For Removal And Replacement In Existing Equipment, Add	*5.56*	
		For >10 To 25, Deduct	*-7.69*	
		For >25 To 50, Deduct	*-15.39*	
		For >50 To 100, Deduct	*-23.08*	
		For >100, Deduct	*-30.78*	
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	107.91	13.90
		For Removal And Replacement In Existing Equipment, Add	*2.78*	
		For >10 To 25, Deduct	*-2.70*	
		For >25 To 50, Deduct	*-5.40*	
		For >50 To 100, Deduct	*-8.09*	
		For >100, Deduct	*-10.79*	
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	143.10	18.76
		For Removal And Replacement In Existing Equipment, Add	*3.75*	
		For >10 To 25, Deduct	*-3.58*	
		For >25 To 50, Deduct	*-7.16*	
		For >50 To 100, Deduct	*-10.73*	
		For >100, Deduct	*-14.31*	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	191.83	22.24
		For Removal And Replacement In Existing Equipment, Add	*4.45*	
		For >10 To 25, Deduct	*-4.80*	
		For >25 To 50, Deduct	*-9.59*	
		For >50 To 100, Deduct	*-14.39*	
		For >100, Deduct	*-19.18*	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	225.20	26.06
		For Removal And Replacement In Existing Equipment, Add	*5.21*	
		For >10 To 25, Deduct	*-5.63*	
		For >25 To 50, Deduct	*-11.26*	
		For >50 To 100, Deduct	*-16.89*	
		For >100, Deduct	*-22.52*	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	257.18	29.19
		For Removal And Replacement In Existing Equipment, Add	*5.84*	
		For >10 To 25, Deduct	*-6.43*	
		For >25 To 50, Deduct	*-12.86*	
		For >50 To 100, Deduct	*-19.29*	
		For >100, Deduct	*-25.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	175.82	20.85
		For Removal And Replacement In Existing Equipment, Add	*4.17*	
		For >10 To 25, Deduct	*-4.40*	
		For >25 To 50, Deduct	*-8.79*	
		For >50 To 100, Deduct	*-13.19*	
		For >100, Deduct	*-17.58*	
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	235.86	24.32
		For Removal And Replacement In Existing Equipment, Add	*4.86*	
		For >10 To 25, Deduct	*-5.90*	
		For >25 To 50, Deduct	*-11.79*	
		For >50 To 100, Deduct	*-17.69*	
		For >100, Deduct	*-23.59*	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	281.82	27.80
		For Removal And Replacement In Existing Equipment, Add	*5.56*	
		For >10 To 25, Deduct	*-7.05*	
		For >25 To 50, Deduct	*-14.09*	
		For >50 To 100, Deduct	*-21.14*	
		For >100, Deduct	*-28.18*	
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	347.35	34.74
		For Removal And Replacement In Existing Equipment, Add	*6.95*	
		For >10 To 25, Deduct	*-8.68*	
		For >25 To 50, Deduct	*-17.37*	
		For >50 To 100, Deduct	*-26.05*	
		For >100, Deduct	*-34.74*	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	342.17	103.66
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	641.60	206.04
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	650.76	206.04
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	656.86	206.04
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	699.61	206.04
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	753.05	206.04
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,246.54	413.36
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,376.32	413.36
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,541.21	413.36
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	368.13	103.66
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	685.87	206.04
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	696.56	206.04
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	704.19	206.04
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	754.58	206.04
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	821.76	206.04
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,353.41	413.36
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,515.25	413.36
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,719.85	413.36

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	314.28	134.37
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	357.00	134.37

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency *(23 41 33)*

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	309.37	134.37
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	340.89	134.37

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.28	10.42
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.81	10.42
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.13	10.42
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.13	10.42
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	53.14	10.42
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	59.72	10.42
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.78	11.82
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.23	11.82
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.61	11.82
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.61	11.82
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	66.04	11.82
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	78.38	11.82
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	29.95	10.42
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	31.86	10.42
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	31.93	10.42
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	34.42	10.42
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	36.64	10.42
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	34.64	11.82
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	37.96	11.82
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	38.67	11.82
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	42.78	11.82
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	45.40	11.82
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	73.89	12.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 43 Electronic Air Cleaners *(23 40)*

23 43 23 Self-Contained Electronic Air Cleaners *(23 43)*

23 43 23 00-0001 Stationary Floor, Room Air Purifier *(23 43 23)*

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,164.22	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,620.68	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	4,098.58	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	918.08	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,651.67	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,542.27	

23 43 23 00-0008 Surface Mounted, Room Air Purifier *(23 43 23)*

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	3,002.91	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,182.28	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,783.09	

23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier *(23 43 23)*

23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,877.89	

23 43 23 00-0014 Duct Mounted, Ionization System *(23 43 23)*

23 43 23 00-0015	EA	Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC)	12,364.16	555.88
23 43 23 00-0016	EA	Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC)	16,784.41	694.85

23 43 33 Self-Contained Electronic Ultraviolet Germicidal Cleaners *(23 43)*

23 43 33 00-0001 Suspension Ceiling Troffer Mounted, Ultraviolet Germicidal Air Purifier *(23 43 33)*

23 43 33 00-0002	EA	2' x 2', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X2) Note: 6,300 cu ft/hour air cleaning	4,251.94	
23 43 33 00-0003	EA	2' x 2', Troffer Mount UVC Air Purifier With 1900 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X2) Note: 6,300 cu ft/hour air cleaning	7,342.25	
23 43 33 00-0004	EA	2' x 4', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X4) Note: 12,600 cu ft/hour air cleaning	8,264.76	
23 43 33 00-0005	EA	2' x 4', Troffer Mount UVC Air Purifier With 3800 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X4) Note: 12,600 cu ft/hour air cleaning	9,242.15	
23 43 33 00-0006	EA	Replace 8"x8" MERV 16, HEPA Filter In Troffer Mount UVC Air Purifier(ELEDLIGHTS UVFILTERM8X8M16)	1,027.65	

23 43 33 00-0007 Surface Mounted, Ultraviolet Germicidal Air Purifier *(23 43 33)*

23 43 33 00-0008	EA	Surface (Wall Or Ceiling) Mounted, Germicidal UV Active Circulation Air Cleaner (ELEDLIGHTS GUV-AC) Note: 1060 cu ft/hour air cleaning	3,580.87	

23 43 33 00-0009 Wall Mounted, Ultraviolet Germicidal Air Purifier *(23 43 33)*

23 43 33 00-0010	EA	Wall Mounted, Upper Room Germicidal UV Disinfection (ELEDLIGHTS URUVGI-NZ)	1,832.81	

23 43 33 00-0011 Wall Mounted, Ultraviolet Germicidal Fixture (UV Resources) *(23 43 33)*

23 43 33 00-0012	EA	14-1/4", 8 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 150 - 41824001)	1,055.91	79.09
23 43 33 00-0013	EA	23-1/4", 25 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 225 - 41824000)	1,111.24	90.76
23 43 33 00-0014	EA	35", 36 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 310 - 41824002)	1,625.47	98.54

23 43 33 00-0015 Wall Mounted, Ultraviolet Germicidal Fixtures And Accessories (Fresh-Aire UV) *(23 43 33)*

23 43 33 00-0016	EA	32" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232S-TFHO)	725.78	95.62
23 43 33 00-0017	EA	32" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232D-TFHO)	975.89	95.62
23 43 33 00-0018	EA	46" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246S-TFHO)	789.48	101.26
23 43 33 00-0019	EA	46" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246D-TFHO)	1,096.57	101.26
23 43 33 00-0020	EA	60" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260S-TFHO)	860.68	106.97
23 43 33 00-0021	EA	60" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260D-TFHO)	1,411.55	106.97
23 43 33 00-0022	EA	32" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232S-HO)	684.62	95.62
23 43 33 00-0023	EA	32" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232D-HO)	895.68	95.62
23 43 33 00-0024	EA	46" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246S-HO)	732.49	101.26
23 43 33 00-0025	EA	46" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246D-HO)	982.60	101.26
23 43 33 00-0026	EA	60" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260S-HO)	746.71	106.97
23 43 33 00-0027	EA	60" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260D-HO)	1,184.66	106.97
23 43 33 00-0028	EA	5' (1.5m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL5)	32.18	
23 43 33 00-0029	EA	10' (3m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL10)	40.63	
23 43 33 00-0030	EA	5" Stainless Steel Coil Mount Bracket (Fresh-Aire UV TUVC-CMBRKT-SS5)	45.68	
23 43 33 00-0031	EA	18" (45cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-18)	58.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 43 33 00-0032	EA	24" (60cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-24)	66.19	
23 43 33 00-0033	EA	32" (81cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-32)	74.63	
23 43 33 00-0034	EA	46" (117cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-46)	78.85	
23 43 33 00-0035	EA	60" (152cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-60)	82.02	
23 43 33 00-0036	EA	110-277 VAC, Door Interlock Safety Switch Kit (Fresh-Aire UV TUVC-INTLCK-SP)	246.65	
23 43 33 00-0037	EA	15" (38cm) Odor Control, UVC/UVV Lamp (Fresh-Aire UV TUVL-115P-OS-50) Note: 1 Year Warranty	181.10	63.60
23 43 33 00-0038	EA	18" (45cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-218HO) Note: 2 Year Warranty	219.74	66.78
23 43 33 00-0039	EA	24" (60cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-224HO) Note: 2 Year Warranty	235.79	73.90
23 43 33 00-0040	EA	32" (81cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-132) Note: 1 Year Warranty	214.34	78.76
23 43 33 00-0041	EA	32" (81cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232TF) Note: 1 Year Warranty	261.83	78.76
23 43 33 00-0042	EA	32" (81cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO) Note: 1 Year Warranty	249.17	78.76
23 43 33 00-0043	EA	32" (81cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO-TF) Note: 1 Year Warranty	288.21	78.76
23 43 33 00-0044	EA	46" (117cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-146) Note: 1 Year Warranty	250.11	83.95
23 43 33 00-0045	EA	46" (117cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246TF) Note: 2 Year Warranty	304.99	83.95
23 43 33 00-0046	EA	46" (117cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO) Note: 2 Year Warranty	277.55	83.95
23 43 33 00-0047	EA	46" (117cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO-TF) Note: 2 Year Warranty	334.54	83.95
23 43 33 00-0048	EA	60" (152cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-160) Note: 1 Year Warranty	320.87	84.60
23 43 33 00-0049	EA	60" (152cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260TF) Note: 2 Year Warranty	397.91	84.60
23 43 33 00-0050	EA	60" (152cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO) Note: 2 Year Warranty	348.31	84.60
23 43 33 00-0051	EA	60" (152cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO-TF) Note: 1 Year Warranty	462.28	84.60

23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*
Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	3,970.23	281.55
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	4,502.39	307.14
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	5,408.06	339.13
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	7,073.59	393.52

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,776.39	307.14
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,829.07	339.13
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	7,574.40	396.72
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	8,973.09	444.71

23 51 13 13-0012 Accessories For Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	552.71	95.98

23 51 13 16 Vent Dampers *(23 51 13)*

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade *(23 51 13 16)*

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	1,100.93	56.82
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	1,207.69	60.28
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	1,334.03	63.99
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	1,425.29	68.24
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	1,556.52	73.10
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	1,653.22	78.70
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	1,828.28	85.34
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	2,007.77	93.06
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	2,249.37	97.58
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	2,417.12	102.38
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	2,642.03	107.50
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	3,115.70	170.21
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	3,418.25	180.77
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	3,704.97	191.97
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	3,767.35	198.37
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	3,885.96	204.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	3,992.98	217.56
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	4,167.55	223.81
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	4,348.32	236.61
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	4,555.49	255.95
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	4,786.86	264.74
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	5,001.06	268.75
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	5,246.78	281.55
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	5,493.92	294.34
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	5,741.77	307.14
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	5,988.56	319.94

23 51 13 19 Barometric Dampers *(23 51 13)*

23 51 13 19-0001 Barometric Dampers *(23 51 13 19)*

23 51 13 19-0002	EA	6" x 6" Barometric Damper	509.24	11.10
23 51 13 19-0003	EA	12" x 12" Barometric Damper	736.72	15.26
23 51 13 19-0004	EA	18" x 18" Barometric Damper	987.28	23.58
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,181.23	44.40
23 51 13 19-0006	EA	6" Diameter Barometric Damper	249.97	11.10
		For Stainless Steel, Add	*268.98*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	295.77	12.48
		For Stainless Steel, Add	*319.57*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	343.16	13.87
		For Stainless Steel, Add	*370.60*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	422.17	13.87
		For Stainless Steel, Add	*469.47*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	556.03	16.65
		For Stainless Steel, Add	*639.60*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	705.90	18.04
		For Stainless Steel, Add	*824.90*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	887.31	19.43
		For Stainless Steel, Add	*1,052.05*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	1,058.79	20.81
		For Stainless Steel, Add	*1,264.48*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,228.22	23.58
		For Stainless Steel, Add	*1,476.45*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,617.27	24.97
		For Stainless Steel, Add	*1,972.58*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	1,924.83	27.75
		For Stainless Steel, Add	*2,361.13*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,320.61	27.75
		For Stainless Steel, Add	*2,869.22*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	2,860.74	31.91
		For Stainless Steel, Add	*3,556.63*	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,648.98	33.30
		For Stainless Steel, Add	*4,572.82*	

23 51 16 Fabricated Breechings and Accessories *(23 51)*

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	35.74	11.39
		For Aluminum Liner, Add	*0.40*	
		For 304 Stainless Steel Liner, Add	*0.55*	
		For 2" Wall Instead Of 1", Add	*5.04*	
		For 3" To 4" Wall Instead Of 1", Add	*8.98*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	38.34	12.03
		For Aluminum Liner, Add	*0.49*	
		For 304 Stainless Steel Liner, Add	*0.67*	
		For 2" Wall Instead Of 1", Add	*5.63*	
		For 3" To 4" Wall Instead Of 1", Add	*9.91*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	42.31	12.80
		For Aluminum Liner, Add	*0.59*	
		For 304 Stainless Steel Liner, Add	*0.80*	
		For 2" Wall Instead Of 1", Add	*6.36*	
		For 3" To 4" Wall Instead Of 1", Add	*11.12*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	46.11	13.70
		For Aluminum Liner, Add	*0.68*	
		For 304 Stainless Steel Liner, Add	*0.93*	
		For 2" Wall Instead Of 1", Add	*7.09*	
		For 3" To 4" Wall Instead Of 1", Add	*12.31*	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	54.00	14.59
		For Aluminum Liner, Add	*1.00*	
		For 304 Stainless Steel Liner, Add	*1.37*	
		For 2" Wall Instead Of 1", Add	*9.05*	
		For 3" To 4" Wall Instead Of 1", Add	*15.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	60.02	15.74
		For Aluminum Liner, Add	*1.12*	
		For 304 Stainless Steel Liner, Add	*1.52*	
		For 2" Wall Instead Of 1", Add	*10.06*	
		For 3" To 4" Wall Instead Of 1", Add	*17.08*	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	85.82	16.90
		For Aluminum Liner, Add	*2.36*	
		For 304 Stainless Steel Liner, Add	*3.21*	
		For 2" Wall Instead Of 1", Add	*17.15*	
		For 3" To 4" Wall Instead Of 1", Add	*27.88*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	104.08	18.69
		For Aluminum Liner, Add	*3.16*	
		For 304 Stainless Steel Liner, Add	*4.31*	
		For 2" Wall Instead Of 1", Add	*21.91*	
		For 3" To 4" Wall Instead Of 1", Add	*35.19*	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	145.32	19.45
		For Aluminum Liner, Add	*5.31*	
		For 304 Stainless Steel Liner, Add	*7.24*	
		For 2" Wall Instead Of 1", Add	*33.84*	
		For 3" To 4" Wall Instead Of 1", Add	*53.20*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	181.15	20.48
		For Aluminum Liner, Add	*7.16*	
		For 304 Stainless Steel Liner, Add	*9.76*	
		For 2" Wall Instead Of 1", Add	*44.15*	
		For 3" To 4" Wall Instead Of 1", Add	*68.78*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	222.48	21.50
		For Aluminum Liner, Add	*9.25*	
		For 304 Stainless Steel Liner, Add	*12.61*	
		For 2" Wall Instead Of 1", Add	*55.88*	
		For 3" To 4" Wall Instead Of 1", Add	*86.54*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	283.94	34.16
		For Aluminum Liner, Add	*10.98*	
		For 304 Stainless Steel Liner, Add	*14.97*	
		For 2" Wall Instead Of 1", Add	*68.32*	
		For 3" To 4" Wall Instead Of 1", Add	*106.70*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	342.78	36.09
		For Aluminum Liner, Add	*13.84*	
		For 304 Stainless Steel Liner, Add	*18.88*	
		For 2" Wall Instead Of 1", Add	*84.62*	
		For 3" To 4" Wall Instead Of 1", Add	*131.48*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	407.05	38.39
		For Aluminum Liner, Add	*17.07*	
		For 304 Stainless Steel Liner, Add	*23.27*	
		For 2" Wall Instead Of 1", Add	*102.76*	
		For 3" To 4" Wall Instead Of 1", Add	*158.98*	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	472.27	39.67
		For Aluminum Liner, Add	*20.53*	
		For 304 Stainless Steel Liner, Add	*27.99*	
		For 2" Wall Instead Of 1", Add	*121.87*	
		For 3" To 4" Wall Instead Of 1", Add	*187.76*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	495.09	40.95
		For Aluminum Liner, Add	*21.60*	
		For 304 Stainless Steel Liner, Add	*29.46*	
		For 2" Wall Instead Of 1", Add	*128.06*	
		For 3" To 4" Wall Instead Of 1", Add	*197.21*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	526.19	43.90
		For Aluminum Liner, Add	*22.91*	
		For 304 Stainless Steel Liner, Add	*31.25*	
		For 2" Wall Instead Of 1", Add	*135.94*	
		For 3" To 4" Wall Instead Of 1", Add	*209.39*	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	595.36	45.56
		For Aluminum Liner, Add	*26.49*	
		For 304 Stainless Steel Liner, Add	*36.13*	
		For 2" Wall Instead Of 1", Add	*155.88*	
		For 3" To 4" Wall Instead Of 1", Add	*239.50*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	666.99	47.23
		For Aluminum Liner, Add	*30.19*	
		For 304 Stainless Steel Liner, Add	*41.17*	
		For 2" Wall Instead Of 1", Add	*176.50*	
		For 3" To 4" Wall Instead Of 1", Add	*270.64*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	702.08	49.14
		For Aluminum Liner, Add	*31.86*	
		For 304 Stainless Steel Liner, Add	*43.45*	
		For 2" Wall Instead Of 1", Add	*186.08*	
		For 3" To 4" Wall Instead Of 1", Add	*285.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	761.42	51.19
		For Aluminum Liner, Add	*34.85*	
		For 304 Stainless Steel Liner, Add	*47.52*	
		For 2" Wall Instead Of 1", Add	*202.86*	
		For 3" To 4" Wall Instead Of 1", Add	*310.68*	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	838.69	53.37
		For Aluminum Liner, Add	*38.79*	
		For 304 Stainless Steel Liner, Add	*52.89*	
		For 2" Wall Instead Of 1", Add	*224.91*	
		For 3" To 4" Wall Instead Of 1", Add	*344.04*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	877.41	55.80
		For Aluminum Liner, Add	*40.58*	
		For 304 Stainless Steel Liner, Add	*55.33*	
		For 2" Wall Instead Of 1", Add	*235.29*	
		For 3" To 4" Wall Instead Of 1", Add	*359.92*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	970.84	58.49
		For Aluminum Liner, Add	*45.35*	
		For 304 Stainless Steel Liner, Add	*61.84*	
		For 2" Wall Instead Of 1", Add	*261.99*	
		For 3" To 4" Wall Instead Of 1", Add	*400.31*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,054.09	61.43
		For Aluminum Liner, Add	*49.53*	
		For 304 Stainless Steel Liner, Add	*67.54*	
		For 2" Wall Instead Of 1", Add	*285.51*	
		For 3" To 4" Wall Instead Of 1", Add	*435.94*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,159.48	64.63
		For Aluminum Liner, Add	*54.90*	
		For 304 Stainless Steel Liner, Add	*74.86*	
		For 2" Wall Instead Of 1", Add	*315.58*	
		For 3" To 4" Wall Instead Of 1", Add	*481.43*	

23 51 16 00-0029 90 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	90.03	22.78
		For Aluminum Liner, Add	*1.85*	
		For 304 Stainless Steel Liner, Add	*2.52*	
		For 2" Wall Instead Of 1", Add	*15.73*	
		For 3" To 4" Wall Instead Of 1", Add	*26.41*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	99.69	24.06
		For Aluminum Liner, Add	*2.18*	
		For 304 Stainless Steel Liner, Add	*2.98*	
		For 2" Wall Instead Of 1", Add	*17.91*	
		For 3" To 4" Wall Instead Of 1", Add	*29.86*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	111.07	25.59
		For Aluminum Liner, Add	*2.61*	
		For 304 Stainless Steel Liner, Add	*3.55*	
		For 2" Wall Instead Of 1", Add	*20.58*	
		For 3" To 4" Wall Instead Of 1", Add	*34.06*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	122.76	27.26
		For Aluminum Liner, Add	*3.03*	
		For 304 Stainless Steel Liner, Add	*4.13*	
		For 2" Wall Instead Of 1", Add	*23.29*	
		For 3" To 4" Wall Instead Of 1", Add	*38.32*	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	146.18	29.18
		For Aluminum Liner, Add	*4.05*	
		For 304 Stainless Steel Liner, Add	*5.52*	
		For 2" Wall Instead Of 1", Add	*29.35*	
		For 3" To 4" Wall Instead Of 1", Add	*47.65*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	170.92	31.48
		For Aluminum Liner, Add	*5.07*	
		For 304 Stainless Steel Liner, Add	*6.92*	
		For 2" Wall Instead Of 1", Add	*35.54*	
		For 3" To 4" Wall Instead Of 1", Add	*57.24*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	297.68	34.16
		For Aluminum Liner, Add	*11.67*	
		For 304 Stainless Steel Liner, Add	*15.91*	
		For 2" Wall Instead Of 1", Add	*72.19*	
		For 3" To 4" Wall Instead Of 1", Add	*112.56*	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	360.47	37.24
		For Aluminum Liner, Add	*14.71*	
		For 304 Stainless Steel Liner, Add	*20.06*	
		For 2" Wall Instead Of 1", Add	*89.54*	
		For 3" To 4" Wall Instead Of 1", Add	*138.95*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	467.31	39.04
		For Aluminum Liner, Add	*20.34*	
		For 304 Stainless Steel Liner, Add	*27.74*	
		For 2" Wall Instead Of 1", Add	*120.69*	
		For 3" To 4" Wall Instead Of 1", Add	*185.91*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	574.35	40.95
		For Aluminum Liner, Add	*25.97*	
		For 304 Stainless Steel Liner, Add	*35.41*	
		For 2" Wall Instead Of 1", Add	*151.87*	
		For 3" To 4" Wall Instead Of 1", Add	*232.91*	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	742.34	43.13
		For Aluminum Liner, Add	*34.90*	
		For 304 Stainless Steel Liner, Add	*47.59*	
		For 2" Wall Instead Of 1", Add	*201.13*	
		For 3" To 4" Wall Instead Of 1", Add	*307.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,046.81	68.21
		For Aluminum Liner, Add	*48.18*	
		For 304 Stainless Steel Liner, Add	*65.71*	
		For 2" Wall Instead Of 1", Add	*279.90*	
		For 3" To 4" Wall Instead Of 1", Add	*428.38*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,379.62	72.30
		For Aluminum Liner, Add	*65.94*	
		For 304 Stainless Steel Liner, Add	*89.91*	
		For 2" Wall Instead Of 1", Add	*377.73*	
		For 3" To 4" Wall Instead Of 1", Add	*575.64*	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,557.01	76.78
		For Aluminum Liner, Add	*75.07*	
		For 304 Stainless Steel Liner, Add	*102.36*	
		For 2" Wall Instead Of 1", Add	*428.67*	
		For 3" To 4" Wall Instead Of 1", Add	*652.61*	

23 51 16 00-0044 45 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	76.19	22.78
		For Aluminum Liner, Add	*1.07*	
		For 304 Stainless Steel Liner, Add	*1.45*	
		For 2" Wall Instead Of 1", Add	*11.49*	
		For 3" To 4" Wall Instead Of 1", Add	*20.08*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	83.10	24.06
		For Aluminum Liner, Add	*1.26*	
		For 304 Stainless Steel Liner, Add	*1.71*	
		For 2" Wall Instead Of 1", Add	*12.87*	
		For 3" To 4" Wall Instead Of 1", Add	*22.33*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	90.86	25.59
		For Aluminum Liner, Add	*1.48*	
		For 304 Stainless Steel Liner, Add	*2.01*	
		For 2" Wall Instead Of 1", Add	*14.46*	
		For 3" To 4" Wall Instead Of 1", Add	*24.89*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	100.39	27.26
		For Aluminum Liner, Add	*1.77*	
		For 304 Stainless Steel Liner, Add	*2.41*	
		For 2" Wall Instead Of 1", Add	*16.47*	
		For 3" To 4" Wall Instead Of 1", Add	*28.12*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	119.21	29.18
		For Aluminum Liner, Add	*2.54*	
		For 304 Stainless Steel Liner, Add	*3.46*	
		For 2" Wall Instead Of 1", Add	*21.14*	
		For 3" To 4" Wall Instead Of 1", Add	*35.37*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	131.73	31.48
		For Aluminum Liner, Add	*2.92*	
		For 304 Stainless Steel Liner, Add	*3.98*	
		For 2" Wall Instead Of 1", Add	*23.78*	
		For 3" To 4" Wall Instead Of 1", Add	*39.60*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	217.91	34.16
		For Aluminum Liner, Add	*7.29*	
		For 304 Stainless Steel Liner, Add	*9.94*	
		For 2" Wall Instead Of 1", Add	*48.31*	
		For 3" To 4" Wall Instead Of 1", Add	*76.72*	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	260.20	37.24
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*59.45*	
		For 3" To 4" Wall Instead Of 1", Add	*93.83*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	332.70	39.04
		For Aluminum Liner, Add	*12.93*	
		For 304 Stainless Steel Liner, Add	*17.64*	
		For 2" Wall Instead Of 1", Add	*80.30*	
		For 3" To 4" Wall Instead Of 1", Add	*125.33*	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	397.44	40.95
		For Aluminum Liner, Add	*16.23*	
		For 304 Stainless Steel Liner, Add	*22.13*	
		For 2" Wall Instead Of 1", Add	*98.76*	
		For 3" To 4" Wall Instead Of 1", Add	*153.26*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	504.31	43.13
		For Aluminum Liner, Add	*21.81*	
		For 304 Stainless Steel Liner, Add	*29.74*	
		For 2" Wall Instead Of 1", Add	*129.74*	
		For 3" To 4" Wall Instead Of 1", Add	*200.00*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	617.45	68.09
		For Aluminum Liner, Add	*24.60*	
		For 304 Stainless Steel Liner, Add	*33.55*	
		For 2" Wall Instead Of 1", Add	*151.20*	
		For 3" To 4" Wall Instead Of 1", Add	*235.31*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	853.96	72.30
		For Aluminum Liner, Add	*37.03*	
		For 304 Stainless Steel Liner, Add	*50.49*	
		For 2" Wall Instead Of 1", Add	*220.04*	
		For 3" To 4" Wall Instead Of 1", Add	*339.09*	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,044.87	76.78
		For Aluminum Liner, Add	*46.92*	
		For 304 Stainless Steel Liner, Add	*63.98*	
		For 2" Wall Instead Of 1", Add	*275.09*	
		For 3" To 4" Wall Instead Of 1", Add	*422.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,881.25	79.35
		For Aluminum Liner, Add	*92.57*	
		For 304 Stainless Steel Liner, Add	*126.23*	
		For 2" Wall Instead Of 1", Add	*524.73*	
		For 3" To 4" Wall Instead Of 1", Add	*797.00*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,933.75	81.90
		For Aluminum Liner, Add	*95.10*	
		For 304 Stainless Steel Liner, Add	*129.68*	
		For 2" Wall Instead Of 1", Add	*539.20*	
		For 3" To 4" Wall Instead Of 1", Add	*819.03*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,038.77	87.03
		For Aluminum Liner, Add	*100.17*	
		For 304 Stainless Steel Liner, Add	*136.60*	
		For 2" Wall Instead Of 1", Add	*568.15*	
		For 3" To 4" Wall Instead Of 1", Add	*863.09*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,275.70	89.58
		For Aluminum Liner, Add	*112.85*	
		For 304 Stainless Steel Liner, Add	*153.89*	
		For 2" Wall Instead Of 1", Add	*637.95*	
		For 3" To 4" Wall Instead Of 1", Add	*968.11*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,484.47	94.70
		For Aluminum Liner, Add	*123.63*	
		For 304 Stainless Steel Liner, Add	*168.59*	
		For 2" Wall Instead Of 1", Add	*698.02*	
		For 3" To 4" Wall Instead Of 1", Add	*1,058.86*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,561.29	102.38
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*717.23*	
		For 3" To 4" Wall Instead Of 1", Add	*1,088.63*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,743.15	105.97
		For Aluminum Liner, Add	*136.31*	
		For 304 Stainless Steel Liner, Add	*185.88*	
		For 2" Wall Instead Of 1", Add	*770.00*	
		For 3" To 4" Wall Instead Of 1", Add	*1,168.23*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,919.91	107.50
		For Aluminum Liner, Add	*145.82*	
		For 304 Stainless Steel Liner, Add	*198.85*	
		For 2" Wall Instead Of 1", Add	*822.26*	
		For 3" To 4" Wall Instead Of 1", Add	*1,246.81*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,047.97	112.62
		For Aluminum Liner, Add	*152.16*	
		For 304 Stainless Steel Liner, Add	*207.50*	
		For 2" Wall Instead Of 1", Add	*858.12*	
		For 3" To 4" Wall Instead Of 1", Add	*1,301.24*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,233.65	117.74
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*911.27*	
		For 3" To 4" Wall Instead Of 1", Add	*1,381.61*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,476.99	122.85
		For Aluminum Liner, Add	*174.35*	
		For 304 Stainless Steel Liner, Add	*237.75*	
		For 2" Wall Instead Of 1", Add	*981.71*	
		For 3" To 4" Wall Instead Of 1", Add	*1,487.91*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,605.05	127.97
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,017.57*	
		For 3" To 4" Wall Instead Of 1", Add	*1,542.34*	

23 51 16 00-0071 Tees *(23 51 16 00-0001)*

23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	123.20	30.33
		For Aluminum Liner, Add	*2.60*	
		For 304 Stainless Steel Liner, Add	*3.54*	
		For 2" Wall Instead Of 1", Add	*21.77*	
		For 3" To 4" Wall Instead Of 1", Add	*36.46*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	128.27	31.48
		For Aluminum Liner, Add	*2.73*	
		For 304 Stainless Steel Liner, Add	*3.72*	
		For 2" Wall Instead Of 1", Add	*22.74*	
		For 3" To 4" Wall Instead Of 1", Add	*38.05*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	133.77	32.77
		For Aluminum Liner, Add	*2.85*	
		For 304 Stainless Steel Liner, Add	*3.89*	
		For 2" Wall Instead Of 1", Add	*23.75*	
		For 3" To 4" Wall Instead Of 1", Add	*39.72*	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	143.01	34.16
		For Aluminum Liner, Add	*3.17*	
		For 304 Stainless Steel Liner, Add	*4.32*	
		For 2" Wall Instead Of 1", Add	*25.83*	
		For 3" To 4" Wall Instead Of 1", Add	*43.01*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	168.61	35.57
		For Aluminum Liner, Add	*4.37*	
		For 304 Stainless Steel Liner, Add	*5.97*	
		For 2" Wall Instead Of 1", Add	*32.77*	
		For 3" To 4" Wall Instead Of 1", Add	*53.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	180.64	37.24
		For Aluminum Liner, Add	*4.82*	
		For 304 Stainless Steel Liner, Add	*6.57*	
		For 2" Wall Instead Of 1", Add	*35.59*	
		For 3" To 4" Wall Instead Of 1", Add	*58.03*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	334.98	39.04
		For Aluminum Liner, Add	*13.06*	
		For 304 Stainless Steel Liner, Add	*17.81*	
		For 2" Wall Instead Of 1", Add	*80.99*	
		For 3" To 4" Wall Instead Of 1", Add	*126.36*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	388.22	40.95
		For Aluminum Liner, Add	*15.72*	
		For 304 Stainless Steel Liner, Add	*21.44*	
		For 2" Wall Instead Of 1", Add	*96.00*	
		For 3" To 4" Wall Instead Of 1", Add	*149.11*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	579.44	45.56
		For Aluminum Liner, Add	*25.61*	
		For 304 Stainless Steel Liner, Add	*34.93*	
		For 2" Wall Instead Of 1", Add	*151.09*	
		For 3" To 4" Wall Instead Of 1", Add	*232.32*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	787.29	51.19
		For Aluminum Liner, Add	*36.27*	
		For 304 Stainless Steel Liner, Add	*49.45*	
		For 2" Wall Instead Of 1", Add	*210.60*	
		For 3" To 4" Wall Instead Of 1", Add	*322.30*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	976.21	58.49
		For Aluminum Liner, Add	*45.65*	
		For 304 Stainless Steel Liner, Add	*62.25*	
		For 2" Wall Instead Of 1", Add	*263.62*	
		For 3" To 4" Wall Instead Of 1", Add	*402.74*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,298.72	72.30
		For Aluminum Liner, Add	*61.50*	
		For 304 Stainless Steel Liner, Add	*83.86*	
		For 2" Wall Instead Of 1", Add	*353.51*	
		For 3" To 4" Wall Instead Of 1", Add	*539.29*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,630.94	94.44
		For Aluminum Liner, Add	*76.72*	
		For 304 Stainless Steel Liner, Add	*104.61*	
		For 2" Wall Instead Of 1", Add	*442.06*	
		For 3" To 4" Wall Instead Of 1", Add	*674.90*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,874.93	99.82
		For Aluminum Liner, Add	*89.40*	
		For 304 Stainless Steel Liner, Add	*121.90*	
		For 2" Wall Instead Of 1", Add	*512.57*	
		For 3" To 4" Wall Instead Of 1", Add	*781.33*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,574.36	107.50
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*718.54*	
		For 3" To 4" Wall Instead Of 1", Add	*1,091.25*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,872.85	111.72
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*806.02*	
		For 3" To 4" Wall Instead Of 1", Add	*1,222.99*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,118.56	117.74
		For Aluminum Liner, Add	*155.33*	
		For 304 Stainless Steel Liner, Add	*211.82*	
		For 2" Wall Instead Of 1", Add	*876.70*	
		For 3" To 4" Wall Instead Of 1", Add	*1,329.77*	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,592.37	122.85
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,016.30*	
		For 3" To 4" Wall Instead Of 1", Add	*1,539.81*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,662.91	127.97
		For Aluminum Liner, Add	*183.86*	
		For 304 Stainless Steel Liner, Add	*250.72*	
		For 2" Wall Instead Of 1", Add	*1,034.89*	
		For 3" To 4" Wall Instead Of 1", Add	*1,568.32*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,260.78	136.55
		For Aluminum Liner, Add	*215.56*	
		For 304 Stainless Steel Liner, Add	*293.95*	
		For 2" Wall Instead Of 1", Add	*1,209.95*	
		For 3" To 4" Wall Instead Of 1", Add	*1,831.99*	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,361.06	153.57
		For Aluminum Liner, Add	*218.73*	
		For 304 Stainless Steel Liner, Add	*298.27*	
		For 2" Wall Instead Of 1", Add	*1,231.50*	
		For 3" To 4" Wall Instead Of 1", Add	*1,866.46*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,761.67	175.58
		For Aluminum Liner, Add	*237.75*	
		For 304 Stainless Steel Liner, Add	*324.21*	
		For 2" Wall Instead Of 1", Add	*1,340.73*	
		For 3" To 4" Wall Instead Of 1", Add	*2,033.03*	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,238.17	204.76
		For Aluminum Liner, Add	*259.94*	
		For 304 Stainless Steel Liner, Add	*354.47*	
		For 2" Wall Instead Of 1", Add	*1,469.07*	
		For 3" To 4" Wall Instead Of 1", Add	*2,229.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,705.15	230.36
		For Aluminum Liner, Add	*282.14*	
		For 304 Stainless Steel Liner, Add	*384.73*	
		For 2" Wall Instead Of 1", Add	*1,596.46*	
		For 3" To 4" Wall Instead Of 1", Add	*2,423.46*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,243.14	238.04
		For Aluminum Liner, Add	*310.67*	
		For 304 Stainless Steel Liner, Add	*423.63*	
		For 2" Wall Instead Of 1", Add	*1,754.01*	
		For 3" To 4" Wall Instead Of 1", Add	*2,660.74*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,608.38	245.71
		For Aluminum Liner, Add	*329.69*	
		For 304 Stainless Steel Liner, Add	*449.57*	
		For 2" Wall Instead Of 1", Add	*1,859.70*	
		For 3" To 4" Wall Instead Of 1", Add	*2,820.25*	

23 51 16 00-0098 Vent Top Caps *(23 51 16 00-0001)*

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	62.39	17.79
		For Aluminum Liner, Add	*0.98*	
		For 304 Stainless Steel Liner, Add	*1.34*	
		For 2" Wall Instead Of 1", Add	*9.81*	
		For 3" To 4" Wall Instead Of 1", Add	*16.95*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	65.36	18.69
		For Aluminum Liner, Add	*1.03*	
		For 304 Stainless Steel Liner, Add	*1.41*	
		For 2" Wall Instead Of 1", Add	*10.29*	
		For 3" To 4" Wall Instead Of 1", Add	*17.77*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	83.81	20.48
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*14.91*	
		For 3" To 4" Wall Instead Of 1", Add	*24.92*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	89.44	22.78
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*15.47*	
		For 3" To 4" Wall Instead Of 1", Add	*26.04*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	108.22	24.06
		For Aluminum Liner, Add	*2.64*	
		For 304 Stainless Steel Liner, Add	*3.61*	
		For 2" Wall Instead Of 1", Add	*20.44*	
		For 3" To 4" Wall Instead Of 1", Add	*33.66*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	127.39	25.59
		For Aluminum Liner, Add	*3.49*	
		For 304 Stainless Steel Liner, Add	*4.76*	
		For 2" Wall Instead Of 1", Add	*25.42*	
		For 3" To 4" Wall Instead Of 1", Add	*41.33*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	295.56	29.18
		For Aluminum Liner, Add	*12.24*	
		For 304 Stainless Steel Liner, Add	*16.69*	
		For 2" Wall Instead Of 1", Add	*74.05*	
		For 3" To 4" Wall Instead Of 1", Add	*114.73*	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	547.87	36.60
		For Aluminum Liner, Add	*25.11*	
		For 304 Stainless Steel Liner, Add	*34.24*	
		For 2" Wall Instead Of 1", Add	*146.09*	
		For 3" To 4" Wall Instead Of 1", Add	*223.70*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,008.82	43.90
		For Aluminum Liner, Add	*49.45*	
		For 304 Stainless Steel Liner, Add	*67.44*	
		For 2" Wall Instead Of 1", Add	*280.71*	
		For 3" To 4" Wall Instead Of 1", Add	*426.55*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,675.22	61.43
		For Aluminum Liner, Add	*83.69*	
		For 304 Stainless Steel Liner, Add	*114.12*	
		For 2" Wall Instead Of 1", Add	*471.85*	
		For 3" To 4" Wall Instead Of 1", Add	*715.45*	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,467.08	64.63
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*707.81*	
		For 3" To 4" Wall Instead Of 1", Add	*1,069.79*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,764.31	68.21
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*795.17*	
		For 3" To 4" Wall Instead Of 1", Add	*1,201.28*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,120.27	72.30
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*899.93*	
		For 3" To 4" Wall Instead Of 1", Add	*1,358.93*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,304.46	76.78
		For Aluminum Liner, Add	*171.18*	
		For 304 Stainless Steel Liner, Add	*233.43*	
		For 2" Wall Instead Of 1", Add	*952.93*	
		For 3" To 4" Wall Instead Of 1", Add	*1,439.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,490.16	81.90
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,006.08*	
		For 3" To 4" Wall Instead Of 1", Add	*1,519.36*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,735.17	87.79
		For Aluminum Liner, Add	*193.37*	
		For 304 Stainless Steel Liner, Add	*263.69*	
		For 2" Wall Instead Of 1", Add	*1,076.69*	
		For 3" To 4" Wall Instead Of 1", Add	*1,626.00*	

23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	25.97	9.60
		For Aluminum Liner, Add	*0.11*	
		For 304 Stainless Steel Liner, Add	*0.15*	
		For 2" Wall Instead Of 1", Add	*3.01*	
		For 3" To 4" Wall Instead Of 1", Add	*5.71*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	32.94	12.29
		For Aluminum Liner, Add	*0.12*	
		For 304 Stainless Steel Liner, Add	*0.16*	
		For 2" Wall Instead Of 1", Add	*3.72*	
		For 3" To 4" Wall Instead Of 1", Add	*7.12*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	43.86	16.51
		For Aluminum Liner, Add	*0.14*	
		For 304 Stainless Steel Liner, Add	*0.19*	
		For 2" Wall Instead Of 1", Add	*4.90*	
		For 3" To 4" Wall Instead Of 1", Add	*9.42*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	54.86	20.48
		For Aluminum Liner, Add	*0.20*	
		For 304 Stainless Steel Liner, Add	*0.28*	
		For 2" Wall Instead Of 1", Add	*6.22*	
		For 3" To 4" Wall Instead Of 1", Add	*11.89*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	78.54	27.64
		For Aluminum Liner, Add	*0.52*	
		For 304 Stainless Steel Liner, Add	*0.71*	
		For 2" Wall Instead Of 1", Add	*9.74*	
		For 3" To 4" Wall Instead Of 1", Add	*18.07*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	99.12	34.30
		For Aluminum Liner, Add	*0.74*	
		For 304 Stainless Steel Liner, Add	*1.00*	
		For 2" Wall Instead Of 1", Add	*12.59*	
		For 3" To 4" Wall Instead Of 1", Add	*23.17*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	125.05	40.95
		For Aluminum Liner, Add	*1.25*	
		For 304 Stainless Steel Liner, Add	*1.70*	
		For 2" Wall Instead Of 1", Add	*17.04*	
		For 3" To 4" Wall Instead Of 1", Add	*30.68*	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	162.14	48.63
		For Aluminum Liner, Add	*2.23*	
		For 304 Stainless Steel Liner, Add	*3.04*	
		For 2" Wall Instead Of 1", Add	*24.33*	
		For 3" To 4" Wall Instead Of 1", Add	*42.57*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	215.93	53.75
		For Aluminum Liner, Add	*4.49*	
		For 304 Stainless Steel Liner, Add	*6.12*	
		For 2" Wall Instead Of 1", Add	*37.91*	
		For 3" To 4" Wall Instead Of 1", Add	*63.58*	

23 51 16 00-0125 Adjustable Roof Flashing *(23 51 16 00-0001)*

23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	70.09	22.78
		For Aluminum Liner, Add	*0.73*	
		For 304 Stainless Steel Liner, Add	*0.99*	
		For 2" Wall Instead Of 1", Add	*9.66*	
		For 3" To 4" Wall Instead Of 1", Add	*17.33*	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	77.32	24.06
		For Aluminum Liner, Add	*0.94*	
		For 304 Stainless Steel Liner, Add	*1.28*	
		For 2" Wall Instead Of 1", Add	*11.14*	
		For 3" To 4" Wall Instead Of 1", Add	*19.73*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	96.79	27.26
		For Aluminum Liner, Add	*1.57*	
		For 304 Stainless Steel Liner, Add	*2.14*	
		For 2" Wall Instead Of 1", Add	*15.40*	
		For 3" To 4" Wall Instead Of 1", Add	*26.51*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	117.78	31.48
		For Aluminum Liner, Add	*2.15*	
		For 304 Stainless Steel Liner, Add	*2.93*	
		For 2" Wall Instead Of 1", Add	*19.59*	
		For 3" To 4" Wall Instead Of 1", Add	*33.33*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	192.58	34.16
		For Aluminum Liner, Add	*5.90*	
		For 304 Stainless Steel Liner, Add	*8.04*	
		For 2" Wall Instead Of 1", Add	*40.70*	
		For 3" To 4" Wall Instead Of 1", Add	*65.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	229.05	37.24
		For Aluminum Liner, Add	*7.48*	
		For 304 Stainless Steel Liner, Add	*10.20*	
		For 2" Wall Instead Of 1", Add	*50.11*	
		For 3" To 4" Wall Instead Of 1", Add	*79.82*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	269.53	40.95
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*60.38*	
		For 3" To 4" Wall Instead Of 1", Add	*95.69*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	321.39	45.56
		For Aluminum Liner, Add	*11.41*	
		For 304 Stainless Steel Liner, Add	*15.56*	
		For 2" Wall Instead Of 1", Add	*73.64*	
		For 3" To 4" Wall Instead Of 1", Add	*116.15*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	485.37	51.19
		For Aluminum Liner, Add	*19.65*	
		For 304 Stainless Steel Liner, Add	*26.80*	
		For 2" Wall Instead Of 1", Add	*120.01*	
		For 3" To 4" Wall Instead Of 1", Add	*186.41*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	534.90	68.21
		For Aluminum Liner, Add	*20.03*	
		For 304 Stainless Steel Liner, Add	*27.32*	
		For 2" Wall Instead Of 1", Add	*126.34*	
		For 3" To 4" Wall Instead Of 1", Add	*198.05*	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	680.54	87.79
		For Aluminum Liner, Add	*25.36*	
		For 304 Stainless Steel Liner, Add	*34.58*	
		For 2" Wall Instead Of 1", Add	*160.27*	
		For 3" To 4" Wall Instead Of 1", Add	*251.38*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	809.27	102.38
		For Aluminum Liner, Add	*30.43*	
		For 304 Stainless Steel Liner, Add	*41.50*	
		For 2" Wall Instead Of 1", Add	*191.59*	
		For 3" To 4" Wall Instead Of 1", Add	*300.18*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	27.75	9.60
		For Aluminum Liner, Add	*0.21*	
		For 304 Stainless Steel Liner, Add	*0.29*	
		For 2" Wall Instead Of 1", Add	*3.54*	
		For 3" To 4" Wall Instead Of 1", Add	*6.51*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	35.10	12.29
		For Aluminum Liner, Add	*0.24*	
		For 304 Stainless Steel Liner, Add	*0.33*	
		For 2" Wall Instead Of 1", Add	*4.39*	
		For 3" To 4" Wall Instead Of 1", Add	*8.12*	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	41.30	14.33
		For Aluminum Liner, Add	*0.30*	
		For 304 Stainless Steel Liner, Add	*0.41*	
		For 2" Wall Instead Of 1", Add	*5.22*	
		For 3" To 4" Wall Instead Of 1", Add	*9.63*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	47.52	16.38
		For Aluminum Liner, Add	*0.36*	
		For 304 Stainless Steel Liner, Add	*0.49*	
		For 2" Wall Instead Of 1", Add	*6.06*	
		For 3" To 4" Wall Instead Of 1", Add	*11.14*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	59.92	20.48
		For Aluminum Liner, Add	*0.48*	
		For 304 Stainless Steel Liner, Add	*0.65*	
		For 2" Wall Instead Of 1", Add	*7.74*	
		For 3" To 4" Wall Instead Of 1", Add	*14.17*	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	82.79	27.64
		For Aluminum Liner, Add	*0.75*	
		For 304 Stainless Steel Liner, Add	*1.03*	
		For 2" Wall Instead Of 1", Add	*11.02*	
		For 3" To 4" Wall Instead Of 1", Add	*19.98*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	102.19	34.30
		For Aluminum Liner, Add	*0.90*	
		For 304 Stainless Steel Liner, Add	*1.23*	
		For 2" Wall Instead Of 1", Add	*13.51*	
		For 3" To 4" Wall Instead Of 1", Add	*24.55*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	130.27	40.95
		For Aluminum Liner, Add	*1.53*	
		For 304 Stainless Steel Liner, Add	*2.09*	
		For 2" Wall Instead Of 1", Add	*18.61*	
		For 3" To 4" Wall Instead Of 1", Add	*33.03*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	172.07	48.63
		For Aluminum Liner, Add	*2.78*	
		For 304 Stainless Steel Liner, Add	*3.79*	
		For 2" Wall Instead Of 1", Add	*27.31*	
		For 3" To 4" Wall Instead Of 1", Add	*47.04*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	240.78	53.75
		For Aluminum Liner, Add	*5.85*	
		For 304 Stainless Steel Liner, Add	*7.98*	
		For 2" Wall Instead Of 1", Add	*45.36*	
		For 3" To 4" Wall Instead Of 1", Add	*74.76*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0149		Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*			
23 51 16 00-0150		Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*			
23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe		46.61	12.03
		For 2" Wall Instead Of 1", Add		*7.97*	
		For 3" To 4" Wall Instead Of 1", Add		*13.45*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe		51.38	12.80
		For 2" Wall Instead Of 1", Add		*9.06*	
		For 3" To 4" Wall Instead Of 1", Add		*15.18*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe		56.91	13.70
		For 2" Wall Instead Of 1", Add		*10.24*	
		For 3" To 4" Wall Instead Of 1", Add		*17.07*	
23 51 16 00-0154		45 Degree Elbows *(23 51 16 00-0149)*			
23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe		102.02	24.96
		For 2" Wall Instead Of 1", Add		*18.12*	
		For 3" To 4" Wall Instead Of 1", Add		*30.30*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe		119.06	29.18
		For 2" Wall Instead Of 1", Add		*21.13*	
		For 3" To 4" Wall Instead Of 1", Add		*35.34*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe		141.69	33.02
		For 2" Wall Instead Of 1", Add		*25.99*	
		For 3" To 4" Wall Instead Of 1", Add		*43.12*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe		104.00	24.96
		For 2" Wall Instead Of 1", Add		*18.72*	
		For 3" To 4" Wall Instead Of 1", Add		*31.20*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe		123.87	29.18
		For 2" Wall Instead Of 1", Add		*22.57*	
		For 3" To 4" Wall Instead Of 1", Add		*37.50*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe		144.80	33.02
		For 2" Wall Instead Of 1", Add		*26.93*	
		For 3" To 4" Wall Instead Of 1", Add		*44.52*	
23 51 16 00-0161		Tees *(23 51 16 00-0149)*			
23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe		170.33	37.88
		For 2" Wall Instead Of 1", Add		*32.14*	
		For 3" To 4" Wall Instead Of 1", Add		*52.95*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe		173.44	37.88
		For 2" Wall Instead Of 1", Add		*33.07*	
		For 3" To 4" Wall Instead Of 1", Add		*54.35*	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe		199.30	43.51
		For 2" Wall Instead Of 1", Add		*38.03*	
		For 3" To 4" Wall Instead Of 1", Add		*62.49*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe		227.97	48.76
		For 2" Wall Instead Of 1", Add		*44.01*	
		For 3" To 4" Wall Instead Of 1", Add		*72.11*	
23 51 16 00-0166		Tops/Caps And Adjustable Flashing *(23 51 16 00-0149)*			
23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe		65.06	12.29
		For 2" Wall Instead Of 1", Add		*13.35*	
		For 3" To 4" Wall Instead Of 1", Add		*21.57*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe		101.39	16.51
		For 2" Wall Instead Of 1", Add		*22.16*	
		For 3" To 4" Wall Instead Of 1", Add		*35.31*	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe		52.89	12.29
		For 2" Wall Instead Of 1", Add		*9.70*	
		For 3" To 4" Wall Instead Of 1", Add		*16.09*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe		89.94	16.51
		For 2" Wall Instead Of 1", Add		*18.73*	
		For 3" To 4" Wall Instead Of 1", Add		*30.15*	
23 51 16 00-0171		Storm Collars *(23 51 16 00-0149)*			
23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall		35.10	12.29
		For 2" Wall Instead Of 1", Add		*4.39*	
		For 3" To 4" Wall Instead Of 1", Add		*8.12*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall		41.30	14.33
		For 2" Wall Instead Of 1", Add		*5.22*	
		For 3" To 4" Wall Instead Of 1", Add		*9.63*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall		47.52	16.38
		For 2" Wall Instead Of 1", Add		*6.06*	
		For 3" To 4" Wall Instead Of 1", Add		*11.14*	
23 51 16 00-0175		Round Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*			
		Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.			
23 51 16 00-0176		Round Double Wall Flue/Vent Pipe *(23 51 16 00-0175)*			
		Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.			
23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		126.26	13.70
		For 316 Stainless Steel, Add		*14.73*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add		*9.21*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add		*18.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	151.82	15.74
		For 316 Stainless Steel, Add	*17.98*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.48*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	168.53	17.02
		For 316 Stainless Steel, Add	*20.15*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.59*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.19*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	190.05	18.56
		For 316 Stainless Steel, Add	*22.96*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*28.71*	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	213.97	19.45
		For 316 Stainless Steel, Add	*26.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.04*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	225.95	20.48
		For 316 Stainless Steel, Add	*27.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*34.93*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	250.29	21.63
		For 316 Stainless Steel, Add	*31.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.63*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*39.27*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	310.13	34.16
		For 316 Stainless Steel, Add	*35.96*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.48*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.95*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	385.77	38.39
		For 316 Stainless Steel, Add	*46.36*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.95*	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	435.43	40.95
		For 316 Stainless Steel, Add	*53.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*33.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*66.62*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	487.36	45.44
		For 316 Stainless Steel, Add	*59.80*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.74*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	542.46	49.14
		For 316 Stainless Steel, Add	*67.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.95*	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	619.27	55.92
		For 316 Stainless Steel, Add	*76.69*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.87*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	725.19	64.76
		For 316 Stainless Steel, Add	*90.13*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*56.33*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*112.66*	

23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	593.33	28.28
		For 316 Stainless Steel, Add	*104.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*52.27*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*104.53*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	655.52	31.48
		For 316 Stainless Steel, Add	*115.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*57.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*115.37*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	746.19	34.16
		For 316 Stainless Steel, Add	*132.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*66.08*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*132.16*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	843.19	37.24
		For 316 Stainless Steel, Add	*150.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*75.02*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*150.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	977.67	39.04
		For 316 Stainless Steel, Add	*176.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*88.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*176.03*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,077.28	40.95
		For 316 Stainless Steel, Add	*194.98*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,245.15	43.13
		For 316 Stainless Steel, Add	*227.48*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*113.74*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*227.48*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,443.45	68.21
		For 316 Stainless Steel, Add	*254.56*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*127.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*254.56*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,776.21	76.78
		For 316 Stainless Steel, Add	*316.85*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*158.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*316.85*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,154.60	81.90
		For 316 Stainless Steel, Add	*389.97*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*389.97*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,846.17	87.66
		For 316 Stainless Steel, Add	*525.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*262.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*525.37*	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,234.87	102.38
		For 316 Stainless Steel, Add	*595.78*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*297.89*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*595.78*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,747.53	111.72
		For 316 Stainless Steel, Add	*893.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*893.68*	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,926.46	122.85
		For 316 Stainless Steel, Add	*1,123.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*561.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*1,123.87*	
23 51 16 00-0206		**45 Degree Elbows** *(23 51 16 00-0175)*		
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	395.89	27.26
		For 316 Stainless Steel, Add	*65.54*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.54*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	452.41	31.48
		For 316 Stainless Steel, Add	*74.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.74*	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	502.42	34.16
		For 316 Stainless Steel, Add	*83.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.41*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	572.39	37.24
		For 316 Stainless Steel, Add	*95.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.87*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	644.56	39.04
		For 316 Stainless Steel, Add	*109.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*54.70*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*109.41*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	722.52	40.95
		For 316 Stainless Steel, Add	*124.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*62.02*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*124.03*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	809.14	43.13
		For 316 Stainless Steel, Add	*140.28*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*70.14*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*140.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	972.25	68.21
		For 316 Stainless Steel, Add	*160.32*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.32*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,221.05	76.78
		For 316 Stainless Steel, Add	*205.82*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*102.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*205.82*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,369.25	81.90
		For 316 Stainless Steel, Add	*232.90*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*116.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*232.90*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,776.46	87.66
		For 316 Stainless Steel, Add	*311.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*155.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*311.43*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,354.74	102.38
		For 316 Stainless Steel, Add	*419.76*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*209.88*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*419.76*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,122.67	111.72
		For 316 Stainless Steel, Add	*568.70*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*284.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*568.70*	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,166.22	122.85
		For 316 Stainless Steel, Add	*771.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*385.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*771.81*	

23 51 16 00-0221 Tees *(23 51 16 00-0175)*

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	429.34	34.16
		For 316 Stainless Steel, Add	*75.66*	
		For Tee Cap, Add	*98.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.79*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	488.42	37.24
		For 316 Stainless Steel, Add	*86.98*	
		For Tee Cap, Add	*111.64*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*39.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*79.08*	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	560.58	39.04
		For 316 Stainless Steel, Add	*101.88*	
		For Tee Cap, Add	*126.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*46.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*92.62*	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	643.97	40.95
		For 316 Stainless Steel, Add	*119.16*	
		For Tee Cap, Add	*144.15*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*54.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*108.32*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	752.86	45.56
		For 316 Stainless Steel, Add	*140.60*	
		For Tee Cap, Add	*167.63*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*127.82*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	845.54	51.19
		For 316 Stainless Steel, Add	*157.88*	
		For Tee Cap, Add	*188.29*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*71.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*143.53*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	985.65	58.49
		For 316 Stainless Steel, Add	*184.69*	
		For Tee Cap, Add	*219.05*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*83.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*167.90*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,128.50	72.30
		For 316 Stainless Steel, Add	*208.52*	
		For Tee Cap, Add	*252.80*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*94.78*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*189.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,433.98	102.38
		For 316 Stainless Steel, Add	*259.17*	
		For Tee Cap, Add	*325.19*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*117.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*235.61*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,741.53	111.72
		For 316 Stainless Steel, Add	*321.72*	
		For Tee Cap, Add	*390.18*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*146.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*292.48*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,311.13	122.85
		For 316 Stainless Steel, Add	*440.88*	
		For Tee Cap, Add	*508.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*200.40*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*400.80*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,575.63	136.55
		For 316 Stainless Steel, Add	*491.52*	
		For Tee Cap, Add	*566.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*223.42*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,100.15	204.76
		For 316 Stainless Steel, Add	*789.42*	
		For Tee Cap, Add	*896.82*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*358.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*717.65*	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,150.41	245.71
		For 316 Stainless Steel, Add	*997.94*	
		For Tee Cap, Add	*1,122.23*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*453.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*907.22*	

23 51 16 00-0236 Bellows *(23 51 16 00-0175)*

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	810.23	27.26
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*74.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*148.40*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	883.00	31.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.86*	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	965.55	34.16
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*88.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*176.03*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,067.96	37.24
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,194.31	39.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*109.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*219.36*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,321.01	40.95
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*243.73*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,475.34	43.13
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*136.76*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*273.52*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,714.24	68.21
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*154.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*308.72*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,114.75	76.78
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*192.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*384.55*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,371.28	81.90
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*216.65*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*433.30*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,710.90	87.79
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*249.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*498.29*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,099.49	102.38
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*284.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*568.70*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,935.12	111.72
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*365.60*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*731.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,775.54	122.85
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*893.68*	

23 51 16 00-0251 Ventilated Roof Thimbles *(23 51 16 00-0175)*

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	539.12	31.48
		For 316 Stainless Steel, Add	*46.04*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	585.93	37.24
		For 316 Stainless Steel, Add	*49.29*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	641.25	40.95
		For 316 Stainless Steel, Add	*53.89*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	693.36	45.56
		For 316 Stainless Steel, Add	*57.95*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	881.46	48.24
		For 316 Stainless Steel, Add	*76.10*	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	788.73	51.19
		For 316 Stainless Steel, Add	*66.08*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	848.80	54.64
		For 316 Stainless Steel, Add	*71.22*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	955.68	76.78
		For 316 Stainless Steel, Add	*76.37*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,072.21	87.66
		For 316 Stainless Steel, Add	*85.31*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,224.57	94.44
		For 316 Stainless Steel, Add	*98.85*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,366.12	102.25
		For 316 Stainless Steel, Add	*111.03*	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,525.60	122.73
		For 316 Stainless Steel, Add	*121.87*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,952.45	136.42
		For 316 Stainless Steel, Add	*161.13*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,414.74	153.44
		For 316 Stainless Steel, Add	*203.11*	

23 51 16 00-0266 Exit Cones *(23 51 16 00-0175)*

23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	372.24	17.79
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	392.70	19.45
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	422.19	20.48
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	441.14	21.50
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	485.91	22.14
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	530.69	22.65
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	643.41	23.42
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	805.69	43.90
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,011.79	47.23
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,206.11	49.14
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,482.05	51.19
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,683.28	55.92
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,123.22	58.49
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,712.75	61.43

23 51 16 00-0281 Vent Top Caps *(23 51 16 00-0175)*

23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	407.35	17.79
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	471.24	19.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	546.73	20.48
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	627.97	21.50
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	732.30	22.14
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	831.37	22.78
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	925.09	23.42
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,111.59	43.90
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,323.21	47.23
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,436.22	49.14
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,630.90	51.19
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,899.78	55.80
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,312.70	58.49
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,685.57	61.43

23 51 16 00-0296 Roof Support Assemblies *(23 51 16 00-0175)*

23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	615.29	32.77
		For 316 Stainless Steel, Add	*106.70*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	679.76	39.04
		For 316 Stainless Steel, Add	*116.45*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	746.79	43.13
		For 316 Stainless Steel, Add	*127.82*	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	797.40	48.12
		For 316 Stainless Steel, Add	*135.41*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	888.95	51.19
		For 316 Stainless Steel, Add	*152.20*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	943.55	54.64
		For 316 Stainless Steel, Add	*161.40*	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,012.98	58.61
		For 316 Stainless Steel, Add	*173.32*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,125.52	81.90
		For 316 Stainless Steel, Add	*184.15*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,265.37	94.57
		For 316 Stainless Steel, Add	*205.82*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,461.06	102.38
		For 316 Stainless Steel, Add	*241.02*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,741.55	111.72
		For 316 Stainless Steel, Add	*292.48*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,020.47	136.55
		For 316 Stainless Steel, Add	*335.81*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,010.76	153.57
		For 316 Stainless Steel, Add	*525.37*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,686.20	174.56
		For 316 Stainless Steel, Add	*649.95*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	110.01	13.70
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.58*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.17*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	134.08	14.59
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*19.50*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	153.17	15.74
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.75*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	207.75	17.02
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	268.65	18.69
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.21*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.41*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	341.36	19.58
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*58.50*	

23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	237.52	27.26
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.85*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	262.64	29.18
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*18.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*37.91*	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	295.39	31.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*43.33*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	367.01	34.16
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*56.33*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	436.99	37.24
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.79*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	509.09	39.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*82.33*	

23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	195.21	27.26
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.39*	
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	215.24	29.18
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*28.44*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	241.24	31.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*32.50*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	296.59	34.16
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*42.25*	
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	350.98	37.24
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*25.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*51.59*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	406.24	39.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*61.74*	

23 51 16 00-0333 Tees With Tee Caps *(23 51 16 00-0311)*

23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	387.76	27.26
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*63.91*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	490.13	29.18
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.41*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	549.91	31.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*94.24*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	748.77	34.16
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*66.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*132.70*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,027.30	37.24
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*93.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*186.86*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,316.08	39.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*243.73*	

23 51 16 00-0340 Joist Shields *(23 51 16 00-0311)*

23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	165.71	27.26
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	178.70	29.18
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	208.69	31.48
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	260.08	34.16
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	311.04	37.24
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	368.27	39.04

23 51 16 00-0347 Adjustable Roof Flashing *(23 51 16 00-0311)*

23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	196.85	27.26
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	219.30	29.18
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	238.47	31.48
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	289.84	34.16
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	357.16	37.24
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	427.81	38.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0354		**Vent Top Caps** *(23 51 16 00-0311)*		
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	176.54	27.26
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	220.65	29.18
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	276.39	31.48
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	440.18	34.16
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	599.53	37.24
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	763.68	39.04
23 51 16 00-0361		**Roof Support Assemblies** *(23 51 16 00-0311)*		
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	261.74	27.26
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	291.06	29.18
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	315.64	31.48
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	396.74	34.16
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	469.48	37.24
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	574.12	39.04
23 51 16 00-0368		**Polyvinyl Chloride (PVC) Flue/Vent Accessories** *(23 51 16)*		
23 51 16 00-0369		**Concentric Polyvinyl Chloride (PVC) Vent Termination** *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	256.55	52.12
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	278.31	52.12
23 51 16 00-0372		**Polypropylene (PP) Flue/Vent Pipe And Fittings** *(23 51 16)*		
		Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		**Polypropylene Flue/Vent Rigid Pipe Sections** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	48.19	15.83
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	54.82	16.66
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	62.85	18.52
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	78.07	21.78
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	57.95	18.14
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	70.03	19.11
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	85.98	21.23
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	106.36	24.97
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	95.95	24.01
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	113.40	25.26
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	141.11	28.08
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	182.92	33.03
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	142.34	35.43
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	162.85	37.29
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	211.92	41.44
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	275.62	48.76
23 51 16 00-0390		**Polypropylene Flue/Vent Elbows** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	59.58	19.23
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	69.76	20.25
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	87.21	20.99
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	101.32	21.85
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	59.58	19.23
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	69.76	20.25
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	87.21	20.99
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	101.32	21.85
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	59.58	19.23
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	69.76	20.25
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	87.21	20.99
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	101.32	21.85
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	59.58	19.23
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	69.76	20.25
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	86.13	20.99
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	103.99	21.85
23 51 16 00-0407		**Polypropylene Flue/Vent Tees** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	185.90	28.86
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	233.67	30.38
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	274.30	31.48
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	300.15	32.77
23 51 16 00-0412		**Polypropylene Flue/Vent Adaptors** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	70.12	19.23
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	100.44	20.25
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	116.91	20.99
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	159.39	21.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0417		**Polypropylene Flue/Vent Increases** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	77.70	19.74
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	85.07	20.62
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	152.93	21.41
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	104.73	19.74
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	82.87	20.62
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	210.67	21.41
23 51 16 00-0424		**Polypropylene Flue/Vent Reducers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	77.70	19.74
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	85.07	20.62
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	188.93	21.41
23 51 16 00-0428		**Polypropylene Flue/Vent Test Ports** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	98.58	28.86
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	110.56	30.38
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	169.12	31.48
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	180.57	32.77
23 51 16 00-0433		**Polypropylene Flue/Vent Cascade Components** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	279.15	31.48
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	365.57	39.36
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	229.66	32.77
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	340.14	40.95
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	356.15	20.62
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	412.31	21.41
23 51 16 00-0440		**Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	135.08	28.86
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	163.21	30.38
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	186.91	31.48
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	213.23	32.77
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	236.30	31.48
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	260.50	32.77
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	77.78	9.62
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	99.82	10.12
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	118.63	10.50
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	154.91	10.92
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	150.88	28.86
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	185.11	30.38
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	214.08	31.48
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	257.90	32.77
23 51 16 00-0455		**Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	195.93	19.23
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	172.88	20.25
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	216.30	20.99
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	441.60	20.25
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	471.52	20.99
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	550.40	21.85
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	115.78	19.23
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	122.55	19.23
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	129.32	19.23
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	136.09	19.23
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	125.09	20.25
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	131.86	20.25
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	138.63	20.25
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	145.40	20.25
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	140.47	20.99
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	147.24	20.99
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	154.01	20.99
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	122.48	19.23
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	156.90	20.25
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	142.42	28.86
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	187.49	30.38
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	221.65	31.48
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	244.20	32.77
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	50.71	16.66
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	60.68	18.52
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	61.01	19.11
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	76.24	21.23
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	92.10	25.26
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	127.12	37.29
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	154.06	41.44
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	56.14	16.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	72.26	19.11
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	118.42	25.26
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	61.74	19.23
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	72.47	20.25
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	90.67	20.99
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	60.72	19.23
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	71.79	20.25
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	89.48	20.99
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	39.66	9.62
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	46.23	10.12
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	51.82	10.50
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	101.69	10.12
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	116.88	10.92
23 51 16 00-0500		**Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)*		
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	20.21	4.81
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	19.24	5.07
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	19.82	5.24
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	31.37	5.46
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	38.22	7.22
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	44.93	7.59
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	52.16	7.87
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	36.33	7.22
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	36.22	7.87
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	44.20	8.19
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	27.65	7.59
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	54.91	19.23
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	60.58	20.25
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	65.26	20.99
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	72.94	21.85
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.35	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.86	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.58	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	10.87	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	16.69	4.81
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	18.91	5.07
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	20.38	5.24
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	22.54	5.46
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	84.57	9.62
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	86.68	10.12
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	64.25	10.50
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	73.58	7.22
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	75.88	7.59
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	101.99	7.87
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	173.12	8.19
23 51 16 00-0531		**Polypropylene Flue/Vent Flex Pipe** *(23 51 16 00-0372)*		
23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	13.26	1.69
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	11.46	1.69
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	16.29	1.99
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	14.03	1.99
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	23.52	2.46
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	20.04	2.46
23 51 16 00-0538		**Polypropylene Flue/Vent Couplers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	92.94	19.23
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	104.25	19.23
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	213.43	20.25
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	390.93	20.99
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	107.58	19.23
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	254.72	20.25
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	661.69	20.99
23 51 16 00-0546		**Polypropylene Flue/Vent Flex End Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	122.58	19.23
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	113.10	20.25
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	140.10	20.99
23 51 16 00-0550		**Aluminum Flue/Vent Fittings** *(23 51 16)*		
23 51 16 00-0551		**Aluminum Vent Top Caps** *(23 51 16 00-0550)*		
23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK)	117.08	19.07
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK)	124.55	18.69
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK)	135.14	19.58
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK)	189.30	20.48
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK)	211.74	22.78
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK)	609.13	24.06
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	624.18	25.59

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001 Packaged Electric Steam Boiler *(23 52 13)*

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	9,174.46	716.99
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	9,905.67	836.49
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	10,625.24	896.24
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	11,823.61	955.99
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	12,993.29	1,015.74
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	15,162.19	1,135.24
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	17,331.20	1,254.74
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	18,040.52	1,314.49
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	19,009.16	1,374.24
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	24,824.99	1,493.74
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	25,869.65	1,553.49
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	27,114.36	1,677.54
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	28,242.79	1,801.80
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	30,469.11	1,926.07
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	32,815.55	2,112.46
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	34,895.90	2,174.59
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	36,588.44	2,236.72
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	38,886.96	2,298.85
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	41,186.11	2,360.99
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	44,068.92	2,485.24
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	47,038.70	2,609.51
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	49,946.36	2,671.64
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	55,347.06	2,733.77
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	59,609.12	2,858.03
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	61,050.53	2,982.29
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	67,117.71	3,168.69
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	69,302.41	3,355.08
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	71,611.38	3,541.48
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	76,053.03	3,727.86
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	78,027.60	3,852.13
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	80,618.94	4,100.65
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	83,377.48	4,349.18
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	91,070.18	4,597.70
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	96,008.88	4,846.23

23 52 13 00-0036 Packaged Electric Hot Water Boiler *(23 52 13)*

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	8,058.20	657.24
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	8,483.80	716.99
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	8,909.40	776.74
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	9,324.81	836.49
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	9,806.07	896.24
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	10,157.19	955.99
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	10,582.79	1,015.74
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	11,221.19	1,075.49
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	11,789.55	1,135.24
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	12,130.03	1,194.99
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	13,029.18	1,254.74
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	13,879.89	1,314.49
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	15,421.57	1,374.24
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	16,435.47	1,433.99
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	17,281.97	1,493.74
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	18,746.20	1,553.49
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	20,416.35	1,677.54
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	21,945.10	1,801.80
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	23,608.74	1,926.07
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	25,261.75	2,112.46
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	26,925.39	2,236.72
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	28,477.50	2,360.99
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	30,650.94	2,423.11
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	32,662.28	2,485.24
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	34,588.51	2,609.51
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	36,610.39	2,609.51
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	40,106.02	2,671.64
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	41,965.47	2,733.77
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	44,308.18	2,858.03
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	46,081.65	2,920.16
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	47,861.44	2,982.29
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	49,193.85	3,168.69
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	51,604.54	3,355.08
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	60,053.72	3,541.48
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	65,888.11	3,727.86
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	68,445.44	3,852.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	71,291.84	4,100.65
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	74,138.22	4,349.18
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	82,171.81	4,597.70
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	87,350.46	4,846.23
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	89,558.46	4,970.49
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	91,766.44	5,094.75
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	92,263.50	5,281.15
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	99,056.01	5,405.40
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	103,596.25	5,591.80
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	111,222.88	5,964.59
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	119,861.46	6,585.90
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	129,795.48	7,331.47
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	137,422.11	8,077.04

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	12,596.58	478.00
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	13,351.54	636.69
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,247.91	716.87
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	15,102.78	756.79
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	19,903.70	876.29
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	23,023.68	955.87
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	31,059.07	1,115.17
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	43,107.13	1,274.58
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	52,675.20	1,394.07
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	75,956.14	1,632.95
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	83,692.17	1,752.45

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	39,834.80	1,035.58
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	41,721.21	1,115.17
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	46,654.29	1,274.58
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	50,427.11	1,433.87
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	55,910.88	1,553.37
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	63,943.03	1,632.95
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	76,785.22	1,752.45

23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	78,316.54	1,911.75
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	90,652.31	1,991.46
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	105,018.85	2,071.16

23 52 16 13-0025 Laars Neotherm Stainless Steel Condensing Boiler *(23 52 16 13)*

Note: Compliant with SCAQMD. Rated by gross rated input.

23 52 16 13-0026	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	8,845.63	517.79
23 52 16 13-0027	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	10,097.90	597.49
23 52 16 13-0028	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	11,317.14	716.87
23 52 16 13-0029	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	12,603.66	796.58
23 52 16 13-0030	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	15,848.37	876.29
23 52 16 13-0031	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	20,693.48	955.87
23 52 16 13-0032	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	24,854.09	1,035.58
23 52 16 13-0033	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	27,588.66	1,115.17
23 52 16 13-0034	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	29,966.71	1,194.88
23 52 16 13-0035	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	32,583.77	1,354.16
23 52 16 13-0036	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	46,338.01	1,433.87
23 52 16 13-0037	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	61,587.93	1,672.87

23 52 16 13-0038 AERCO Benchmark Stainless-Steel Condensing Boilers *(23 52 16 13)*

Note: Rated by gross rated output.

23 52 16 13-0039	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	50,217.24	1,632.95
23 52 16 13-0040	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	59,562.95	1,752.45
23 52 16 13-0041	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	85,553.31	1,951.66
23 52 16 13-0042	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	91,135.09	1,951.66

23 52 16 13-0043 Lochinvar Knight Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Rated by gross rated output.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	12,262.16	716.87
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	15,851.19	796.58
23 52 16 13-0046		Lochinvar Knight XL Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0047	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N)	18,003.01	916.08
23 52 16 13-0048	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N)	22,422.72	955.87
23 52 16 13-0049	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N)	27,502.34	1,035.58
23 52 16 13-0050	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N)	32,960.82	1,075.37
23 52 16 13-0051	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N)	40,287.23	1,155.08
23 52 16 13-0052		Lochinvar Crest Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0053	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	51,050.15	1,353.92
23 52 16 13-0054	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	52,707.05	1,553.37
23 52 16 13-0055	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	57,776.09	1,652.67
23 52 16 13-0056	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	62,845.13	1,752.45
23 52 16 13-0057	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	73,712.98	1,832.16
23 52 16 13-0058	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	81,657.03	1,911.75
23 52 16 13-0059	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	100,299.10	1,991.46
23 52 16 13-0060	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	110,810.15	2,071.04
23 52 16 13-0061	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	135,919.77	2,150.63
23 52 16 13-0062		Patterson Kelley Stainless Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0063		Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series *(23 52 16 13-0062)*		
23 52 16 13-0064	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	47,732.94	1,632.95
23 52 16 13-0065	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	73,291.25	1,951.66
23 52 16 13-0066		Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series *(23 52 16 13-0062)*		
23 52 16 13-0067	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650)	24,931.22	1,155.08
23 52 16 13-0068	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	29,982.46	1,433.87
23 52 16 13-0069	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	50,737.92	1,752.45
23 52 16 13-0070	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	86,980.07	2,071.16
23 52 16 13-0071		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series *(23 52 16 13-0062)*		
23 52 16 13-0072	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	36,494.55	1,513.45
23 52 16 13-0073	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	59,951.52	1,752.45
23 52 16 13-0074	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	88,940.40	2,071.16
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Rated by gross rated output.		
23 52 16 16-0002	EA	80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80)	8,499.02	517.79
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0003	EA	105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105)	9,370.39	597.49
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0004	EA	155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155)	10,572.05	716.87
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0005	EA	230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230)	11,865.00	796.58
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0006	EA	310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310)	15,385.34	916.08
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0007		Patterson Kelley Mach Series Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Rated by gross rated output.		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300)	20,911.67	876.29
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450)	23,524.58	995.79
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750)	26,647.48	1,194.88
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900)	39,470.18	1,354.16
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050)	41,232.07	1,433.87
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500)	63,957.87	1,632.95
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000)	69,257.77	1,752.45
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500)	81,620.35	1,911.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000)	94,722.10	1,951.66
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000)	107,765.29	2,071.16
23 52 16 16-0018		**Buderus GB142 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,155.89	478.00
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,150.49	557.58
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,262.08	677.08
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	9,052.10	756.79
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	360.54	119.50
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	461.58	119.50
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	947.75	119.50
23 52 16 16-0026		**Buderus GB162 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	10,243.35	876.29
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	12,550.89	916.08
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,873.83	1,075.37
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	22,347.35	1,075.37
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	28,488.89	1,155.08
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	26,962.41	1,155.08
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	33,127.82	1,354.16
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	39,930.94	1,433.87
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,064.46	1,513.45
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,675.82	1,513.45
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	49,936.11	1,553.37
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	50,547.47	1,553.37
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	771.20	119.50
23 52 16 16-0040		**Buderus GB312 Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	14,468.24	876.29
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	16,835.51	955.87
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	21,015.05	1,055.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	24,125.34	1,155.08
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	28,801.57	1,274.58
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	31,795.90	1,394.07
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	503.90	59.75
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	280.58	59.75
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	393.34	59.75
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	812.14	59.75

23 52 16 19 Copper Water-Tube Condensing Boilers *(23 52 16)*

23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)*

Note: Rated by gross rated output.

23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	45,904.48	1,513.45
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	51,751.28	1,672.87
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	56,614.17	1,752.45
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	61,082.31	1,832.16

23 52 16 23 Cast Iron Condensing Boilers *(23 52 16)*

23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)*

Note: Rated by gross rated output.

23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	16,205.82	756.79
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	23,689.01	955.87
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	38,847.26	1,115.17
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	50,984.94	1,433.87
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	67,915.00	1,672.87
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	74,067.16	1,752.45
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	94,197.87	1,911.75
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	102,931.65	1,951.66

23 52 23 Cast-Iron Boilers *(23 52)*

23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)*

Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	18,779.57	3,898.48
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480) Note: Includes field assembly of individual sections and testing.	20,443.14	4,158.38
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580) Note: Includes field assembly of individual sections and testing.	22,256.45	4,418.28
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680) Note: Includes field assembly of individual sections and testing.	23,948.33	4,678.17
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780) Note: Includes field assembly of individual sections and testing.	25,516.88	4,938.07
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	27,634.69	5,197.97
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	29,289.53	5,457.87
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	30,619.86	5,717.76
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	31,945.53	5,977.67
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	33,463.96	6,237.57

23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	12,253.93	497.05
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	13,604.54	497.05
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	15,604.44	621.32
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	16,981.59	621.32
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	18,737.07	745.57
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	20,558.36	745.57
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	22,397.65	869.84
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	23,912.89	994.10
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	24,928.29	994.10
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	26,629.29	1,118.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0024		**Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	19,568.70	3,898.48
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,373.35	4,158.38
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,101.45	4,418.28
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,022.39	4,678.17
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,620.27	4,938.07
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,916.86	5,197.97
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,390.13	5,457.87
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	31,825.21	5,717.76
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	33,152.28	5,977.67
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	34,708.41	6,237.57
23 52 23 00-0035		**Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	13,043.07	497.05
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	14,534.75	497.05
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	16,449.45	621.32
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	18,055.65	621.32
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	19,840.46	745.57
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	21,840.53	745.57
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	23,498.25	869.84
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	25,118.24	994.10
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	26,135.04	994.10
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	27,873.75	1,118.36
23 52 23 00-0046		**Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		**Gas Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	30,005.02	5,847.72
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	32,994.99	6,205.08
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	36,669.45	6,562.44
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	39,920.12	6,919.80
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	42,761.19	7,277.16
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	46,828.35	7,634.52
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	49,694.96	7,991.88
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	52,243.93	8,349.24
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	55,609.50	8,706.60
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	58,338.32	9,063.96
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	63,061.39	9,421.32
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	65,663.27	9,778.68
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	68,416.03	10,136.04
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	71,470.83	10,493.40
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	73,976.90	10,850.76
23 52 23 00-0063		**Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	22,417.21	869.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	25,428.31	994.10
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	29,140.56	1,118.36
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	32,398.88	1,242.62
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	34,762.10	1,242.62
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	38,854.24	1,366.89
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	41,246.78	1,366.89
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	43,816.56	1,491.15
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	46,709.12	1,491.15
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	49,459.08	1,615.41
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	52,123.79	1,739.67
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	54,252.36	1,739.67
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	57,027.42	1,863.94
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	59,607.12	1,863.94
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	62,164.24	1,988.19

23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	30,977.13	5,847.72
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	33,961.51	6,205.08
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	37,887.37	6,562.44
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	41,260.96	6,919.80
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	43,965.15	7,277.16
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	47,956.88	7,634.52
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	51,389.15	7,991.88
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	53,938.13	8,349.24
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	57,270.18	8,706.60
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	60,712.71	9,063.96
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	65,555.90	9,421.32
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	68,997.20	9,778.68
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	70,909.14	10,136.04
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	73,888.52	10,493.40
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	76,421.12	10,850.76

23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*

23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	23,389.31	869.84
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	26,394.82	994.10
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	30,344.51	1,118.36
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	33,739.72	1,242.62
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	35,968.85	1,242.62
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	39,982.77	1,366.89
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	42,940.98	1,366.89
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	45,510.75	1,491.15
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	48,369.80	1,491.15
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	51,840.45	1,615.41
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	54,618.29	1,739.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	56,189.58	1,739.67
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	59,520.53	1,863.94
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	62,024.81	1,863.94
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	64,580.53	1,988.19
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	79,474.73	11,370.57
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	86,027.32	12,020.30
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	92,027.93	12,670.05
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	97,906.63	13,319.80
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	103,839.02	13,969.55
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	111,664.23	14,619.30
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	117,264.35	15,269.04
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	122,689.12	15,918.79
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	131,402.36	16,568.53
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	136,824.08	17,218.28
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	141,500.73	17,868.02
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	149,916.71	18,517.77
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	155,381.71	19,167.52
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	163,987.82	19,817.27
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	169,730.98	20,467.02
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	175,998.37	21,116.75
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	181,407.13	21,766.50
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	186,965.98	22,416.25
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	68,356.43	1,615.41
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	74,547.81	1,739.67
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	80,183.31	1,863.94
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	85,701.43	1,988.19
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	90,771.45	1,988.19
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	96,158.46	2,112.46
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	100,897.46	2,112.46
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	105,958.87	2,236.72
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	113,812.51	2,236.72
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	118,872.51	2,360.99
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	122,688.30	2,360.99
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	130,744.36	2,485.24
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	135,347.88	2,485.24
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	143,616.25	2,609.51
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	148,472.57	2,609.51
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	154,374.84	2,733.77
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	158,923.90	2,733.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	164,119.38	2,858.03
23 52 23 00-0150		**Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	75,306.98	11,370.57
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	81,859.56	12,020.30
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	89,790.42	12,670.05
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	95,164.91	13,319.80
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	100,753.71	13,969.55
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	108,194.83	14,619.30
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	114,054.73	15,269.04
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	119,482.29	15,918.79
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	129,192.78	16,568.53
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	134,615.90	17,218.28
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	140,036.98	17,868.02
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	149,926.48	18,517.77
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	155,391.49	19,167.52
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	164,222.46	19,817.27
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	169,964.23	20,467.02
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	176,111.50	21,116.75
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	181,520.26	21,766.50
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	187,087.50	22,416.25
23 52 23 00-0169		**Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	63,962.41	1,615.41
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	70,153.79	1,739.67
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	77,719.53	1,863.94
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	82,733.44	1,988.19
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	87,459.88	1,988.19
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	92,462.79	2,112.46
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	97,461.58	2,112.46
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	102,522.99	2,236.72
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	111,376.67	2,236.72
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	116,435.27	2,360.99
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	120,998.29	2,360.99
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	130,527.87	2,485.24
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	135,131.39	2,485.24
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	143,596.69	2,609.51
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	148,479.56	2,609.51
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	154,261.71	2,733.77
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	158,810.76	2,733.77
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	164,014.63	2,858.03
23 52 23 00-0188		**Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	80,784.84	11,370.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	87,338.82	12,020.30
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	93,696.99	12,670.05
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	99,716.75	13,319.80
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	105,617.02	13,969.55
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	112,320.68	14,619.30
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	119,444.60	15,269.04
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	125,212.95	15,918.79
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	134,145.48	16,568.53
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	139,567.20	17,218.28
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	144,341.61	17,868.02
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	152,852.57	18,517.77
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	159,714.28	19,167.52
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	169,069.01	19,817.27
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	174,770.27	20,467.02
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	181,297.45	21,116.75
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	186,707.60	21,766.50
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	192,270.65	22,416.25
23 52 23 00-0207		Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	69,768.49	1,615.41
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	75,961.27	1,739.67
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	81,958.51	1,863.94
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	87,614.91	1,988.19
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	92,652.81	1,988.19
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	96,916.87	2,112.46
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	103,179.67	2,112.46
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	108,583.27	2,236.72
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	116,658.99	2,236.72
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	121,716.19	2,360.99
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	125,631.14	2,360.99
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	133,782.18	2,485.24
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	139,783.80	2,485.24
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	148,772.86	2,609.51
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	153,615.22	2,609.51
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	159,775.88	2,733.77
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	164,326.33	2,733.77
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	169,527.41	2,858.03

23 52 33 Water-Tube Boilers *(23 52)*

23 52 33 13 Finned Water-Tube Boilers *(23 52 33)*

23 52 33 13-0001		Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler *(23 52 33 13)* Note: Rated by gross rated output.		
23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	9,176.75	709.82
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	10,101.78	788.70
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	11,620.74	946.43
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	14,754.92	985.87
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	17,343.62	1,183.04
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	21,298.14	1,419.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	24,149.12	1,498.52
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	26,732.82	1,616.83
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	29,123.80	1,695.69
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	31,218.60	1,735.13

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	31,613.95	1,419.65
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	39,423.44	1,616.83
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	42,013.51	1,735.13
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	59,255.53	1,971.74
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	62,207.26	2,208.34

23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	14,513.87	636.93
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	17,425.20	795.87
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	18,703.59	955.99
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	19,216.25	955.99
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	23,837.37	1,194.99
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	27,599.83	1,194.99
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	30,088.65	1,194.99
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	32,438.58	1,433.99
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	38,365.47	1,672.99
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	

23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	13,999.37	875.45
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	15,072.68	788.70
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	16,763.40	946.43
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	17,792.45	1,074.42
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	19,764.21	1,183.04
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	21,257.98	1,273.39
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	24,289.79	1,419.65
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	28,235.56	1,498.52
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	29,957.27	1,616.83
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	35,832.78	1,656.26
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	35,952.28	1,695.69
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	42,086.72	1,735.13

23 52 33 16 Steel Water-Tube Boilers *(23 52 33)*

23 52 33 16-0001 Package Gas Fired Water Tube Boiler *(23 52 33 16)*

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.

23 52 33 16-0002	EA	200 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,283.07	994.10
		For Steam System, Add	*2,658.98*	
		For LP Gas Burner, Add	*664.74*	
23 52 33 16-0003	EA	285 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,773.32	1,118.36
		For Steam System, Add	*2,707.32*	
		For LP Gas Burner, Add	*676.83*	
23 52 33 16-0004	EA	350 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,263.56	1,242.62
		For Steam System, Add	*2,755.66*	
		For LP Gas Burner, Add	*688.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0005	EA	430 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,140.58	1,366.89
		For Steam System, Add	*2,881.36*	
		For LP Gas Burner, Add	*720.34*	
23 52 33 16-0006	EA	520 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,017.59	1,491.15
		For Steam System, Add	*3,007.06*	
		For LP Gas Burner, Add	*751.77*	
23 52 33 16-0007	EA	600 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	19,523.07	1,615.41
		For Steam System, Add	*3,258.45*	
		For LP Gas Burner, Add	*814.61*	
23 52 33 16-0008	EA	680 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,493.38	1,677.54
		For Steam System, Add	*3,427.66*	
		For LP Gas Burner, Add	*856.92*	
23 52 33 16-0009	EA	770 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	21,463.69	1,739.67
		For Steam System, Add	*3,596.87*	
		For LP Gas Burner, Add	*899.22*	
23 52 33 16-0010	EA	860 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	23,259.24	1,863.94
		For Steam System, Add	*3,906.28*	
		For LP Gas Burner, Add	*976.57*	
23 52 33 16-0011	EA	1,020 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	25,054.81	1,988.19
		For Steam System, Add	*4,215.68*	
		For LP Gas Burner, Add	*1,053.92*	
23 52 33 16-0012	EA	1,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	27,292.28	2,236.72
		For Steam System, Add	*4,563.77*	
		For LP Gas Burner, Add	*1,140.94*	
23 52 33 16-0013	EA	1,440 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	29,336.37	2,485.24
		For Steam System, Add	*4,873.18*	
		For LP Gas Burner, Add	*1,218.29*	
23 52 33 16-0014	EA	1,700 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	32,292.21	2,609.51
		For Steam System, Add	*5,414.64*	
		For LP Gas Burner, Add	*1,353.66*	
23 52 33 16-0015	EA	2,050 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	34,087.76	2,733.77
		For Steam System, Add	*5,724.05*	
		For LP Gas Burner, Add	*1,431.01*	
23 52 33 16-0016	EA	2,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	36,656.87	2,858.03
		For Steam System, Add	*6,188.16*	
		For LP Gas Burner, Add	*1,547.04*	
23 52 33 16-0017	EA	2,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	40,772.99	2,982.29
		For Steam System, Add	*6,961.68*	
		For LP Gas Burner, Add	*1,740.42*	
23 52 33 16-0018	EA	2,750 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	43,783.98	3,230.81
		For Steam System, Add	*7,464.47*	
		For LP Gas Burner, Add	*1,866.12*	
23 52 33 16-0019	EA	3,100 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	46,794.98	3,479.34
		For Steam System, Add	*7,967.26*	
		For LP Gas Burner, Add	*1,991.81*	
23 52 33 16-0020	EA	3,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	49,999.34	3,727.86
		For Steam System, Add	*8,508.72*	
		For LP Gas Burner, Add	*2,127.18*	
23 52 33 16-0021	EA	4,300 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	54,093.26	3,976.39
		For Steam System, Add	*9,228.09*	
		For LP Gas Burner, Add	*2,307.02*	
23 52 33 16-0022	EA	5,160 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	56,408.07	4,224.91
		For Steam System, Add	*9,591.65*	
		For LP Gas Burner, Add	*2,397.91*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0023		**Package Oil Fired Water Tube Boiler** *(23 52 33 16)* Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.		
23 52 33 16-0024	EA	200 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,615.44	994.10
		For Steam System, Add	*2,725.45*	
23 52 33 16-0025	EA	285 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,111.74	1,118.36
		For Steam System, Add	*2,775.00*	
23 52 33 16-0026	EA	350 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,608.02	1,242.62
		For Steam System, Add	*2,824.56*	
23 52 33 16-0027	EA	430 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,496.79	1,366.89
		For Steam System, Add	*2,952.60*	
23 52 33 16-0028	EA	520 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,393.47	1,491.15
		For Steam System, Add	*3,082.24*	
23 52 33 16-0029	EA	600 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	19,930.38	1,615.41
		For Steam System, Add	*3,339.91*	
23 52 33 16-0030	EA	680 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,921.84	1,677.54
		For Steam System, Add	*3,513.35*	
23 52 33 16-0031	EA	770 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	21,913.30	1,739.67
		For Steam System, Add	*3,686.79*	
23 52 33 16-0032	EA	860 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	23,747.52	1,863.94
		For Steam System, Add	*4,003.93*	
23 52 33 16-0033	EA	1,020 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	25,581.77	1,988.19
		For Steam System, Add	*4,321.08*	
23 52 33 16-0034	EA	1,220 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	27,862.75	2,236.72
		For Steam System, Add	*4,677.86*	
23 52 33 16-0035	EA	1,440 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	29,945.52	2,485.24
		For Steam System, Add	*4,995.01*	
23 52 33 16-0036	EA	1,700 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	32,969.04	2,609.51
		For Steam System, Add	*5,550.01*	
23 52 33 16-0037	EA	2,050 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	34,803.27	2,733.77
		For Steam System, Add	*5,867.15*	
23 52 33 16-0038	EA	2,200 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	37,430.39	2,858.03
		For Steam System, Add	*6,342.86*	
23 52 33 16-0039	EA	2,450 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	41,643.20	2,982.29
		For Steam System, Add	*7,135.72*	
23 52 33 16-0040	EA	2,750 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	44,717.04	3,230.81
		For Steam System, Add	*7,651.08*	
23 52 33 16-0041	EA	3,100 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	47,790.89	3,479.34
		For Steam System, Add	*8,166.44*	
23 52 33 16-0042	EA	3,450 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	51,062.93	3,727.86
		For Steam System, Add	*8,721.44*	
23 52 33 16-0043	EA	4,300 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	56,436.06	3,976.39
		For Steam System, Add	*9,696.65*	
23 52 33 16-0044	EA	5,160 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	58,796.31	4,224.91
		For Steam System, Add	*10,069.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0045		**Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler** *(23 52 33 16)* Note: Compliant with BAAQMD.		
23 52 33 16-0046	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	90,582.53	1,911.99
23 52 33 16-0047	EA	1,750 MBH Input/1.488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	97,410.71	2,389.99
23 52 33 16-0048	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	99,192.38	2,628.98
23 52 33 16-0049	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	106,846.21	2,867.98
23 52 33 16-0050	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	110,499.29	3,226.48
23 52 33 16-0051	EA	3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	121,978.92	3,584.97
23 52 33 16-0052	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	127,110.64	3,704.47
23 52 33 16-0053		**Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler** *(23 52 33 16)* Note: Compliant with BAAQMD.		
23 52 33 16-0054	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS)	105,738.71	2,150.99
23 52 33 16-0055	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS)	111,021.95	2,509.48
23 52 33 16-0056	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS)	114,109.54	2,748.48
23 52 33 16-0057	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS)	127,633.29	2,987.48
23 52 33 16-0058	EA	3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS)	132,351.04	3,226.48
23 52 33 16-0059	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS)	141,547.54	3,584.97
23 52 33 16-0060	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS)	149,861.21	3,823.97
23 52 33 16-0061	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS)	250,463.16	4,062.97
23 52 33 16-0062	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS)	271,162.74	4,301.97
23 52 33 16-0063	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS)	285,339.46	4,540.97
23 52 33 16-0064	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS)	292,666.81	4,779.97
23 52 33 16-0065		**Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler** *(23 52 33 16)* Note: Compliant with BAAQMD.		
23 52 33 16-0066	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS)	113,891.73	2,150.99
23 52 33 16-0067	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS)	120,807.40	2,509.48
23 52 33 16-0068	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS)	125,198.66	2,748.48
23 52 33 16-0069	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS)	139,048.89	2,987.48
23 52 33 16-0070	EA	3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	143,766.64	3,226.48
23 52 33 16-0071	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	151,333.00	3,584.97
23 52 33 16-0072	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	159,966.30	3,823.97
23 52 33 16-0073	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	259,922.12	4,062.97
23 52 33 16-0074	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	282,254.14	4,301.97
23 52 33 16-0075	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	291,211.64	4,540.97
23 52 33 16-0076	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	303,758.21	4,779.97
23 52 33 16-0077	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	337,830.03	5,018.97
23 52 33 16-0078	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	488,829.57	5,257.97
23 52 33 16-0079	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	513,606.82	5,496.96
23 52 36		**Fire-Box Boiler** *(23 52)*		
23 52 36 00-0001		Package Oil Fired Firebox Boilers *(23 52 36)* Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,758.90	2,982.29
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	95,928.11	3,230.81
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	100,431.10	3,479.34
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	108,606.23	3,727.86
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	113,443.01	3,976.39
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	118,196.50	4,224.91
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	131,479.18	4,473.44
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	152,152.56	4,970.49
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	173,176.53	5,467.54
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	189,984.77	6,026.72
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	206,793.15	6,585.90
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	217,375.80	7,704.26
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	264,929.89	8,822.61
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	313,652.36	9,940.98
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	362,873.80	11,183.60
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	410,973.12	12,115.57

23 52 39 Fire-Tube Boilers *(23 52)*

23 52 39 13 Scotch Marine Boilers *(23 52 39)*

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	73,120.29	1,366.89
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,706.31	1,491.15
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,485.41	1,615.41
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,310.86	1,863.94
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,581.60	1,988.19
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	97,960.01	2,112.46
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,983.73	2,174.59
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	106,605.51	2,236.72
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,536.71	2,485.24
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,973.70	2,733.77
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	150,240.23	3,013.36
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	163,504.20	3,292.95
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,441.38	3,852.13
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,732.21	4,411.31
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	227,041.16	4,970.49
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,340.17	5,529.67
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	324,732.47	6,088.85
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	379,919.91	6,648.03
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	432,754.68	7,207.21
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	483,468.64	7,766.39
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	752,947.68	8,325.57
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	819,245.48	8,884.75

23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	67,764.82	1,366.89
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,947.74	1,491.15
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	79,226.10	1,615.41
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	86,316.40	1,863.94
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,049.67	1,988.19
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,777.12	2,112.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	97,264.87	2,174.59
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,225.30	2,236.72
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,650.21	2,485.24
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,097.22	2,733.77
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	150,377.10	3,013.36
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	163,654.42	3,292.95
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,598.28	3,852.13
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,925.83	4,411.31
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	227,248.13	4,970.49
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,587.21	5,529.67
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	325,032.92	6,088.85
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	380,273.77	6,648.03
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	433,158.62	7,207.21
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	483,922.65	7,766.39
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	753,665.37	8,325.57
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	820,030.61	8,884.75
23 52 39 13-0048		**15 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,464.28	1,366.89
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,226.72	1,491.15
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,219.48	1,615.41
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,709.25	1,863.94
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,706.24	1,988.19
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,697.41	2,112.46
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,445.55	2,174.59
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,194.54	2,236.72
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,263.74	2,485.24
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,355.04	2,733.77
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,142.34	3,013.36
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	169,923.75	3,292.95
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	179,148.03	3,852.13
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	217,937.75	4,411.31
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	235,887.65	4,970.49
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	277,815.76	5,529.67
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	337,561.56	6,088.85
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	395,009.02	6,648.03
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	450,007.02	7,207.21
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	502,790.72	7,766.39
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	783,683.04	8,325.57
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	852,716.73	8,884.75
23 52 39 13-0071		**125 PSI Water Scotch Marine Boilers** *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072		**125 PSI Gas Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,568.00	1,491.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,149.43	1,615.41
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,363.25	1,863.94
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,185.94	1,988.19
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	120,173.05	2,112.46
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,528.41	2,174.59
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,236.26	2,236.72
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,158.16	2,485.24
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,336.97	2,733.77
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,488.87	3,013.36
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,475.34	3,292.95
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,427.54	3,852.13
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	247,334.82	4,411.31
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	266,579.98	4,970.49
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	297,434.95	5,529.67
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	360,438.93	6,088.85
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	421,912.38	6,648.03
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	480,766.11	7,207.21
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	537,241.97	7,766.39
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	838,487.45	8,325.57
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	912,395.64	8,884.75
23 52 39 13-0094		125 PSI Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,185.17	1,491.15
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,965.41	1,615.41
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,814.64	1,863.94
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,889.55	1,988.19
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,955.29	2,112.46
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,778.00	2,174.59
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,131.64	2,236.72
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,295.03	2,485.24
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,483.86	2,733.77
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,645.77	3,013.36
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,638.92	3,292.95
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,624.50	3,852.13
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	247,565.16	4,411.31
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	266,827.01	4,970.49
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	297,712.03	5,529.67
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	360,776.10	6,088.85
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	422,309.64	6,648.03
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	481,220.12	7,207.21
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	537,749.40	7,766.39
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	839,291.84	8,325.57
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	913,272.28	8,884.75
23 52 39 13-0116		125 PSI Gas/Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,358.82	1,491.15
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,287.43	1,615.41
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	108,385.90	1,863.94
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,991.60	1,988.19
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,591.47	2,112.46
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,948.31	2,174.59
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	138,306.00	2,236.72
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	151,976.81	2,485.24
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	165,673.06	2,733.77
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	176,212.20	3,013.36
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	182,408.99	3,292.95
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	220,843.39	3,852.13
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	257,146.08	4,411.31
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	277,115.66	4,970.49
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	309,195.78	5,529.67
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	374,796.96	6,088.85
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	438,797.51	6,648.03
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	500,071.50	7,207.21
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	558,860.80	7,766.39
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	872,878.69	8,325.57
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	949,840.67	8,884.75
23 52 39 13-0138		**150 PSI Steam Scotch Marine Boilers** *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139		**150 PSI Gas Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,528.77	1,491.15
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,190.68	1,615.41
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,867.39	1,863.94
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,269.81	1,988.19
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,813.29	2,112.46
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,671.59	2,174.59
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	135,905.77	2,236.72
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	153,719.41	2,485.24
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	174,783.29	2,733.77
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,695.24	3,013.36
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,604.63	3,292.95
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	219,551.47	3,852.13
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,361.28	4,411.31
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	289,165.93	4,970.49
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	340,912.97	5,529.67
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	414,856.56	6,088.85
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	485,907.60	6,648.03
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	553,934.97	7,207.21
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	619,190.56	7,766.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	968,846.62	8,325.57
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,054,334.16	8,884.75
23 52 39 13-0161		**150 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,040.97	1,491.15
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,055.24	1,615.41
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,971.59	1,863.94
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,679.65	1,988.19
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,378.54	2,112.46
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,834.40	2,174.59
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	132,807.82	2,236.72
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	153,862.95	2,485.24
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	174,946.86	2,733.77
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,875.51	3,013.36
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,801.59	3,292.95
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	219,755.11	3,852.13
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,611.65	4,411.31
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	289,436.33	4,970.49
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	341,233.45	5,529.67
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	415,247.14	6,088.85
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	486,368.28	6,648.03
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	554,459.08	7,207.21
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	619,778.10	7,766.39
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	969,781.06	8,325.57
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,055,355.30	8,884.75
23 52 39 13-0183		**150 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,803.64	1,491.15
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,745.97	1,615.41
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,283.96	1,863.94
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,332.52	1,988.19
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,371.92	2,112.46
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	133,171.62	2,174.59
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,968.84	2,236.72
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,861.88	2,485.24
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	181,780.36	2,733.77
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,366.65	3,013.36
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,953.72	3,292.95
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	228,271.11	3,852.13
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	278,027.15	4,411.31
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	300,666.37	4,970.49
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	354,529.89	5,529.67
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	431,538.04	6,088.85
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	505,523.45	6,648.03
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	576,361.67	7,207.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	644,307.93	7,766.39
23 52 39 13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,008,801.15	8,325.57
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,097,843.41	8,884.75

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001 Boiler Feed System *(23 53 16)*

23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,317.37	1,493.59
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,927.45	1,759.61
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,502.57	1,821.25
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,775.98	1,888.08
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,290.21	2,017.85
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,666.08	2,186.54
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	16,523.38	2,335.78
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	18,938.51	2,660.18
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	20,827.63	2,854.83
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	22,434.44	3,049.48

23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,006.07	1,273.39
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,455.60	1,493.59
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,655.09	1,759.61
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,580.93	1,821.25
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,806.49	1,888.08
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	15,411.94	2,017.85
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	19,972.48	2,186.54
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	20,506.66	2,335.78
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	22,543.45	2,501.36
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	24,252.78	2,660.18
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	25,944.71	2,854.83
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	27,988.21	3,049.48

23 53 16 00-0026 Boiler Feedwater System *(23 53 16)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	12,533.15	1,759.61
23 53 16 00-0028	EA	2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	16,292.15	2,015.90
23 53 16 00-0029	EA	4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	21,443.20	2,307.22
23 53 16 00-0030	EA	6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	25,777.06	2,661.48
23 53 16 00-0031	EA	8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	27,362.21	2,854.83
23 53 16 00-0032	EA	11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	28,873.92	3,049.48
23 53 16 00-0033	EA	13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	32,160.95	3,503.79
23 53 16 00-0034	EA	17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	41,510.13	4,022.98
23 53 16 00-0035	EA	20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	53,797.54	4,648.46
23 53 16 00-0036	EA	27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	68,030.69	5,335.95
23 53 16 00-0037	EA	34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	87,062.05	6,139.19

23 53 16 00-0038 Duplex Vacuum Condensate Pumps *(23 53 16)*

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	34,239.73	1,038.12
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	35,015.12	1,103.01
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	35,907.89	1,167.89
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	34,681.64	1,232.77
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	47,084.23	1,297.66
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	49,561.69	1,362.54

23 54 Furnaces *(23 50)*

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces *(23 54)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,300.99	127.97
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,716.08	159.96
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,215.70	191.97
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,300.99	127.97
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,553.45	143.97
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,698.46	159.96
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,780.06	175.97
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,215.70	191.97
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	226.72	32.47
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	259.07	35.71
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	280.87	38.96
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	381.93	42.20
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	412.52	45.45
23 54 16		**Fuel-Fired Furnaces** *(23 54)*		
23 54 16 13		**Gas-Fired Furnaces** *(23 54 16)*		
23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces *(23 54 16 13)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,019.08	111.97
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,153.51	127.97
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,483.47	143.97
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,905.59	175.97
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,101.69	191.97
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,244.52	111.97
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,459.99	127.97
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,611.64	143.97
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	3,213.90	159.96
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,083.49	175.97
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,253.17	191.97
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,980.24	111.97
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,273.21	127.97
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,471.65	159.96
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,641.31	175.97
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,589.75	111.97
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,731.25	127.97
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,041.83	143.97
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,328.33	175.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,568.46	191.97
23 54 16 13-0026		**Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,804.17	111.97
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,905.15	127.97
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,125.90	143.97
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,143.52	143.97
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,339.61	159.96
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,468.77	175.97
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,619.06	191.97
23 54 16 13-0034		**Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,263.42	111.97
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,383.78	127.97
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,581.63	143.97
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,583.39	143.97
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,738.98	159.96
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,788.86	175.97
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,986.72	191.97
23 54 16 13-0042		**Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,281.03	111.97
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,389.06	127.97
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,660.89	143.97
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,828.81	159.96
23 54 16 13-0047		**75% AFUE Gas Wall/Recessed Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,146.99	95.98
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,480.76	120.04
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	1,944.43	95.98
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	2,078.59	104.04
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	2,063.03	111.97
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	2,126.81	120.04
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	2,200.92	120.04
23 54 16 13-0055		**Gas Fired Indoor Duct Furnace** *(23 54 16 13-0001)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056		**Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace** *(23 54 16 13-0055)*		
23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,830.33	249.55
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,150.80	307.14
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,570.25	441.51
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,026.76	499.10
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,693.81	575.89
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,154.23	691.06
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,871.03	921.42
23 54 16 13-0064		**Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace** *(23 54 16 13-0055)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,172.10	249.55
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,487.46	307.14
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,032.74	441.51
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,572.56	499.10
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,635.79	575.89
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,176.13	691.06
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,836.80	921.42

23 54 16 16 Oil-Fired Furnaces *(23 54 16)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 16-0001		Oil Fired Forced Air Furnaces *(23 54 16 16)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,456.94	127.97
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,687.65	175.97
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,257.74	207.96
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	4,015.27	175.97
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,058.70	207.96
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,479.81	175.97
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,130.91	207.96
23 54 19		**Furnace Accessories** *(23 54)*		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	220.99	31.99
23 54 19 00-0002	EA	1" Furnace External Filter Rack	67.12	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	592.47	

23 55 Fuel-Fired Heaters *(23 50)*

23 55 23 Gas-Fired Radiant Heaters *(23 55)*

23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters *(23 55 23)*

23 55 23 13-0001		Infrared Heaters-Radiant Energy *(23 55 23 13)* Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002		Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)* Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,030.91	129.77
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,143.20	142.74
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,220.11	142.74
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,528.21	171.29
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,541.17	171.29
23 55 23 13-0008		Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)* Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,160.49	140.77
		For Stainless Steel Housing, Add	*183.48*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,239.53	140.77
		For Stainless Steel Housing, Add	*203.24*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,329.86	140.77
		For Stainless Steel Housing, Add	*225.82*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,438.45	140.77
		For Stainless Steel Housing, Add	*252.97*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,569.04	153.57
		For Stainless Steel Housing, Add	*281.88*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,675.39	166.36
		For Stainless Steel Housing, Add	*303.56*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	2,680.69	179.17
		For Stainless Steel Housing, Add	*542.08*	
23 55 23 13-0016		Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)* Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017		"U" Package *(23 55 23 13-0016)*		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	98.47	6.49
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	113.65	7.79
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	138.82	9.08
23 55 23 13-0021		"S" Straight Package *(23 55 23 13-0016)*		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	80.07	5.19
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	101.86	6.49
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	123.63	7.79

23 55 33 Fuel-Fired Unit Heaters *(23 55)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 13		**Oil-Fired Unit Heaters** *(23 55 33)*		
23 55 33 13-0001		Oil Fired Unit Heater *(23 55 33 13)*		
23 55 33 13-0002		Horizontal Fan Propelled Oil Fired Unit Heater, 115 Voltl, 1 phase *(23 55 33 13-0001)*		
23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,403.73	597.49
		For 3 Phase, 460 Volt, Add	*671.93*	
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,880.28	657.24
		For 3 Phase, 460 Volt, Add	*718.01*	
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,397.73	716.99
		For 3 Phase, 460 Volt, Add	*769.29*	
23 55 33 16		**Gas-Fired Unit Heaters** *(23 55 33)*		
23 55 33 16-0001		Gas Fired Unit Heaters *(23 55 33 16)*		
23 55 33 16-0002		Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase *(23 55 33 16-0001)*		
		Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger		
23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,911.10	224.06
		For 90 Percent Efficiency, Add	*825.11*	
		For Stainless Steel Heat Exchanger, Add	*215.51*	
		For 30 Degree, Downward Air Deflection Hood, Add	*59.11*	
		For 60 Degree, Downward Air Deflection Hood, Add	*94.83*	
		For 90 Degree, Downward Air Deflection Hood, Add	*141.62*	
		For 3 Phase, 460 Volt, Add	*317.73*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,169.99	268.88
		For 90 Percent Efficiency, Add	*881.82*	
		For Stainless Steel Heat Exchanger, Add	*230.33*	
		For 30 Degree, Downward Air Deflection Hood, Add	*63.17*	
		For 60 Degree, Downward Air Deflection Hood, Add	*101.34*	
		For 90 Degree, Downward Air Deflection Hood, Add	*151.36*	
		For 3 Phase, 460 Volt, Add	*339.57*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,221.58	268.88
		For Blower Unit Model, Add	*254.97*	
		For 90 Percent Efficiency, Add	*899.10*	
		For Stainless Steel Heat Exchanger, Add	*234.84*	
		For 30 Degree, Downward Air Deflection Hood, Add	*64.41*	
		For 60 Degree, Downward Air Deflection Hood, Add	*103.33*	
		For 90 Degree, Downward Air Deflection Hood, Add	*154.32*	
		For 3 Phase, 460 Volt, Add	*346.22*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,505.30	313.68
		For Blower Unit Model, Add	*273.41*	
		For 90 Percent Efficiency, Add	*964.11*	
		For Stainless Steel Heat Exchanger, Add	*251.82*	
		For 30 Degree, Downward Air Deflection Hood, Add	*69.07*	
		For 60 Degree, Downward Air Deflection Hood, Add	*110.80*	
		For 90 Degree, Downward Air Deflection Hood, Add	*165.48*	
		For 3 Phase, 460 Volt, Add	*371.26*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,846.76	358.50
		For Blower Unit Model, Add	*297.33*	
		For 90 Percent Efficiency, Add	*1,048.49*	
		For Stainless Steel Heat Exchanger, Add	*273.86*	
		For 30 Degree, Downward Air Deflection Hood, Add	*75.12*	
		For 60 Degree, Downward Air Deflection Hood, Add	*120.50*	
		For 90 Degree, Downward Air Deflection Hood, Add	*179.96*	
		For 3 Phase, 460 Volt, Add	*403.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,131.04	380.90
		For Blower Unit Model, Add	*320.08*	
		For 90 Percent Efficiency, Add	*1,128.72*	
		For Stainless Steel Heat Exchanger, Add	*294.81*	
		For 30 Degree, Downward Air Deflection Hood, Add	*80.86*	
		For 60 Degree, Downward Air Deflection Hood, Add	*129.72*	
		For 90 Degree, Downward Air Deflection Hood, Add	*193.74*	
		For 3 Phase, 460 Volt, Add	*434.64*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,261.12	380.90
		For Blower Unit Model, Add	*332.44*	
		For 90 Percent Efficiency, Add	*1,172.30*	
		For Stainless Steel Heat Exchanger, Add	*306.20*	
		For 30 Degree, Downward Air Deflection Hood, Add	*83.99*	
		For 60 Degree, Downward Air Deflection Hood, Add	*134.73*	
		For 90 Degree, Downward Air Deflection Hood, Add	*201.21*	
		For 3 Phase, 460 Volt, Add	*451.42*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,379.91	380.90
		For Blower Unit Model, Add	*343.73*	
		For 90 Percent Efficiency, Add	*1,212.09*	
		For Stainless Steel Heat Exchanger, Add	*316.59*	
		For 30 Degree, Downward Air Deflection Hood, Add	*86.84*	
		For 60 Degree, Downward Air Deflection Hood, Add	*139.30*	
		For 90 Degree, Downward Air Deflection Hood, Add	*208.05*	
		For 3 Phase, 460 Volt, Add	*466.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,968.64	403.31
		For Blower Unit Model, Add	*395.40*	
		For 90 Percent Efficiency, Add	*1,394.30*	
		For Stainless Steel Heat Exchanger, Add	*364.18*	
		For 30 Degree, Downward Air Deflection Hood, Add	*99.89*	
		For 60 Degree, Downward Air Deflection Hood, Add	*160.24*	
		For 90 Degree, Downward Air Deflection Hood, Add	*239.32*	
		For 3 Phase, 460 Volt, Add	*536.91*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,476.51	403.31
		For Blower Unit Model, Add	*443.65*	
		For 90 Percent Efficiency, Add	*1,564.44*	
		For Stainless Steel Heat Exchanger, Add	*408.62*	
		For 30 Degree, Downward Air Deflection Hood, Add	*112.08*	
		For 60 Degree, Downward Air Deflection Hood, Add	*179.79*	
		For 90 Degree, Downward Air Deflection Hood, Add	*268.52*	
		For 3 Phase, 460 Volt, Add	*602.42*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,897.67	403.31
		For Blower Unit Model, Add	*483.66*	
		For 90 Percent Efficiency, Add	*1,705.53*	
		For Stainless Steel Heat Exchanger, Add	*445.47*	
		For 30 Degree, Downward Air Deflection Hood, Add	*122.19*	
		For 60 Degree, Downward Air Deflection Hood, Add	*196.01*	
		For 90 Degree, Downward Air Deflection Hood, Add	*292.74*	
		For 3 Phase, 460 Volt, Add	*656.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,073.39	448.13
		For Blower Unit Model, Add	*586.82*	
		For 90 Percent Efficiency, Add	*2,069.32*	
		For Stainless Steel Heat Exchanger, Add	*540.49*	
		For 30 Degree, Downward Air Deflection Hood, Add	*148.25*	
		For 60 Degree, Downward Air Deflection Hood, Add	*237.82*	
		For 90 Degree, Downward Air Deflection Hood, Add	*355.18*	
		For 3 Phase, 460 Volt, Add	*796.84*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,027.20	448.13
		For Blower Unit Model, Add	*677.43*	
		For 90 Percent Efficiency, Add	*2,388.84*	
		For Stainless Steel Heat Exchanger, Add	*623.95*	
		For 30 Degree, Downward Air Deflection Hood, Add	*171.14*	
		For 60 Degree, Downward Air Deflection Hood, Add	*274.54*	
		For 90 Degree, Downward Air Deflection Hood, Add	*410.03*	
		For 3 Phase, 460 Volt, Add	*919.88*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,603.97	492.93
		For Blower Unit Model, Add	*723.72*	
		For 90 Percent Efficiency, Add	*2,552.06*	
		For Stainless Steel Heat Exchanger, Add	*666.58*	
		For 30 Degree, Downward Air Deflection Hood, Add	*182.83*	
		For 60 Degree, Downward Air Deflection Hood, Add	*293.30*	
		For 90 Degree, Downward Air Deflection Hood, Add	*438.04*	
		For 3 Phase, 460 Volt, Add	*982.73*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters *(23 55 33 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	746.15	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	1,005.68	

23 57 Heat Exchangers for HVAC *(23 50)*

23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

23 57 13 00-0001 Steam Generator Heat Exchanger *(23 57 13)*

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	22,878.99	2,076.24
23 57 13 00-0003	EA	300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	30,851.14	2,206.01
23 57 13 00-0004	EA	525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	41,560.45	2,721.22

23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,662.47	324.42
		For Bronze Head And Tube Sheet, Add	*1,003.46*	
		For Copper Nickel Tubes, Add	*222.99*	
		For Double Wall Tube Bundles, Add	*334.49*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,895.79	324.42
		For Bronze Head And Tube Sheet, Add	*1,519.52*	
		For Copper Nickel Tubes, Add	*337.67*	
		For Double Wall Tube Bundles, Add	*506.51*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,873.18	454.18
		For Bronze Head And Tube Sheet, Add	*2,350.96*	
		For Copper Nickel Tubes, Add	*522.44*	
		For Double Wall Tube Bundles, Add	*783.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,261.63	454.18
		For Bronze Head And Tube Sheet, Add	*3,583.79*	
		For Copper Nickel Tubes, Add	*796.40*	
		For Double Wall Tube Bundles, Add	*1,194.60*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	12,198.21	534.64
		For Bronze Head And Tube Sheet, Add	*4,759.27*	
		For Copper Nickel Tubes, Add	*1,057.62*	
		For Double Wall Tube Bundles, Add	*1,586.42*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	16,031.08	674.61
		For Bronze Head And Tube Sheet, Add	*6,250.12*	
		For Copper Nickel Tubes, Add	*1,388.92*	
		For Double Wall Tube Bundles, Add	*2,083.37*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,795.54	1,012.54
		For Bronze Head And Tube Sheet, Add	*7,654.97*	
		For Copper Nickel Tubes, Add	*1,701.10*	
		For Double Wall Tube Bundles, Add	*2,551.66*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	29,984.72	1,012.54
		For Bronze Head And Tube Sheet, Add	*11,926.84*	
		For Copper Nickel Tubes, Add	*2,650.41*	
		For Double Wall Tube Bundles, Add	*3,975.61*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	4,198.31	324.42
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	5,583.48	324.42
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	7,444.65	389.30
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	10,106.82	421.74
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	11,059.13	421.74
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	14,413.85	454.18
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	15,193.01	454.18
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	18,785.59	519.07
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	22,984.20	583.94
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	23,849.93	583.94
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	29,528.48	683.47
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	35,641.07	751.69
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	41,147.47	819.91

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,172.17	324.42
		For Copper Nickel Tubes, Add	*273.96*	
		For Double Wall Tube Bundles, Add	*410.94*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,405.49	324.42
		For Copper Nickel Tubes, Add	*388.64*	
		For Double Wall Tube Bundles, Add	*582.96*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,574.01	454.18
		For Copper Nickel Tubes, Add	*592.52*	
		For Double Wall Tube Bundles, Add	*888.78*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,402.47	454.18
		For Copper Nickel Tubes, Add	*853.74*	
		For Double Wall Tube Bundles, Add	*1,280.61*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,640.83	519.07
		For Copper Nickel Tubes, Add	*1,051.24*	
		For Double Wall Tube Bundles, Add	*1,576.87*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,509.96	519.07
		For Copper Nickel Tubes, Add	*1,414.40*	
		For Double Wall Tube Bundles, Add	*2,121.60*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,222.39	506.27
		For Copper Nickel Tubes, Add	*1,758.44*	
		For Double Wall Tube Bundles, Add	*2,637.67*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	23,905.77	506.27
		For Copper Nickel Tubes, Add	*2,191.68*	
		For Double Wall Tube Bundles, Add	*3,287.53*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,564.54	506.27
		For Copper Nickel Tubes, Add	*2,803.32*	
		For Double Wall Tube Bundles, Add	*4,204.98*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	3,585.76	259.53
		For Copper Nickel Tubes, Add	*306.67*	
		For Double Wall Tube Bundles, Add	*460.00*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,538.22	432.51
		For Copper Nickel Tubes, Add	*867.31*	
		For Double Wall Tube Bundles, Add	*1,300.97*	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	12,851.32	564.22
		For Copper Nickel Tubes, Add	*1,172.49*	
		For Double Wall Tube Bundles, Add	*1,758.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,790.64	682.95
		For Copper Nickel Tubes, Add	*1,242.76*	
		For Double Wall Tube Bundles, Add	*1,864.13*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	16,628.30	804.08
		For Copper Nickel Tubes, Add	*1,499.42*	
		For Double Wall Tube Bundles, Add	*2,249.13*	

23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	951.41	123.02
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	1,145.99	123.02
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,564.24	153.72
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,965.57	153.72
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	2,208.80	153.72
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,235.27	159.93
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,249.46	159.93
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,472.72	172.23
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	2,659.48	184.53
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,902.98	196.83
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	3,320.53	196.83
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,734.28	209.13
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	3,807.56	221.44
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,868.47	227.53
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	5,335.54	1,191.10
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	8,292.82	1,361.20
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	11,250.28	1,531.42
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	15,073.94	1,658.92
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	18,897.98	1,786.66
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	22,677.58	2,143.99
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	27,446.52	2,304.37
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	32,034.98	2,436.35
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	42,233.17	2,748.73
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	50,044.06	2,820.82
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	62,988.27	2,892.79
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	66,214.66	2,928.89
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	69,304.49	2,964.87
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	75,085.71	3,036.85
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	80,328.88	3,109.05
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	85,656.38	3,436.96
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	89,823.49	3,513.89
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	93,405.87	3,558.62
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	96,546.22	3,668.72
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	99,099.87	3,745.63
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	101,691.25	3,848.27
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	104,189.61	3,889.66
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	106,723.78	3,954.03
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	109,576.18	4,220.69
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	112,365.01	4,448.22

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,144.19	123.02
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,182.42	123.02
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,282.15	153.72
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,320.35	153.72
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,339.46	153.72
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,382.33	159.93
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,424.38	159.93
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,529.25	172.23
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,630.31	184.53
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,769.55	196.83
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,846.00	196.83
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,985.23	209.13
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,353.84	221.44
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,576.32	227.53

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16 00-0041)*

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,263.30	612.57
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,171.57	765.70
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	10,272.68	932.19
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	13,074.80	1,071.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,440.54	1,191.10
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	16,012.17	1,339.99
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	20,691.37	1,531.42
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	26,570.73	1,531.42
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	32,807.44	1,786.66
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	36,926.13	1,914.28
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,013.92	2,006.13
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	40,111.62	2,105.24
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,245.58	2,113.40
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,325.04	2,212.85
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	45,424.54	2,304.37

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,544.40	196.60
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,619.51	209.25
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,659.61	221.32
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,692.18	227.65
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	2,096.82	287.42
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	3,985.33	431.14
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,560.49	503.00
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	5,110.24	574.86
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	6,175.65	689.83
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	7,279.31	776.05
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	8,535.02	862.29
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	12,024.54	1,149.71
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	13,565.20	1,437.14
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	14,515.98	1,724.57

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	46,914.42	2,928.89
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	48,339.41	2,964.87
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	51,428.29	3,036.85
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	54,485.13	3,109.05
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	58,685.61	3,436.96
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	62,265.98	3,513.89
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	65,766.49	3,558.62
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	69,394.58	3,668.72
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	72,978.26	3,745.63
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	78,016.59	3,848.27
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	81,543.93	3,889.66
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	83,188.31	3,954.03
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	93,370.20	4,220.69
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	103,409.61	4,448.22

23 62 Packaged Compressor and Condenser Units *(23 60)*

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,730.96	1,062.33
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	17,085.19	1,138.21
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	29,964.62	1,214.09
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	35,488.26	1,289.98
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	42,093.64	1,365.86
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	46,650.50	1,517.62
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	47,971.40	1,675.47
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	51,688.10	1,968.00
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	55,153.53	2,132.01
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	63,208.48	2,296.01
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	71,459.89	2,542.01
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	75,525.78	2,642.28
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	85,268.52	2,807.43
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	93,198.60	2,972.57

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	7,381.62	1,062.33
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	15,096.87	1,138.21
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	23,532.11	1,214.09
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,414.62	1,289.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	27,297.14	1,365.86
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	32,347.65	1,517.62
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	36,603.95	1,675.47
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	47,009.71	1,968.00
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	52,721.51	2,132.01
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	57,060.02	2,296.01
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	65,616.95	2,542.01
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	69,497.51	2,642.28
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	76,233.66	2,807.43
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	86,928.45	2,972.57

23 62 13 00-0031 Packaged Chiller With Remote Air-Cooled Condenser *(23 62 13)*

Note: With remote air-cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air-Cooled Condensers	50,697.00	9,561.97
		For Gas Fired Engine Driven, Add	*8,705.83*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air-Cooled Condensers	57,268.64	10,078.82
		For Gas Fired Engine Driven, Add	*9,942.67*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air-Cooled Condensers	66,506.54	10,968.03
		For Gas Fired Engine Driven, Add	*11,656.92*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air-Cooled Condensers	74,384.97	11,653.61
		For Gas Fired Engine Driven, Add	*13,129.83*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air-Cooled Condensers	93,055.60	12,859.13
		For Gas Fired Engine Driven, Add	*16,683.21*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air-Cooled Condensers	102,702.71	13,318.34
		For Gas Fired Engine Driven, Add	*18,543.78*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air-Cooled Condensers	111,616.33	14,342.85
		For Gas Fired Engine Driven, Add	*20,172.91*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air-Cooled Condensers	135,804.74	15,346.35
		For Gas Fired Engine Driven, Add	*24,831.40*	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air-Cooled Condensers	137,416.16	15,646.27
		For Gas Fired Engine Driven, Add	*25,137.46*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air-Cooled Condensers	139,885.24	16,326.61
		For Gas Fired Engine Driven, Add	*25,529.28*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air-Cooled Condensers	155,284.74	17,068.75
		For Gas Fired Engine Driven, Add	*28,497.92*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air-Cooled Condensers	171,873.44	17,881.58
		For Gas Fired Engine Driven, Add	*31,693.80*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air-Cooled Condensers	190,633.35	18,775.60
		For Gas Fired Engine Driven, Add	*35,311.74*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air-Cooled Condensers	206,167.56	19,763.83
		For Gas Fired Engine Driven, Add	*38,270.43*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air-Cooled Condensers	227,575.28	20,861.78
		For Gas Fired Engine Driven, Add	*42,387.35*	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 23 00-0001 Water Cooled Condensing Units *(23 62 23)*

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,459.98	830.52
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,831.10	1,212.91
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	14,690.07	1,314.49
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	18,215.63	1,577.39
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	19,678.48	1,855.83
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	41,677.46	2,740.62
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	51,725.11	3,307.69
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	71,534.06	3,619.12

23 63 Refrigerant Condensers *(23 60)*

23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*

23 63 13 00-0001 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA	6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,511.49	830.52
		For >10 To 25, Deduct	*-187.61*	
		For >25 To 50, Deduct	*-312.68*	
		For >50, Deduct	*-500.29*	
		For Low Ambient Protection, 0 Degree F, Add	*1,127.44*	
		For Winter Start Control, Add	*375.93*	
23 63 13 00-0003	EA	7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	8,998.07	985.87
		For >10 To 25, Deduct	*-225.13*	
		For >25 To 50, Deduct	*-375.22*	
		For >50, Deduct	*-600.35*	
		For Low Ambient Protection, 0 Degree F, Add	*973.78*	
		For Winter Start Control, Add	*299.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004	EA	10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,709.90	1,212.91
		For >10 To 25, Deduct	*-296.14*	
		For >25 To 50, Deduct	*-493.57*	
		For >50, Deduct	*-789.72*	
		For Low Ambient Protection, 0 Degree F, Add	*1,150.61*	
		For Winter Start Control, Add	*381.27*	
23 63 13 00-0005	EA	12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,528.32	1,261.91
		For >10 To 25, Deduct	*-378.49*	
		For >25 To 50, Deduct	*-630.82*	
		For >50, Deduct	*-1,009.31*	
		For Low Ambient Protection, 0 Degree F, Add	*1,361.14*	
		For Winter Start Control, Add	*443.53*	
23 63 13 00-0006	EA	15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	17,352.85	1,314.49
		For >10 To 25, Deduct	*-460.84*	
		For >25 To 50, Deduct	*-768.06*	
		For >50, Deduct	*-1,228.90*	
		For Low Ambient Protection, 0 Degree F, Add	*1,419.58*	
		For Winter Start Control, Add	*352.78*	
23 63 13 00-0007	EA	20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	22,384.74	1,577.39
		For >10 To 25, Deduct	*-599.84*	
		For >25 To 50, Deduct	*-999.74*	
		For >50, Deduct	*-1,599.58*	
		For Low Ambient Protection, 0 Degree F, Add	*1,797.18*	
		For Winter Start Control, Add	*438.95*	
23 63 13 00-0008	EA	25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	25,484.66	1,696.89
		For >10 To 25, Deduct	*-687.48*	
		For >25 To 50, Deduct	*-1,145.79*	
		For >50, Deduct	*-1,833.27*	
		For Low Ambient Protection, 0 Degree F, Add	*1,902.57*	
		For Winter Start Control, Add	*486.04*	
23 63 13 00-0009	EA	30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	29,243.93	1,852.24
		For >10 To 25, Deduct	*-793.24*	
		For >25 To 50, Deduct	*-1,322.07*	
		For >50, Deduct	*-2,115.31*	
		For Low Ambient Protection, 0 Degree F, Add	*2,022.70*	
		For Winter Start Control, Add	*544.67*	
23 63 13 00-0010	EA	40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	40,254.14	2,180.04
		For >10 To 25, Deduct	*-1,106.76*	
		For >25 To 50, Deduct	*-1,844.60*	
		For >50, Deduct	*-2,951.37*	
		For Low Ambient Protection, 0 Degree F, Add	*2,685.12*	
		For Winter Start Control, Add	*705.13*	
23 63 13 00-0011	EA	50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	48,862.24	2,740.62
		For >10 To 25, Deduct	*-1,339.07*	
		For >25 To 50, Deduct	*-2,231.78*	
		For >50, Deduct	*-3,570.85*	
		For Low Ambient Protection, 0 Degree F, Add	*2,842.08*	
		For Winter Start Control, Add	*645.84*	
23 63 13 00-0012	EA	60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	56,336.66	3,024.80
		For >10 To 25, Deduct	*-1,553.85*	
		For >25 To 50, Deduct	*-2,589.75*	
		For >50, Deduct	*-4,143.60*	
		For Low Ambient Protection, 0 Degree F, Add	*3,207.23*	
		For Winter Start Control, Add	*713.15*	
23 63 13 00-0013	EA	80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	73,093.28	3,307.69
		For >10 To 25, Deduct	*-2,039.77*	
		For >25 To 50, Deduct	*-3,399.61*	
		For >50, Deduct	*-5,439.38*	
		For Low Ambient Protection, 0 Degree F, Add	*3,994.96*	
		For Winter Start Control, Add	*850.07*	
23 63 13 00-0014	EA	100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	101,000.02	2,978.21
		For >10 To 25, Deduct	*-2,848.12*	
		For >25 To 50, Deduct	*-4,746.86*	
		For >50, Deduct	*-7,594.98*	
		For Low Ambient Protection, 0 Degree F, Add	*4,363.81*	
		For Winter Start Control, Add	*1,080.96*	
23 63 13 00-0015	EA	120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	124,625.08	3,079.17
		For >10 To 25, Deduct	*-3,550.70*	
		For >25 To 50, Deduct	*-5,917.84*	
		For >50, Deduct	*-9,468.54*	
		For Low Ambient Protection, 0 Degree F, Add	*5,117.77*	

23 63 13 00-0016 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63 13 00-0017	EA	1.5 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,647.17	416.22
		For >10 To 25, Deduct	*-60.69*	
		For >25 To 50, Deduct	*-101.14*	
		For >50, Deduct	*-161.83*	
		For 15 SEER, Add	*485.48*	
		For 16 SEER, Add	*829.36*	
		For 18 SEER, Add	*1,739.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0018	EA	2 Ton, 14 SEER, Air-Cooled Condensing Unit	2,845.41	462.69
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-64.55*	
		For >25 To 50, Deduct	*-107.59*	
		For >50, Deduct	*-172.14*	
		For 15 SEER, Add	*516.41*	
		For 16 SEER, Add	*882.21*	
		For 18 SEER, Add	*1,850.48*	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air-Cooled Condensing Unit	3,017.46	508.96
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-67.63*	
		For >25 To 50, Deduct	*-112.72*	
		For >50, Deduct	*-180.35*	
		For 15 SEER, Add	*541.05*	
		For 16 SEER, Add	*924.30*	
		For 18 SEER, Add	*1,938.78*	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air-Cooled Condensing Unit	3,469.11	554.95
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-79.10*	
		For >25 To 50, Deduct	*-131.83*	
		For >50, Deduct	*-210.93*	
		For 15 SEER, Add	*632.80*	
		For 16 SEER, Add	*1,081.04*	
		For 18 SEER, Add	*2,267.54*	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air-Cooled Condensing Unit	3,671.73	601.50
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-83.10*	
		For >25 To 50, Deduct	*-138.50*	
		For >50, Deduct	*-221.59*	
		For 15 SEER, Add	*664.78*	
		For 16 SEER, Add	*1,135.67*	
		For 18 SEER, Add	*2,382.14*	
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air-Cooled Condensing Unit	4,094.99	647.77
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-93.71*	
		For >25 To 50, Deduct	*-156.19*	
		For >50, Deduct	*-249.91*	
		For 15 SEER, Add	*749.72*	
		For 16 SEER, Add	*1,280.77*	
		For 18 SEER, Add	*2,686.49*	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air-Cooled Condensing Unit	4,626.28	693.69
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-107.57*	
		For >25 To 50, Deduct	*-179.29*	
		For >50, Deduct	*-286.86*	
		For 15 SEER, Add	*860.58*	
		For 16 SEER, Add	*1,470.15*	
		For 18 SEER, Add	*3,083.74*	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit	426.58
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit	1,599.69
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit	2,510.49

23 63 23 Water-Cooled Refrigerant Condensers *(23 63)*

23 63 23 00-0001 Water Cooled Condensers *(23 63 23)*

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA	15 Ton Water Cooled Condenser, Shell And Tube Type	22,690.11	451.84
		For Saddle Legs, Add	*1,749.41*	
23 63 23 00-0003	EA	20 Ton Water Cooled Condenser, Shell And Tube Type	29,467.04	607.05
		For Saddle Legs, Add	*2,269.51*	
23 63 23 00-0004	EA	25 Ton Water Cooled Condenser, Shell And Tube Type	38,617.99	758.81
		For Saddle Legs, Add	*2,978.73*	
		For Dual Compressor, Add	*1,873.41*	
23 63 23 00-0005	EA	30 Ton Water Cooled Condenser, Shell And Tube Type	40,332.67	923.22
		For Saddle Legs, Add	*3,095.18*	
		For Dual Compressor, Add	*1,946.65*	
23 63 23 00-0006	EA	40 Ton Water Cooled Condenser, Shell And Tube Type	48,056.58	1,180.76
		For Saddle Legs, Add	*3,678.32*	
		For Dual Compressor, Add	*2,313.41*	
23 63 23 00-0007	EA	50 Ton Water Cooled Condenser, Shell And Tube Type	54,930.77	1,327.92
		For Saddle Legs, Add	*4,207.04*	
		For Dual Compressor, Add	*2,645.94*	
23 63 23 00-0008	EA	60 Ton Water Cooled Condenser, Shell And Tube Type	67,004.36	1,517.62
		For Saddle Legs, Add	*5,144.04*	
		For Dual Compressor, Add	*3,235.25*	
23 63 23 00-0009	EA	75 Ton Water Cooled Condenser, Shell And Tube Type	82,883.86	1,770.55
		For Saddle Legs, Add	*6,376.00*	
		For Dual Compressor, Add	*4,010.06*	
23 63 23 00-0010	EA	100 Ton Water Cooled Condenser, Shell And Tube Type	134,087.10	2,284.48
		For Saddle Legs, Add	*10,384.85*	
		For Dual Compressor, Add	*6,531.35*	
23 63 23 00-0011	EA	120 Ton Water Cooled Condenser, Shell And Tube Type	153,708.16	2,503.73
		For Saddle Legs, Add	*11,918.21*	
		For Dual Compressor, Add	*7,495.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 23 00-0012	EA	150 Ton Water Cooled Condenser, Shell And Tube Type	182,972.95	2,723.66
		For Saddle Legs, Add	*14,218.24*	
		For Dual Compressor, Add	*8,942.29*	

23 64 Packaged Water Chillers *(23 60)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers *(23 64)*

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)*

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	219,052.08	13,045.50
		For Two Stage Unit, Add	*142,900.06*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	276,424.72	15,012.98
		For Two Stage Unit, Add	*181,486.93*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	350,116.17	16,138.94
		For Two Stage Unit, Add	*232,170.16*	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	388,817.44	17,264.92
		For Two Stage Unit, Add	*258,360.28*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	434,043.53	17,765.35
		For Two Stage Unit, Add	*289,618.19*	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	488,753.64	18,390.89
		For Two Stage Unit, Add	*327,414.83*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	524,024.11	19,016.43
		For Two Stage Unit, Add	*351,603.73*	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	623,224.08	20,017.30
		For Two Stage Unit, Add	*420,243.02*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	697,373.85	20,642.84
		For Two Stage Unit, Add	*471,647.42*	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	844,422.32	21,268.38
		For Two Stage Unit, Add	*574,080.92*	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	915,463.66	22,769.67
		For Two Stage Unit, Add	*622,608.83*	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	981,394.92	24,145.86
		For Two Stage Unit, Add	*667,659.75*	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,052,094.46	25,476.26
		For Two Stage Unit, Add	*716,085.12*	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,204,118.79	26,097.63
		For Two Stage Unit, Add	*821,955.33*	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,318,755.06	27,588.93
		For Two Stage Unit, Add	*901,057.41*	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,539,936.64	28,831.66
		For Two Stage Unit, Add	*1,054,890.30*	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,799,737.78	29,701.59
		For Two Stage Unit, Add	*1,236,055.19*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 13 Air-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 13-0001 Magnetic Bearing, Air-Cooled Centrifugal Chillers *(23 64 16 13)*

Note: SMARDT air-cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

23 64 16 13-0002	EA	85 Ton, Single Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	246,783.01	6,931.50
		For 5 Year Parts Only Compressor Warranty, Add	*6,849.00*	
23 64 16 13-0003	EA	175 Ton, Two Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	350,234.91	9,294.90
		For 5 Year Parts Only Compressor Warranty, Add	*13,698.00*	
23 64 16 13-0004	EA	240 Ton, Three Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	437,889.64	9,830.12
		For 5 Year Parts Only Compressor Warranty, Add	*20,547.00*	

23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	166,663.39	7,138.04
		For 208/230 Voltage Motor Rating, Add	*6,207.89*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	182,171.21	7,318.82
		For 208/230 Voltage Motor Rating, Add	*6,816.44*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	200,913.03	7,504.86
		For 208/230 Voltage Motor Rating, Add	*7,554.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	219,208.79	7,805.75
		For 208/230 Voltage Motor Rating, Add	*8,266.80*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	237,095.12	8,246.50
		For 208/230 Voltage Motor Rating, Add	*8,953.94*	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	254,327.73	8,675.25
		For 208/230 Voltage Motor Rating, Add	*9,615.70*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	270,999.76	9,150.91
		For 208/230 Voltage Motor Rating, Add	*10,252.01*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	287,000.27	9,602.17
		For 208/230 Voltage Motor Rating, Add	*10,863.04*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	302,300.83	10,013.65
		For 208/230 Voltage Motor Rating, Add	*11,448.62*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	316,828.07	10,338.56
		For 208/230 Voltage Motor Rating, Add	*12,008.83*	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	331,021.80	10,850.75
		For 208/230 Voltage Motor Rating, Add	*12,543.68*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	344,431.21	11,269.36
		For 208/230 Voltage Motor Rating, Add	*13,053.15*	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	357,197.62	11,682.59
		For 208/230 Voltage Motor Rating, Add	*13,537.26*	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	369,180.20	12,002.62
		For 208/230 Voltage Motor Rating, Add	*13,995.99*	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	390,896.24	12,428.24
		For 208/230 Voltage Motor Rating, Add	*14,837.29*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	409,825.72	12,698.47
		For 208/230 Voltage Motor Rating, Add	*15,577.11*	
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	426,790.73	13,326.14
		For 208/230 Voltage Motor Rating, Add	*16,215.38*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	441,234.01	13,963.32
		For 208/230 Voltage Motor Rating, Add	*16,752.17*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	453,246.94	14,664.30
		For 208/230 Voltage Motor Rating, Add	*17,187.64*	
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	481,423.92	15,371.78
		For 208/230 Voltage Motor Rating, Add	*18,269.26*	
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	509,401.97	16,077.02
		For 208/230 Voltage Motor Rating, Add	*19,343.08*	
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	537,290.03	16,849.93
		For 208/230 Voltage Motor Rating, Add	*20,408.93*	
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	565,102.73	17,700.92
		For 208/230 Voltage Motor Rating, Add	*21,466.76*	
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	592,187.53	18,420.20
		For 208/230 Voltage Motor Rating, Add	*22,516.56*	
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	642,525.48	21,254.16
		For 208/230 Voltage Motor Rating, Add	*24,349.93*	
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	690,977.64	24,096.19
		For 208/230 Voltage Motor Rating, Add	*26,107.35*	
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	736,669.08	26,398.37
		For 208/230 Voltage Motor Rating, Add	*27,788.66*	
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	779,051.70	27,815.84
		For 208/230 Voltage Motor Rating, Add	*29,393.87*	
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	819,452.68	29,186.96
		For 208/230 Voltage Motor Rating, Add	*30,922.74*	
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	857,135.13	30,033.03
		For 208/230 Voltage Motor Rating, Add	*32,376.26*	
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	894,894.72	32,128.29
		For 208/230 Voltage Motor Rating, Add	*33,753.45*	
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	929,912.42	33,695.52
		For 208/230 Voltage Motor Rating, Add	*35,054.53*	
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	963,768.24	35,728.90
		For 208/230 Voltage Motor Rating, Add	*36,279.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	994,521.61	37,004.95
		For 208/230 Voltage Motor Rating, Add	*37,428.53*	
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,059,085.68	39,099.60
		For 208/230 Voltage Motor Rating, Add	*39,968.32*	
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,116,685.16	41,445.53
		For 208/230 Voltage Motor Rating, Add	*42,032.79*	

23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: SMARDT water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.

23 64 16 16-0039	EA	60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	155,485.06	6,005.19
		For 5 Year Parts Only Compressor Warranty, Add	*6,849.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0040	EA	130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	195,748.14	6,979.78
		For 5 Year Parts Only Compressor Warranty, Add	*6,849.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0041	EA	125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	245,112.91	7,138.04
		For 5 Year Parts Only Compressor Warranty, Add	*13,698.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0042	EA	240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	319,148.19	8,246.50
		For 5 Year Parts Only Compressor Warranty, Add	*13,698.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0043	EA	210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	321,583.81	7,805.75
		For 5 Year Parts Only Compressor Warranty, Add	*20,547.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0044	EA	355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	482,384.93	10,338.56
		For 5 Year Parts Only Compressor Warranty, Add	*20,547.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0045	EA	299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	427,396.21	9,602.17
		For 5 Year Parts Only Compressor Warranty, Add	*25,113.00*	
		For Marine Water Box Connections, Add	*6,207.63*	
23 64 16 16-0046	EA	540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	593,789.26	12,428.24
		For 5 Year Parts Only Compressor Warranty, Add	*25,113.00*	
		For Marine Water Box Connections, Add	*6,207.63*	
23 64 16 16-0047	EA	425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	531,887.99	10,850.75
		For 5 Year Parts Only Compressor Warranty, Add	*29,679.00*	
		For Marine Water Box Connections, Add	*6,207.63*	
23 64 16 16-0048	EA	650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	711,822.07	13,326.14
		For 5 Year Parts Only Compressor Warranty, Add	*29,679.00*	
		For Marine Water Box Connections, Add	*6,207.63*	
23 64 16 16-0049	EA	510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	633,279.51	12,002.62
		For 5 Year Parts Only Compressor Warranty, Add	*34,245.00*	
		For Marine Water Box Connections, Add	*6,525.97*	
23 64 16 16-0050	EA	800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	815,934.53	15,371.78
		For 5 Year Parts Only Compressor Warranty, Add	*34,245.00*	
		For Marine Water Box Connections, Add	*6,525.97*	

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 13-0001 Packaged Air-Cooled Scroll Water Chillers *(23 64 23 13)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air-Cooled Scroll Water Chiller	31,832.55	1,888.30
23 64 23 13-0003	EA	15 Ton Packaged Air-Cooled Scroll Water Chiller	46,701.79	1,912.51
23 64 23 13-0004	EA	18 Ton Packaged Air-Cooled Scroll Water Chiller	50,972.75	2,045.66
23 64 23 13-0005	EA	22 Ton Packaged Air-Cooled Scroll Water Chiller	56,084.74	2,190.91
23 64 23 13-0006	EA	25 Ton Packaged Air-Cooled Scroll Water Chiller	56,988.24	2,336.17
23 64 23 13-0007	EA	30 Ton Packaged Air-Cooled Scroll Water Chiller	60,128.15	2,505.63
23 64 23 13-0008	EA	40 Ton Packaged Air-Cooled Scroll Water Chiller	68,768.38	2,711.41
23 64 23 13-0009	EA	45 Ton Packaged Air-Cooled Scroll Water Chiller	73,851.18	2,941.40
23 64 23 13-0010	EA	50 Ton Packaged Air-Cooled Scroll Water Chiller	77,992.54	3,026.13
23 64 23 13-0011	EA	55 Ton Packaged Air-Cooled Scroll Water Chiller	81,458.75	3,159.28
23 64 23 13-0012	EA	60 Ton Packaged Air-Cooled Scroll Water Chiller	84,194.43	3,268.21
23 64 23 13-0013	EA	70 Ton Packaged Air-Cooled Scroll Water Chiller	97,144.62	3,679.77
23 64 23 13-0014	EA	80 Ton Packaged Air-Cooled Scroll Water Chiller	104,559.24	4,030.80
23 64 23 13-0015	EA	90 Ton Packaged Air-Cooled Scroll Water Chiller	106,471.64	4,042.91
23 64 23 13-0016	EA	100 Ton Packaged Air-Cooled Scroll Water Chiller	112,679.60	4,055.00
23 64 23 13-0017	EA	110 Ton Packaged Air-Cooled Scroll Water Chiller	118,724.17	4,067.11
23 64 23 13-0018	EA	120 Ton Packaged Air-Cooled Scroll Water Chiller	124,843.90	4,079.22
23 64 23 13-0019	EA	130 Ton Packaged Air-Cooled Scroll Water Chiller	131,277.17	4,091.32

23 64 23 16 Water-Cooled Scroll Water Chillers *(23 64 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers *(23 64 23 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	39,234.46	2,314.72
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	45,175.80	2,384.65
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	50,120.25	2,617.85
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	61,618.36	3,329.58
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	68,169.48	3,648.89
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	71,611.73	4,031.56

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 13-0001 Packaged Air-Cooled Rotary-Screw Water Chillers *(23 64 26 13)*

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	112,353.29	4,636.02
		For Aluminum Fins Instead Of Copper, Deduct	*-1,581.08*	
		For 208/230 Voltage Motor Rating, Add	*4,216.21*	
23 64 26 13-0003	EA	80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	120,751.26	5,035.47
		For Aluminum Fins Instead Of Copper, Deduct	*-1,698.15*	
		For 208/230 Voltage Motor Rating, Add	*4,528.41*	
23 64 26 13-0004	EA	90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	127,020.45	5,253.35
		For Aluminum Fins Instead Of Copper, Deduct	*-1,787.11*	
		For 208/230 Voltage Motor Rating, Add	*4,765.62*	
23 64 26 13-0005	EA	100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	131,716.27	5,652.80
		For Aluminum Fins Instead Of Copper, Deduct	*-1,848.65*	
		For 208/230 Voltage Motor Rating, Add	*4,929.72*	
23 64 26 13-0006	EA	110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	141,359.70	5,931.21
		For Aluminum Fins Instead Of Copper, Deduct	*-1,987.13*	
		For 208/230 Voltage Motor Rating, Add	*5,299.00*	
23 64 26 13-0007	EA	120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	150,217.69	6,052.25
		For Aluminum Fins Instead Of Copper, Deduct	*-2,117.09*	
		For 208/230 Voltage Motor Rating, Add	*5,645.57*	
23 64 26 13-0008	EA	130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	158,570.03	6,258.02
		For Aluminum Fins Instead Of Copper, Deduct	*-2,237.84*	
		For 208/230 Voltage Motor Rating, Add	*5,967.56*	
23 64 26 13-0009	EA	140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	163,640.66	6,391.18
		For Aluminum Fins Instead Of Copper, Deduct	*-2,310.81*	
		For 208/230 Voltage Motor Rating, Add	*6,162.16*	
23 64 26 13-0010	EA	160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	172,793.73	6,524.33
		For Aluminum Fins Instead Of Copper, Deduct	*-2,445.02*	
		For 208/230 Voltage Motor Rating, Add	*6,520.05*	
23 64 26 13-0011	EA	170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	180,365.26	6,730.10
		For Aluminum Fins Instead Of Copper, Deduct	*-2,554.05*	
		For 208/230 Voltage Motor Rating, Add	*6,810.80*	
23 64 26 13-0012	EA	180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	190,194.42	6,996.40
		For Aluminum Fins Instead Of Copper, Deduct	*-2,695.50*	
		For 208/230 Voltage Motor Rating, Add	*7,187.99*	
23 64 26 13-0013	EA	200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	198,808.30	7,141.65
		For Aluminum Fins Instead Of Copper, Deduct	*-2,821.62*	
		For 208/230 Voltage Motor Rating, Add	*7,524.32*	
23 64 26 13-0014	EA	215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	213,110.06	7,262.70
		For Aluminum Fins Instead Of Copper, Deduct	*-3,033.24*	
		For 208/230 Voltage Motor Rating, Add	*8,088.64*	
23 64 26 13-0015	EA	225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	222,612.29	7,335.33
		For Aluminum Fins Instead Of Copper, Deduct	*-3,174.32*	
		For 208/230 Voltage Motor Rating, Add	*8,464.86*	
23 64 26 13-0016	EA	240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	232,114.53	7,395.85
		For Aluminum Fins Instead Of Copper, Deduct	*-3,315.40*	
		For 208/230 Voltage Motor Rating, Add	*8,841.07*	
23 64 26 13-0017	EA	260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	260,548.59	7,541.10
		For Aluminum Fins Instead Of Copper, Deduct	*-3,738.64*	
		For 208/230 Voltage Motor Rating, Add	*9,969.72*	
23 64 26 13-0018	EA	280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	274,862.47	7,686.36
		For Aluminum Fins Instead Of Copper, Deduct	*-3,950.27*	
		For 208/230 Voltage Motor Rating, Add	*10,534.04*	
23 64 26 13-0019	EA	300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	293,866.93	7,807.41
		For Aluminum Fins Instead Of Copper, Deduct	*-4,232.43*	
		For 208/230 Voltage Motor Rating, Add	*11,286.48*	
23 64 26 13-0020	EA	325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	322,276.80	7,940.55
		For Aluminum Fins Instead Of Copper, Deduct	*-4,655.67*	
		For 208/230 Voltage Motor Rating, Add	*12,415.12*	
23 64 26 13-0021	EA	350 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	351,334.37	8,037.39
		For Aluminum Fins Instead Of Copper, Deduct	*-5,089.17*	
		For 208/230 Voltage Motor Rating, Add	*13,571.13*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 16-0001		**Packaged Water Cooled Helical Rotary Water Chillers** *(23 64 26 16)* Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.		
23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	74,044.53	5,629.86
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	80,345.44	5,848.81
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	85,820.13	6,005.19
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	90,592.14	6,258.53
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	95,327.31	6,430.55
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	101,093.81	6,611.09
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	136,311.05	6,795.87
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	141,508.56	6,979.78
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	145,401.54	7,152.56
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	146,885.28	7,510.24
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	145,860.49	7,872.43
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	154,311.53	8,040.95
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	167,681.82	8,216.85
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	178,144.46	8,592.93
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	188,042.56	8,940.73
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	199,561.71	9,294.90
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	219,075.39	10,118.74
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	235,063.66	11,129.61
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	247,544.72	12,243.08

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 16-0001 **Closed-Circuit, Forced-Draft Cooling Towers** *(23 65 13 16)*

23 65 13 16-0002		**Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers** *(23 65 13 16-0001)* Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.		
23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	19,994.70	2,009.34
		For Stainless Steel Cooling Tower, Add	*10,188.41*	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	27,516.93	2,457.22
		For Stainless Steel Cooling Tower, Add	*14,309.56*	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	34,535.95	3,086.65
		For Stainless Steel Cooling Tower, Add	*17,743.86*	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	39,814.13	3,449.78
		For Stainless Steel Cooling Tower, Add	*20,562.16*	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	45,495.02	3,885.55
		For Stainless Steel Cooling Tower, Add	*23,549.45*	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	51,151.62	4,357.62
		For Stainless Steel Cooling Tower, Add	*26,493.13*	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	57,401.79	4,853.90
		For Stainless Steel Cooling Tower, Add	*29,763.89*	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	62,755.37	5,471.23
		For Stainless Steel Cooling Tower, Add	*32,380.50*	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	68,387.58	6,076.46
		For Stainless Steel Cooling Tower, Add	*35,171.54*	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	74,964.04	7,190.08
		For Stainless Steel Cooling Tower, Add	*38,049.81*	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	81,492.46	7,964.76
		For Stainless Steel Cooling Tower, Add	*41,211.54*	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	85,877.12	8,473.15
		For Stainless Steel Cooling Tower, Add	*43,392.05*	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	91,006.70	8,969.44
		For Stainless Steel Cooling Tower, Add	*45,954.14*	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	95,978.92	9,405.19
		For Stainless Steel Cooling Tower, Add	*48,516.23*	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	101,665.86	9,840.96
		For Stainless Steel Cooling Tower, Add	*51,514.43*	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	107,703.98	10,373.56
		For Stainless Steel Cooling Tower, Add	*54,621.65*	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	114,547.68	10,906.15
		For Stainless Steel Cooling Tower, Add	*58,219.48*	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	121,191.59	11,366.12
		For Stainless Steel Cooling Tower, Add	*61,762.80*	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	127,847.59	11,826.10
		For Stainless Steel Cooling Tower, Add	*65,306.12*	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	140,445.46	12,322.38
		For Stainless Steel Cooling Tower, Add	*72,392.76*	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	154,133.57	12,806.56
		For Stainless Steel Cooling Tower, Add	*80,133.55*	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	159,681.67	13,072.86
		For Stainless Steel Cooling Tower, Add	*83,404.31*	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	166,320.02	13,242.33
		For Stainless Steel Cooling Tower, Add	*87,329.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	174,108.44	13,920.18
		For Stainless Steel Cooling Tower, Add	*91,363.15*	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	183,168.83	14,598.02
		For Stainless Steel Cooling Tower, Add	*96,160.27*	
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	192,326.04	15,336.40
		For Stainless Steel Cooling Tower, Add	*100,957.37*	
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	202,936.92	16,074.77
		For Stainless Steel Cooling Tower, Add	*106,626.68*	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	213,898.99	16,922.09
		For Stainless Steel Cooling Tower, Add	*112,405.03*	
23 65 13 16-0031	EA	1,000 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	226,302.59	17,769.41
		For Stainless Steel Cooling Tower, Add	*119,055.56*	

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers *(23 65 14 13)*

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	10,237.70	1,355.71
		For Polymer Coating Over Galvanized Components, Add	*1,230.62*	
		For Stainless Steel Support Structure, Add	*2,461.25*	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	12,124.32	1,464.64
		For Polymer Coating Over Galvanized Components, Add	*1,488.20*	
		For Stainless Steel Support Structure, Add	*2,976.39*	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	14,489.35	1,646.21
		For Polymer Coating Over Galvanized Components, Add	*1,803.00*	
		For Stainless Steel Support Structure, Add	*3,606.01*	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	16,079.10	1,815.68
		For Polymer Coating Over Galvanized Components, Add	*2,003.34*	
		For Stainless Steel Support Structure, Add	*4,006.68*	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	19,040.73	2,009.34
		For Polymer Coating Over Galvanized Components, Add	*2,404.01*	
		For Stainless Steel Support Structure, Add	*4,808.01*	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	22,141.33	2,166.70
		For Polymer Coating Over Galvanized Components, Add	*2,834.60*	
		For Stainless Steel Support Structure, Add	*5,669.20*	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	25,418.20	2,457.22
		For Polymer Coating Over Galvanized Components, Add	*3,262.58*	
		For Stainless Steel Support Structure, Add	*6,525.16*	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	31,674.03	3,086.65
		For Polymer Coating Over Galvanized Components, Add	*4,006.68*	
		For Stainless Steel Support Structure, Add	*8,013.35*	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	34,544.57	3,449.78
		For Polymer Coating Over Galvanized Components, Add	*4,350.11*	
		For Stainless Steel Support Structure, Add	*8,700.21*	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	52,649.18	3,885.55
		For Polymer Coating Over Galvanized Components, Add	*6,960.49*	
		For Stainless Steel Support Structure, Add	*13,920.98*	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	63,720.72	4,853.90
		For Polymer Coating Over Galvanized Components, Add	*8,388.81*	
		For Stainless Steel Support Structure, Add	*16,777.63*	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	82,571.45	7,964.76
		For Polymer Coating Over Galvanized Components, Add	*10,464.73*	
		For Stainless Steel Support Structure, Add	*20,929.47*	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	31,674.03	3,086.65
		For Polymer Coating Over Galvanized Components, Add	*4,006.68*	
		For Stainless Steel Support Structure, Add	*8,013.35*	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	42,178.83	3,885.55
		For Polymer Coating Over Galvanized Components, Add	*5,389.94*	
		For Stainless Steel Support Structure, Add	*10,779.87*	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	53,585.90	4,853.90
		For Polymer Coating Over Galvanized Components, Add	*6,868.59*	
		For Stainless Steel Support Structure, Add	*13,737.18*	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	63,608.64	6,076.46
		For Polymer Coating Over Galvanized Components, Add	*8,076.05*	
		For Stainless Steel Support Structure, Add	*16,152.09*	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	75,650.53	7,964.76
		For Polymer Coating Over Galvanized Components, Add	*9,426.60*	
		For Stainless Steel Support Structure, Add	*18,853.19*	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	84,328.91	8,969.44
		For Polymer Coating Over Galvanized Components, Add	*10,486.87*	
		For Stainless Steel Support Structure, Add	*20,973.73*	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	94,034.09	9,840.96
		For Polymer Coating Over Galvanized Components, Add	*11,733.84*	
		For Stainless Steel Support Structure, Add	*23,467.68*	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	106,552.49	10,906.15
		For Polymer Coating Over Galvanized Components, Add	*13,355.59*	
		For Stainless Steel Support Structure, Add	*26,711.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	120,124.97	11,826.10
		For Polymer Coating Over Galvanized Components, Add	*15,168.14*	
		For Stainless Steel Support Structure, Add	*30,336.27*	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	128,634.39	12,467.63
		For Polymer Coating Over Galvanized Components, Add	*16,326.53*	
		For Stainless Steel Support Structure, Add	*32,653.06*	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	137,828.85	12,806.56
		For Polymer Coating Over Galvanized Components, Add	*17,587.68*	
		For Stainless Steel Support Structure, Add	*35,175.36*	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	156,235.18	13,242.33
		For Polymer Coating Over Galvanized Components, Add	*20,319.58*	
		For Stainless Steel Support Structure, Add	*40,639.16*	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	171,357.76	14,598.02
		For Polymer Coating Over Galvanized Components, Add	*22,268.41*	
		For Stainless Steel Support Structure, Add	*44,536.81*	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	189,308.77	16,074.77
		For Polymer Coating Over Galvanized Components, Add	*24,612.45*	
		For Stainless Steel Support Structure, Add	*49,224.90*	

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers *(23 65 14)*

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)*

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,543.69	1,355.71
		For Polymer Coating Over Galvanized Components, Add	*976.52*	
		For Stainless Steel Support Structure, Add	*1,953.04*	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,210.54	1,379.91
		For Polymer Coating Over Galvanized Components, Add	*1,072.92*	
		For Stainless Steel Support Structure, Add	*2,145.83*	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,018.89	1,500.96
		For Polymer Coating Over Galvanized Components, Add	*1,165.12*	
		For Stainless Steel Support Structure, Add	*2,330.24*	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	11,692.51	1,573.59
		For Polymer Coating Over Galvanized Components, Add	*1,399.82*	
		For Stainless Steel Support Structure, Add	*2,799.64*	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,226.41	1,646.21
		For Polymer Coating Over Galvanized Components, Add	*1,613.56*	
		For Stainless Steel Support Structure, Add	*3,227.13*	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	14,728.65	1,730.94
		For Polymer Coating Over Galvanized Components, Add	*1,818.93*	
		For Stainless Steel Support Structure, Add	*3,637.85*	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,107.01	1,815.68
		For Polymer Coating Over Galvanized Components, Add	*2,007.53*	
		For Stainless Steel Support Structure, Add	*4,015.05*	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	17,637.19	1,912.51
		For Polymer Coating Over Galvanized Components, Add	*2,217.08*	
		For Stainless Steel Support Structure, Add	*4,434.16*	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	19,135.69	2,009.34
		For Polymer Coating Over Galvanized Components, Add	*2,418.25*	
		For Stainless Steel Support Structure, Add	*4,836.50*	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	22,075.91	2,166.70
		For Polymer Coating Over Galvanized Components, Add	*2,824.79*	
		For Stainless Steel Support Structure, Add	*5,649.57*	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	25,263.85	2,336.17
		For Polymer Coating Over Galvanized Components, Add	*3,264.85*	
		For Stainless Steel Support Structure, Add	*6,529.70*	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	26,746.51	2,457.22
		For Polymer Coating Over Galvanized Components, Add	*3,461.83*	
		For Stainless Steel Support Structure, Add	*6,923.66*	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	28,374.44	2,662.99
		For Polymer Coating Over Galvanized Components, Add	*3,658.81*	
		For Stainless Steel Support Structure, Add	*7,317.62*	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,583.24	2,868.77
		For Polymer Coating Over Galvanized Components, Add	*3,792.92*	
		For Stainless Steel Support Structure, Add	*7,585.85*	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	31,841.61	3,086.65
		For Polymer Coating Over Galvanized Components, Add	*4,031.81*	
		For Stainless Steel Support Structure, Add	*8,063.63*	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	33,177.01	3,449.78
		For Polymer Coating Over Galvanized Components, Add	*4,144.97*	
		For Stainless Steel Support Structure, Add	*8,289.95*	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	38,517.21	3,885.55
		For Polymer Coating Over Galvanized Components, Add	*4,840.69*	
		For Stainless Steel Support Structure, Add	*9,681.38*	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	42,564.66	4,357.62
		For Polymer Coating Over Galvanized Components, Add	*5,335.24*	
		For Stainless Steel Support Structure, Add	*10,670.48*	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	44,844.40	4,853.90
		For Polymer Coating Over Galvanized Components, Add	*5,557.37*	
		For Stainless Steel Support Structure, Add	*11,114.73*	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	51,816.24	5,471.23
		For Polymer Coating Over Galvanized Components, Add	*6,454.26*	
		For Stainless Steel Support Structure, Add	*12,908.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	56,820.14	6,076.46
		For Polymer Coating Over Galvanized Components, Add	*7,057.77*	
		For Stainless Steel Support Structure, Add	*14,115.54*	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	60,862.67	7,190.08
		For Polymer Coating Over Galvanized Components, Add	*7,397.25*	
		For Stainless Steel Support Structure, Add	*14,794.49*	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	65,697.93	7,964.76
		For Polymer Coating Over Galvanized Components, Add	*7,933.71*	
		For Stainless Steel Support Structure, Add	*15,867.41*	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	75,075.30	8,969.44
		For Polymer Coating Over Galvanized Components, Add	*9,098.82*	
		For Stainless Steel Support Structure, Add	*18,197.65*	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	82,753.92	9,840.96
		For Polymer Coating Over Galvanized Components, Add	*10,041.82*	
		For Stainless Steel Support Structure, Add	*20,083.63*	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	91,473.71	10,906.15
		For Polymer Coating Over Galvanized Components, Add	*11,093.78*	
		For Stainless Steel Support Structure, Add	*22,187.55*	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	99,668.28	11,826.10
		For Polymer Coating Over Galvanized Components, Add	*12,099.63*	
		For Stainless Steel Support Structure, Add	*24,199.27*	
23 65 14 14-0029	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	113,815.10	12,806.56
		For Polymer Coating Over Galvanized Components, Add	*13,985.62*	
		For Stainless Steel Support Structure, Add	*27,971.24*	
23 65 14 14-0030	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	127,448.15	13,242.33
		For Polymer Coating Over Galvanized Components, Add	*16,001.52*	
		For Stainless Steel Support Structure, Add	*32,003.05*	
23 65 14 14-0031	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	142,431.18	14,598.02
		For Polymer Coating Over Galvanized Components, Add	*17,929.42*	
		For Stainless Steel Support Structure, Add	*35,858.84*	
23 65 14 14-0032	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	156,993.18	16,074.77
		For Polymer Coating Over Galvanized Components, Add	*19,765.11*	
		For Stainless Steel Support Structure, Add	*39,530.22*	
23 65 14 14-0033	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	171,295.24	17,769.41
		For Polymer Coating Over Galvanized Components, Add	*21,512.79*	
		For Stainless Steel Support Structure, Add	*43,025.58*	
23 65 14 14-0034	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	187,363.48	18,628.83
		For Polymer Coating Over Galvanized Components, Add	*23,721.48*	
		For Stainless Steel Support Structure, Add	*47,442.97*	
23 65 14 14-0035	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	202,856.18	19,427.73
		For Polymer Coating Over Galvanized Components, Add	*25,854.74*	
		For Stainless Steel Support Structure, Add	*51,709.48*	
23 65 14 14-0036	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	215,836.67	21,098.14
		For Polymer Coating Over Galvanized Components, Add	*27,409.63*	
		For Stainless Steel Support Structure, Add	*54,819.26*	
23 65 14 14-0037	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	228,424.09	22,889.61
		For Polymer Coating Over Galvanized Components, Add	*28,876.51*	
		For Stainless Steel Support Structure, Add	*57,753.01*	
23 65 14 14-0038	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	240,582.13	24,777.90
		For Polymer Coating Over Galvanized Components, Add	*30,255.37*	
		For Stainless Steel Support Structure, Add	*60,510.74*	
23 65 14 14-0039	EA	1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	251,794.92	26,484.65
		For Polymer Coating Over Galvanized Components, Add	*31,537.84*	
		For Stainless Steel Support Structure, Add	*63,075.68*	
23 65 14 14-0040	EA	1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	262,792.45	28,433.46
		For Polymer Coating Over Galvanized Components, Add	*32,728.10*	
		For Stainless Steel Support Structure, Add	*65,456.21*	
23 65 14 14-0041	EA	1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	273,687.38	30,684.92
		For Polymer Coating Over Galvanized Components, Add	*33,830.36*	
		For Stainless Steel Support Structure, Add	*67,660.72*	
23 65 14 14-0042	EA	1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	283,927.66	32,936.34
		For Polymer Coating Over Galvanized Components, Add	*34,836.22*	
		For Stainless Steel Support Structure, Add	*69,672.43*	
23 65 14 14-0043	EA	2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	294,864.24	36,010.89
		For Polymer Coating Over Galvanized Components, Add	*35,754.06*	
		For Stainless Steel Support Structure, Add	*71,508.12*	

23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.

23 65 14 14-0045	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	95,441.46	3,086.65
		For Induced Draft Counter Flow Type, Add	*4,523.93*	
23 65 14 14-0046	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	108,177.87	3,425.57
		For Induced Draft Counter Flow Type, Add	*5,131.70*	
23 65 14 14-0047	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	118,221.50	3,885.55
		For Induced Draft Counter Flow Type, Add	*5,598.78*	
23 65 14 14-0048	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	131,400.45	4,853.90
		For Induced Draft Counter Flow Type, Add	*6,180.26*	
23 65 14 14-0049	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	148,811.70	6,076.46
		For Induced Draft Counter Flow Type, Add	*6,952.17*	
23 65 14 14-0050	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	170,812.53	7,964.76
		For Induced Draft Counter Flow Type, Add	*7,900.30*	
23 65 14 14-0051	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	186,084.24	8,969.44
		For Induced Draft Counter Flow Type, Add	*8,583.39*	
23 65 14 14-0052	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	201,138.04	9,840.96
		For Induced Draft Counter Flow Type, Add	*9,266.48*	
23 65 14 14-0053	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	232,135.66	11,826.10
		For Induced Draft Counter Flow Type, Add	*10,656.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0054	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	262,226.20	12,806.56
		For Induced Draft Counter Flow Type, Add	*12,082.43*	
23 65 14 14-0055	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	324,814.64	13,920.18
		For Induced Draft Counter Flow Type, Add	*15,090.81*	
23 65 14 14-0056	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	421,656.17	17,769.41
		For Induced Draft Counter Flow Type, Add	*19,688.98*	

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers *(23 65 14 16)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.

23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	40,086.56	2,009.34
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	56,988.46	2,457.22
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	67,151.50	3,086.65
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	76,126.65	3,449.78
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	83,508.03	3,885.55
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	100,130.85	4,853.90
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	117,831.07	6,076.46
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	139,656.62	7,964.76
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	152,881.90	8,969.44
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	173,340.74	9,840.96
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	200,922.91	11,826.10
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	226,840.46	12,806.56
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	280,616.25	13,920.18
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	357,460.38	17,575.73

23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.

23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	69,951.12	3,086.65
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	75,690.84	3,449.78
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	81,556.35	3,885.55
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	96,440.65	4,853.90
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	106,277.28	6,076.46

23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers *(23 65 14 16)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,828.50	1,258.87
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,082.57	1,319.39
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,901.41	1,355.71
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,664.61	1,379.91
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,713.58	1,500.96
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,215.61	1,573.59
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,409.44	1,646.21
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,000.08	1,815.68
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,391.20	2,009.34
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,004.81	2,166.70
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,302.99	2,336.17
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	18,840.62	2,662.99
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	22,809.19	3,086.65
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	28,184.98	3,449.78
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	31,654.30	3,885.55
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	38,426.68	4,357.62
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	42,857.59	4,853.90
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	47,372.11	5,471.23
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	51,685.86	6,076.46
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	61,940.94	7,964.76
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	70,390.35	8,969.44
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	78,228.79	9,840.96
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	95,103.38	11,584.01
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	108,626.45	12,806.56
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	114,959.09	9,840.96
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	131,641.99	14,598.02
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	150,279.65	12,165.02

23 65 43 Cooling Tower Basins and Accessories *(23 65)*

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins *(23 65 43)*

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,416.97
		For Anti-Flotation Flanges, Add	*115.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,603.98
		For Anti-Flotation Flanges, Add	*115.00*
		For Perforated Basins, Add	*80.00*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,573.43	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,844.95	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,001.97	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,221.96	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,441.95	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,468.36	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,727.34	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,110.35	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,496.35	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,749.31	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	30,906.98	229.71
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	43,130.31	304.56
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	49,378.09	368.37
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	58,464.65	460.46
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	68,020.65	612.11
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	87,886.96	921.04
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	99,247.08	1,037.39
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	136,292.52	1,377.93
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	176,349.83	1,601.89

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	11,039.61	864.89
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	12,263.28	1,038.12
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	15,345.16	1,297.66
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	17,941.40	1,482.57
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	19,843.33	1,557.19
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	24,101.18	1,730.42
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	31,965.84	1,816.71
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	39,782.96	1,946.48
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	48,163.87	2,224.18
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	54,012.50	2,854.83
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	72,328.74	3,244.13
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	86,032.72	3,892.96

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	19,810.21	648.82
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	31,132.49	865.14
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	46,154.26	1,297.66

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.		
23 73 13 00-0001		**Single Zone Units** *(23 73 13)* Note: Horizontal/vertical draw-thru fan, motor and cabinet.		
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,856.19	677.36
		For Flat Filter Box And Throwaway Filters, Add	*237.24*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*445.44*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*663.33*	
		For Manual Roll Filter, Add	*1,135.46*	
		For Automatic Roll Filter, Add	*1,229.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*568.90*	
		For Electric Heating Coil, Add	*946.61*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*946.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*852.18*	
		For Steam Heating Coil, Aluminum Fins, Add	*757.75*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*614.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,135.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,041.04*	
		For Hot Water Heating Coil, Copper Fins, Add	*757.75*	
		For Variable Air Volume, Add	*264.40*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,317.36*	
		For 2 Coils, Independent Circuits, Add	*323.39*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,501.53	812.83
		For Flat Filter Box And Throwaway Filters, Add	*392.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*749.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,118.41*	
		For Manual Roll Filter, Add	*1,953.72*	
		For Automatic Roll Filter, Add	*2,120.79*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*951.34*	
		For Electric Heating Coil, Add	*1,619.60*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,619.60*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,452.53*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,285.47*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,060.39*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,953.72*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,786.66*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,285.47*	
		For Variable Air Volume, Add	*467.78*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,452.18*	
		For 2 Coils, Independent Circuits, Add	*516.98*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,086.89	872.95
		For Flat Filter Box And Throwaway Filters, Add	*446.34*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*855.27*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,276.67*	
		For Manual Roll Filter, Add	*2,236.65*	
		For Automatic Roll Filter, Add	*2,428.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,084.68*	
		For Electric Heating Coil, Add	*1,852.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,852.66*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,660.66*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,468.67*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,214.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,236.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,044.65*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,468.67*	
		For Variable Air Volume, Add	*537.59*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,512.89*	
		For 2 Coils, Independent Circuits, Add	*585.49*	
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,737.68	938.02
		For Flat Filter Box And Throwaway Filters, Add	*506.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*973.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,453.26*	
		For Manual Roll Filter, Add	*2,552.62*	
		For Automatic Roll Filter, Add	*2,772.49*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,233.38*	
		For Electric Heating Coil, Add	*2,112.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,112.87*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,893.00*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,673.13*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,386.24*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,552.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,332.74*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,673.13*	
		For Variable Air Volume, Add	*615.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,578.17*	
		For 2 Coils, Independent Circuits, Add	*661.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,504.87	1,009.14
		For Flat Filter Box And Throwaway Filters, Add	*578.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,113.78*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,663.47*	
		For Manual Roll Filter, Add	*2,929.70*	
		For Automatic Roll Filter, Add	*3,182.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,410.22*	
		For Electric Heating Coil, Add	*2,423.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,423.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,169.96*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,916.71*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,591.47*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,929.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,676.45*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,916.71*	
		For Variable Air Volume, Add	*709.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,647.97*	
		For 2 Coils, Independent Circuits, Add	*751.79*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,399.41	1,084.50
		For Flat Filter Box And Throwaway Filters, Add	*662.48*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,278.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,909.98*	
		For Manual Roll Filter, Add	*3,372.52*	
		For Automatic Roll Filter, Add	*3,665.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,617.47*	
		For Electric Heating Coil, Add	*2,787.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,787.50*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,494.99*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,202.48*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,832.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,372.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,080.01*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,202.48*	
		For Variable Air Volume, Add	*819.02*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,724.47*	
		For 2 Coils, Independent Circuits, Add	*856.94*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,101.17	1,165.91
		For Flat Filter Box And Throwaway Filters, Add	*727.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,404.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,097.94*	
		For Manual Roll Filter, Add	*3,707.72*	
		For Automatic Roll Filter, Add	*4,029.67*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,775.98*	
		For Electric Heating Coil, Add	*3,063.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,063.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,741.85*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,419.89*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,014.84*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,707.72*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,385.76*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,419.89*	
		For Variable Air Volume, Add	*901.48*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,803.44*	
		For 2 Coils, Independent Circuits, Add	*938.90*	
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,861.94	1,256.49
		For Flat Filter Box And Throwaway Filters, Add	*796.46*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,539.09*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,299.66*	
		For Manual Roll Filter, Add	*4,066.49*	
		For Automatic Roll Filter, Add	*4,419.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,946.29*	
		For Electric Heating Coil, Add	*3,359.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,359.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,006.39*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,653.02*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,209.93*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,066.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,713.12*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,653.02*	
		For Variable Air Volume, Add	*989.42*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,737.04*	
		For 2 Coils, Independent Circuits, Add	*1,027.54*	
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,698.58	1,347.09
		For Flat Filter Box And Throwaway Filters, Add	*873.63*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,689.53*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,524.67*	
		For Manual Roll Filter, Add	*4,468.18*	
		For Automatic Roll Filter, Add	*4,856.88*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,135.97*	
		For Electric Heating Coil, Add	*3,690.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,690.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,302.07*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,913.37*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,428.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,468.18*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,079.48*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,913.37*	
		For Variable Air Volume, Add	*1,088.37*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,808.49*	
		For 2 Coils, Independent Circuits, Add	*1,125.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,470.78	1,447.97
		For Flat Filter Box And Throwaway Filters, Add	*943.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,825.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,727.53*	
		For Manual Roll Filter, Add	*4,828.10*	
		For Automatic Roll Filter, Add	*5,248.21*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,307.42*	
		For Electric Heating Coil, Add	*3,987.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,987.87*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,567.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,147.64*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,624.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,828.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,407.98*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,147.64*	
		For Variable Air Volume, Add	*1,176.32*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,887.69*	
		For 2 Coils, Independent Circuits, Add	*1,215.12*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,295.25	1,558.05
		For Flat Filter Box And Throwaway Filters, Add	*1,018.25*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,969.73*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,943.47*	
		For Manual Roll Filter, Add	*5,210.90*	
		For Automatic Roll Filter, Add	*5,664.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,489.98*	
		For Electric Heating Coil, Add	*4,303.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,303.93*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,850.44*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,396.96*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,832.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,210.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,757.42*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,396.96*	
		For Variable Air Volume, Add	*1,269.76*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,974.04*	
		For 2 Coils, Independent Circuits, Add	*1,310.92*	
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,138.01	1,803.47
		For Flat Filter Box And Throwaway Filters, Add	*1,184.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,292.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,426.15*	
		For Manual Roll Filter, Add	*6,066.58*	
		For Automatic Roll Filter, Add	*6,594.66*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,898.06*	
		For Electric Heating Coil, Add	*5,010.40*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,010.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,482.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,954.23*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,297.33*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,066.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,538.49*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,954.23*	
		For Variable Air Volume, Add	*1,478.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,166.96*	
		For 2 Coils, Independent Circuits, Add	*1,525.04*	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,763.08	1,938.09
		For Flat Filter Box And Throwaway Filters, Add	*1,237.83*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,392.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,575.03*	
		For Manual Roll Filter, Add	*6,323.43*	
		For Automatic Roll Filter, Add	*6,873.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,025.35*	
		For Electric Heating Coil, Add	*5,224.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,224.07*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,674.39*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,124.71*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,436.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,323.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,773.75*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,124.71*	
		For Variable Air Volume, Add	*1,539.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,273.21*	
		For 2 Coils, Independent Circuits, Add	*1,596.18*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,401.07	2,082.87
		For Flat Filter Box And Throwaway Filters, Add	*1,291.33*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,493.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,725.21*	
		For Manual Roll Filter, Add	*6,581.58*	
		For Automatic Roll Filter, Add	*7,152.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,153.93*	
		For Electric Heating Coil, Add	*5,439.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,439.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,867.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,296.48*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,576.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,581.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,010.31*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,296.48*	
		For Variable Air Volume, Add	*1,599.57*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,386.56*	
		For 2 Coils, Independent Circuits, Add	*1,668.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,804.09	2,404.62
		For Flat Filter Box And Throwaway Filters, Add	*1,408.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,714.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,053.97*	
		For Manual Roll Filter, Add	*7,145.92*	
		For Automatic Roll Filter, Add	*7,764.31*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,435.58*	
		For Electric Heating Coil, Add	*5,909.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,909.14*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,290.75*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,672.36*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,882.16*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,145.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,527.53*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,672.36*	
		For Variable Air Volume, Add	*1,731.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,314.51*	
		For 2 Coils, Independent Circuits, Add	*1,827.77*	
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,804.09	2,404.62
		For Flat Filter Box And Throwaway Filters, Add	*1,408.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,714.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,053.97*	
		For Manual Roll Filter, Add	*7,145.92*	
		For Automatic Roll Filter, Add	*7,764.31*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,435.58*	
		For Electric Heating Coil, Add	*5,909.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,909.14*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,290.75*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,672.36*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,882.16*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,145.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,527.53*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,672.36*	
		For Variable Air Volume, Add	*1,731.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,314.51*	
		For 2 Coils, Independent Circuits, Add	*1,827.77*	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,335.03	2,761.92
		For Flat Filter Box And Throwaway Filters, Add	*1,536.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,953.98*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,411.23*	
		For Manual Roll Filter, Add	*7,758.39*	
		For Automatic Roll Filter, Add	*8,427.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,741.80*	
		For Electric Heating Coil, Add	*6,419.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,419.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,750.10*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,080.66*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,213.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,758.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,088.96*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,080.66*	
		For Variable Air Volume, Add	*1,874.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,518.56*	
		For 2 Coils, Independent Circuits, Add	*2,001.28*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,219.98	2,996.47
		For Flat Filter Box And Throwaway Filters, Add	*1,607.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,087.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,609.66*	
		For Manual Roll Filter, Add	*8,094.24*	
		For Automatic Roll Filter, Add	*8,791.16*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,912.75*	
		For Electric Heating Coil, Add	*6,700.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,700.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,003.49*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,306.58*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,395.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,094.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,397.33*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,306.58*	
		For Variable Air Volume, Add	*1,951.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,652.66*	
		For 2 Coils, Independent Circuits, Add	*2,100.76*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,087.12	3,219.14
		For Flat Filter Box And Throwaway Filters, Add	*1,678.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,219.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,806.31*	
		For Manual Roll Filter, Add	*8,428.31*	
		For Automatic Roll Filter, Add	*9,152.71*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,081.91*	
		For Electric Heating Coil, Add	*6,979.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,979.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,255.11*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,530.71*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,576.36*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,428.31*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,703.91*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,530.71*	
		For Variable Air Volume, Add	*2,028.32*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,779.65*	
		For 2 Coils, Independent Circuits, Add	*2,198.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,959.62	3,446.06
		For Flat Filter Box And Throwaway Filters, Add	*1,749.87*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,352.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,003.50*	
		For Manual Roll Filter, Add	*8,762.92*	
		For Automatic Roll Filter, Add	*9,514.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,251.61*	
		For Electric Heating Coil, Add	*7,259.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,259.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,507.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,755.38*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,757.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,762.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,011.03*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,755.38*	
		For Variable Air Volume, Add	*2,105.28*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,908.78*	
		For 2 Coils, Independent Circuits, Add	*2,296.72*	
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,965.21	3,709.39
		For Flat Filter Box And Throwaway Filters, Add	*1,831.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,504.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,229.70*	
		For Manual Roll Filter, Add	*9,146.17*	
		For Automatic Roll Filter, Add	*9,929.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,446.40*	
		For Electric Heating Coil, Add	*7,579.58*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,579.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,796.29*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,012.99*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,964.73*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,146.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,362.88*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,012.99*	
		For Variable Air Volume, Add	*2,193.22*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,059.73*	
		For 2 Coils, Independent Circuits, Add	*2,409.84*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,986.18	3,974.40
		For Flat Filter Box And Throwaway Filters, Add	*1,914.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,657.27*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,457.44*	
		For Manual Roll Filter, Add	*9,530.96*	
		For Automatic Roll Filter, Add	*10,345.67*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,642.73*	
		For Electric Heating Coil, Add	*7,901.55*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,901.55*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,086.85*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,272.14*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,172.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,530.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,716.26*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,272.14*	
		For Variable Air Volume, Add	*2,281.17*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,887.62*	
		For 2 Coils, Independent Circuits, Add	*2,524.50*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,038.96	4,279.93
		For Flat Filter Box And Throwaway Filters, Add	*1,998.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,812.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,688.36*	
		For Manual Roll Filter, Add	*9,918.93*	
		For Automatic Roll Filter, Add	*10,765.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,842.24*	
		For Electric Heating Coil, Add	*8,226.70*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,226.70*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,380.59*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,534.47*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,382.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,918.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,072.82*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,534.47*	
		For Variable Air Volume, Add	*2,369.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,015.00*	
		For 2 Coils, Independent Circuits, Add	*2,642.34*	
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,238.70	4,636.52
		For Flat Filter Box And Throwaway Filters, Add	*2,093.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,988.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,949.68*	
		For Manual Roll Filter, Add	*10,356.94*	
		For Automatic Roll Filter, Add	*11,238.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,068.23*	
		For Electric Heating Coil, Add	*8,594.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,594.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,712.58*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,831.13*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,619.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,356.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,475.49*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,831.13*	
		For Variable Air Volume, Add	*2,468.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,162.90*	
		For 2 Coils, Independent Circuits, Add	*2,776.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,409.27	4,950.28
		For Flat Filter Box And Throwaway Filters, Add	*2,187.25*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,162.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,208.08*	
		For Manual Roll Filter, Add	*10,792.02*	
		For Automatic Roll Filter, Add	*11,708.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,291.29*	
		For Electric Heating Coil, Add	*8,958.45*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,958.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,041.66*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,124.87*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,854.41*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,792.02*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,875.24*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,124.87*	
		For Variable Air Volume, Add	*2,567.01*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,302.05*	
		For 2 Coils, Independent Circuits, Add	*2,907.64*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,513.21	4,793.16
		For Flat Filter Box And Throwaway Filters, Add	*2,210.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,215.51*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,289.15*	
		For Manual Roll Filter, Add	*10,961.43*	
		For Automatic Roll Filter, Add	*11,895.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,354.69*	
		For Electric Heating Coil, Add	*9,092.52*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,092.52*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,158.06*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,223.60*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,947.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,961.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,026.97*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,223.60*	
		For Variable Air Volume, Add	*2,616.48*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,227.22*	
		For 2 Coils, Independent Circuits, Add	*2,925.10*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,637.90	5,317.86
		For Flat Filter Box And Throwaway Filters, Add	*2,284.02*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,340.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,472.29*	
		For Manual Roll Filter, Add	*11,232.92*	
		For Automatic Roll Filter, Add	*12,185.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,520.17*	
		For Electric Heating Coil, Add	*9,328.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,328.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,376.54*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,424.42*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,092.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,232.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,280.79*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,424.42*	
		For Variable Air Volume, Add	*2,665.95*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,458.62*	
		For 2 Coils, Independent Circuits, Add	*3,044.64*	
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	28,048.23	5,531.48
		For Flat Filter Box And Throwaway Filters, Add	*2,411.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,586.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,841.05*	
		For Manual Roll Filter, Add	*11,886.33*	
		For Automatic Roll Filter, Add	*12,895.38*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,831.99*	
		For Electric Heating Coil, Add	*9,868.22*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,868.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,859.16*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,850.10*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,447.69*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,886.33*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,877.27*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,850.10*	
		For Variable Air Volume, Add	*2,825.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,973.42*	
		For 2 Coils, Independent Circuits, Add	*3,208.45*	
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,534.14	5,745.69
		For Flat Filter Box And Throwaway Filters, Add	*2,542.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,838.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,217.36*	
		For Manual Roll Filter, Add	*12,547.30*	
		For Automatic Roll Filter, Add	*13,613.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,151.38*	
		For Electric Heating Coil, Add	*10,415.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,415.33*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,349.34*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,283.35*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,806.64*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,547.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,481.31*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,283.35*	
		For Variable Air Volume, Add	*2,984.77*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,042.88*	
		For 2 Coils, Independent Circuits, Add	*3,379.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	31,106.93	5,966.67
		For Flat Filter Box And Throwaway Filters, Add	*2,686.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,117.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,633.78*	
		For Manual Roll Filter, Add	*13,287.63*	
		For Automatic Roll Filter, Add	*14,418.40*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,503.01*	
		For Electric Heating Coil, Add	*11,026.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,026.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,895.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,764.55*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,209.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,287.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,156.86*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,764.55*	
		For Variable Air Volume, Add	*3,166.16*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,098.30*	
		For 2 Coils, Independent Circuits, Add	*3,563.00*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	32,747.22	6,187.91
		For Flat Filter Box And Throwaway Filters, Add	*2,832.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,400.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,056.94*	
		For Manual Roll Filter, Add	*14,034.72*	
		For Automatic Roll Filter, Add	*15,230.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,861.39*	
		For Electric Heating Coil, Add	*11,643.61*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,643.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,448.05*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,252.50*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,615.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,034.72*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,839.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,252.50*	
		For Variable Air Volume, Add	*3,347.55*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,167.22*	
		For 2 Coils, Independent Circuits, Add	*3,752.94*	
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	36,495.54	6,633.88
		For Flat Filter Box And Throwaway Filters, Add	*3,175.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,066.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,402.77*	
		For Manual Roll Filter, Add	*14,994.96*	
		For Automatic Roll Filter, Add	*15,805.34*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,350.84*	
		For Electric Heating Coil, Add	*6,891.10*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,753.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,402.77*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,052.13*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,227.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,454.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,104.06*	
		For Hot Water Heating Coil, Copper Fins, Add	*10,402.77*	
		For Variable Air Volume, Add	*3,781.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,394.47*	
		For 2 Coils, Independent Circuits, Add	*4,189.81*	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	40,483.00	7,149.51
		For Flat Filter Box And Throwaway Filters, Add	*3,535.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,764.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,606.41*	
		For Manual Roll Filter, Add	*16,745.92*	
		For Automatic Roll Filter, Add	*17,652.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,071.54*	
		For Electric Heating Coil, Add	*7,676.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,118.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,606.41*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,094.78*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,070.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,141.27*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,629.65*	
		For Hot Water Heating Coil, Copper Fins, Add	*11,606.41*	
		For Variable Air Volume, Add	*4,232.54*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,528.85*	
		For 2 Coils, Independent Circuits, Add	*4,652.95*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	44,835.70	7,660.56
		For Flat Filter Box And Throwaway Filters, Add	*3,935.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,543.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,954.54*	
		For Manual Roll Filter, Add	*18,714.80*	
		For Automatic Roll Filter, Add	*19,731.31*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,871.96*	
		For Electric Heating Coil, Add	*8,549.63*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,648.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,954.54*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,260.34*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*9,018.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,037.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,342.92*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,954.54*	
		For Variable Air Volume, Add	*4,743.74*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,651.57*	
		For 2 Coils, Independent Circuits, Add	*5,161.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	55,127.72	8,250.22
		For Flat Filter Box And Throwaway Filters, Add	*4,923.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,493.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,349.33*	
		For Manual Roll Filter, Add	*23,718.18*	
		For Automatic Roll Filter, Add	*25,018.57*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,847.39*	
		For Electric Heating Coil, Add	*10,714.32*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,516.64*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,349.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,182.02*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*11,425.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,851.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,683.95*	
		For Hot Water Heating Coil, Copper Fins, Add	*16,349.33*	
		For Variable Air Volume, Add	*6,068.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,796.76*	
		For 2 Coils, Independent Circuits, Add	*6,379.70*	
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	61,570.64	8,805.89
		For Flat Filter Box And Throwaway Filters, Add	*5,528.54*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,679.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,407.08*	
		For Manual Roll Filter, Add	*26,737.10*	
		For Automatic Roll Filter, Add	*28,207.10*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,057.07*	
		For Electric Heating Coil, Add	*12,037.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,857.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,407.08*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,957.08*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,878.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,757.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,307.09*	
		For Hot Water Heating Coil, Copper Fins, Add	*18,407.08*	
		For Variable Air Volume, Add	*6,860.01*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,650.58*	
		For 2 Coils, Independent Circuits, Add	*7,137.07*	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	67,447.84	9,482.65
		For Flat Filter Box And Throwaway Filters, Add	*6,067.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,729.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,221.77*	
		For Manual Roll Filter, Add	*29,386.12*	
		For Automatic Roll Filter, Add	*31,003.36*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,135.58*	
		For Electric Heating Coil, Add	*13,213.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,917.17*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,221.77*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,526.37*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,153.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*28,307.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,612.56*	
		For Hot Water Heating Coil, Copper Fins, Add	*20,221.77*	
		For Variable Air Volume, Add	*7,547.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,795.99*	
		For 2 Coils, Independent Circuits, Add	*7,822.94*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	73,997.97	10,527.75
		For Flat Filter Box And Throwaway Filters, Add	*6,664.25*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,887.16*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,221.54*	
		For Manual Roll Filter, Add	*32,300.32*	
		For Automatic Roll Filter, Add	*34,078.93*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,328.49*	
		For Electric Heating Coil, Add	*14,514.23*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,185.89*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,221.54*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,257.19*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*15,557.29*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*31,114.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*28,150.23*	
		For Hot Water Heating Coil, Copper Fins, Add	*22,221.54*	
		For Variable Air Volume, Add	*8,300.17*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,971.65*	
		For 2 Coils, Independent Circuits, Add	*8,585.54*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	79,633.93	10,922.51
		For Flat Filter Box And Throwaway Filters, Add	*7,183.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,899.28*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*23,972.83*	
		For Manual Roll Filter, Add	*34,859.25*	
		For Automatic Roll Filter, Add	*36,780.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,367.17*	
		For Electric Heating Coil, Add	*15,647.92*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*27,174.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*23,972.83*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,770.95*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*16,789.25*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*33,578.50*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*30,376.61*	
		For Hot Water Heating Coil, Copper Fins, Add	*23,972.83*	
		For Variable Air Volume, Add	*8,965.29*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,104.43*	
		For 2 Coils, Independent Circuits, Add	*9,244.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	85,889.86	11,684.42
		For Flat Filter Box And Throwaway Filters, Add	*7,751.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,000.74*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*25,874.47*	
		For Manual Roll Filter, Add	*37,628.60*	
		For Automatic Roll Filter, Add	*39,702.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,503.18*	
		For Electric Heating Coil, Add	*16,886.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,331.57*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,874.47*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,417.37*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*18,122.88*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,245.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*32,788.67*	
		For Hot Water Heating Coil, Copper Fins, Add	*25,874.47*	
		For Variable Air Volume, Add	*9,679.87*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,923.49*	
		For 2 Coils, Independent Circuits, Add	*9,971.82*	
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	92,701.41	12,615.92
		For Flat Filter Box And Throwaway Filters, Add	*8,368.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,197.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,939.64*	
		For Manual Roll Filter, Add	*40,634.91*	
		For Automatic Roll Filter, Add	*42,875.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,737.94*	
		For Electric Heating Coil, Add	*18,231.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,673.54*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*27,939.64*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,205.74*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*19,570.67*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,141.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,407.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*27,939.64*	
		For Variable Air Volume, Add	*10,454.92*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,082.93*	
		For 2 Coils, Independent Circuits, Add	*10,763.70*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	96,574.57	13,208.48
		For Flat Filter Box And Throwaway Filters, Add	*8,715.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,866.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*29,092.58*	
		For Manual Roll Filter, Add	*42,308.47*	
		For Automatic Roll Filter, Add	*44,640.69*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,431.51*	
		For Electric Heating Coil, Add	*18,986.32*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,979.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,092.58*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,205.56*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*20,376.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,753.66*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,866.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*29,092.58*	
		For Variable Air Volume, Add	*10,883.67*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,184.26*	
		For 2 Coils, Independent Circuits, Add	*11,212.27*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	100,225.35	13,716.50
		For Flat Filter Box And Throwaway Filters, Add	*9,043.57*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,499.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,184.03*	
		For Manual Roll Filter, Add	*43,893.84*	
		For Automatic Roll Filter, Add	*46,313.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,087.13*	
		For Electric Heating Coil, Add	*19,700.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*34,216.32*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*30,184.03*	
		For Steam Heating Coil, Aluminum Fins, Add	*26,151.73*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*21,140.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*42,280.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*38,248.62*	
		For Hot Water Heating Coil, Copper Fins, Add	*30,184.03*	
		For Variable Air Volume, Add	*11,290.43*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,277.42*	
		For 2 Coils, Independent Circuits, Add	*11,635.45*	
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	108,059.18	14,647.87
		For Flat Filter Box And Throwaway Filters, Add	*9,759.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,890.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*32,587.00*	
		For Manual Roll Filter, Add	*47,398.14*	
		For Automatic Roll Filter, Add	*50,011.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,518.35*	
		For Electric Heating Coil, Add	*21,260.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*36,943.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,587.00*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,230.79*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,827.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*45,655.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*41,299.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*32,587.00*	
		For Variable Air Volume, Add	*12,197.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,446.86*	
		For 2 Coils, Independent Circuits, Add	*12,548.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	118,200.83	15,663.90
		For Flat Filter Box And Throwaway Filters, Add	*10,700.11*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,728.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,770.44*	
		For Manual Roll Filter, Add	*52,056.69*	
		For Automatic Roll Filter, Add	*54,930.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,400.23*	
		For Electric Heating Coil, Add	*23,316.26*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*40,560.52*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*35,770.44*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,980.37*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*25,070.33*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*50,140.66*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*45,350.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*35,770.44*	
		For Variable Air Volume, Add	*13,412.20*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,139.94*	
		For 2 Coils, Independent Circuits, Add	*13,736.11*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	129,572.94	16,933.95
		For Flat Filter Box And Throwaway Filters, Add	*11,747.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,769.71*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,302.69*	
		For Manual Roll Filter, Add	*57,217.56*	
		For Automatic Roll Filter, Add	*60,379.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*23,495.45*	
		For Electric Heating Coil, Add	*25,603.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*44,571.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*39,302.69*	
		For Steam Heating Coil, Aluminum Fins, Add	*34,033.61*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*27,554.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*55,109.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*49,840.85*	
		For Hot Water Heating Coil, Copper Fins, Add	*39,302.69*	
		For Variable Air Volume, Add	*14,753.42*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,319.14*	
		For 2 Coils, Independent Circuits, Add	*15,064.93*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	142,238.21	18,373.34
		For Flat Filter Box And Throwaway Filters, Add	*12,909.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*25,029.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*43,209.65*	
		For Manual Roll Filter, Add	*62,920.01*	
		For Automatic Roll Filter, Add	*66,398.31*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*25,818.15*	
		For Electric Heating Coil, Add	*28,137.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*49,006.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,209.65*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,412.48*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*30,300.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*60,601.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,803.98*	
		For Hot Water Heating Coil, Copper Fins, Add	*43,209.65*	
		For Variable Air Volume, Add	*16,232.06*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,529.49*	
		For 2 Coils, Independent Circuits, Add	*16,542.69*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,458.52	1,523.82
		For Economizer, Panel, Controls And Damper(s), Add	*2,163.52*	
		For Flat Filter Box And Throwaway Filters, Add	*737.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,408.76*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,788.16*	
		For Manual Roll Filter, Add	*3,672.78*	
		For Automatic Roll Filter, Add	*3,672.78*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*845.85*	
		For Electric Heating Coil, Add	*971.49*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,044.57*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,044.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,672.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,672.78*	
		For 2 Coils, Independent Circuits, Add	*971.49*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,540.63	1,909.06
		For Economizer, Panel, Controls And Damper(s), Add	*2,549.12*	
		For Flat Filter Box And Throwaway Filters, Add	*917.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,753.57*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,226.06*	
		For Manual Roll Filter, Add	*4,570.05*	
		For Automatic Roll Filter, Add	*4,570.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,054.06*	
		For Electric Heating Coil, Add	*1,210.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,788.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,788.72*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,570.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,570.05*	
		For 2 Coils, Independent Circuits, Add	*1,210.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,032.20	2,031.83
		For Economizer, Panel, Controls And Damper(s), Add	*2,671.67*	
		For Flat Filter Box And Throwaway Filters, Add	*1,158.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,229.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,822.69*	
		For Manual Roll Filter, Add	*5,861.64*	
		For Automatic Roll Filter, Add	*5,861.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,303.22*	
		For Electric Heating Coil, Add	*1,505.82*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,848.66*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,848.66*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,861.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,861.64*	
		For 2 Coils, Independent Circuits, Add	*1,505.82*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,551.36	2,175.77
		For Economizer, Panel, Controls And Damper(s), Add	*2,815.20*	
		For Flat Filter Box And Throwaway Filters, Add	*1,199.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,306.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,921.73*	
		For Manual Roll Filter, Add	*6,054.90*	
		For Automatic Roll Filter, Add	*6,054.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,355.14*	
		For Electric Heating Coil, Add	*1,564.01*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,010.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,010.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,054.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,054.90*	
		For 2 Coils, Independent Circuits, Add	*1,564.01*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,857.00	2,332.41
		For Economizer, Panel, Controls And Damper(s), Add	*2,972.50*	
		For Flat Filter Box And Throwaway Filters, Add	*1,419.09*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,738.22*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,464.43*	
		For Manual Roll Filter, Add	*7,221.89*	
		For Automatic Roll Filter, Add	*7,221.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,585.70*	
		For Electric Heating Coil, Add	*1,836.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,969.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,969.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,221.89*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,221.89*	
		For 2 Coils, Independent Circuits, Add	*1,836.20*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,721.11	2,497.76
		For Economizer, Panel, Controls And Damper(s), Add	*3,137.63*	
		For Flat Filter Box And Throwaway Filters, Add	*1,493.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,880.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,645.07*	
		For Manual Roll Filter, Add	*7,590.99*	
		For Automatic Roll Filter, Add	*7,590.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,672.11*	
		For Electric Heating Coil, Add	*1,935.17*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,275.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,275.69*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,590.99*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,590.99*	
		For 2 Coils, Independent Circuits, Add	*1,935.17*	
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,630.20	2,666.98
		For Economizer, Panel, Controls And Damper(s), Add	*3,306.76*	
		For Flat Filter Box And Throwaway Filters, Add	*1,572.54*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,030.78*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,836.10*	
		For Manual Roll Filter, Add	*7,982.26*	
		For Automatic Roll Filter, Add	*7,982.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,763.02*	
		For Electric Heating Coil, Add	*2,039.43*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,600.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,600.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,982.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,982.26*	
		For 2 Coils, Independent Circuits, Add	*2,039.43*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,666.85	2,861.84
		For Economizer, Panel, Controls And Damper(s), Add	*2,993.71*	
		For Flat Filter Box And Throwaway Filters, Add	*1,762.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,403.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,304.79*	
		For Manual Roll Filter, Add	*8,981.00*	
		For Automatic Roll Filter, Add	*8,981.00*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,966.69*	
		For Electric Heating Coil, Add	*2,278.43*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,422.26*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,422.26*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,981.00*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,981.00*	
		For 2 Coils, Independent Circuits, Add	*2,278.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,497.15	3,064.80
		For Economizer, Panel, Controls And Damper(s), Add	*3,158.19*	
		For Flat Filter Box And Throwaway Filters, Add	*1,930.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,730.22*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,717.51*	
		For Manual Roll Filter, Add	*9,853.09*	
		For Automatic Roll Filter, Add	*9,853.09*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,149.72*	
		For Electric Heating Coil, Add	*2,492.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,141.23*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,141.23*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,853.09*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,853.09*	
		For 2 Coils, Independent Circuits, Add	*2,492.09*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,726.58	3,273.33
		For Economizer, Panel, Controls And Damper(s), Add	*3,316.11*	
		For Flat Filter Box And Throwaway Filters, Add	*2,039.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,938.78*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,981.80*	
		For Manual Roll Filter, Add	*10,400.08*	
		For Automatic Roll Filter, Add	*10,400.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,272.66*	
		For Electric Heating Coil, Add	*2,633.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,593.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,593.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,400.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,400.08*	
		For 2 Coils, Independent Circuits, Add	*2,633.88*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	25,061.55	3,497.10
		For Economizer, Panel, Controls And Damper(s), Add	*3,499.02*	
		For Flat Filter Box And Throwaway Filters, Add	*2,256.24*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,362.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,515.65*	
		For Manual Roll Filter, Add	*11,534.65*	
		For Automatic Roll Filter, Add	*11,534.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,506.16*	
		For Electric Heating Coil, Add	*2,907.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,528.32*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,528.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,534.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,534.65*	
		For 2 Coils, Independent Circuits, Add	*2,907.42*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,665.91	3,742.65
		For Economizer, Panel, Controls And Damper(s), Add	*3,690.39*	
		For Flat Filter Box And Throwaway Filters, Add	*2,399.28*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,638.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,864.55*	
		For Manual Roll Filter, Add	*12,260.48*	
		For Automatic Roll Filter, Add	*12,260.48*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,666.59*	
		For Electric Heating Coil, Add	*3,092.99*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,128.50*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,128.50*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,260.48*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,260.48*	
		For 2 Coils, Independent Circuits, Add	*3,092.99*	
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	29,241.22	4,064.15
		For Economizer, Panel, Controls And Damper(s), Add	*3,940.70*	
		For Flat Filter Box And Throwaway Filters, Add	*2,634.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,094.08*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,440.11*	
		For Manual Roll Filter, Add	*13,472.10*	
		For Automatic Roll Filter, Add	*13,472.10*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,924.12*	
		For Electric Heating Coil, Add	*3,392.92*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,128.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,128.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,472.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,472.10*	
		For 2 Coils, Independent Circuits, Add	*3,392.92*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,418.51	4,377.55
		For Economizer, Panel, Controls And Damper(s), Add	*4,188.05*	
		For Flat Filter Box And Throwaway Filters, Add	*2,829.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,471.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,916.98*	
		For Manual Roll Filter, Add	*14,467.23*	
		For Automatic Roll Filter, Add	*14,467.23*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,141.85*	
		For Electric Heating Coil, Add	*3,645.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,950.48*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,950.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,467.23*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,467.23*	
		For 2 Coils, Independent Circuits, Add	*3,645.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,975.55	4,733.04
		For Economizer, Panel, Controls And Damper(s), Add	*3,639.18*	
		For Flat Filter Box And Throwaway Filters, Add	*2,960.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,717.88*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,231.70*	
		For Manual Roll Filter, Add	*15,099.98*	
		For Automatic Roll Filter, Add	*15,099.98*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,297.56*	
		For Electric Heating Coil, Add	*3,822.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,477.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,477.22*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,099.98*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,099.98*	
		For 2 Coils, Independent Circuits, Add	*3,822.11*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	36,587.66	5,105.35
		For Economizer, Panel, Controls And Damper(s), Add	*3,859.02*	
		For Flat Filter Box And Throwaway Filters, Add	*3,293.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,368.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,052.28*	
		For Manual Roll Filter, Add	*16,839.32*	
		For Automatic Roll Filter, Add	*16,839.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,658.77*	
		For Electric Heating Coil, Add	*4,244.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,910.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,910.30*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,839.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,839.32*	
		For 2 Coils, Independent Circuits, Add	*4,244.57*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	38,531.42	5,503.30
		For Economizer, Panel, Controls And Damper(s), Add	*4,086.84*	
		For Flat Filter Box And Throwaway Filters, Add	*3,459.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,683.56*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,452.79*	
		For Manual Roll Filter, Add	*17,652.08*	
		For Automatic Roll Filter, Add	*17,652.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,853.14*	
		For Electric Heating Coil, Add	*4,466.43*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,585.65*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,585.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,652.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,652.08*	
		For 2 Coils, Independent Circuits, Add	*4,466.43*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,683.77	5,960.75
		For Economizer, Panel, Controls And Damper(s), Add	*4,335.28*	
		For Flat Filter Box And Throwaway Filters, Add	*3,643.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,033.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,897.71*	
		For Manual Roll Filter, Add	*18,556.38*	
		For Automatic Roll Filter, Add	*18,556.38*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,068.38*	
		For Electric Heating Coil, Add	*4,712.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,336.83*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,336.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,556.38*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,556.38*	
		For 2 Coils, Independent Circuits, Add	*4,712.29*	
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,003.58	6,434.54
		For Economizer, Panel, Controls And Damper(s), Add	*3,939.47*	
		For Flat Filter Box And Throwaway Filters, Add	*3,840.45*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,404.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,371.16*	
		For Manual Roll Filter, Add	*19,512.76*	
		For Automatic Roll Filter, Add	*19,512.76*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,300.36*	
		For Electric Heating Coil, Add	*4,976.46*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,132.23*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,132.23*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,512.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,512.76*	
		For 2 Coils, Independent Circuits, Add	*4,976.46*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,215.50	6,680.44
		For Economizer, Panel, Controls And Damper(s), Add	*4,049.80*	
		For Flat Filter Box And Throwaway Filters, Add	*3,943.25*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,599.52*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,618.98*	
		For Manual Roll Filter, Add	*20,013.83*	
		For Automatic Roll Filter, Add	*20,013.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,421.55*	
		For Electric Heating Coil, Add	*5,114.54*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,548.88*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,548.88*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,013.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,013.83*	
		For 2 Coils, Independent Circuits, Add	*5,114.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	45,372.16	6,918.85
		For Economizer, Panel, Controls And Damper(s), Add	*4,143.55*	
		For Flat Filter Box And Throwaway Filters, Add	*4,043.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,790.23*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,861.26*	
		For Manual Roll Filter, Add	*20,509.36*	
		For Automatic Roll Filter, Add	*20,509.36*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,537.22*	
		For Electric Heating Coil, Add	*5,247.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,959.99*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,959.99*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,509.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,509.36*	
		For 2 Coils, Independent Circuits, Add	*5,247.09*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	51,299.27	7,196.93
		For Economizer, Panel, Controls And Damper(s), Add	*3,461.76*	
		For Flat Filter Box And Throwaway Filters, Add	*4,614.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,919.71*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,278.49*	
		For Manual Roll Filter, Add	*23,575.63*	
		For Automatic Roll Filter, Add	*23,575.63*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,129.93*	
		For Electric Heating Coil, Add	*5,949.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*19,476.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*19,476.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*23,575.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,575.63*	
		For 2 Coils, Independent Circuits, Add	*5,949.74*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	57,180.88	7,482.02
		For Economizer, Panel, Controls And Damper(s), Add	*3,606.38*	
		For Flat Filter Box And Throwaway Filters, Add	*5,183.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,046.01*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,691.18*	
		For Manual Roll Filter, Add	*26,637.36*	
		For Automatic Roll Filter, Add	*26,637.36*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,718.09*	
		For Electric Heating Coil, Add	*6,647.83*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,988.63*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,988.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*26,637.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,637.36*	
		For 2 Coils, Independent Circuits, Add	*6,647.83*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	65,759.23	7,764.21
		For Economizer, Panel, Controls And Damper(s), Add	*3,674.99*	
		For Flat Filter Box And Throwaway Filters, Add	*6,021.64*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,710.71*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,776.96*	
		For Manual Roll Filter, Add	*31,179.03*	
		For Automatic Roll Filter, Add	*31,179.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,575.92*	
		For Electric Heating Coil, Add	*7,669.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,711.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,711.67*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*31,179.03*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*31,179.03*	
		For 2 Coils, Independent Circuits, Add	*7,669.39*	
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	74,343.12	8,043.63
		For Economizer, Panel, Controls And Damper(s), Add	*3,744.57*	
		For Flat Filter Box And Throwaway Filters, Add	*6,860.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,375.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,863.29*	
		For Manual Roll Filter, Add	*35,721.26*	
		For Automatic Roll Filter, Add	*35,721.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,434.31*	
		For Electric Heating Coil, Add	*8,691.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,435.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,435.27*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*35,721.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,721.26*	
		For 2 Coils, Independent Circuits, Add	*8,691.51*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	83,482.08	8,720.99
		For Economizer, Panel, Controls And Damper(s), Add	*3,914.72*	
		For Flat Filter Box And Throwaway Filters, Add	*7,725.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,525.87*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*19,002.19*	
		For Manual Roll Filter, Add	*29,656.18*	
		For Automatic Roll Filter, Add	*36,758.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,348.21*	
		For Electric Heating Coil, Add	*9,768.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,656.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,656.18*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,450.86*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,758.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,758.83*	
		For 2 Coils, Independent Circuits, Add	*9,768.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	90,035.51	9,483.02
		For Economizer, Panel, Controls And Damper(s), Add	*3,785.93*	
		For Flat Filter Box And Throwaway Filters, Add	*8,329.91*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,427.50*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,487.94*	
		For Manual Roll Filter, Add	*31,972.34*	
		For Automatic Roll Filter, Add	*39,628.60*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,003.55*	
		For Electric Heating Coil, Add	*10,534.80*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,972.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*31,972.34*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,659.81*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,628.60*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,628.60*	
		For 2 Coils, Independent Circuits, Add	*10,534.80*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	107,449.36	10,244.67
		For Economizer, Panel, Controls And Damper(s), Add	*3,959.79*	
		For Flat Filter Box And Throwaway Filters, Add	*10,013.34*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,946.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,667.56*	
		For Manual Roll Filter, Add	*38,590.17*	
		For Automatic Roll Filter, Add	*47,871.92*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,744.94*	
		For Electric Heating Coil, Add	*12,601.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*38,590.17*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*38,590.17*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,026.68*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*47,871.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*47,871.92*	
		For 2 Coils, Independent Circuits, Add	*12,601.29*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	121,479.26	11,091.74
		For Economizer, Panel, Controls And Damper(s), Add	*4,138.43*	
		For Flat Filter Box And Throwaway Filters, Add	*11,356.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,956.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,996.39*	
		For Manual Roll Filter, Add	*43,844.85*	
		For Automatic Roll Filter, Add	*54,410.49*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,147.93*	
		For Electric Heating Coil, Add	*14,261.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*43,844.85*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,844.85*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,713.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*54,410.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,410.49*	
		For 2 Coils, Independent Circuits, Add	*14,261.05*	
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	131,671.25	11,938.80
		For Economizer, Panel, Controls And Damper(s), Add	*4,324.43*	
		For Flat Filter Box And Throwaway Filters, Add	*12,313.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,385.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,358.38*	
		For Manual Roll Filter, Add	*47,549.63*	
		For Automatic Roll Filter, Add	*59,010.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,167.13*	
		For Electric Heating Coil, Add	*15,459.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*47,549.63*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*47,549.63*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,627.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*59,010.47*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*59,010.47*	
		For 2 Coils, Independent Circuits, Add	*15,459.29*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	147,149.66	13,970.15
		For Economizer, Panel, Controls And Damper(s), Add	*4,322.24*	
		For Flat Filter Box And Throwaway Filters, Add	*13,718.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,477.42*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,796.73*	
		For Manual Roll Filter, Add	*52,878.49*	
		For Automatic Roll Filter, Add	*65,599.67*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,714.97*	
		For Electric Heating Coil, Add	*17,259.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*52,878.49*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*52,878.49*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,436.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,599.67*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,599.67*	
		For 2 Coils, Independent Circuits, Add	*17,259.20*	
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	147,895.37	14,478.52
		For Economizer, Panel, Controls And Damper(s), Add	*4,415.45*	
		For Flat Filter Box And Throwaway Filters, Add	*13,755.36*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,529.62*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,871.30*	
		For Manual Roll Filter, Add	*52,953.06*	
		For Automatic Roll Filter, Add	*65,674.24*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,789.54*	
		For Electric Heating Coil, Add	*17,333.77*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*52,953.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*52,953.06*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,510.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,674.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,674.24*	
		For 2 Coils, Independent Circuits, Add	*17,333.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	154,687.54	14,986.06
		For Economizer, Panel, Controls And Damper(s), Add	*4,508.66*	
		For Flat Filter Box And Throwaway Filters, Add	*14,397.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,488.79*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,457.49*	
		For Manual Roll Filter, Add	*55,446.22*	
		For Automatic Roll Filter, Add	*68,772.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,468.75*	
		For Electric Heating Coil, Add	*18,133.92*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*55,446.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*55,446.22*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,794.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*68,772.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*68,772.05*	
		For 2 Coils, Independent Circuits, Add	*18,133.92*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	161,839.25	16,087.25
		For Economizer, Panel, Controls And Damper(s), Add	*4,700.80*	
		For Flat Filter Box And Throwaway Filters, Add	*15,035.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,438.57*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*37,014.85*	
		For Manual Roll Filter, Add	*57,845.77*	
		For Automatic Roll Filter, Add	*71,733.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,183.93*	
		For Electric Heating Coil, Add	*18,961.38*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*57,845.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*57,845.77*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,071.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*71,733.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*71,733.05*	
		For 2 Coils, Independent Circuits, Add	*18,961.38*	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	174,421.90	16,933.95
		For Economizer, Panel, Controls And Damper(s), Add	*4,840.54*	
		For Flat Filter Box And Throwaway Filters, Add	*16,237.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,236.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,992.83*	
		For Manual Roll Filter, Add	*62,543.46*	
		For Automatic Roll Filter, Add	*77,577.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,442.19*	
		For Electric Heating Coil, Add	*20,448.94*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*62,543.46*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*62,543.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*32,475.95*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*77,577.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*77,577.22*	
		For 2 Coils, Independent Circuits, Add	*20,448.94*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	187,513.69	17,865.32
		For Economizer, Panel, Controls And Damper(s), Add	*4,455.43*	
		For Flat Filter Box And Throwaway Filters, Add	*17,473.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*26,082.71*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*43,045.28*	
		For Manual Roll Filter, Add	*67,339.19*	
		For Automatic Roll Filter, Add	*83,535.13*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,751.37*	
		For Electric Heating Coil, Add	*21,990.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*67,339.19*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*67,339.19*	
		For Steam Heating Coil, Aluminum Fins, Add	*34,947.31*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*83,535.13*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*83,535.13*	
		For 2 Coils, Independent Circuits, Add	*21,990.56*	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	201,996.07	18,966.03
		For Economizer, Panel, Controls And Damper(s), Add	*4,607.99*	
		For Flat Filter Box And Throwaway Filters, Add	*18,845.61*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*28,133.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*46,437.03*	
		For Manual Roll Filter, Add	*72,674.45*	
		For Automatic Roll Filter, Add	*90,166.07*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*20,199.61*	
		For Electric Heating Coil, Add	*23,697.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*72,674.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*72,674.45*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,691.22*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*90,166.07*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*90,166.07*	
		For 2 Coils, Independent Circuits, Add	*23,697.93*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	216,703.71	19,474.05
		For Economizer, Panel, Controls And Damper(s), Add	*4,677.07*	
		For Flat Filter Box And Throwaway Filters, Add	*20,281.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*30,283.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*50,010.32*	
		For Manual Roll Filter, Add	*78,350.27*	
		For Automatic Roll Filter, Add	*97,243.57*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,670.37*	
		For Electric Heating Coil, Add	*25,449.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*78,350.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*78,350.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*40,563.67*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*97,243.57*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*97,243.57*	
		For 2 Coils, Independent Circuits, Add	*25,449.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0088		Return/Supply Air Fan *(23 73 13)* Note: Includes vibration mounts.		
23 73 13 00-0089	EA	300 CFM Return Air Fan	3,798.66	677.24
23 73 13 00-0090	EA	500 CFM Return Air Fan	4,933.17	812.71
23 73 13 00-0091	EA	750 CFM Return Air Fan	5,153.16	846.58
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	5,889.71	897.38
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	6,067.34	939.71
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	6,205.76	982.05
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	6,512.77	1,032.85
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	7,249.32	1,083.65
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	7,595.27	1,134.46
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	7,785.03	1,185.26
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	8,239.46	1,312.26
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	8,453.62	1,379.99
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	8,655.39	1,439.27
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	8,908.58	1,507.12
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	9,134.46	1,583.33
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	9,556.55	1,769.60
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	10,848.28	2,099.81
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	11,131.71	2,133.68
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	11,260.42	2,142.14
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	11,856.27	2,176.01
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	12,122.87	2,201.42
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	12,755.65	2,286.45
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	13,595.01	2,328.30
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	15,370.50	2,394.46
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	16,764.58	2,523.04
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	19,967.35	2,632.87
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	20,926.93	2,724.67
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	21,882.73	2,802.57
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	23,184.71	3,081.98
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	24,792.23	3,251.08
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	27,993.97	3,386.43
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	33,007.94	3,725.11
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	40,644.72	4,233.12
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	49,532.81	4,385.90
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	51,855.72	4,512.53
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	53,047.24	4,631.07
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	55,634.35	4,834.16
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	58,435.37	5,072.20
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	62,860.83	5,321.01
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	65,645.82	5,603.08
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	67,773.03	5,922.16
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	72,884.46	6,193.23
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	78,423.42	6,489.45
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	84,434.53	6,816.40
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	92,408.40	7,179.51
23 73 13 00-0134		Removal And Reinstallation Of Air Handling Unit *(23 73 13)* Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.		
23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	3,101.46	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	4,207.20	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	5,233.71	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	9,549.22	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

23 74 16 13-0001		Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)* Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,203.11	1,997.25
		For Unit Without Heat, Deduct	*-443.31*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,004.39	2,088.02
		For Unit Without Heat, Deduct	*-489.42*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,340.33	2,178.81
		For Unit Without Heat, Deduct	*-562.27*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,944.58	2,314.99
		For Unit Without Heat, Deduct	*-651.56*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-817.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,768.18	2,451.16
		For Unit Without Heat, Deduct	*-701.82*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	12,513.94	2,632.72
		For Unit Without Heat, Deduct	*-801.21*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,977.77	2,768.91
		For Unit Without Heat, Deduct	*-933.48*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,793.10	2,950.47
		For Unit Without Heat, Deduct	*-986.35*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,186.42*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	19,357.47	3,188.32
		For Unit Without Heat, Deduct	*-1,180.46*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,281.34*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	21,014.49	3,427.08
		For Unit Without Heat, Deduct	*-1,279.20*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	23,998.15	3,665.25
		For Unit Without Heat, Deduct	*-1,444.27*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	27,050.17	3,903.70
		For Unit Without Heat, Deduct	*-1,612.76*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,104.82	4,300.72
		For Unit Without Heat, Deduct	*-1,791.97*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	32,124.80	4,698.06
		For Unit Without Heat, Deduct	*-1,919.44*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	34,517.21	5,140.78
		For Unit Without Heat, Deduct	*-2,068.57*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,425.88*	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	37,687.02	5,583.20
		For Unit Without Heat, Deduct	*-2,256.56*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,425.88*	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	43,701.84	6,513.73
		For Unit Without Heat, Deduct	*-2,619.34*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,425.88*	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	50,159.34	7,444.26
		For Unit Without Heat, Deduct	*-3,004.25*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,152.06*	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	54,894.90	8,397.49
		For Unit Without Heat, Deduct	*-3,304.58*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,152.06*	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	63,278.82	9,350.73
		For Unit Without Heat, Deduct	*-3,787.32*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,152.06*	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	70,457.74	10,258.56
		For Unit Without Heat, Deduct	*-4,206.79*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,670.39*	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	76,192.84	11,166.40
		For Unit Without Heat, Deduct	*-4,554.07*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,670.39*	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	81,671.52	12,074.23
		For Unit Without Heat, Deduct	*-4,888.53*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,901.74*	
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	87,830.83	12,982.08
		For Unit Without Heat, Deduct	*-5,257.01*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,901.74*	
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	95,136.45	13,980.70
		For Unit Without Heat, Deduct	*-5,688.87*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,230.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0027		**Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units** *(23 74 16 13)* Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	6,068.47	1,815.68
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0029	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	7,082.92	2,088.02
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0030	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	8,914.85	2,405.77
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0031	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	10,109.51	2,587.34
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0032	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	11,432.25	2,791.60
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0033	EA	7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit	13,357.77	2,927.78
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0034	EA	8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit	16,621.12	2,428.46
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0035	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit	17,106.53	3,268.21
		For Unit Without Factory Installed Economizer, Deduct	*-1,186.42*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0036	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	21,337.53	3,540.57
		For Unit Without Factory Installed Economizer, Deduct	*-1,281.34*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0037	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	23,208.44	3,812.91
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0038	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	26,947.42	4,085.27
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0039	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	34,088.51	4,357.62
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0040	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	41,582.05	4,811.54
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0041	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	49,075.59	5,204.94
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0042	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	50,587.18	5,719.37
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,425.88*	
23 74 16 13-0043	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	52,830.56	6,173.29
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,425.88*	
23 74 16 13-0044	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	58,849.51	7,217.31
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,425.88*	
23 74 16 13-0045	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	65,421.32	8,261.32
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,152.06*	
23 74 16 13-0046	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	70,841.55	9,305.34
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,152.06*	
23 74 16 13-0047	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	75,674.33	10,349.34
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,152.06*	
23 74 16 13-0048	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	83,231.25	11,393.36
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,670.39*	
23 74 16 13-0049	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	90,472.87	12,437.38
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,670.39*	
23 74 16 13-0050	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	97,608.33	12,959.38
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,901.74*	
23 74 16 13-0051	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	104,819.99	13,458.69
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,901.74*	
23 74 16 13-0052	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	115,176.10	13,980.70
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,230.51*	
23 74 16 13-0053	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	109,715.20	14,525.40
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,230.51*	
23 74 16 13-0054	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	158,269.74	17,067.34
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,230.51*	
23 74 16 13-0055	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	178,367.17	20,789.48
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,230.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0056		**Dedicated Outdoor Air Systems (DOAS) Rooftop Air-Conditioning Units** *(23 74 16 13)* Note: Units < 5 tons have 14 SEER minimum, units 5 to < 20 tons have 11 EER minimum, and units 20 tons and over have 10 EER minimum, Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0057		**AAON RQ Rooftop Units** *(23 74 16 13-0056)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.		
23 74 16 13-0058	EA	2 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-002)	15,345.57	1,815.68
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,636.56*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,775.57*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,397.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,599.85*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0059	EA	3 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-003)	16,731.56	2,088.02
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0060	EA	4 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-004)	17,388.63	2,405.77
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0061	EA	5 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-005)	17,837.91	2,587.34
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0062	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-006)	19,513.42	3,154.80
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0063		**AAON RNA Rooftop Units** *(23 74 16 13-0056)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.		
23 74 16 13-0064	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-006)	23,607.45	2,791.66
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0065	EA	7 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-007)	25,202.65	2,927.84
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0066	EA	8 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-008)	28,935.75	3,154.80
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0067	EA	10 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-010)	29,226.06	3,268.21
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0068		**AAON RNB Rooftop Units** *(23 74 16 13-0056)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0069	EA	9 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-009)	34,668.16	3,268.21
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	
23 74 16 13-0070	EA	11 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-011)	34,932.65	3,177.44
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	
23 74 16 13-0071	EA	13 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-013)	38,086.75	3,540.57
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	
23 74 16 13-0072	EA	15 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-015)	39,058.35	3,812.91
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	

23 74 16 13-0073 AAON RNC Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0074	EA	16 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-016)	50,314.97	3,812.91
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0075	EA	18 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-018)	54,355.14	4,085.27
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0076	EA	20 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-020)	57,595.37	4,357.62
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0077	EA	25 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-025)	62,312.37	5,265.46
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0078	EA	30 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-030)	70,669.68	6,173.29
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	

23 74 16 13-0079 AAON RND Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0080	EA	26 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-026)	94,642.39	5,265.46
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0081	EA	31 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-031)	107,841.21	6,173.29
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0082	EA	40 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-040)	127,066.95	8,261.32
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0083	EA	50 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-050)	149,022.91	10,349.34
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0084	EA	60 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-060)	163,700.89	12,437.38
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0085	EA	70 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-070)	172,267.21	13,458.75
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	

23 74 16 13-0086 AAON RNE Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0087	EA	55 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-055)	159,067.23	11,393.36
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0088	EA	65 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-065)	175,226.03	12,959.44
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0089	EA	75 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-075)	186,315.39	13,980.70
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0090	EA	95 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-090)	225,522.99	18,928.41
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0091	EA	105 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-105)	244,297.61	21,606.53
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0092	EA	120 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-120)	284,848.91	23,785.33
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0093	EA	130 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-130)	291,839.58	25,237.88
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0094	EA	140 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-140)	305,902.59	28,233.76
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	

23 74 16 13-0095 Heat Pump, Packaged Rooftop Heat Pump Units *(23 74 16 13)*

See CSI section 01 22 23 00-0899 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0096 Packaged Rooftop Heat Pump Units *(23 74 16 13-0095)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0097	EA	2 Ton Packaged Rooftop Heat Pump	7,253.05	1,634.11
		For Economizer With Outside Air Control, Add	*2,155.00*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*253.71*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0098	EA	2.5 Ton Packaged Rooftop Heat Pump	7,639.50	1,756.73
		For Economizer With Outside Air Control, Add	*2,283.54*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*264.86*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0099	EA	3 Ton Packaged Rooftop Heat Pump	8,081.71	1,879.22
		For Economizer With Outside Air Control, Add	*2,423.79*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*278.80*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0100	EA	3.5 Ton Packaged Rooftop Heat Pump	8,672.92	2,022.18
		For Economizer With Outside Air Control, Add	*2,364.17*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*298.83*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0101	EA	4 Ton Packaged Rooftop Heat Pump	9,264.37	2,165.26
		For Economizer With Outside Air Control, Add	*2,527.63*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*318.87*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0102	EA	5 Ton Packaged Rooftop Heat Pump	9,930.17	2,328.66
		For Economizer With Outside Air Control, Add	*2,712.71*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*273.01*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0103	EA	6 Ton Packaged Rooftop Heat Pump	11,164.13	2,512.41
		For Economizer With Outside Air Control, Add	*3,003.38*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*234.43*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0104	EA	7.5 Ton Packaged Rooftop Heat Pump	14,312.29	2,635.03
		For Economizer With Outside Air Control, Add	*3,052.54*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*323.97*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0105	EA	8.5 Ton Packaged Rooftop Heat Pump	16,000.64	2,839.23
		For Economizer With Outside Air Control, Add	*3,236.49*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*366.45*	
		For Unit Without Roof Curb, Deduct	*-981.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0106	EA	10 Ton Packaged Rooftop Heat Pump	17,195.53	2,941.40
		For Economizer With Outside Air Control, Add	*3,288.30*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*265.47*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0107	EA	12.5 Ton Packaged Rooftop Heat Pump	19,931.41	3,186.51
		For Economizer With Outside Air Control, Add	*3,692.61*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*313.65*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0108	EA	15 Ton Packaged Rooftop Heat Pump	22,667.30	3,431.62
		For Economizer With Outside Air Control, Add	*4,096.93*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*361.84*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0109	EA	17.5 Ton Packaged Rooftop Heat Pump	25,374.63	3,676.74
		For Economizer With Outside Air Control, Add	*4,498.40*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*409.45*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0110	EA	20 Ton Packaged Rooftop Heat Pump	28,081.94	3,921.86
		For Economizer With Outside Air Control, Add	*4,899.85*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*457.06*	
		For Unit Without Roof Curb, Deduct	*-981.10*	

23 74 16 13-0111 Heating Only Packaged Rooftop Units *(23 74 16 13-0095)*

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0112	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	7,125.84	1,634.11
		For Gas Heat, Add	*455.23*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0113	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	8,367.11	1,879.22
		For Gas Heat, Add	*535.59*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0114	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	11,401.81	2,165.26
		For Gas Heat, Add	*740.39*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0115	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	12,848.95	2,328.66
		For Gas Heat, Add	*837.33*	
		For Unit Without Roof Curb, Deduct	*-817.58*	
23 74 16 13-0116	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	15,086.38	2,635.03
		For Gas Heat, Add	*985.78*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0117	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	16,977.76	2,839.23
		For Gas Heat, Add	*1,112.73*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0118	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	20,040.18	2,941.40
		For Gas Heat, Add	*1,324.38*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0119	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	25,982.65	3,431.62
		For Gas Heat, Add	*1,727.28*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0120	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	34,209.73	3,676.74
		For Gas Heat, Add	*2,296.63*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0121	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	39,888.33	3,921.86
		For Gas Heat, Add	*2,687.60*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0122	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	51,772.23	4,330.39
		For Gas Heat, Add	*3,508.58*	
		For Unit Without Roof Curb, Deduct	*-981.10*	
23 74 16 13-0123	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	64,713.52	5,510.57
		For Gas Heat, Add	*4,392.68*	
		For Unit Without Roof Curb, Deduct	*-1,425.88*	
23 74 16 13-0124	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	72,317.49	5,555.96
		For Gas Heat, Add	*4,914.07*	
		For Unit Without Roof Curb, Deduct	*-1,425.88*	
23 74 16 13-0125	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	88,020.13	6,495.63
		For Gas Heat, Add	*5,988.19*	
		For Unit Without Roof Curb, Deduct	*-1,425.88*	
23 74 16 13-0126	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	114,150.07	8,374.87
		For Gas Heat, Add	*7,767.18*	
		For Unit Without Roof Curb, Deduct	*-2,152.06*	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001 Make-Up Air Units *(23 74 23 13)*

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0900 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	8,181.13	544.70
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,181.99*	
		For Equipment Base Roof Curb, Add	*995.41*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	10,576.98	617.33
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,861.40*	
		For Equipment Base Roof Curb, Add	*1,290.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,722.26	726.27
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,053.54*	
		For Equipment Base Roof Curb, Add	*1,803.97*	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,842.08	774.69
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,062.25*	
		For Equipment Base Roof Curb, Add	*1,816.22*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	20,289.67	871.52
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,651.14*	
		For Equipment Base Roof Curb, Add	*2,492.63*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	30,772.47	1,089.40
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,687.04*	
		For Equipment Base Roof Curb, Add	*3,792.09*	

23 74 23 13-0009 Electric Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0900 for crane lifting equipment.

23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	16,913.46	544.70
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,801.69*	
		For Equipment Base Roof Curb, Add	*2,086.95*	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	24,205.27	617.33
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,949.89*	
		For Equipment Base Roof Curb, Add	*2,994.49*	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	29,995.52	726.27
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,635.52*	
		For Equipment Base Roof Curb, Add	*3,713.13*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	38,813.84	871.52
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*11,208.39*	
		For Equipment Base Roof Curb, Add	*4,808.15*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	62,801.11	1,089.40
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*18,295.63*	
		For Equipment Base Roof Curb, Add	*7,795.67*	

23 76 Evaporative Air-Cooling Equipment *(23 70)*

23 76 13 Direct Evaporative Air-Coolers *(23 76)*

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,645.98	383.92
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,944.71	447.91
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,523.00	511.90
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,744.79	575.89
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,154.22	639.88
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,394.77	703.86

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,140.10	361.72
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,240.54	373.43
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,849.97	518.63
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,300.09	612.20
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,954.51	896.24
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,267.38	955.99
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,406.84	1,075.49
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,149.19	1,344.37
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,142.04	1,757.35
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,422.58	1,792.49
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	13,070.47	1,991.69
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	17,482.02	3,111.99
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	19,628.96	3,247.27

23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,136.26	239.96
		For >35 To 70, Deduct	*-49.69*	
		For >70 To 100, Deduct	*-82.82*	
		For >100, Deduct	*-115.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,236.77	276.40
		For >35 To 70, Deduct	*-50.54*	
		For >70 To 100, Deduct	*-84.23*	
		For >100, Deduct	*-117.92*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,367.76	294.56
		For >35 To 70, Deduct	*-53.34*	
		For >70 To 100, Deduct	*-88.90*	
		For >100, Deduct	*-124.45*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,558.54	316.63
		For >35 To 70, Deduct	*-57.77*	
		For >70 To 100, Deduct	*-96.28*	
		For >100, Deduct	*-134.79*	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,260.91	245.26
		For >35 To 70, Deduct	*-53.14*	
		For >70 To 100, Deduct	*-88.56*	
		For >100, Deduct	*-123.99*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,386.56	276.40
		For >35 To 70, Deduct	*-55.03*	
		For >70 To 100, Deduct	*-91.72*	
		For >100, Deduct	*-128.41*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,476.31	294.56
		For >35 To 70, Deduct	*-56.59*	
		For >70 To 100, Deduct	*-94.32*	
		For >100, Deduct	*-132.05*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,701.82	316.63
		For >35 To 70, Deduct	*-62.06*	
		For >70 To 100, Deduct	*-103.44*	
		For >100, Deduct	*-144.82*	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve *(23 81 13 11)*

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	102.13
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	114.88
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	127.63

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13 11)*

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	255.95

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units *(23 81 13)*

23 81 13 13-0001 Single Package Vertical Wall Cooling Unit *(23 81 13 13)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0900 for crane lifting equipment.

23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	5,232.25	291.35
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	8,055.47	305.22
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	10,524.87	319.10
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	12,101.39	346.85
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	15,174.37	402.34
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	16,289.23	499.46
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	18,035.20	554.95
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	19,861.21	624.33
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	22,352.45	749.19
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	28,891.19	929.55
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	34,478.87	1,248.65
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	48,316.65	1,526.13
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	55,670.06	1,817.48
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	66,521.05	2,039.46

23 81 16 Room Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001 Window Unit, Room Air-Conditioners *(23 81 16)*

23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	536.46	134.37
		For >10 To 50, Deduct	*-13.39*	
		For >50 To 75, Deduct	*-18.74*	
		For >75 To 100, Deduct	*-26.77*	
		For >100, Deduct	*-32.13*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	563.37	134.37
		For >10 To 50, Deduct	*-14.73*	
		For >50 To 75, Deduct	*-20.62*	
		For >75 To 100, Deduct	*-29.46*	
		For >100, Deduct	*-35.35*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	630.64	134.37
		For >10 To 50, Deduct	*-18.09*	
		For >50 To 75, Deduct	*-25.33*	
		For >75 To 100, Deduct	*-36.19*	
		For >100, Deduct	*-43.43*	
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	724.81	134.37
		For >10 To 50, Deduct	*-22.80*	
		For >50 To 75, Deduct	*-31.92*	
		For >75 To 100, Deduct	*-45.61*	
		For >100, Deduct	*-54.73*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	845.88	134.37
		For >10 To 50, Deduct	*-28.86*	
		For >50 To 75, Deduct	*-40.40*	
		For >75 To 100, Deduct	*-57.71*	
		For >100, Deduct	*-69.26*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	980.41	134.37
		For >10 To 50, Deduct	*-35.58*	
		For >50 To 75, Deduct	*-49.82*	
		For >75 To 100, Deduct	*-71.17*	
		For >100, Deduct	*-85.40*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	926.60	134.37
		For >10 To 50, Deduct	*-32.89*	
		For >50 To 75, Deduct	*-46.05*	
		For >75 To 100, Deduct	*-65.79*	
		For >100, Deduct	*-78.94*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	993.87	134.37
		For >10 To 50, Deduct	*-36.26*	
		For >50 To 75, Deduct	*-50.76*	
		For >75 To 100, Deduct	*-72.51*	
		For >100, Deduct	*-87.01*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,047.68	134.37
		For >10 To 50, Deduct	*-38.95*	
		For >50 To 75, Deduct	*-54.53*	
		For >75 To 100, Deduct	*-77.89*	
		For >100, Deduct	*-93.47*	
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,101.49	134.37
		For >10 To 50, Deduct	*-41.64*	
		For >50 To 75, Deduct	*-58.29*	
		For >75 To 100, Deduct	*-83.27*	
		For >100, Deduct	*-99.93*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,209.11	134.37
		For >10 To 50, Deduct	*-47.02*	
		For >50 To 75, Deduct	*-65.83*	
		For >75 To 100, Deduct	*-94.04*	
		For >100, Deduct	*-112.84*	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,222.57	134.37
		For >10 To 50, Deduct	*-47.69*	
		For >50 To 75, Deduct	*-66.77*	
		For >75 To 100, Deduct	*-95.38*	
		For >100, Deduct	*-114.46*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,995.39	134.37
		For >10 To 50, Deduct	*-86.33*	
		For >50 To 75, Deduct	*-120.86*	
		For >75 To 100, Deduct	*-172.66*	
		For >100, Deduct	*-207.20*	

23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*

23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	2,115.81	134.37
23 81 16 00-0019	EA	10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	2,321.24	134.37
23 81 16 00-0020	EA	11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	2,414.62	134.37
23 81 16 00-0021	EA	12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	2,451.97	134.37
23 81 16 00-0022	EA	20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	2,788.14	134.37
23 81 16 00-0023	EA	24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	3,628.56	134.37
23 81 16 00-0024	EA	28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	3,908.70	134.37
23 81 16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	4,282.22	134.37

23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,047.68	134.37
		For >10 To 50, Deduct	*-38.95*	
		For >50 To 75, Deduct	*-54.53*	
		For >75 To 100, Deduct	*-77.89*	
		For >100, Deduct	*-93.47*	
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,195.66	134.37
		For >10 To 50, Deduct	*-46.35*	
		For >50 To 75, Deduct	*-64.88*	
		For >75 To 100, Deduct	*-92.69*	
		For >100, Deduct	*-111.23*	
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,276.38	134.37
		For >10 To 50, Deduct	*-50.38*	
		For >50 To 75, Deduct	*-70.53*	
		For >75 To 100, Deduct	*-100.76*	
		For >100, Deduct	*-120.92*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,572.35	134.37
		For >10 To 50, Deduct	*-65.18*	
		For >50 To 75, Deduct	*-91.25*	
		For >75 To 100, Deduct	*-130.36*	
		For >100, Deduct	*-156.43*	

23 81 16 00-0032 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 16 00-0026)*

23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	2,545.35	134.37

23 81 16 00-0034 Accessories *(23 81 16 00-0001)*

23 81 16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	633.32	71.37

23 81 16 00-0036 Removal And Reinstallation Of Room Air-Conditioners *(23 81 16)*

Note: Includes storage and cleaning.

23 81 16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	159.96	
23 81 16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	341.25	

23 81 16 00-0039 Through-The-Wall, Room Air-Conditioners *(23 81 16)*

Note: Base unit excludes wall sleeve.

23 81 16 00-0040 Cooling Only, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*

23 81 16 00-0041 Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0040)*

23 81 16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	1,590.80	95.98
		For >10 To 50, Deduct	*-69.94*	
		For >50 To 75, Deduct	*-97.92*	
		For >75 To 100, Deduct	*-139.88*	
		For >100, Deduct	*-167.86*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*291.86*	
23 81 16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	1,721.53	95.98
		For >10 To 50, Deduct	*-76.48*	
		For >50 To 75, Deduct	*-107.07*	
		For >75 To 100, Deduct	*-152.96*	
		For >100, Deduct	*-183.55*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*291.86*	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,964.32	95.98
		For >10 To 50, Deduct	*-88.62*	
		For >50 To 75, Deduct	*-124.06*	
		For >75 To 100, Deduct	*-177.24*	
		For >100, Deduct	*-212.68*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*291.86*	
23 81 16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	1,721.53	95.98
		For >10 To 50, Deduct	*-76.48*	
		For >50 To 75, Deduct	*-107.07*	
		For >75 To 100, Deduct	*-152.96*	
		For >100, Deduct	*-183.55*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*291.86*	
23 81 16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,964.32	95.98
		For >10 To 50, Deduct	*-88.62*	
		For >50 To 75, Deduct	*-124.06*	
		For >75 To 100, Deduct	*-177.24*	
		For >100, Deduct	*-212.68*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*291.86*	

23 81 16 00-0047 Heating And Cooling, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*

23 81 16 00-0048 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0047)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	2,020.35	95.98
		For >10 To 50, Deduct	*-91.42*	
		For >50 To 75, Deduct	*-127.99*	
		For >75 To 100, Deduct	*-182.84*	
		For >100, Deduct	*-219.41*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*291.86*	
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	2,169.76	95.98
		For >10 To 50, Deduct	*-98.89*	
		For >50 To 75, Deduct	*-138.45*	
		For >75 To 100, Deduct	*-197.78*	
		For >100, Deduct	*-237.33*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*291.86*	

23 81 23 Computer-Room Air-Conditioners *(23 81)*

Note: Includes equipment rigging. Indoor units include filters.

23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units *(23 81 23)*

23 81 23 12-0001 Floor Mounted Air-Cooled Direct Expansion Type *(23 81 23 12)*

Note: Includes compressor sequence switch, mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, condensate pump, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 12-0002	EA	3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	42,747.03	2,731.50
		For Liebert Unit, Add	*4,830.66*	
23 81 23 12-0003	EA	5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	47,181.75	2,987.57
		For Liebert Unit, Add	*5,334.45*	
23 81 23 12-0004	EA	6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	70,562.84	3,414.37
		For Liebert Unit, Add	*8,185.56*	
23 81 23 12-0005	EA	8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	75,204.71	3,627.77
		For Liebert Unit, Add	*8,726.12*	
23 81 23 12-0006	EA	10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	79,846.60	3,841.17
		For Liebert Unit, Add	*9,266.68*	
23 81 23 12-0007	EA	16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	93,984.38	4,609.40
		For Liebert Unit, Add	*10,878.65*	
23 81 23 12-0008	EA	20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	106,230.45	5,121.55
		For Liebert Unit, Add	*12,326.61*	
23 81 23 12-0009	EA	22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	117,266.95	5,290.48
		For Liebert Unit, Add	*13,669.76*	
23 81 23 12-0010	EA	24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	127,026.91	5,462.99
		For Liebert Unit, Add	*14,852.92*	
23 81 23 12-0011	EA	30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	137,330.80	6,145.86
		For Liebert Unit, Add	*16,023.72*	

23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	25,551.32	1,871.64
		For Liebert Unit, Add	*2,881.98*	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	27,461.88	2,073.19
		For Liebert Unit, Add	*3,087.20*	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	34,003.13	3,157.78
		For Liebert Unit, Add	*3,724.10*	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,544.00	3,199.38
		For Liebert Unit, Add	*3,909.83*	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	36,911.41	3,327.35
		For Liebert Unit, Add	*4,057.24*	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	37,792.64	3,647.28
		For Liebert Unit, Add	*4,116.20*	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	40,095.35	3,967.22
		For Liebert Unit, Add	*4,352.05*	

23 81 23 12-0020 Floor Mounted Water Source For Computer Room Air Conditioner *(23 81 23 12)*

Note: Excludes computer room air conditioner

23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	19,815.85	1,707.18
		For Liebert Unit, Add	*2,158.07*	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	21,803.32	1,792.54
		For Liebert Unit, Add	*2,390.47*	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	28,238.44	1,877.91
		For Liebert Unit, Add	*3,179.00*	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	30,433.94	2,048.62
		For Liebert Unit, Add	*3,419.70*	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	32,022.96	2,134.24
		For Liebert Unit, Add	*3,602.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0026	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	33,611.99	2,219.34
		For Liebert Unit, Add	*3,784.91*	
23 81 23 12-0027	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	34,936.54	2,390.06
		For Liebert Unit, Add	*3,917.72*	
23 81 23 12-0028	EA	16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	36,478.55	2,560.77
		For Liebert Unit, Add	*4,083.72*	
23 81 23 12-0029	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	37,575.47	2,731.50
		For Liebert Unit, Add	*4,190.70*	
23 81 23 12-0030	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	42,918.01	3,243.65
		For Liebert Unit, Add	*4,758.81*	

23 81 23 12-0031 Floor Mounted Glycol System Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

23 81 23 12-0032	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	51,927.33	1,871.64
		For Drycooler, Add	*18,548.89*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0033	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	55,874.23	2,073.19
		For Drycooler, Add	*19,970.62*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0034	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	73,117.06	2,322.74
		For Drycooler, Add	*26,055.52*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0035	EA	8 Ton Computer Room Air Conditioner, Glycol System Type	84,601.74	2,572.30
		For Drycooler, Add	*30,125.07*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0036	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	89,384.24	2,697.07
		For Drycooler, Add	*31,823.90*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0037	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	95,461.15	2,821.84
		For Drycooler, Add	*33,975.77*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0038	EA	12 Ton Computer Room Air Conditioner, Glycol System Type	101,942.25	2,947.26
		For Drycooler, Add	*36,269.11*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0039	EA	15 Ton Computer Room Air Conditioner, Glycol System Type	109,468.91	3,058.60
		For Drycooler, Add	*38,928.40*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0040	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	116,584.65	3,199.38
		For Drycooler, Add	*41,447.70*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0041	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	127,904.83	3,327.35
		For Drycooler, Add	*45,434.72*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0042	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	132,567.57	3,647.28
		For Drycooler, Add	*47,128.11*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0043	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	161,670.87	3,967.22
		For Drycooler, Add	*57,376.65*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

23 81 23 12-0044 Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

23 81 23 12-0045	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	2,559.50	
23 81 23 12-0046	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	2,132.92	

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.

23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	16,962.41	811.36
		For Liebert Unit, Add	*1,968.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	18,753.93	974.40
		For Liebert Unit, Add	*2,161.63*	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	21,418.16	1,219.47
		For Liebert Unit, Add	*2,448.74*	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	26,316.72	1,422.70
		For Liebert Unit, Add	*3,022.98*	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	35,689.89	1,546.32
		For Liebert Unit, Add	*4,171.44*	

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*

See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.

23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.

23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,296.61	422.31
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,490.44	460.71
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,095.11	511.90
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,439.44	563.09
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,212.67	614.28
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,043.61	639.88
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,624.37	682.10

23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	996.75	204.76
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,054.78	217.56
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,113.70	230.36
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,254.33	243.15
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,341.09	255.95
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,682.79	307.14
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,966.72	332.73
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,633.16	358.33

23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,565.78	614.28
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,783.49	733.30
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,234.43	767.85

23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,458.69	511.90
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,023.87	563.09
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,559.09	665.47
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,424.40	733.30
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,054.88	767.85

23 81 26 13-0030 Ductless Split System Accessories *(23 81 26 13-0002)*

23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	14.86	1.83
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	19.13	2.02
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.84	2.22
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.91	3.44
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	42.88	3.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	48.87	4.16
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.94	6.88
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	102.71	7.56
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	114.67	8.33
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	82.67	7.34
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	96.98	8.08
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	150.21	8.88
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.94	6.88
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	102.71	7.56
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	114.67	8.33
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	80.66	11.47
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	118.00	12.61
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	141.17	13.87
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	45.62	2.29
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	49.85	6.88
23 81 26 13-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	80.95	7.56
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	45.01	6.88
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.60	7.56
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	66.31	8.33
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	218.82	9.17
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	248.19	10.09
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	138.05	34.40
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	152.26	36.69
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	207.57	38.98
23 81 26 13-0060	EA	End Cap, Set of 4	24.16	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity	293.21	68.79
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity	311.23	73.38
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.24	0.18
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.35	0.18

23 81 26 13-0065 Cased A/C Evaporator Coils *(23 81 26 13-0001)*

23 81 26 13-0066 Vertical Cased A/C Evaporator Coils *(23 81 26 13-0065)*

23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	908.10	129.77
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	945.72	139.50
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,131.23	149.23
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,293.40	158.97
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,503.54	165.45
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,682.55	171.94
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,807.10	184.92
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,816.21	194.65

23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*

23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,122.15	133.01
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,295.26	140.47
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,487.96	149.23
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,541.54	154.62
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,613.81	162.21
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,630.84	170.64
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,647.55	179.07

23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*

23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	974.27	133.01
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,174.04	149.23
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,359.56	162.21
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,644.96	179.07

23 81 26 16 Large-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)*

23 81 26 16-0002 Outdoor Units *(23 81 26 16-0001)*

23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	17,257.38	671.87
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	18,721.57	799.84
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	21,086.22	959.81
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	25,931.52	991.81
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	34,453.18	1,023.80
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	35,725.40	1,055.79
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	36,997.63	1,087.78
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	39,170.32	1,151.77
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	41,343.01	1,215.76
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	46,252.31	1,279.75
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	51,161.60	1,343.74

23 81 26 16-0014 Indoor Units *(23 81 26 16-0001)*

23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,810.04	207.96
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,903.99	223.96
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,987.62	239.96
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	2,086.74	255.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	2,265.34	303.94
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	2,534.78	367.93
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	2,746.45	399.92
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,610.65	228.76
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	2,702.64	246.35
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	2,851.44	263.95
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	3,093.16	281.55
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	3,271.03	334.33
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	3,597.68	404.72
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	3,782.62	422.31
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	3,988.21	439.91
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	4,422.13	483.91
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	4,901.01	532.29
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	5,306.94	585.53
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	6,709.74	644.08
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	7,613.08	708.48
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	2,968.13	263.95
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	3,130.34	281.55
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	3,311.31	334.33
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	3,717.47	404.72
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	4,005.76	439.91
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	4,892.00	483.91
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	2,667.45	228.76
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	2,805.91	246.35
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	3,016.67	263.95
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	3,175.78	281.55
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	2,475.45	246.35
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,603.59	263.95
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	2,736.89	281.55
23 81 26 16-0048		**Controllers For Outdoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	9,316.63	191.97
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	10,774.74	223.96
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	11,907.55	255.95
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	14,129.85	287.94
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	5,197.34	127.97
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	8,005.12	191.97
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	12,234.88	287.94
23 81 26 16-0056		**Energy Recovery Units** *(23 81 26 16-0001)*		
23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	6,600.67	191.97
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	12,466.31	191.97
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	12,649.06	223.96
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	2,643.48	159.96
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	3,363.65	166.36
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	4,006.39	172.77
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	7,287.40	191.97
23 81 26 16-0064		**Piping Specialties** *(23 81 26 16-0001)*		
23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	919.09	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	252.18	49.29
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	252.18	49.29
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	279.33	51.89
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	349.09	58.38
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	457.78	84.31
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	781.32	168.63
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	139.61	20.76
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	158.28	28.53
23 81 26 16-0074		**Split System Air Conditioners (Daikin VRV)** *(23 81 26 16)*		
23 81 26 16-0075		**Heat Pump Outdoor Units** *(23 81 26 16-0074)*		
23 81 26 16-0076	EA	6 Ton Heat Pump Outdoor Unit (Daikin)	26,305.42	671.87
23 81 26 16-0077	EA	8 Ton Heat Pump Outdoor Unit (Daikin)	29,407.87	799.84
23 81 26 16-0078	EA	10 Ton Heat Pump Outdoor Unit (Daikin)	32,793.28	959.81
23 81 26 16-0079	EA	12 Ton Heat Pump Outdoor Unit (Daikin)	40,958.86	991.81
23 81 26 16-0080	EA	14 Ton Heat Pump Outdoor Unit (Daikin)	54,881.44	1,055.79
23 81 26 16-0081	EA	16 Ton Heat Pump Outdoor Unit (Daikin)	58,010.90	1,087.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0082	EA	18 Ton Heat Pump Outdoor Unit (Daikin)	60,985.39	1,151.77
23 81 26 16-0083	EA	20 Ton Heat Pump Outdoor Unit (Daikin)	64,178.83	1,215.76
23 81 26 16-0084	EA	22 Ton Heat Pump Outdoor Unit (Daikin)	83,137.55	1,279.75
23 81 26 16-0085	EA	24 Ton Heat Pump Outdoor Unit (Daikin)	86,330.98	1,343.74
23 81 26 16-0086	EA	26 Ton Heat Pump Outdoor Unit (Daikin)	89,524.42	1,407.72
23 81 26 16-0087	EA	28 Ton Heat Pump Outdoor Unit (Daikin)	92,498.91	1,471.71
23 81 26 16-0088	EA	30 Ton Heat Pump Outdoor Unit (Daikin)	95,692.35	1,535.70

23 81 26 16-0089 Heat Recovery Heat Pump Outdoor Units *(23 81 26 16-0074)*

23 81 26 16-0090	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	33,688.46	873.43
23 81 26 16-0091	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	36,745.83	1,039.79
23 81 26 16-0092	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	40,375.95	1,247.76
23 81 26 16-0093	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	50,750.36	1,289.35
23 81 26 16-0094	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	68,652.65	1,372.53
23 81 26 16-0095	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	73,990.92	1,414.12
23 81 26 16-0096	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	76,784.83	1,497.30
23 81 26 16-0097	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	79,578.74	1,580.49
23 81 26 16-0098	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	104,816.27	1,663.67
23 81 26 16-0099	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	107,610.18	1,746.85
23 81 26 16-0100	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	113,031.64	1,830.04
23 81 26 16-0101	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	115,825.54	1,913.23

23 81 26 16-0102 Indoor Units *(23 81 26 16-0074)*

23 81 26 16-0103	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,009.35	223.96
23 81 26 16-0104	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,144.03	230.36
23 81 26 16-0105	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,557.76	239.96
23 81 26 16-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,987.33	303.94
23 81 26 16-0107	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,375.58	367.93
23 81 26 16-0108	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,409.23	246.35
23 81 26 16-0109	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,557.58	253.39
23 81 26 16-0110	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,787.33	140.77
23 81 26 16-0111	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,083.03	334.33
23 81 26 16-0112	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,023.22	404.72
23 81 26 16-0113	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,888.89	439.91
23 81 26 16-0114	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,361.09	483.91
23 81 26 16-0115	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,612.80	532.29
23 81 26 16-0116	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	4,933.91	246.35
23 81 26 16-0117	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,051.28	253.39
23 81 26 16-0118	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,371.92	263.95
23 81 26 16-0119	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,729.59	334.33

23 81 26 16-0120 Branch Selector Boxes *(23 81 26 16-0074)*

23 81 26 16-0121	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin)	15,027.39	287.94
23 81 26 16-0122	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin)	22,226.13	383.92
23 81 26 16-0123	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin)	2,961.99	127.97
23 81 26 16-0124	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	3,992.66	191.97
23 81 26 16-0125	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	4,955.13	287.94

23 81 26 16-0126 Controllers *(23 81 26 16-0074)*

23 81 26 16-0127	EA	Up To 16 Units, Navigation Controller (Daikin)	927.30	25.59
23 81 26 16-0128	EA	Individual Zone Controller (Daikin)	671.15	25.59
23 81 26 16-0129	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin)	1,297.05	25.59
23 81 26 16-0130	EA	Up To 64 Units, Multizone Controller (Daikin)	1,815.54	25.59
23 81 26 16-0131	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin)	16,911.45	307.14
23 81 26 16-0132	EA	I-Touch Manager D3net Plus Adapter (Daikin)	3,147.90	25.59
23 81 26 16-0133	EA	24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin))	692.58	45.17

23 81 26 16-0134 Energy Recovery Units *(23 81 26 16-0074)*

23 81 26 16-0135	EA	300 CFM Energy Recovery Unit (Daikin)	5,192.88	159.96
23 81 26 16-0136	EA	470 CFM Energy Recovery Unit (Daikin)	6,738.40	166.36
23 81 26 16-0137	EA	600 CFM Energy Recovery Unit (Daikin)	8,064.98	172.77
23 81 26 16-0138	EA	1,200 CFM Energy Recovery Unit (Daikin)	15,054.38	191.97

23 81 43 Air-Source Unitary Heat Pumps *(23 81)*

23 81 43 00-0001 Single Package Thru-Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0900 for crane lifting equipment.

23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,358.24	208.11
		For Unit Economizer, Add	*314.06*	
		For >35 To 70, Deduct	*-58.68*	
		For >70 To 100, Deduct	*-97.80*	
		For >100, Deduct	*-136.91*	
		For Low Ambient Protection, 0 Degree F, Add	*276.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,603.32	221.99
		For Unit Economizer, Add	*347.26*	
		For >35 To 70, Deduct	*-65.20*	
		For >70 To 100, Deduct	*-108.66*	
		For >100, Deduct	*-152.13*	
		For Low Ambient Protection, 0 Degree F, Add	*303.11*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,428.82	221.99
		For Unit Economizer, Add	*602.83*	
		For >35 To 70, Deduct	*-119.96*	
		For >70 To 100, Deduct	*-199.94*	
		For >100, Deduct	*-279.91*	
		For Low Ambient Protection, 0 Degree F, Add	*467.41*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,847.75	221.99
		For Unit Economizer, Add	*660.37*	
		For >35 To 70, Deduct	*-131.70*	
		For >70 To 100, Deduct	*-219.50*	
		For >100, Deduct	*-307.29*	
		For Low Ambient Protection, 0 Degree F, Add	*246.16*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,484.01	235.86
		For Unit Economizer, Add	*748.34*	
		For >35 To 70, Deduct	*-149.95*	
		For >70 To 100, Deduct	*-249.92*	
		For >100, Deduct	*-349.89*	
		For Low Ambient Protection, 0 Degree F, Add	*271.35*	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,744.80	249.73
		For Unit Economizer, Add	*784.85*	
		For >35 To 70, Deduct	*-157.78*	
		For >70 To 100, Deduct	*-262.96*	
		For >100, Deduct	*-368.14*	
		For Low Ambient Protection, 0 Degree F, Add	*805.09*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,467.98	249.73
		For Unit Economizer, Add	*884.98*	
		For >35 To 70, Deduct	*-178.64*	
		For >70 To 100, Deduct	*-297.73*	
		For >100, Deduct	*-416.82*	
		For Low Ambient Protection, 0 Degree F, Add	*902.44*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,133.82	263.60
		For Unit Economizer, Add	*977.65*	
		For >35 To 70, Deduct	*-198.20*	
		For >70 To 100, Deduct	*-330.33*	
		For >100, Deduct	*-462.46*	
		For Low Ambient Protection, 0 Degree F, Add	*990.66*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	8,216.74	305.22
		For Unit Economizer, Add	*1,125.93*	
		For >35 To 70, Deduct	*-228.19*	
		For >70 To 100, Deduct	*-380.31*	
		For >100, Deduct	*-532.44*	
		For Low Ambient Protection, 0 Degree F, Add	*1,141.43*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	15,035.14	360.72
		For Unit Economizer, Add	*2,075.51*	
		For >35 To 70, Deduct	*-428.99*	
		For >70 To 100, Deduct	*-714.99*	
		For >100, Deduct	*-1,000.99*	
		For Low Ambient Protection, 0 Degree F, Add	*2,042.81*	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	19,358.50	457.83
		For Unit Economizer, Add	*2,673.01*	
		For >35 To 70, Deduct	*-552.87*	
		For >70 To 100, Deduct	*-921.45*	
		For >100, Deduct	*-1,290.03*	
		For Low Ambient Protection, 0 Degree F, Add	*416.68*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	23,628.21	513.34
		For Unit Economizer, Add	*3,266.88*	
		For >35 To 70, Deduct	*-678.05*	
		For >70 To 100, Deduct	*-1,130.08*	
		For >100, Deduct	*-1,582.11*	
		For Low Ambient Protection, 0 Degree F, Add	*482.68*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	29,142.68	582.70
		For Unit Economizer, Add	*4,033.91*	
		For >35 To 70, Deduct	*-839.73*	
		For >70 To 100, Deduct	*-1,399.56*	
		For >100, Deduct	*-1,959.38*	
		For Low Ambient Protection, 0 Degree F, Add	*567.80*	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	38,801.98	624.33
		For Unit Economizer, Add	*5,382.33*	
		For >35 To 70, Deduct	*-1,126.60*	
		For >70 To 100, Deduct	*-1,877.67*	
		For >100, Deduct	*-2,628.73*	
		For Low Ambient Protection, 0 Degree F, Add	*687.70*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	46,736.59	679.82
		For Unit Economizer, Add	*6,488.74*	
		For >35 To 70, Deduct	*-1,361.31*	
		For >70 To 100, Deduct	*-2,268.85*	
		For >100, Deduct	*-3,176.39*	
		For Low Ambient Protection, 0 Degree F, Add	*793.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0017		**Single Package Vertical Wall Heat Pumps** *(23 81 43)* Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0900 for crane lifting equipment.		
23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,621.40	277.48
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,388.29	305.22
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,664.37	319.10
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,491.86	346.85
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,113.98	402.34
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,671.01	457.83
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,420.05	513.34
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,598.69	568.83
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	11,954.02	679.82
23 81 43 00-0027		**Heat Pump, Room Air-Conditioners** *(23 81 43)* Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028		**Heat Pump, Window Unit, Room Air-Conditioners** *(23 81 43 00-0027)*		
23 81 43 00-0029		**Heat Pump, Window Unit, Room Air-Conditioners (Friedrich)** *(23 81 43 00-0028)*		
23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	2,601.38	134.37
		For >10 To 50, Deduct	*-116.63*	
		For >50 To 75, Deduct	*-163.28*	
		For >75 To 100, Deduct	*-233.26*	
		For >100, Deduct	*-279.92*	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	2,937.55	134.37
		For >10 To 50, Deduct	*-133.44*	
		For >50 To 75, Deduct	*-186.82*	
		For >75 To 100, Deduct	*-266.88*	
		For >100, Deduct	*-320.26*	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	3,441.80	134.37
		For >10 To 50, Deduct	*-158.65*	
		For >50 To 75, Deduct	*-222.11*	
		For >75 To 100, Deduct	*-317.31*	
		For >100, Deduct	*-380.77*	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	4,002.08	134.37
		For >10 To 50, Deduct	*-186.67*	
		For >50 To 75, Deduct	*-261.33*	
		For >75 To 100, Deduct	*-373.33*	
		For >100, Deduct	*-448.00*	
23 81 43 00-0034		**Heat Pump, Through-The-Wall, Room Air-Conditioners** *(23 81 43 00-0027)* Note: Base unit excludes wall sleeve.		
23 81 43 00-0035		**Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 43 00-0034)*		
23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	2,617.98	95.98
		For >10 To 50, Deduct	*-121.30*	
		For >50 To 75, Deduct	*-169.82*	
		For >75 To 100, Deduct	*-242.60*	
		For >100, Deduct	*-291.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*291.86*	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	2,617.98	95.98
		For >10 To 50, Deduct	*-121.30*	
		For >50 To 75, Deduct	*-169.82*	
		For >75 To 100, Deduct	*-242.60*	
		For >100, Deduct	*-291.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*291.86*	
23 81 49		**Split System Heat Pumps** *(23 81)*		
23 81 49 00-0001		**Air-Cooled, Outdoor Section** *(23 81 49)* Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.		
23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,543.40	412.05
		For Low Ambient Protection, 0 Degree F, Add	*822.32*	
		For Winterstart Control, Add	*219.20*	
		For 15 SEER, Add	*705.43*	
		For 16 SEER, Add	*1,136.53*	
		For 18 SEER, Add	*1,724.39*	
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,689.14	457.83
		For Low Ambient Protection, 0 Degree F, Add	*852.65*	
		For Winterstart Control, Add	*229.19*	
		For 15 SEER, Add	*719.18*	
		For 16 SEER, Add	*1,158.68*	
		For 18 SEER, Add	*1,758.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,126.72	531.37
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*935.92*	
		For Winterstart Control, Add	*253.35*	
		For 15 SEER, Add	*777.97*	
		For 16 SEER, Add	*1,253.39*	
		For 18 SEER, Add	*1,901.70*	
23 81 49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit	5,599.94	610.45
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*792.24*	
		For Winterstart Control, Add	*279.50*	
		For 15 SEER, Add	*841.49*	
		For 16 SEER, Add	*1,355.74*	
		For 18 SEER, Add	*2,056.99*	
23 81 49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,777.66	634.04
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*818.18*	
		For Winterstart Control, Add	*288.73*	
		For 15 SEER, Add	*867.09*	
		For 16 SEER, Add	*1,396.99*	
		For 18 SEER, Add	*2,119.56*	
23 81 49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit	6,416.10	728.38
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*905.20*	
		For Winterstart Control, Add	*319.08*	
		For 15 SEER, Add	*967.60*	
		For 16 SEER, Add	*1,558.91*	
		For 18 SEER, Add	*2,365.25*	
23 81 49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit	7,302.39	801.21
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*594.04*	
		For Winterstart Control, Add	*176.04*	
		For 15 SEER, Add	*1,108.40*	
		For 16 SEER, Add	*1,785.76*	
		For 18 SEER, Add	*2,709.43*	
23 81 49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	8,006.30	895.83
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*656.27*	
		For Winterstart Control, Add	*195.24*	
23 81 49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit	11,060.67	1,074.99
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*465.14*	
		For Winterstart Control, Add	*249.04*	
23 81 49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit	14,533.78	1,254.16
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*527.44*	
		For Winterstart Control, Add	*306.20*	
23 81 49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit	26,035.58	1,343.74
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*560.41*	
		For Winterstart Control, Add	*433.09*	

23 81 49 00-0013 Indoor Section, Horizontal Upflow *(23 81 49)*

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,388.33	136.93
		For Additional 5 KW Electric Heat, Add	*125.07*	
23 81 49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,533.05	170.59
		For Additional 5 KW Electric Heat, Add	*136.24*	
23 81 49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,604.61	206.04
		For Additional 5 KW Electric Heat, Add	*139.82*	
23 81 49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	2,157.63	241.24
		For Additional 5 KW Electric Heat, Add	*191.62*	
23 81 49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,219.28	271.95
		For Additional 5 KW Electric Heat, Add	*194.70*	
23 81 49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,463.13	312.26
		For Additional 5 KW Electric Heat, Add	*215.10*	
23 81 49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	5,234.44	511.90
		For Additional 5 KW Electric Heat, Add	*472.25*	
23 81 49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,692.38	575.89
		For Additional 5 KW Electric Heat, Add	*711.65*	
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	10,768.21	639.88
		For Additional 5 KW Electric Heat, Add	*1,012.83*	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	12,244.48	767.85
		For Additional 5 KW Electric Heat, Add	*1,147.65*	

23 81 49 00-0024 Ductless Split System Heat Pumps *(23 81 49)*

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.

23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps	2,476.16	422.31
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	2,736.42	460.71
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps	3,324.93	511.90
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	3,820.98	563.09
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,355.71	614.28
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,180.07	639.88
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,772.50	682.10
23 81 49 00-0033		Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,036.25	204.76
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,095.18	217.56
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,155.00	230.36
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,309.09	243.15
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,394.95	255.95
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,014.95	307.14
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,563.71	332.73
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,716.72	358.33
23 81 49 00-0042		Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,709.42	614.28
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,931.62	733.30
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,324.20	767.85
23 81 49 00-0046		Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)* Note: Excludes hangers.		
23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,817.79	511.90
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,326.40	563.09
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,702.73	665.47
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,572.53	733.30
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,144.66	767.85

23 82 Convection Heating and Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 11 Hydronic Air Coils *(23 82 16)*

23 82 16 11-0001		Chilled Water Cooling Coils *(23 82 16 11)* Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002		2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,130.60	64.88
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,546.01	88.24
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,763.54	138.85
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,738.48	198.54
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,074.47	243.96
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,787.52	295.86
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,259.91	342.58
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,840.48	605.22
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,895.85	230.08
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,260.45	391.76
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,998.57	486.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,655.54	587.71
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,349.15	684.38
23 82 16 11-0016	SF	>20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	420.97	34.50
23 82 16 11-0017		4 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0018	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,640.31	134.95
23 82 16 11-0019	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,258.30	194.65
23 82 16 11-0020	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,783.74	324.42
23 82 16 11-0021	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,044.13	481.43
23 82 16 11-0022	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,131.59	590.44
23 82 16 11-0023	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,657.72	721.49
23 82 16 11-0024	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,736.07	865.53
23 82 16 11-0025	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,438.72	1,007.50
23 82 16 11-0026	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,636.17	434.84
23 82 16 11-0027	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,428.04	654.02
23 82 16 11-0028	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,326.44	811.03
23 82 16 11-0029	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,378.49	977.14
23 82 16 11-0030	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,359.01	1,142.32
23 82 16 11-0031		6 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0032	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,738.44	171.29
23 82 16 11-0033	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,379.82	254.34
23 82 16 11-0034	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,921.03	433.41
23 82 16 11-0035	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,012.56	648.82
23 82 16 11-0036	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,548.93	811.03
23 82 16 11-0037	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,950.23	997.89
23 82 16 11-0038	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,893.20	1,179.56
23 82 16 11-0039	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,117.00	1,374.60
23 82 16 11-0040	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,285.42	594.19
23 82 16 11-0041	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,545.41	891.23
23 82 16 11-0042	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,818.45	1,115.98
23 82 16 11-0043	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,049.30	1,340.61
23 82 16 11-0044	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,287.81	1,559.65
23 82 16 11-0045		8 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0046	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,677.89	206.32
23 82 16 11-0047	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,688.93	316.63
23 82 16 11-0048	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,435.78	564.48
23 82 16 11-0049	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,131.06	865.53
23 82 16 11-0050	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,341.10	1,082.25
23 82 16 11-0051	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,472.12	1,297.66
23 82 16 11-0052	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	17,814.45	1,441.69
23 82 16 11-0053	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,008.16	1,672.29
23 82 16 11-0054	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,432.55	724.09
23 82 16 11-0055	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,035.58	1,088.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0056	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,510.08	1,356.04
23 82 16 11-0057	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,908.36	1,622.06
23 82 16 11-0058	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,381.23	1,908.32

23 82 16 11-0059 Hot Water Heating Coils *(23 82 16 11)*

Note: Flanged construction.

23 82 16 11-0060 1 Row Hot Water Heating Coils *(23 82 16 11-0059)*

23 82 16 11-0061	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,660.35	175.18
		For 10 Fins Per Inch, Add	*26.19*	
		For 12 Fins Per Inch, Add	*65.48*	
		For 230 PSIG Heavy-Duty, Add	*367.14*	
23 82 16 11-0062	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,471.43	224.49
		For 10 Fins Per Inch, Add	*40.48*	
		For 12 Fins Per Inch, Add	*101.20*	
		For 230 PSIG Heavy-Duty, Add	*539.03*	
23 82 16 11-0063	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,999.07	308.85
		For 10 Fins Per Inch, Add	*47.62*	
		For 12 Fins Per Inch, Add	*119.06*	
		For 230 PSIG Heavy-Duty, Add	*661.61*	
23 82 16 11-0064	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,543.88	433.41
		For 10 Fins Per Inch, Add	*53.58*	
		For 12 Fins Per Inch, Add	*133.94*	
		For 230 PSIG Heavy-Duty, Add	*795.29*	
23 82 16 11-0065	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,014.54	519.07
		For 10 Fins Per Inch, Add	*59.53*	
		For 12 Fins Per Inch, Add	*148.82*	
		For 230 PSIG Heavy-Duty, Add	*906.72*	
23 82 16 11-0066	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,690.78	648.82
		For 10 Fins Per Inch, Add	*67.86*	
		For 12 Fins Per Inch, Add	*169.66*	
		For 230 PSIG Heavy-Duty, Add	*1,067.92*	
23 82 16 11-0067	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,251.66	720.20
		For 10 Fins Per Inch, Add	*76.20*	
		For 12 Fins Per Inch, Add	*190.49*	
		For 230 PSIG Heavy-Duty, Add	*1,194.52*	
23 82 16 11-0068	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,510.01	837.37
		For 10 Fins Per Inch, Add	*96.58*	
		For 12 Fins Per Inch, Add	*241.46*	
		For 230 PSIG Heavy-Duty, Add	*1,470.09*	
23 82 16 11-0069	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,810.74	362.83
		For 10 Fins Per Inch, Add	*41.70*	
		For 12 Fins Per Inch, Add	*104.25*	
		For 230 PSIG Heavy-Duty, Add	*634.72*	
23 82 16 11-0070	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,216.07	544.37
		For 10 Fins Per Inch, Add	*62.55*	
		For 12 Fins Per Inch, Add	*156.37*	
		For 230 PSIG Heavy-Duty, Add	*952.08*	
23 82 16 11-0071	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	6,337.94	823.36
		For 10 Fins Per Inch, Add	*93.82*	
		For 12 Fins Per Inch, Add	*234.56*	
		For 230 PSIG Heavy-Duty, Add	*1,432.26*	
23 82 16 11-0072	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	7,381.31	954.17
		For 10 Fins Per Inch, Add	*109.46*	
		For 12 Fins Per Inch, Add	*273.65*	
		For 230 PSIG Heavy-Duty, Add	*1,667.09*	
23 82 16 11-0073	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	335.70	48.01
		For 10 Fins Per Inch, Add	*4.79*	
		For 12 Fins Per Inch, Add	*11.98*	
		For 230 PSIG Heavy-Duty, Add	*76.74*	

23 82 16 11-0074 2 Row Hot Water Heating Coils *(23 82 16 11-0059)*

23 82 16 11-0075	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,694.64	216.71
		For 10 Fins Per Inch, Add	*45.24*	
		For 12 Fins Per Inch, Add	*113.10*	
		For 230 PSIG Heavy-Duty, Add	*582.18*	
23 82 16 11-0076	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,898.35	288.08
		For 10 Fins Per Inch, Add	*46.43*	
		For 12 Fins Per Inch, Add	*116.08*	
		For 230 PSIG Heavy-Duty, Add	*637.34*	
23 82 16 11-0077	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	3,901.05	433.41
		For 10 Fins Per Inch, Add	*60.72*	
		For 12 Fins Per Inch, Add	*151.80*	
		For 230 PSIG Heavy-Duty, Add	*866.72*	
23 82 16 11-0078	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,688.51	617.68
		For 10 Fins Per Inch, Add	*69.05*	
		For 12 Fins Per Inch, Add	*172.63*	
		For 230 PSIG Heavy-Duty, Add	*1,061.29*	
23 82 16 11-0079	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,396.00	763.02
		For 10 Fins Per Inch, Add	*77.39*	
		For 12 Fins Per Inch, Add	*193.47*	
		For 230 PSIG Heavy-Duty, Add	*1,231.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0080	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	5,723.14	926.53
		For 10 Fins Per Inch, Add	*77.39*	
		For 12 Fins Per Inch, Add	*193.47*	
		For 230 PSIG Heavy-Duty, Add	*1,330.01*	
23 82 16 11-0081	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	6,448.81	1,082.25
		For 10 Fins Per Inch, Add	*85.72*	
		For 12 Fins Per Inch, Add	*214.30*	
		For 230 PSIG Heavy-Duty, Add	*1,506.04*	
23 82 16 11-0082	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	7,947.61	1,257.43
		For 10 Fins Per Inch, Add	*108.66*	
		For 12 Fins Per Inch, Add	*271.64*	
		For 230 PSIG Heavy-Duty, Add	*1,841.01*	
23 82 16 11-0083	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	3,430.55	542.55
		For 10 Fins Per Inch, Add	*46.91*	
		For 12 Fins Per Inch, Add	*117.28*	
		For 230 PSIG Heavy-Duty, Add	*794.61*	
23 82 16 11-0084	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,148.56	815.06
		For 10 Fins Per Inch, Add	*70.37*	
		For 12 Fins Per Inch, Add	*175.92*	
		For 230 PSIG Heavy-Duty, Add	*1,192.73*	
23 82 16 11-0085	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	7,735.19	1,228.87
		For 10 Fins Per Inch, Add	*105.55*	
		For 12 Fins Per Inch, Add	*263.88*	
		For 230 PSIG Heavy-Duty, Add	*1,792.81*	
23 82 16 11-0086	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	9,028.08	1,435.47
		For 10 Fins Per Inch, Add	*123.14*	
		For 12 Fins Per Inch, Add	*307.86*	
		For 230 PSIG Heavy-Duty, Add	*2,092.71*	

23 82 16 11-0087 Hot Water Preheat Coils For Multi-Zone Air Handling Units *(23 82 16 11)*

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 11-0088	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,191.76	164.81
23 82 16 11-0089	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,810.85	163.51
23 82 16 11-0090	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,452.15	175.18
23 82 16 11-0091	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,012.90	190.75
23 82 16 11-0092	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,030.51	199.84
23 82 16 11-0093	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,883.23	210.22
23 82 16 11-0094	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,055.56	236.18
23 82 16 11-0095	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,589.56	264.72
23 82 16 11-0096	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,288.20	316.63
23 82 16 11-0097	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,856.41	332.20
23 82 16 11-0098	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	8,797.29	351.66
23 82 16 11-0099	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	11,200.10	481.43
23 82 16 11-0100	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	14,073.54	590.44
23 82 16 11-0101	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	16,404.92	617.68
23 82 16 11-0102	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	19,270.60	720.20

23 82 16 12 Steam Air Coils *(23 82 16)*

23 82 16 12-0001 Steam Heating Coils *(23 82 16 12)*

Note: Flanged construction.

23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	2,602.88	121.98
		For 2 Row Coil, Add	*829.37*	
		For 4 Row Coil, Add	*2,186.60*	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	2,865.97	168.69
		For 2 Row Coil, Add	*927.20*	
		For 4 Row Coil, Add	*2,437.71*	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	3,722.57	302.35
		For 2 Row Coil, Add	*1,237.48*	
		For 4 Row Coil, Add	*3,237.59*	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,658.49	433.41
		For 2 Row Coil, Add	*1,570.57*	
		For 4 Row Coil, Add	*4,098.79*	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,168.70	519.07
		For 2 Row Coil, Add	*1,758.23*	
		For 4 Row Coil, Add	*4,581.35*	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	5,765.43	648.82
		For 2 Row Coil, Add	*1,989.16*	
		For 4 Row Coil, Add	*5,170.34*	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	6,331.10	720.20
		For 2 Row Coil, Add	*2,187.70*	
		For 4 Row Coil, Add	*5,684.87*	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	7,878.21	840.49
		For 2 Row Coil, Add	*2,699.64*	
		For 4 Row Coil, Add	*7,025.35*	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	3,401.45	362.83
		For 2 Row Coil, Add	*1,165.59*	
		For 4 Row Coil, Add	*3,033.24*	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,102.18	544.37
		For 2 Row Coil, Add	*1,748.38*	
		For 4 Row Coil, Add	*4,549.86*	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	7,650.48	815.06
		For 2 Row Coil, Add	*2,621.19*	
		For 4 Row Coil, Add	*6,821.38*	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	8,931.98	954.17
		For 2 Row Coil, Add	*3,061.26*	
		For 4 Row Coil, Add	*7,966.16*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 82 16 13 Refrigerant Air Coils *(23 82 16)*

23 82 16 13-0001 Direct Expansion Cooling Coils *(23 82 16 13)*

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,044.31	97.32
		For 10 Fins Per Inch, Add	*36.98*	
		For 12 Fins Per Inch, Add	*92.46*	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,965.92	133.65
		For 10 Fins Per Inch, Add	*73.97*	
		For 12 Fins Per Inch, Add	*184.92*	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,453.50	210.22
		For 10 Fins Per Inch, Add	*100.70*	
		For 12 Fins Per Inch, Add	*251.75*	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,553.89	302.35
		For 10 Fins Per Inch, Add	*119.01*	
		For 12 Fins Per Inch, Add	*297.52*	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,607.28	369.83
		For 10 Fins Per Inch, Add	*137.32*	
		For 12 Fins Per Inch, Add	*343.29*	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,493.05	447.69
		For 10 Fins Per Inch, Add	*151.96*	
		For 12 Fins Per Inch, Add	*379.91*	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,734.76	519.07
		For 10 Fins Per Inch, Add	*173.93*	
		For 12 Fins Per Inch, Add	*434.83*	
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,233.89	605.22
		For 10 Fins Per Inch, Add	*220.47*	
		For 12 Fins Per Inch, Add	*551.17*	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,698.20	230.08
		For 10 Fins Per Inch, Add	*84.76*	
		For 12 Fins Per Inch, Add	*211.90*	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,016.36	391.76
		For 10 Fins Per Inch, Add	*104.66*	
		For 12 Fins Per Inch, Add	*261.64*	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,366.78	587.71
		For 10 Fins Per Inch, Add	*123.83*	
		For 12 Fins Per Inch, Add	*309.57*	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,037.90	684.38
		For 10 Fins Per Inch, Add	*133.38*	
		For 12 Fins Per Inch, Add	*333.45*	

23 82 16 13-0015 4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,410.29	134.95
		For 10 Fins Per Inch, Add	*62.80*	
		For 12 Fins Per Inch, Add	*157.00*	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,872.99	194.65
		For 10 Fins Per Inch, Add	*89.71*	
		For 12 Fins Per Inch, Add	*224.28*	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,599.15	324.42
		For 10 Fins Per Inch, Add	*119.01*	
		For 12 Fins Per Inch, Add	*297.52*	
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,010.08	481.43
		For 10 Fins Per Inch, Add	*140.98*	
		For 12 Fins Per Inch, Add	*352.44*	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,235.52	590.44
		For 10 Fins Per Inch, Add	*161.12*	
		For 12 Fins Per Inch, Add	*402.79*	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,962.37	721.49
		For 10 Fins Per Inch, Add	*190.41*	
		For 12 Fins Per Inch, Add	*476.03*	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,166.17	865.53
		For 10 Fins Per Inch, Add	*208.72*	
		For 12 Fins Per Inch, Add	*521.80*	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,776.38	1,007.50
		For 10 Fins Per Inch, Add	*195.23*	
		For 12 Fins Per Inch, Add	*488.07*	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,551.86	434.84
		For 10 Fins Per Inch, Add	*133.64*	
		For 12 Fins Per Inch, Add	*334.11*	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,558.66	654.02
		For 10 Fins Per Inch, Add	*165.01*	
		For 12 Fins Per Inch, Add	*412.53*	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,323.48	1,150.37
		For 10 Fins Per Inch, Add	*240.45*	
		For 12 Fins Per Inch, Add	*601.13*	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,383.94	1,340.61
		For 10 Fins Per Inch, Add	*274.06*	
		For 12 Fins Per Inch, Add	*685.14*	

23 82 16 13-0028 6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,369.41	169.99
		For 10 Fins Per Inch, Add	*80.56*	
		For 12 Fins Per Inch, Add	*201.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,994.51	254.34
		For 10 Fins Per Inch, Add	*89.71*	
		For 12 Fins Per Inch, Add	*224.28*	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,181.61	433.41
		For 10 Fins Per Inch, Add	*126.33*	
		For 12 Fins Per Inch, Add	*315.83*	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,078.86	648.82
		For 10 Fins Per Inch, Add	*155.62*	
		For 12 Fins Per Inch, Add	*389.06*	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,966.48	811.03
		For 10 Fins Per Inch, Add	*206.89*	
		For 12 Fins Per Inch, Add	*517.22*	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,530.87	997.89
		For 10 Fins Per Inch, Add	*230.69*	
		For 12 Fins Per Inch, Add	*576.72*	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,724.73	1,179.56
		For 10 Fins Per Inch, Add	*267.31*	
		For 12 Fins Per Inch, Add	*668.27*	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,763.36	1,374.60
		For 10 Fins Per Inch, Add	*240.28*	
		For 12 Fins Per Inch, Add	*600.71*	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,412.41	594.19
		For 10 Fins Per Inch, Add	*164.48*	
		For 12 Fins Per Inch, Add	*411.20*	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,936.93	891.23
		For 10 Fins Per Inch, Add	*203.09*	
		For 12 Fins Per Inch, Add	*507.72*	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,673.77	1,329.57
		For 10 Fins Per Inch, Add	*240.29*	
		For 12 Fins Per Inch, Add	*600.73*	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,061.32	1,559.65
		For 10 Fins Per Inch, Add	*258.84*	
		For 12 Fins Per Inch, Add	*647.10*	

23 82 16 13-0041 8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,446.85	205.03
		For 10 Fins Per Inch, Add	*100.70*	
		For 12 Fins Per Inch, Add	*251.75*	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,491.79	316.63
		For 10 Fins Per Inch, Add	*117.18*	
		For 12 Fins Per Inch, Add	*292.94*	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,596.17	564.48
		For 10 Fins Per Inch, Add	*169.36*	
		For 12 Fins Per Inch, Add	*423.39*	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,623.89	865.53
		For 10 Fins Per Inch, Add	*217.87*	
		For 12 Fins Per Inch, Add	*544.68*	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,116.18	1,082.25
		For 10 Fins Per Inch, Add	*259.07*	
		For 12 Fins Per Inch, Add	*647.67*	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,516.91	1,297.66
		For 10 Fins Per Inch, Add	*298.43*	
		For 12 Fins Per Inch, Add	*746.08*	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	20,185.41	1,441.69
		For 10 Fins Per Inch, Add	*346.03*	
		For 12 Fins Per Inch, Add	*865.09*	
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,860.31	1,672.29
		For 10 Fins Per Inch, Add	*270.32*	
		For 12 Fins Per Inch, Add	*675.79*	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,700.42	724.09
		For 10 Fins Per Inch, Add	*185.04*	
		For 12 Fins Per Inch, Add	*462.61*	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,601.04	1,088.60
		For 10 Fins Per Inch, Add	*228.48*	
		For 12 Fins Per Inch, Add	*571.19*	
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,793.37	1,638.42
		For 10 Fins Per Inch, Add	*270.33*	
		For 12 Fins Per Inch, Add	*675.82*	
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	18,376.45	1,908.32
		For 10 Fins Per Inch, Add	*291.20*	
		For 12 Fins Per Inch, Add	*727.99*	

23 82 16 14 Electric-Resistance Air Coils *(23 82 16)*

23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)*

23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)*

23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	649.85	98.54
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	666.25	106.22
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	685.64	116.46
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	692.16	120.30
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	708.91	127.97
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	728.18	138.21
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	839.92	154.85
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	855.52	162.53
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	868.32	167.64
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	887.02	177.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	972.64	188.12
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,009.07	206.04
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,045.28	223.96
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,083.79	241.87
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,510.27	337.85
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,758.54	359.61
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,027.74	412.08
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,585.16	456.87
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,757.13	496.54
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	4,116.56	545.17
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,079.41	582.29
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,583.89	625.80
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	6,801.38	675.70
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	7,666.92	734.57

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,043.12	140.77
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,074.77	153.57
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,087.22	153.57
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,175.18	168.93
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,227.46	168.93
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,255.29	168.93
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,318.10	188.12
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,374.97	211.16
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,402.80	211.16
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,579.41	241.87
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,024.11	241.87
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,149.72	262.35
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,530.51	281.55
23 82 16 14-0041	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,009.05	281.55
23 82 16 14-0042	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,284.44	294.34
23 82 16 14-0043	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,450.36	294.34

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,973.25	210.22
		For 2-Way Valve Instead Of 3-Way, Deduct	*-55.93*	
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,377.56	245.26
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.48*	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,017.65	276.40
		For 2-Way Valve Instead Of 3-Way, Deduct	*-62.61*	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,618.27	316.63
		For 2-Way Valve Instead Of 3-Way, Deduct	*-66.65*	
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,228.28	332.20
		For 2-Way Valve Instead Of 3-Way, Deduct	*-114.91*	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,765.96	351.66
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.61*	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,982.98	381.51
		For 2-Way Valve Instead Of 3-Way, Deduct	*-122.25*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,393.91	210.22
		For 2-Way Valve Instead Of 3-Way, Deduct	*-55.93*	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,942.04	245.26
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.48*	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,117.62	276.40
		For 2-Way Valve Instead Of 3-Way, Deduct	*-62.61*	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,609.66	316.63
		For 2-Way Valve Instead Of 3-Way, Deduct	*-66.65*	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,053.35	333.50
		For 2-Way Valve Instead Of 3-Way, Deduct	*-114.91*	
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,446.76	351.66
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.61*	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,099.19	381.51
		For 2-Way Valve Instead Of 3-Way, Deduct	*-122.25*	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,841.70	395.79
		For 2-Way Valve Instead Of 3-Way, Deduct	*-124.37*	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	13,237.42	412.00
		For 2-Way Valve Instead Of 3-Way, Deduct	*-126.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	14,248.54	428.23
		For 2-Way Valve Instead Of 3-Way, Deduct	*-129.23*	

23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,862.18	208.92
		For Fan Coil Units Without Cabinet, Deduct	*-387.47*	
		For Thru-Wall Sleeve, Add	*138.72*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-55.93*	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,266.48	245.26
		For Fan Coil Units Without Cabinet, Deduct	*-441.00*	
		For Thru-Wall Sleeve, Add	*152.94*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.48*	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,884.34	276.40
		For Fan Coil Units Without Cabinet, Deduct	*-527.43*	
		For Thru-Wall Sleeve, Add	*165.44*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-62.61*	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,464.98	316.63
		For Fan Coil Units Without Cabinet, Deduct	*-606.45*	
		For Thru-Wall Sleeve, Add	*181.60*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-66.65*	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,052.79	333.50
		For Fan Coil Units Without Cabinet, Deduct	*-691.37*	
		For Thru-Wall Sleeve, Add	*188.09*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-114.91*	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,532.70	351.66
		For Fan Coil Units Without Cabinet, Deduct	*-909.76*	
		For Thru-Wall Sleeve, Add	*195.29*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.61*	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,705.30	381.51
		For Fan Coil Units Without Cabinet, Deduct	*-1,079.46*	
		For Thru-Wall Sleeve, Add	*207.66*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-122.25*	

23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,220.92	208.92
		For Fan Coil Units Without Cabinet, Deduct	*-591.28*	
		For Thru-Wall Sleeve, Add	*138.72*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-55.93*	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,748.28	245.26
		For Fan Coil Units Without Cabinet, Deduct	*-663.27*	
		For Thru-Wall Sleeve, Add	*152.94*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.48*	
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,875.43	276.40
		For Fan Coil Units Without Cabinet, Deduct	*-826.10*	
		For Thru-Wall Sleeve, Add	*165.44*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-62.61*	
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,716.71	316.63
		For Fan Coil Units Without Cabinet, Deduct	*-944.21*	
		For Thru-Wall Sleeve, Add	*181.60*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-66.65*	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,509.63	333.50
		For Fan Coil Units Without Cabinet, Deduct	*-1,059.90*	
		For Thru-Wall Sleeve, Add	*188.09*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-114.91*	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	9,066.53	351.66
		For Fan Coil Units Without Cabinet, Deduct	*-1,289.84*	
		For Thru-Wall Sleeve, Add	*195.29*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.61*	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	10,649.34	381.51
		For Fan Coil Units Without Cabinet, Deduct	*-1,521.07*	
		For Thru-Wall Sleeve, Add	*207.66*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-122.25*	
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	11,684.44	395.79
		For Fan Coil Units Without Cabinet, Deduct	*-1,673.51*	
		For Thru-Wall Sleeve, Add	*213.31*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-124.37*	
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	12,922.90	412.00
		For Fan Coil Units Without Cabinet, Deduct	*-1,856.03*	
		For Thru-Wall Sleeve, Add	*219.80*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-126.80*	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	13,790.01	412.00
		For Fan Coil Units Without Cabinet, Deduct	*-1,982.86*	
		For Thru-Wall Sleeve, Add	*226.29*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-129.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0041		**Removal And Reinstallation Of Fan Coil Units** *(23 82 19)* Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0042	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	551.73	
23 82 29		**Radiators** *(23 82)*		
23 82 29 00-0001		**Demolish Cast Iron Radiators** *(23 82 29)*		
23 82 29 00-0002	LF	Demolish Cast Iron Radiator	38.92	
23 82 29 00-0003	EA	Cap Radiator	60.53	
23 82 29 00-0004		**Cast Iron Radiator** *(23 82 29)*		
23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	61.73	
		For Wall Support Bracket, Add	*30.30*	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	87.96	
		For Wall Support Bracket, Add	*31.99*	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	102.49	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	129.32	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	85.35	
23 82 29 00-0010		**Radiator Covers** *(23 82 29)* Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	137.95	6.95
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	86.26	6.95
23 82 29 00-0013		**Radiator Shields** *(23 82 29)*		
23 82 29 00-0014	SF	Stainless Steel Radiator Shield	70.29	6.95
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	48.70	6.95
23 82 29 00-0016		**Removal And Reinstallation Of Radiator** *(23 82 29)* Note: Includes storage and cleaning.		
23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	97.32	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	64.88	
23 82 33		**Convectors** *(23 82)*		
23 82 33 00-0001		**Multi-Fin Convectors For Two-Pipe System** *(23 82 33)* Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		**20" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	622.59	142.74
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*70.88*	
		For Snap-On Inlet Grille, Add	*53.26*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*142.21*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	732.53	155.72
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*76.78*	
		For Snap-On Inlet Grille, Add	*57.19*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.81*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	843.26	184.27
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*89.68*	
		For Snap-On Inlet Grille, Add	*65.79*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*197.51*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,009.21	214.11
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*103.31*	
		For Snap-On Inlet Grille, Add	*74.88*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*239.69*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,203.61	256.93
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*122.77*	
		For Snap-On Inlet Grille, Add	*87.84*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*285.04*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,353.54	282.63
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*134.43*	
		For Snap-On Inlet Grille, Add	*95.62*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*323.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,573.89	342.58
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*161.67*	
		For Snap-On Inlet Grille, Add	*113.78*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*369.25*	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,717.40	363.99
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*171.40*	
		For Snap-On Inlet Grille, Add	*120.27*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*408.12*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,874.77	406.81
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*190.85*	
		For Snap-On Inlet Grille, Add	*133.23*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*440.51*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,069.27	449.64
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*210.33*	
		For Snap-On Inlet Grille, Add	*146.22*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*485.86*	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,226.66	492.46
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*229.79*	
		For Snap-On Inlet Grille, Add	*159.19*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*518.25*	

23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	733.07	187.77
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*90.48*	
		For Snap-On Inlet Grille, Add	*66.32*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*158.01*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	860.57	218.14
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*104.11*	
		For Snap-On Inlet Grille, Add	*75.41*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*186.74*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,040.59	256.16
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*121.18*	
		For Snap-On Inlet Grille, Add	*86.78*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*229.83*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,218.66	285.62
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*134.40*	
		For Snap-On Inlet Grille, Add	*95.60*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*276.73*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,421.58	321.17
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*150.40*	
		For Snap-On Inlet Grille, Add	*106.26*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*329.09*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,590.04	347.90
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*162.47*	
		For Snap-On Inlet Grille, Add	*114.31*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*373.97*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,813.32	396.43
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*184.58*	
		For Snap-On Inlet Grille, Add	*129.05*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*426.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,977.43	420.70
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*195.35*	
		For Snap-On Inlet Grille, Add	*136.23*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*471.20*	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,140.44	458.72
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*212.19*	
		For Snap-On Inlet Grille, Add	*147.46*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*508.60*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,346.78	495.97
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*229.22*	
		For Snap-On Inlet Grille, Add	*158.81*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*560.95*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,504.69	530.09
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*244.54*	
		For Snap-On Inlet Grille, Add	*169.03*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*598.35*	
23 82 33 00-0026		32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*		
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	842.46	228.39
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*109.76*	
		For Snap-On Inlet Grille, Add	*79.17*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.81*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,005.49	276.40
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*131.58*	
		For Snap-On Inlet Grille, Add	*93.72*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*205.41*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,211.64	323.12
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*152.79*	
		For Snap-On Inlet Grille, Add	*107.86*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*252.82*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,401.73	351.15
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*165.60*	
		For Snap-On Inlet Grille, Add	*116.40*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*304.41*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,608.65	379.43
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*178.31*	
		For Snap-On Inlet Grille, Add	*124.88*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*361.99*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,791.48	406.81
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*190.85*	
		For Snap-On Inlet Grille, Add	*133.23*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*411.36*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,008.20	441.07
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*206.50*	
		For Snap-On Inlet Grille, Add	*143.67*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*468.95*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,192.32	469.36
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*219.43*	
		For Snap-On Inlet Grille, Add	*152.29*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*518.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,356.57	501.03
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*233.45*	
		For Snap-On Inlet Grille, Add	*161.63*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*559.45*	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,567.76	531.00
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*247.44*	
		For Snap-On Inlet Grille, Add	*170.96*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*617.04*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,723.57	556.69
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*258.92*	
		For Snap-On Inlet Grille, Add	*178.61*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*658.18*	

23 82 33 00-0038 Electric Convectors, Floor Standing Units *(23 82 33)*

23 82 33 00-0039 4" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	665.08	137.35
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	734.16	137.35

23 82 33 00-0042 6" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	766.04	137.35
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	872.31	137.35
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	965.30	137.35
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,111.43	137.35

23 82 36 Finned-Tube Radiation Heaters *(23 82)*

23 82 36 00-0001 Electric Baseboard Heating *(23 82 36)*

Note: Includes 24 gauge steel enclosure and heating element

23 82 36 00-0002 Electric Wall Heating 10" Enclosure *(23 82 36 00-0001)*

23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	160.73	76.31
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	163.92	76.31

23 82 36 00-0005 Electric Wall Heating 16" Enclosure *(23 82 36 00-0001)*

23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	192.61	76.31
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	200.58	76.31

23 82 36 00-0008 Finned Tube Baseboard Units *(23 82 36)*

Note: Complete with steel enclosure. Single heating element.

23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*

23 82 36 00-0010	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	402.84	50.61
		For 90 Degree Corner, Add	*58.97*	
		For Valve Enclosure, Add	*58.97*	
		For Filler Piece, Add	*51.97*	
		For End Cap, Add	*39.83*	
		For Copper Tube With Aluminum Fins, Add	*8.69*	
23 82 36 00-0011	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	531.92	76.56
		For 90 Degree Corner, Add	*68.98*	
		For Valve Enclosure, Add	*68.98*	
		For Filler Piece, Add	*61.98*	
		For End Cap, Add	*46.34*	
		For Copper Tube With Aluminum Fins, Add	*13.04*	
23 82 36 00-0012	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	640.43	101.21
		For 90 Degree Corner, Add	*74.88*	
		For Valve Enclosure, Add	*74.88*	
		For Filler Piece, Add	*67.88*	
		For End Cap, Add	*50.17*	
		For Copper Tube With Aluminum Fins, Add	*17.38*	
23 82 36 00-0013	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	797.79	141.71
		For 90 Degree Corner, Add	*90.97*	
		For Valve Enclosure, Add	*90.97*	
		For Filler Piece, Add	*83.97*	
		For End Cap, Add	*60.63*	
		For Copper Tube With Aluminum Fins, Add	*21.61*	
23 82 36 00-0014	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	954.38	170.25
		For 90 Degree Corner, Add	*107.32*	
		For Valve Enclosure, Add	*107.32*	
		For Filler Piece, Add	*100.32*	
		For End Cap, Add	*71.26*	
		For Copper Tube With Aluminum Fins, Add	*25.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0015	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,080.40	181.67
		For 90 Degree Corner, Add	*113.81*	
		For Valve Enclosure, Add	*113.81*	
		For Filler Piece, Add	*106.81*	
		For End Cap, Add	*75.48*	
		For Copper Tube With Aluminum Fins, Add	*30.87*	
23 82 36 00-0016	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,191.05	200.75
		For 90 Degree Corner, Add	*124.72*	
		For Valve Enclosure, Add	*124.72*	
		For Filler Piece, Add	*117.72*	
		For End Cap, Add	*82.57*	
		For Copper Tube With Aluminum Fins, Add	*33.96*	
23 82 36 00-0017	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,359.84	227.09
		For 90 Degree Corner, Add	*139.76*	
		For Valve Enclosure, Add	*139.76*	
		For Filler Piece, Add	*132.76*	
		For End Cap, Add	*92.35*	
		For Copper Tube With Aluminum Fins, Add	*39.11*	
23 82 36 00-0018	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,499.65	249.79
		For 90 Degree Corner, Add	*152.76*	
		For Valve Enclosure, Add	*152.76*	
		For Filler Piece, Add	*145.76*	
		For End Cap, Add	*100.79*	
		For Copper Tube With Aluminum Fins, Add	*43.22*	

23 82 36 00-0019 1" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*

23 82 36 00-0020	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	470.57	50.61
		For 90 Degree Corner, Add	*58.97*	
		For Valve Enclosure, Add	*58.97*	
		For Filler Piece, Add	*51.97*	
		For End Cap, Add	*39.83*	
		For Copper Tube With Aluminum Fins, Add	*12.42*	
23 82 36 00-0021	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	633.51	76.56
		For 90 Degree Corner, Add	*68.98*	
		For Valve Enclosure, Add	*68.98*	
		For Filler Piece, Add	*61.98*	
		For End Cap, Add	*46.34*	
		For Copper Tube With Aluminum Fins, Add	*18.62*	
23 82 36 00-0022	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	775.87	101.21
		For 90 Degree Corner, Add	*74.88*	
		For Valve Enclosure, Add	*74.88*	
		For Filler Piece, Add	*67.88*	
		For End Cap, Add	*50.17*	
		For Copper Tube With Aluminum Fins, Add	*24.83*	
23 82 36 00-0023	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	966.36	141.71
		For 90 Degree Corner, Add	*91.00*	
		For Valve Enclosure, Add	*91.00*	
		For Filler Piece, Add	*84.00*	
		For End Cap, Add	*60.65*	
		For Copper Tube With Aluminum Fins, Add	*30.87*	
23 82 36 00-0024	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,154.64	170.25
		For 90 Degree Corner, Add	*107.27*	
		For Valve Enclosure, Add	*107.27*	
		For Filler Piece, Add	*100.27*	
		For End Cap, Add	*71.23*	
		For Copper Tube With Aluminum Fins, Add	*36.75*	
23 82 36 00-0025	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,320.99	181.67
		For 90 Degree Corner, Add	*113.81*	
		For Valve Enclosure, Add	*113.81*	
		For Filler Piece, Add	*106.81*	
		For End Cap, Add	*75.48*	
		For Copper Tube With Aluminum Fins, Add	*44.11*	
23 82 36 00-0026	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,455.27	200.75
		For 90 Degree Corner, Add	*124.63*	
		For Valve Enclosure, Add	*124.63*	
		For Filler Piece, Add	*117.63*	
		For End Cap, Add	*82.51*	
		For Copper Tube With Aluminum Fins, Add	*48.52*	
23 82 36 00-0027	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,664.59	227.09
		For 90 Degree Corner, Add	*139.76*	
		For Valve Enclosure, Add	*139.76*	
		For Filler Piece, Add	*132.76*	
		For End Cap, Add	*92.35*	
		For Copper Tube With Aluminum Fins, Add	*55.87*	
23 82 36 00-0028	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,835.69	249.79
		For 90 Degree Corner, Add	*152.60*	
		For Valve Enclosure, Add	*152.60*	
		For Filler Piece, Add	*145.60*	
		For End Cap, Add	*100.69*	
		For Copper Tube With Aluminum Fins, Add	*61.75*	

23 82 36 00-0029 1-1/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*

23 82 36 00-0030	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	538.28	50.61
		For 90 Degree Corner, Add	*58.97*	
		For Valve Enclosure, Add	*58.97*	
		For Filler Piece, Add	*51.97*	
		For End Cap, Add	*39.83*	
		For Copper Tube With Aluminum Fins, Add	*16.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0031	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	735.09	76.56
		For 90 Degree Corner, Add	*68.98*	
		For Valve Enclosure, Add	*68.98*	
		For Filler Piece, Add	*61.98*	
		For End Cap, Add	*46.34*	
		For Copper Tube With Aluminum Fins, Add	*24.21*	
23 82 36 00-0032	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	911.31	101.21
		For 90 Degree Corner, Add	*74.88*	
		For Valve Enclosure, Add	*74.88*	
		For Filler Piece, Add	*67.88*	
		For End Cap, Add	*50.17*	
		For Copper Tube With Aluminum Fins, Add	*32.28*	
23 82 36 00-0033	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,134.76	141.71
		For 90 Degree Corner, Add	*91.00*	
		For Valve Enclosure, Add	*91.00*	
		For Filler Piece, Add	*84.00*	
		For End Cap, Add	*60.65*	
		For Copper Tube With Aluminum Fins, Add	*40.14*	
23 82 36 00-0034	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,355.12	170.25
		For 90 Degree Corner, Add	*107.27*	
		For Valve Enclosure, Add	*107.27*	
		For Filler Piece, Add	*100.27*	
		For End Cap, Add	*71.23*	
		For Copper Tube With Aluminum Fins, Add	*47.78*	
23 82 36 00-0035	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,561.57	181.67
		For 90 Degree Corner, Add	*113.81*	
		For Valve Enclosure, Add	*113.81*	
		For Filler Piece, Add	*106.81*	
		For End Cap, Add	*75.48*	
		For Copper Tube With Aluminum Fins, Add	*57.34*	
23 82 36 00-0036	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,719.91	200.75
		For 90 Degree Corner, Add	*124.63*	
		For Valve Enclosure, Add	*124.63*	
		For Filler Piece, Add	*117.63*	
		For End Cap, Add	*82.51*	
		For Copper Tube With Aluminum Fins, Add	*63.07*	
23 82 36 00-0037	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,969.32	227.09
		For 90 Degree Corner, Add	*139.76*	
		For Valve Enclosure, Add	*139.76*	
		For Filler Piece, Add	*132.76*	
		For End Cap, Add	*92.35*	
		For Copper Tube With Aluminum Fins, Add	*72.63*	
23 82 36 00-0038	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,172.50	249.79
		For 90 Degree Corner, Add	*152.60*	
		For Valve Enclosure, Add	*152.60*	
		For Filler Piece, Add	*145.60*	
		For End Cap, Add	*100.69*	
		For Copper Tube With Aluminum Fins, Add	*80.27*	

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,250.85	173.43
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,276.34	173.43
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,301.83	173.43
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,327.30	173.43
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,352.78	173.43
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,378.27	173.43
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,404.77	173.43
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	231.69	115.16

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,457.82	208.11
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,508.80	208.11
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,559.76	208.11
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,610.73	208.11
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,661.69	208.11
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,712.66	208.11
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,763.62	208.11
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	277.48	138.74

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0020		Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,343.72	277.48
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,394.67	277.48
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,445.65	277.48
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,496.60	277.48
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,547.58	277.48
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,598.53	277.48
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	346.85	173.43
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,127.69	346.85
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,204.13	346.85
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,280.57	346.85
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,357.02	346.85
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,433.48	346.85
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,509.92	346.85
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,586.37	346.85
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	463.39	231.69
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,013.57	416.22
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,115.50	416.22
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,217.43	416.22
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,319.36	416.22
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,421.29	416.22
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,523.22	416.22
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,625.15	416.22
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	554.95	277.48
23 82 39 13-0046		Removal and Reinstallation of Cabinet Unit Heaters *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	356.85	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	616.40	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	735.77	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	995.30	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		Hydronic Unit Heaters Using Steam Or Hot Water *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,447.52	129.77
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,450.75	129.77
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,637.02	129.77
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,960.64	194.65
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,055.94	194.65
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,197.84	194.65
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,606.96	259.53
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,892.86	259.53
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,074.79	259.53
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,222.07	259.53
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,598.72	324.42
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,648.56	324.42
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,696.21	324.42
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,884.38	389.30
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,256.91	389.30
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,843.85	454.18
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,193.16	454.18
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,543.74	519.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	7,929.89	519.07
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	284.82	32.44

23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*

23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,088.45	129.77
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,191.32	194.65
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,378.68	194.65
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,899.38	259.53
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,083.45	259.53
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,550.83	389.30
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,832.40	389.30
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,068.50	389.30
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,521.12	454.18
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,800.54	454.18
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,365.80	454.18
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	6,140.71	583.94
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,020.68	583.94
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,596.80	583.94
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	9,805.17	648.82
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	391.55	32.44

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	778.59
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	1,038.12

23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	957.73	138.74
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	957.73	138.74
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,283.19	173.43
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,472.81	208.11
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,146.00	277.48
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,119.33	346.85
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,298.22	416.22
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	6,268.62	485.59
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,178.87	138.74
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,135.70	138.74
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,346.39	173.43
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,555.04	208.11
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,310.45	277.48

23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	440.66	86.71
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	515.02	97.12
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	798.44	97.12
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	498.87	86.71
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	606.88	97.12
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	906.34	97.12
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	656.14	114.46
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,211.27	121.39
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,361.05	121.39
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,578.26	128.34
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,709.77	128.34
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	733.94	114.46
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,333.81	121.39
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,483.59	121.39
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	693.30	86.71

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	467.19
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	960.37

23 83 Radiant Heating Units *(23 80)*

23 83 13 Radiant-Heating Electric Cables *(23 83)*

23 83 13 13 Radiant-Heating Electric Cables *(23 83 13)*

23 83 13 13-0001 Self Regulating Heating Cable *(23 83 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	9.57	0.91
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.20	0.91
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.65	0.91
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.57	0.91
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F	11.28	0.91
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	11.91	0.91
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	11.90	0.91
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.20	0.91
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.49	0.91
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.90	0.91
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F	12.20	0.91
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.49	0.91
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 Degrees F.	14.84	0.91
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.42	0.91
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.72	0.91
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.84	0.91
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F	15.42	0.91
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.72	0.91
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	339.57	71.42
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	339.57	71.42
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	222.70	12.99
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	603.61	32.47
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	664.80	32.47

23 83 33 Electric Radiant Heaters *(23 83)*

23 83 33 00-0001 Residential Wall Heaters *(23 83 33)*

23 83 33 00-0002	EA	750 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	533.33	138.74
23 83 33 00-0003	EA	1,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	533.33	138.74
23 83 33 00-0004	EA	1,250 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	597.29	138.74
23 83 33 00-0005	EA	1,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	597.29	138.74
23 83 33 00-0006	EA	2,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	610.08	138.74
23 83 33 00-0007	EA	2,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	610.08	138.74
23 83 33 00-0008	EA	3,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	661.26	138.74
23 83 33 00-0009	EA	4,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	686.84	138.74

23 83 33 00-0010 Commercial Wall Heaters *(23 83 33)*

23 83 33 00-0011	EA	750 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	635.67	138.74
23 83 33 00-0012	EA	1,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	635.67	138.74
23 83 33 00-0013	EA	1,250 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	635.67	138.74
23 83 33 00-0014	EA	1,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	686.84	138.74
23 83 33 00-0015	EA	2,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	725.22	138.74
23 83 33 00-0016	EA	2,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	725.22	138.74
23 83 33 00-0017	EA	3,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	917.10	138.74
23 83 33 00-0018	EA	4,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	917.10	138.74

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)*

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

23 84 13 16-0002	EA	1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,457.55	534.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 16-0003	EA	20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	17,057.16	535.93

23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

23 84 13 23-0001 Steam Type Pneumatically Controlled *(23 84 13 23)*

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA	3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,184.86	342.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*672.76*	
23 84 13 23-0003	EA	3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,184.86	342.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*672.76*	
23 84 13 23-0004	EA	65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	3,131.93	342.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*956.88*	
23 84 13 23-0005	EA	65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,261.68	428.23
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,000.13*	
23 84 13 23-0006	EA	100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,689.16	342.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,424.05*	
23 84 13 23-0007	EA	100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,818.91	428.23
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,467.30*	
23 84 13 23-0008	EA	220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	7,252.08	428.23
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,197.25*	
23 84 13 23-0009	EA	220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,414.29	535.93
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,251.32*	

23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001 Residential Humidifiers *(23 84 13 29)*

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type	633.86	64.88

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,401.74	69.37
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	3,021.11	80.92
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	4,048.06	92.49

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	557.08	150.09
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	667.57	150.09
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	733.86	150.09

END OF SECTION 23

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electricial equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*
Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.	494.70	
		For Up To 20, Add	*103.73*	
		For >20 To 50, Add	*82.98*	
		For >50 To 100, Add	*41.49*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.	643.41	
		For Up To 20, Add	*140.91*	
		For >20 To 50, Add	*112.72*	
		For >50 To 100, Add	*56.36*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.	970.57	
		For Up To 20, Add	*222.70*	
		For >20 To 50, Add	*178.16*	
		For >50 To 100, Add	*89.08*	
26 01 10 91-0005	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.	493.07	
		For Up To 20, Add	*103.32*	
		For >20 To 50, Add	*82.66*	
		For >50 To 100, Add	*41.33*	
26 01 10 91-0006	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.	631.30	
		For Up To 20, Add	*137.88*	
		For >20 To 50, Add	*110.30*	
		For >50 To 100, Add	*55.15*	
26 01 10 91-0007	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.	943.68	
		For Up To 20, Add	*215.97*	
		For >20 To 50, Add	*172.78*	
		For >50 To 100, Add	*86.39*	
26 01 10 91-0008	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	387.62	
		For Up To 20, Add	*76.96*	
		For >20 To 50, Add	*61.57*	
		For >50 To 100, Add	*30.78*	
26 01 10 91-0009	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	548.23	
		For Up To 20, Add	*117.11*	
		For >20 To 50, Add	*93.69*	
		For >50 To 100, Add	*46.84*	
26 01 10 91-0010	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	782.45	
		For Up To 20, Add	*175.67*	
		For >20 To 50, Add	*140.53*	
		For >50 To 100, Add	*70.27*	
26 01 10 91-0011	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	712.96	
		For Up To 20, Add	*158.29*	
		For >20 To 50, Add	*126.63*	
		For >50 To 100, Add	*63.32*	
26 01 10 91-0012	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	981.67	
		For Up To 20, Add	*225.47*	
		For >20 To 50, Add	*180.38*	
		For >50 To 100, Add	*90.19*	
26 01 10 91-0013	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,802.39	
		For Up To 20, Add	*430.65*	
		For >20 To 50, Add	*344.52*	
		For >50 To 100, Add	*172.26*	
26 01 10 91-0014	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	819.76	
		For Up To 20, Add	*184.99*	
		For >20 To 50, Add	*147.99*	
		For >50 To 100, Add	*74.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,208.84	
		For Up To 20, Add	*282.26*	
		For >20 To 50, Add	*225.81*	
		For >50 To 100, Add	*112.91*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*
Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	46.75
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	46.75
26 01 20 91-0004	EA	Lock Out Padlock Device Note: Includes the installation and removal of pad lock when required	12.99
26 01 20 91-0005	EA	Lock Out Tags Note: Includes filling out tag information, installation and removal of identifying tags.	5.33

26 01 20 91-0006 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	27.02
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	27.02

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment *(26 01)*

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration *(26 01 30)*

26 01 30 91-0001 Emergency Generator Permits *(26 01 30 91)*

26 01 30 91-0002 Air Pollution Control Board *(26 01 30 91-0001)*

26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator	5,052.51

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*
Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	58.67
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	75.80
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	113.39
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp	27.07
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp	27.07
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	38.77
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	42.57
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	41.59
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	44.50
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	45.12
26 01 50 51-0013	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	24.62
26 01 50 51-0014	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	24.62
26 01 50 51-0015	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	26.98
26 01 50 51-0016	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	26.98

26 01 50 51-0017 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0018	EA	100 Watt, Frosted, Interior Incandescent Lamp	7.45
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.15*
26 01 50 51-0019	EA	150 Watt, Frosted, Interior Incandescent Lamp	9.38
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.15*
26 01 50 51-0020	EA	200 Watt, Frosted, Interior Incandescent Lamp	11.55
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.15*
26 01 50 51-0021	EA	300 Watt, PS25, Interior Incandescent Lamp	14.29
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.15*
26 01 50 51-0022	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	10.60
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.15*
26 01 50 51-0023	EA	75 Watt, R20, Interior Incandescent Lamp	16.95
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.58*
26 01 50 51-0024	EA	75 Watt, PAR38, Exterior Incandescent Lamp	20.78
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.58*
26 01 50 51-0025	EA	100 Watt, PAR38, Exterior Incandescent Lamp	19.26
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.58*
26 01 50 51-0026	EA	150 Watt, PAR38, Exterior Incandescent Lamp	33.77
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.58*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0027	EA	250 Watt, PAR38, Exterior Incandescent Lamp	70.23	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.01*	
26 01 50 51-0028	EA	300 Watt, PAR56, Exterior Incandescent Lamp	80.89	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.01*	

26 01 50 51-0029 Exit Light Lamps *(26 01 50 51-0001)*

26 01 50 51-0030	EA	Convert Exit Light Lamps To Red LED Lamps	125.05	
		For Green LED Lamps, Add	*25.00*	
26 01 50 51-0031	EA	Fluorescent Lamp For Exit Light	35.64	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-8.59*	
26 01 50 51-0032	EA	Lamp Replacement For Emergency Lights On Exit Sign	47.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.30*	

26 01 50 51-0033 Fluorescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0034	EA	18", 15 Watt, T8 Fluorescent Lamp	13.57	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0035	EA	2', 17 Watt, T8 Fluorescent Lamp	16.30	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0036	EA	3', 25 Watt, T8 Fluorescent Lamp	18.72	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0037	EA	4', 32 Watt, T8 Fluorescent Lamp	18.63	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0038	EA	4', 30 Watt, T8 Fluorescent Lamp	23.43	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0039	EA	4', 28 Watt, T8 Fluorescent Lamp	20.56	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0040	EA	4', 25 Watt, T8 Fluorescent Lamp	20.45	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0041	EA	4', 44 Watt, T8HO Fluorescent Lamp	32.79	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0042	EA	8', 59 Watt, T8 Fluorescent Lamp	25.04	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0043	EA	18", 15 Watt, T12 Fluorescent Lamp	20.45	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0044	EA	2', 20 Watt, T12 Fluorescent Lamp	15.52	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0045	EA	3', 30 Watt, T12 Fluorescent Lamp	17.42	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0046	EA	4', 34 Watt, T12 Fluorescent Lamp	17.51	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0047	EA	4', 40 Watt, T12 Fluorescent Lamp	17.15	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0048	EA	8', 60 Watt, T12 Fluorescent Lamp	25.67	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0049	EA	8', 75 Watt, T12 Fluorescent Lamp	21.70	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0050	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp	36.98	
26 01 50 51-0051	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	20.69	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0052	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	17.04	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0053	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	16.48	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0054	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	18.23	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0055	EA	6", 4 Watt, T5 Fluorescent Lamp	15.05	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0056	EA	9", 6 Watt, T5 Fluorescent Lamp	14.80	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0057	EA	12", 8 Watt, T5 Fluorescent Lamp	15.27	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0058	EA	21", 13 Watt, T5 Fluorescent Lamp	15.97	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0059	EA	24", 14 Watt, T5 Fluorescent Lamp	18.39	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.44*	
26 01 50 51-0060	EA	34", 21 Watt, T5 Fluorescent Lamp	20.00	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0061	EA	46", 28 Watt, T5 Fluorescent Lamp	19.37	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0062	EA	46", 54 Watt, T5HO Fluorescent Lamp	21.19	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.86*	
26 01 50 51-0063	EA	46", 54 Watt T5 Fluorescent Lamp	19.30	
26 01 50 51-0064	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	30.09	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.30*	
26 01 50 51-0065	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	29.02	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.30*	
26 01 50 51-0066	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	26.97	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.15*	
26 01 50 51-0067	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	11.89	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.15*	
26 01 50 51-0068	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	13.14	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.15*	
26 01 50 51-0069	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	35.18	
26 01 50 51-0070	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	35.18	
26 01 50 51-0071	EA	32 Watt 2D (DoubleD) Fluorescent Lamp	66.22	
26 01 50 51-0072	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	24.04	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0073	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	12.35	
26 01 50 51-0074	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.66	
26 01 50 51-0075	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	11.19	
26 01 50 51-0076	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	46.11	
26 01 50 51-0077	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	50.30	
26 01 50 51-0078	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	95.80	
26 01 50 51-0079	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	114.75	
26 01 50 51-0080	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	118.61	
26 01 50 51-0081	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	43.01	
26 01 50 51-0082	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	44.86	
26 01 50 51-0083	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	51.81	

26 01 50 51-0084 Metal Halide Lamps *(26 01 50 51-0001)*

26 01 50 51-0085	EA	50 Watt, Pulse Start Metal Halide Lamp	52.02	
26 01 50 51-0086	EA	70 Watt, Pulse Start Metal Halide Lamp	49.79	
26 01 50 51-0087	EA	100 Watt, Pulse Start Metal Halide Lamp	56.85	
26 01 50 51-0088	EA	150 Watt, Pulse Start Metal Halide Lamp	55.25	
26 01 50 51-0089	EA	175 Watt, Pulse Start Metal Halide Lamp	54.79	
26 01 50 51-0090	EA	250 Watt, Pulse Start Metal Halide Lamp	55.10	
26 01 50 51-0091	EA	400 Watt, Pulse Start Metal Halide Lamp	66.37	
26 01 50 51-0092	EA	1,000 Watt, Pulse Start Metal Halide Lamp	77.17	
26 01 50 51-0093	EA	1,500 Watt, Pulse Start Metal Halide Lamp	76.72	

26 01 50 51-0094 High Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0095	EA	35 Watt, High Pressure Sodium Lamp	42.91	
		For Enclosed And Gasket Light Fixtures, Add	*3.31*	
26 01 50 51-0096	EA	50 Watt, High Pressure Sodium Lamp	42.91	
		For Enclosed And Gasket Light Fixtures, Add	*3.31*	
26 01 50 51-0097	EA	70 Watt, High Pressure Sodium Lamp	43.88	
		For Enclosed And Gasket Light Fixtures, Add	*3.31*	
26 01 50 51-0098	EA	100 Watt, High Pressure Sodium Lamp	45.71	
		For Enclosed And Gasket Light Fixtures, Add	*3.31*	
26 01 50 51-0099	EA	150 Watt, High Pressure Sodium Lamp	43.88	
		For Enclosed And Gasket Light Fixtures, Add	*3.31*	
26 01 50 51-0100	EA	250 Watt, High Pressure Sodium Lamp	43.88	
		For Enclosed And Gasket Light Fixtures, Add	*3.31*	
26 01 50 51-0101	EA	400 Watt, High Pressure Sodium Lamp	41.14	
		For Enclosed And Gasket Light Fixtures, Add	*3.31*	
26 01 50 51-0102	EA	1,000 Watt, High Pressure Sodium Lamp	95.48	

26 01 50 51-0103 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0104	EA	35 Watt, Low Pressure Sodium Lamp	109.27	
26 01 50 51-0105	EA	55 Watt, Low Pressure Sodium Lamp	121.94	
26 01 50 51-0106	EA	70 Watt, Low Pressure Sodium Lamp	124.79	
26 01 50 51-0107	EA	90 Watt, Low Pressure Sodium Lamp	127.64	
26 01 50 51-0108	EA	135 Watt, Low Pressure Sodium Lamp	139.06	
26 01 50 51-0109	EA	180 Watt, Low Pressure Sodium Lamp	190.43	

26 01 50 51-0110 LED Lamps *(26 01 50 51-0001)*

26 01 50 51-0111 LED Lamps, Candelabra Base, CA10 *(26 01 50 51-0110)*

26 01 50 51-0112	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	26.33	

26 01 50 51-0113 LED Lamps, Medium Base, A19 Or A21 *(26 01 50 51-0110)*

26 01 50 51-0114	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	37.39	
26 01 50 51-0115	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	37.39	
26 01 50 51-0116	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	67.08	
26 01 50 51-0117	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	44.88	
26 01 50 51-0118	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	85.63	

26 01 50 51-0119 LED Lamps, Medium Base, BR30 Or BR40 *(26 01 50 51-0110)*

26 01 50 51-0120	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	49.49	
26 01 50 51-0121	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	43.22	
26 01 50 51-0122	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	59.88	
26 01 50 51-0123	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	48.78	
26 01 50 51-0124	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	67.30	
26 01 50 51-0125	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	48.78	

26 01 50 51-0126 LED Lamps, Medium Base, PAR *(26 01 50 51-0110)*

26 01 50 51-0127	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	55.43	
26 01 50 51-0128	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	78.47	
26 01 50 51-0129	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	78.47	
26 01 50 51-0130	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	74.76	
26 01 50 51-0131	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	71.05	
26 01 50 51-0132	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	71.05	
26 01 50 51-0133	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	146.01	
26 01 50 51-0134	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	78.47	
26 01 50 51-0135	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	74.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0136	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	78.47	
26 01 50 51-0137	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	78.47	
26 01 50 51-0138		**LED Lamps, GU Base, MR16** *(26 01 50 51-0110)*		
26 01 50 51-0139	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	35.79	
26 01 50 51-0140	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	49.49	
26 01 50 51-0141	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	55.43	
26 01 50 51-0142		**LED Lamps, PL Series** *(26 01 50 51-0110)*		
26 01 50 51-0143	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	18.12	
26 01 50 51-0144	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	24.04	
26 01 50 51-0145	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	20.51	
26 01 50 51-0146	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	22.72	
26 01 50 51-0147	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	22.72	
26 01 50 51-0148	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	26.70	
26 01 50 51-0149	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	22.72	
26 01 50 51-0150	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	22.72	
26 01 50 51-0151	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	22.72	
26 01 50 51-0152	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	22.72	
26 01 50 51-0153	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	25.37	
26 01 50 51-0154	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	25.37	
26 01 50 51-0155	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	25.37	
26 01 50 51-0156	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	25.37	
26 01 50 51-0157	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	24.04	
26 01 50 51-0158	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	24.04	
26 01 50 51-0159	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	24.04	
26 01 50 51-0160	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	24.93	
26 01 50 51-0161	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	24.93	
26 01 50 51-0162	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	25.12	
26 01 50 51-0163	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	25.12	
26 01 50 51-0164	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	25.12	
26 01 50 51-0165	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	25.12	
26 01 50 51-0166	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	25.81	
26 01 50 51-0167	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	25.81	
26 01 50 51-0168	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	25.81	
26 01 50 51-0169	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	25.81	
26 01 50 51-0170	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	25.81	
26 01 50 51-0171	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	25.81	
26 01 50 51-0172	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	25.81	
26 01 50 51-0173	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	25.81	
26 01 50 51-0174	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	32.72	
26 01 50 51-0175	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	32.72	
26 01 50 51-0176	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	32.72	
26 01 50 51-0177	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	31.13	
26 01 50 51-0178	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	31.13	
26 01 50 51-0179	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	31.13	
26 01 50 51-0180	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	27.38	
26 01 50 51-0181		**HID LED Lamps, Medium Base E26** *(26 01 50 51-0110)*		
26 01 50 51-0182	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	61.63	
26 01 50 51-0183	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	61.63	
26 01 50 51-0184	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	77.98	
26 01 50 51-0185	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	77.98	
26 01 50 51-0186	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	54.37	
26 01 50 51-0187	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	54.37	
26 01 50 51-0188	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	54.37	
26 01 50 51-0189	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	54.37	
26 01 50 51-0190	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	56.14	
26 01 50 51-0191	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	56.14	
26 01 50 51-0192	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	56.14	
26 01 50 51-0193	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	56.14	
26 01 50 51-0194	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	63.22	
26 01 50 51-0195	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	63.22	
26 01 50 51-0196	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	63.22	
26 01 50 51-0197	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	63.22	
26 01 50 51-0198	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	72.06	
26 01 50 51-0199	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	72.06	
26 01 50 51-0200	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	72.06	
26 01 50 51-0201	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	72.06	
26 01 50 51-0202	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	91.51	
26 01 50 51-0203	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	91.51	
26 01 50 51-0204	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	91.51	
26 01 50 51-0205	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	91.51	
26 01 50 51-0206	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	108.32	
26 01 50 51-0207	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	108.32	
26 01 50 51-0208	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	108.32	
26 01 50 51-0209	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	108.32	
26 01 50 51-0210	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	119.81	
26 01 50 51-0211	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	119.81	
26 01 50 51-0212	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	119.81	
26 01 50 51-0213	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	119.81	
26 01 50 51-0214	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	161.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0215	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	161.37	
26 01 50 51-0216	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	161.37	
26 01 50 51-0217	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	161.37	
26 01 50 51-0218	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	166.68	
26 01 50 51-0219	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	166.68	
26 01 50 51-0220	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	166.68	
26 01 50 51-0221	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	166.68	
26 01 50 51-0222	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	197.63	
26 01 50 51-0223	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	197.63	
26 01 50 51-0224	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	197.63	
26 01 50 51-0225	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	197.63	
26 01 50 51-0226	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	234.77	
26 01 50 51-0227	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	234.77	
26 01 50 51-0228	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	234.77	
26 01 50 51-0229	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	234.77	
26 01 50 51-0230	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	76.19	
26 01 50 51-0231	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	82.38	
26 01 50 51-0232	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	82.38	
26 01 50 51-0233	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	76.19	
26 01 50 51-0234	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	95.64	
26 01 50 51-0235	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	87.69	
26 01 50 51-0236	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	105.37	
26 01 50 51-0237	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	104.33	
26 01 50 51-0238	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	106.70	
26 01 50 51-0239	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	106.70	
26 01 50 51-0240	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	64.72	
26 01 50 51-0241	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	64.72	
26 01 50 51-0242	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	72.90	
26 01 50 51-0243	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	72.90	
26 01 50 51-0244	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	78.34	
26 01 50 51-0245	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	78.34	
26 01 50 51-0246	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	86.51	
26 01 50 51-0247	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	86.51	
26 01 50 51-0248	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	86.93	
26 01 50 51-0249	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	94.19	
26 01 50 51-0250	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	117.09	
26 01 50 51-0251	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	128.94	
26 01 50 51-0252	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	50.85	
26 01 50 51-0253	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	57.22	
26 01 50 51-0254	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	60.40	
26 01 50 51-0255	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	66.33	
26 01 50 51-0256	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	79.70	
26 01 50 51-0257	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	93.31	
26 01 50 51-0258	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	127.32	
26 01 50 51-0259	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	134.12	
26 01 50 51-0260	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	145.01	
26 01 50 51-0261	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	151.81	
26 01 50 51-0262	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	218.47	
26 01 50 51-0263	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	68.74	

26 01 50 51-0264 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0110)*

26 01 50 51-0265	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	209.03	
26 01 50 51-0266	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	209.03	
26 01 50 51-0267	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	209.03	
26 01 50 51-0268	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	61.63	
26 01 50 51-0269	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	61.63	
26 01 50 51-0270	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	61.63	
26 01 50 51-0271	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	77.98	
26 01 50 51-0272	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	77.98	
26 01 50 51-0273	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	77.98	
26 01 50 51-0274	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	144.31	
26 01 50 51-0275	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	161.37	
26 01 50 51-0276	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	161.37	
26 01 50 51-0277	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	161.37	
26 01 50 51-0278	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	161.37	
26 01 50 51-0279	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	166.68	
26 01 50 51-0280	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	166.68	
26 01 50 51-0281	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	166.68	
26 01 50 51-0282	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	166.68	
26 01 50 51-0283	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	197.63	
26 01 50 51-0284	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	197.63	
26 01 50 51-0285	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	197.63	
26 01 50 51-0286	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	197.63	
26 01 50 51-0287	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	234.77	
26 01 50 51-0288	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	234.77	
26 01 50 51-0289	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	234.77	
26 01 50 51-0290	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	234.77	
26 01 50 51-0291	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	82.38	
26 01 50 51-0292	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	82.38	
26 01 50 51-0293	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	95.64	
26 01 50 51-0294	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	94.42	
26 01 50 51-0295	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	105.37	
26 01 50 51-0296	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	104.33	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0297	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	106.70	
26 01 50 51-0298	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	103.62	
26 01 50 51-0299	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	223.87	
26 01 50 51-0300	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	82.35	
26 01 50 51-0301	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	82.35	
26 01 50 51-0302	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	93.35	
26 01 50 51-0303	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	93.35	
26 01 50 51-0304	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	99.97	
26 01 50 51-0305	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	99.97	
26 01 50 51-0306	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	64.61	
26 01 50 51-0307	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	64.61	
26 01 50 51-0308	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	72.90	
26 01 50 51-0309	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	72.90	
26 01 50 51-0310	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	78.34	
26 01 50 51-0311	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	78.34	
26 01 50 51-0312	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	86.51	
26 01 50 51-0313	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	86.51	
26 01 50 51-0314	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	155.38	
26 01 50 51-0315	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	179.61	
26 01 50 51-0316	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	214.10	
26 01 50 51-0317	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	417.18	
26 01 50 51-0318	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	393.99	
26 01 50 51-0319	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	417.18	
26 01 50 51-0320	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	418.99	
26 01 50 51-0321	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	64.21	
26 01 50 51-0322	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	64.21	
26 01 50 51-0323	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	64.21	
26 01 50 51-0324	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	188.70	
26 01 50 51-0325	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	423.09	
26 01 50 51-0326	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	180.69	
26 01 50 51-0327	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	212.69	
26 01 50 51-0328	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	94.33	
26 01 50 51-0329	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	295.21	

26 01 50 51-0330 LED Lamps, 2G11 Base *(26 01 50 51-0110)*

26 01 50 51-0331	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	49.79	

26 01 50 51-0332 LED Lamps, GX23 Or G23 Base *(26 01 50 51-0110)*

26 01 50 51-0333	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	24.60	

26 01 50 51-0334 LED Lamps, G24 Base *(26 01 50 51-0110)*

26 01 50 51-0335	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	31.90	

26 01 50 51-0336 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0110)*

26 01 50 51-0337	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	43.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.44*
26 01 50 51-0338	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	56.88	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.44*
26 01 50 51-0339	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	47.15	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.65*
26 01 50 51-0340	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	51.62	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.86*
26 01 50 51-0341	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	56.54	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.86*
26 01 50 51-0342	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	35.61	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.86*
26 01 50 51-0343	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	34.31	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.44*
26 01 50 51-0344	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	31.27	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.44*
26 01 50 51-0345	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	31.83	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.65*
26 01 50 51-0346	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	31.83	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.86*
26 01 50 51-0347	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	32.99	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-3.86*

26 01 50 51-0348 Filament LED Lamps *(26 01 50 51-0110)*

26 01 50 51-0349	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	20.18	
26 01 50 51-0350	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	20.18	
26 01 50 51-0351	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	19.30	
26 01 50 51-0352	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	19.30	
26 01 50 51-0353	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	20.71	
26 01 50 51-0354	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	20.71	
26 01 50 51-0355	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	17.53	
26 01 50 51-0356	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	17.53	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0357	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	18.06	
26 01 50 51-0358	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	21.95	
26 01 50 51-0359	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	23.85	

26 01 50 51-0360 Other Lamps *(26 01 50 51-0110)*

26 01 50 51-0361	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	19.16	
26 01 50 51-0362	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	19.16	
26 01 50 51-0363	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	19.16	
26 01 50 51-0364	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	20.04	
26 01 50 51-0365	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	20.04	
26 01 50 51-0366	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	20.04	

26 01 50 51-0367 LED Lamps, Light Engines, Round, LER Series *(26 01 50 51-0110)*

26 01 50 51-0368	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730)	57.59	
26 01 50 51-0369	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)	33.30	

26 01 50 51-0370 Remove Hazardous Lamps From Fixture For Recycling *(26 01 50 51)*

Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0379 for recycling hazardous lamps.

26 01 50 51-0371	EA	Removal Of 2' Length Linear Fluorescent Lamps	4.56	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.50*	
26 01 50 51-0372	EA	Removal Of 3' Length Linear Fluorescent Lamps	5.21	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.72*	
26 01 50 51-0373	EA	Removal Of 4' Length Linear Fluorescent Lamps	5.85	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.93*	
26 01 50 51-0374	EA	Removal Of 6' Length Linear Fluorescent Lamps	6.51	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.15*	
26 01 50 51-0375	EA	Removal Of 8' Length Linear Fluorescent Lamps	7.16	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.36*	
26 01 50 51-0376	EA	Removal Of Compact Fluorescent Lamps	3.90	
		For >25 To 40, Deduct	*-0.39*	
		For >40, Deduct	*-0.78*	
26 01 50 51-0377	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps	6.19	
		For >25 To 40, Deduct	*-0.62*	
		For >40, Deduct	*-1.24*	
26 01 50 51-0378	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps	11.07	
		For >25 To 40, Deduct	*-1.11*	
		For >40, Deduct	*-2.21*	

26 01 50 51-0379 Recycle Hazardous Lamps *(26 01 50 51)*

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.

26 01 50 51-0380	EA	Recycle 2' Length Linear Fluorescent Lamps	1.79	
26 01 50 51-0381	EA	Recycle 3' Length Linear Fluorescent Lamps	2.29	
26 01 50 51-0382	EA	Recycle 4' Length Linear Fluorescent Lamps	2.79	
26 01 50 51-0383	EA	Recycle 6' Length Linear Fluorescent Lamps	3.95	
26 01 50 51-0384	EA	Recycle 8' Length Linear Fluorescent Lamps	4.95	
26 01 50 51-0385	EA	Recycle Compact Fluorescent Lamps	4.56	
26 01 50 51-0386	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	4.56	
26 01 50 51-0387	EA	Recycle High Intensity Discharge (HID) Lamps	7.20	

26 01 50 52 Ballasts Replacement *(26 01 50)*

26 01 50 52-0001 Lighting Ballasts *(26 01 50 52)*

Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 52-0002 Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0003 T5 Fluorescent Ballasts *(26 01 50 52-0002)*

26 01 50 52-0004 T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.69	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	148.19	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*8.12*	

26 01 50 52-0008 21 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.69	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	148.19	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*8.12*	

26 01 50 52-0011 28 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.69	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	148.19	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*8.12*	

26 01 50 52-0014 35 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.69	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	148.19	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

26 01 50 52-0017 54 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.52	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	148.02	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	203.10	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	209.61	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	

26 01 50 52-0022 High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0003)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0023 12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*

26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	118.62	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0025	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	125.12	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

26 01 50 52-0026 24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*

26 01 50 52-0027	EA	1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	155.49	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0028	EA	2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	161.99	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

26 01 50 52-0029 39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*

26 01 50 52-0030	EA	1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	155.49	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0031	EA	2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	161.99	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

26 01 50 52-0032 54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*

26 01 50 52-0033	EA	1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	118.62	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0034	EA	2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	125.12	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

26 01 50 52-0035 Dimming, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)*

26 01 50 52-0036 Step Dimming, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0037 28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast *(26 01 50 52-0036)*

26 01 50 52-0038	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast	127.97	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

26 01 50 52-0039 Dimming To 5%, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0040 54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0039)*

26 01 50 52-0041	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	504.77	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0042	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	497.33	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

26 01 50 52-0043 T8 Fluorescent Ballasts *(26 01 50 52-0002)*

26 01 50 52-0044 T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)*

Note: Includes 120/277 Volt and low or normal ballast factor.

26 01 50 52-0045 17 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0046	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	61.35	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*19.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0047	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.88	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0048	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	67.85	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0049	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	115.38	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0050	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	82.71	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0051	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	129.20	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0052	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	94.64	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0053	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	141.39	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
		For High Ballast Factor, Add	*28.42*	
26 01 50 52-0054		**25 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0055	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	61.35	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0056	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.88	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0057	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	67.85	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	115.38	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	82.71	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	129.20	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	94.64	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	141.39	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
		For High Ballast Factor, Add	*28.42*	
26 01 50 52-0063		**28 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	61.35	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.88	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	67.85	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	115.38	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	82.71	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	129.20	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	94.64	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	141.39	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
		For High Ballast Factor, Add	*28.42*	
26 01 50 52-0072		**32 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	61.35	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.88	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	67.85	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*19.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	115.38	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	82.71	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	129.20	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	94.64	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	141.39	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	98.81	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*8.45*	
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.88	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	105.31	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*8.45*	
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	115.38	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	131.63	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
		For High Ballast Factor, Add	*5.20*	
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	129.20	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	138.14	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
		For High Ballast Factor, Add	*5.20*	
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	141.39	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	

26 01 50 52-0090 96 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	118.62	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
		For High Ballast Factor, Add	*18.09*	
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	125.12	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
		For High Ballast Factor, Add	*18.09*	

26 01 50 52-0093 High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0043)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0094 48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*

26 01 50 52-0095	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	144.12	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0096	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	188.17	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0097	EA	2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	150.62	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0098	EA	2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	194.67	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

26 01 50 52-0099 60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*

26 01 50 52-0100	EA	1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	144.12	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0101	EA	1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	188.17	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0102	EA	2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	150.62	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0103	EA	2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	194.67	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

26 01 50 52-0104 72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*

26 01 50 52-0105	EA	1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	144.12	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0106	EA	1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	188.17	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0107	EA	2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	150.62	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0108	EA	2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	194.67	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

26 01 50 52-0109 96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0110	EA	1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	144.12	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0111	EA	1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	188.17	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0112	EA	2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	150.62	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0113	EA	2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	194.67	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0114		Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)*		
26 01 50 52-0115		Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116		17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0117	EA	1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	72.23	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0118	EA	2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	78.73	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0119	EA	3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	90.72	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0120	EA	4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	109.40	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0121	EA	5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	164.40	52.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0122	EA	6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	170.90	58.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 01 50 52-0123		25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0124	EA	1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	72.23	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0125	EA	2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	78.73	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0126	EA	3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	90.72	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0127	EA	4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	109.40	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0128	EA	5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	164.40	52.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0129	EA	6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	170.90	58.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 01 50 52-0130		28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0131	EA	1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	72.23	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0132	EA	2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	78.73	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0133	EA	3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	90.72	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0134	EA	4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	109.40	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0135	EA	5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	164.40	52.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0136	EA	6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	170.90	58.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 01 50 52-0137		32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0138	EA	1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	72.23	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0139	EA	2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	78.73	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0140	EA	3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	90.72	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0141	EA	4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	109.40	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0142	EA	5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	164.40	52.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0143	EA	6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	170.90	58.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	
26 01 50 52-0144		40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0145	EA	1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	72.23	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0146	EA	2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	78.73	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0147	EA	3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	90.72	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0148	EA	4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	109.40	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0149	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	164.40	52.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0150	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	170.90	58.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	

26 01 50 52-0151 Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*

Note: Includes 120/277 Volt and high ballast factor.

26 01 50 52-0152 17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

26 01 50 52-0153	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	72.23	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0154	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	78.73	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0155	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	88.27	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0156	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	109.40	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0157	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	156.64	52.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0158	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	163.14	58.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	

26 01 50 52-0159 25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

26 01 50 52-0160	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	72.23	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0161	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	78.73	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0162	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	88.27	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0163	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	109.40	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0164	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	156.64	52.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0165	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	163.14	58.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	

26 01 50 52-0166 28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

26 01 50 52-0167	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	72.23	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0168	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	78.73	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0169	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	88.27	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0170	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	109.40	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0171	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	156.64	52.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0172	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	163.14	58.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	

26 01 50 52-0173 32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

26 01 50 52-0174	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	72.23	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0175	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	78.73	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0176	EA	3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	88.27	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0177	EA	4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	109.40	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0178	EA	5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	156.64	52.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0179	EA	6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	163.14	58.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	

26 01 50 52-0180 40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

26 01 50 52-0181	EA	1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	72.23	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0182	EA	2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	78.73	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0183	EA	3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	88.27	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0184	EA	4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	109.40	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0185	EA	5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	156.64	52.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0186	EA	6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	163.14	58.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.57*	

26 01 50 52-0187 Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0188 17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0189	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	177.91	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0190	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	184.41	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	220.32	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	226.83	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0193		**25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	177.91	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	184.41	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	220.32	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	226.83	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0198		**28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	177.91	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	184.41	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	220.32	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	226.83	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0203		**32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	177.91	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	184.41	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	220.32	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	226.83	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0208		**T10 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0209		**T10 Fluorescent Electronic Ballasts** *(26 01 50 52-0208)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210		**40 Watt, T10 Fluorescent Electronic Ballasts** *(26 01 50 52-0209)*		
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	87.44	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	93.94	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	115.23	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0214		**T12 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0215		**T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216		**25 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	61.35	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.44	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	67.85	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	93.94	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	82.71	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	94.64	45.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0223		**30 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.44	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	93.94	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	115.23	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0227		**34 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.44	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	93.94	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	115.23	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0231		**40 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.44	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	93.94	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	115.23	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0235		**96 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	110.01	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	125.12	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0238		**High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239		**48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	144.61	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	151.11	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0242		**60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	144.61	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	151.11	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0245		**72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	144.61	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	151.11	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0248		**96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	144.61	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	151.11	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0251		**Emergency Fluorescent Ballasts** *(26 01 50 52-0002)*		
		Note: 120/277 Volt.		
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	225.60	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	375.07	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	467.68	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	344.11	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	1,638.70	39.05
		For Factory Installation In New Fixtures, Deduct	*-57.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.18*	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	474.83	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	799.87	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	437.18	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	598.95	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	463.00	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	523.46	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	567.02	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	476.16	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	483.86	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	420.87	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	437.18	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	427.66	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	787.20	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	985.91	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,850.27	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,283.41	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	649.63	32.54
		For Factory Installation In New Fixtures, Deduct	*-54.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	844.31	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,750.85	32.54
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	

26 01 50 52-0276 LED Emergency Ballasts *(26 01 50 52-0001)*

26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	176.58	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	268.94	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	324.33	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	363.87	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	373.87	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	489.63	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	582.51	26.04
		For Factory Installation In New Fixtures, Deduct	*-52.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.62*	
26 01 50 52-0284		Compact Fluorescent Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0285		Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0286		18 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*		
26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	133.89	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	140.39	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0289		26 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*		
26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	133.89	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	140.39	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0292		32 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*		
26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	166.54	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	173.04	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0295		40 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*		
26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	129.99	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	166.54	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	246.17	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	173.04	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	290.89	39.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.72*	
26 01 50 52-0301		42 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*		
26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	166.54	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	173.04	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0304		55 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*		
26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	166.54	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	173.04	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0307		Dimming, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*		
26 01 50 52-0308		Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0307)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309		18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	250.02	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	256.52	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0312		26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	250.02	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	256.52	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0315		32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	250.02	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	274.55	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0318		40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	274.55	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0320		42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0321	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	250.02	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0322	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	274.55	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0323		55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	401.08	26.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	449.97	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0326		High Intensity Discharge (HID) Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0327		Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*		
26 01 50 52-0328		Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0329		Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
26 01 50 52-0330	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	180.72	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0331	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	185.09	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0332	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	185.09	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0333	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	172.65	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0334	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	172.65	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0335	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	256.04	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0336	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	256.04	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0337	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	329.49	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0338	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	366.96	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0339		High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
26 01 50 52-0340	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	163.45	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0341	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	173.22	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0342	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	169.00	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0343	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	198.38	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0344	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	194.18	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0345	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	221.44	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0346	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	221.44	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0347	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	266.77	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0348	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	266.77	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0349	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	425.85	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0350	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	425.85	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0351		Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
26 01 50 52-0352	EA	Single Mounting Bracket For Core And Coil Type	19.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 01 50 52-0353	EA	Double Mounting Bracket For Core And Coil Type	32.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.86*	
26 01 50 52-0354		F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0355		Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0356	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	228.86	32.54
		For Pulse Start Ballast, Add	*18.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0357	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	240.98	32.54
		For Pulse Start Ballast, Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0358	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	219.68	32.54
		For Pulse Start Ballast, Add	*17.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0359	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	254.69	32.54
		For Pulse Start Ballast, Add	*20.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0360	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	352.80	32.54
		For Pulse Start Ballast, Add	*30.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0361		**High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0354)*		
26 01 50 52-0362	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	274.81	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0363	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	293.70	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0364		**Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0365		**Metal Halide, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0364)*		
26 01 50 52-0366	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	455.99	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0367		**High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0364)*		
26 01 50 52-0368	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	701.35	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.64*	
26 01 50 52-0369	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	781.92	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.64*	
26 01 50 52-0370	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	754.04	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.64*	
26 01 50 52-0371		**Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0372		**Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)*		
26 01 50 52-0373	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	560.93	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0374	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	636.38	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0375	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	839.84	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0376	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	835.46	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0377	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,169.80	35.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.45*	
26 01 50 52-0378	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,169.80	35.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.45*	
26 01 50 52-0379	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	805.52	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0380	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	947.32	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0381		**High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)*		
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,044.83	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	994.85	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,278.19	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,278.19	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0386		**Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0387		**Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0386)*		
26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	630.07	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	680.42	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	675.46	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	709.20	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,125.81	35.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.45*	
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,383.41	35.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.45*	
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,050.68	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	956.76	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	

26 01 50 52-0396 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0386)*

26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	812.78	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	876.29	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,307.50	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,125.31	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	

26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*

26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0401)*

26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	253.01	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	253.01	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	284.84	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	730.91	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	730.91	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	730.91	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	730.91	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	730.91	32.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	

26 01 50 52-0411 Owner Supplied Ballasts *(26 01 50 52-0001)*

26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	26.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	32.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.76*	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	37.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.33*	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	40.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.11*	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	45.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	48.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.45*	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001 Lens and Accessory Replacement *(26 01 50 53)*

26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver	87.98	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures	197.83	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole	220.50	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	94.33	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	32.62	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	33.69	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	38.33	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder	14.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder	14.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	16.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	18.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	19.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	16.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes	62.27	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 01 50 81 Luminaire Replacement *(26 01 50)*

26 01 50 81-0001 Retrofit Lighting Fixtures *(26 01 50 81)*

26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures *(26 01 50 81-0001)*

26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0004	EA	7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	111.00
26 01 50 81-0005	EA	7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	111.00
26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	111.00
26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	92.49
26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	92.49
26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	92.49
26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	100.28
26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	100.28
26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	100.28

26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	316.31
26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	328.00
26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	339.69
26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	353.99
26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	388.09
26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	402.37
26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	434.53
26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	446.22
26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	460.51
26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	481.95
26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	505.01
26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	527.42
26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	539.12
26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	558.60
26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	581.98
26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	606.34
26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	643.37
26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	659.93
26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	688.84
26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	726.84
26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	746.33
26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	793.10
26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	835.97
26 01 50 81-0037	EA	26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	865.85
26 01 50 81-0038	EA	27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	907.75
26 01 50 81-0039	EA	28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	989.28
26 01 50 81-0040	EA	29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	999.02
26 01 50 81-0041	EA	31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	1,024.36

26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0043	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35) Note: Fits 1' x 4' Troffer/Strip	137.03
26 01 50 81-0044	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40) Note: Fits 1' x 4' Troffer/Strip	137.03
26 01 50 81-0045	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50) Note: Fits 1' x 4' Troffer/Strip	137.03
26 01 50 81-0046	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35) Note: Fits 2' x 4' Troffer/Strip	141.90
26 01 50 81-0047	EA	2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) Note: Fits 2' x 4' Troffer/Strip	141.90
26 01 50 81-0048	EA	2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) Note: Fits 2' x 4' Troffer/Strip	141.90
26 01 50 81-0049	EA	2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) Note: Fits 2' x 4' Troffer/Strip	151.64
26 01 50 81-0050	EA	2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) Note: Fits 2' x 4' Troffer/Strip	151.64
26 01 50 81-0051	EA	2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) Note: Fits 2' x 4' Troffer/Strip	151.64
26 01 50 81-0052	EA	3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) Note: Fits 2' x 4' Troffer/Strip	141.90
26 01 50 81-0053	EA	3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) Note: Fits 2' x 4' Troffer/Strip	141.90
26 01 50 81-0054	EA	3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) Note: Fits 2' x 4' Troffer/Strip	141.90
26 01 50 81-0055	EA	3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) Note: Fits 2' x 4' Troffer/Strip	151.64

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0056		EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	151.64	
26 01 50 81-0057		EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	151.64	
26 01 50 81-0058		EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	171.13	
26 01 50 81-0059		EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	171.13	
26 01 50 81-0060		EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	171.13	
26 01 50 81-0061		EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	137.03	
26 01 50 81-0062		EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	137.03	
26 01 50 81-0063		EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	137.03	
26 01 50 81-0064		EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	137.03	
26 01 50 81-0065		EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	137.03	
26 01 50 81-0066		EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	137.03	
26 01 50 81-0067		EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	141.90	
26 01 50 81-0068		EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	141.90	
26 01 50 81-0069		EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	141.90	
26 01 50 81-0070		EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	147.74	
26 01 50 81-0071		EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	147.74	
26 01 50 81-0072		EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	147.74	

26 01 50 81-0073 LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0074		EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN)	297.95	
26 01 50 81-0075		EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN)	297.95	
26 01 50 81-0076		EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN)	269.69	
26 01 50 81-0077		EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN)	269.69	
26 01 50 81-0078		EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	138.33	
26 01 50 81-0079		EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	138.33	
26 01 50 81-0080		EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	156.84	
26 01 50 81-0081		EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	156.84	
26 01 50 81-0082		EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	170.49	
26 01 50 81-0083		EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	170.49	
26 01 50 81-0084		EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	175.36	
26 01 50 81-0085		EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	175.36	
26 01 50 81-0086		EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	110.07	
26 01 50 81-0087		EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	110.07	
26 01 50 81-0088		EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	121.77	
26 01 50 81-0089		EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	121.77	
26 01 50 81-0090		EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	113.00	
26 01 50 81-0091		EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	113.00	
26 01 50 81-0092		EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	124.69	
26 01 50 81-0093		EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	124.69	
26 01 50 81-0094		EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	112.02	
26 01 50 81-0095		EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	112.02	
26 01 50 81-0096		EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	120.79	
26 01 50 81-0097		EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	120.79	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 01 50 81-0098 LED Lighting Retrofit Accessories (LG) *(26 01 50 81-0002)*

See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE)	26.01	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)	142.11	14.81
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)	148.03	17.77
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B)	182.29	14.81
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	188.21	17.77
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	94.01	11.85
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	31.98	11.85
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	34.33	11.85
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A) Note: includes dongle	88.77	17.77

26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.

26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	115.67
		For Specular Ballast Cover, Add	*14.04*
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	122.95
		For Specular Ballast Cover, Add	*15.50*
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	165.64
		For Specular Ballast Cover, Add	*24.04*
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	191.46
		For Specular Ballast Cover, Add	*29.20*

26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	121.94
		For Specular Reflector, Add	*15.30*
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	129.98
		For Specular Reflector, Add	*16.91*
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	174.43
		For Specular Reflector, Add	*25.80*
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	225.19
		For Specular Reflector, Add	*35.95*

26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	151.25
		For Specular Reflector, Add	*18.56*
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	158.53
		For Specular Reflector, Add	*20.02*
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	160.78
		For Specular Reflector, Add	*20.47*
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	180.04
		For Specular Reflector, Add	*24.32*
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	220.06
		For Specular Reflector, Add	*32.33*
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	166.06
		For Specular Reflector, Add	*21.53*
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	182.95
		For Specular Reflector, Add	*24.90*
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	196.91
		For Specular Reflector, Add	*27.70*

26 01 50 81-0128 Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 81-0001)*

26 01 50 81-0129 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	172.04
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	172.04
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	172.04
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	186.45
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	172.04
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	172.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	172.04	
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	186.45	
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	173.09	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	173.09	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	173.09	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	187.49	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	173.09	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	173.09	
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	173.09	
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	187.49	

26 01 50 81-0146 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	234.78	
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	244.57	

26 01 50 81-0149 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	364.60	
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	373.35	
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	364.60	
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	373.35	
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	417.09	
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	430.21	
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	460.83	

26 01 50 81-0157 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	337.83	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	350.04	
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	353.69	
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	365.89	
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	255.47	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	261.27	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	270.54	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	276.34	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	341.25	
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	406.15	

26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	317.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	229.83	
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	325.41	
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	237.95	
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	340.17	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	259.90	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	371.87	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	284.29	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	379.53	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	292.02	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	394.11	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	313.86	

26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	672.24	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	746.84	

26 01 50 81-0184 Retrofit Existing HID Fixtures *(26 01 50 81-0001)*

26 01 50 81-0185	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	1,522.29	

26 01 50 81-0186 LED Lighting Retrofits For Existing Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts.

26 01 50 81-0187 LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0186)*

26 01 50 81-0188	EA	2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT)	119.15	
		For >25 To 50, Deduct	*-5.96*	
		For >50 To 100, Deduct	*-10.40*	
		For >100, Deduct	*-17.76*	
26 01 50 81-0189	EA	2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	171.20	
		For >25 To 50, Deduct	*-8.56*	
		For >50 To 100, Deduct	*-14.30*	
		For >100, Deduct	*-22.96*	
26 01 50 81-0190	EA	3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	129.47	
		For >25 To 50, Deduct	*-6.47*	
		For >50 To 100, Deduct	*-11.25*	
		For >100, Deduct	*-19.12*	
26 01 50 81-0191	EA	3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT)	119.31	
		For >25 To 50, Deduct	*-5.97*	
		For >50 To 100, Deduct	*-10.49*	
		For >100, Deduct	*-18.10*	
26 01 50 81-0192	EA	4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	155.14	
		For >25 To 50, Deduct	*-7.76*	
		For >50 To 100, Deduct	*-13.26*	
		For >100, Deduct	*-22.01*	
26 01 50 81-0193	EA	4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	200.25	
		For >25 To 50, Deduct	*-10.01*	
		For >50 To 100, Deduct	*-16.64*	
		For >100, Deduct	*-26.52*	
26 01 50 81-0194	EA	4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	128.82	
		For >25 To 50, Deduct	*-6.44*	
		For >50 To 100, Deduct	*-11.28*	
		For >100, Deduct	*-19.37*	
26 01 50 81-0195	EA	4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	128.82	
		For >25 To 50, Deduct	*-6.44*	
		For >50 To 100, Deduct	*-11.28*	
		For >100, Deduct	*-19.37*	
26 01 50 81-0196	EA	4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT)	164.16	
		For >25 To 50, Deduct	*-8.21*	
		For >50 To 100, Deduct	*-13.94*	
		For >100, Deduct	*-22.91*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0197		EA	4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	140.10	
			For >25 To 50, Deduct	*-7.01*	
			For >50 To 100, Deduct	*-12.13*	
			For >100, Deduct	*-20.50*	
26 01 50 81-0198		EA	4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	140.10	
			For >25 To 50, Deduct	*-7.01*	
			For >50 To 100, Deduct	*-12.13*	
			For >100, Deduct	*-20.50*	

26 01 50 81-0199 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0186)*

26 01 50 81-0200		EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	278.10	
			For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
			For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
			For >25 To 50, Deduct	*-13.91*	
			For >50 To 100, Deduct	*-22.48*	
			For >100, Deduct	*-34.30*	
26 01 50 81-0201		EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2)	299.44	
			For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
			For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
			For >25 To 50, Deduct	*-14.97*	
			For >50 To 100, Deduct	*-24.08*	
			For >100, Deduct	*-36.44*	
26 01 50 81-0202		EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	315.39	
			For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
			For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
			For >25 To 50, Deduct	*-15.77*	
			For >50 To 100, Deduct	*-25.28*	
			For >100, Deduct	*-38.03*	
26 01 50 81-0203		EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	340.31	
			For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
			For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
			For >25 To 50, Deduct	*-17.02*	
			For >50 To 100, Deduct	*-27.15*	
			For >100, Deduct	*-40.52*	
26 01 50 81-0204		EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	365.57	
			For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
			For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
			For >25 To 50, Deduct	*-18.28*	
			For >50 To 100, Deduct	*-29.37*	
			For >100, Deduct	*-44.35*	
26 01 50 81-0205		EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	394.51	
			For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
			For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
			For >25 To 50, Deduct	*-19.73*	
			For >50 To 100, Deduct	*-31.54*	
			For >100, Deduct	*-47.24*	

26 01 50 81-0206 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) *(26 01 50 81-0186)*

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0207		EA	2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40)	111.38	
			Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	*-5.57*	
			For >50 To 100, Deduct	*-9.81*	
			For >100, Deduct	*-16.98*	
26 01 50 81-0208		EA	2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50)	111.38	
			Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	*-5.57*	
			For >50 To 100, Deduct	*-9.81*	
			For >100, Deduct	*-16.98*	
26 01 50 81-0209		EA	4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40)	146.23	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	*-7.31*	
			For >50 To 100, Deduct	*-12.59*	
			For >100, Deduct	*-21.12*	
26 01 50 81-0210		EA	4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50)	146.23	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	*-7.31*	
			For >50 To 100, Deduct	*-12.59*	
			For >100, Deduct	*-21.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0211	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30)	146.35	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.32*	
		For >50 To 100, Deduct	*-12.60*	
		For >100, Deduct	*-21.13*	
26 01 50 81-0212	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F)	159.39	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.97*	
		For >50 To 100, Deduct	*-13.58*	
		For >100, Deduct	*-22.43*	
26 01 50 81-0213	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35)	146.35	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.32*	
		For >50 To 100, Deduct	*-12.60*	
		For >100, Deduct	*-21.13*	
26 01 50 81-0214	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F)	159.39	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.97*	
		For >50 To 100, Deduct	*-13.58*	
		For >100, Deduct	*-22.43*	
26 01 50 81-0215	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40)	146.35	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.32*	
		For >50 To 100, Deduct	*-12.60*	
		For >100, Deduct	*-21.13*	
26 01 50 81-0216	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F)	159.39	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.97*	
		For >50 To 100, Deduct	*-13.58*	
		For >100, Deduct	*-22.43*	
26 01 50 81-0217	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50)	146.35	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.32*	
		For >50 To 100, Deduct	*-12.60*	
		For >100, Deduct	*-21.13*	
26 01 50 81-0218	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F)	159.39	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.97*	
		For >50 To 100, Deduct	*-13.58*	
		For >100, Deduct	*-22.43*	
26 01 50 81-0219	EA	4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50)	159.28	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.96*	
		For >50 To 100, Deduct	*-13.57*	
		For >100, Deduct	*-22.42*	
26 01 50 81-0220	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	187.18	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.36*	
		For >50 To 100, Deduct	*-15.66*	
		For >100, Deduct	*-25.21*	
26 01 50 81-0221	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	203.49	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.17*	
		For >50 To 100, Deduct	*-16.88*	
		For >100, Deduct	*-26.84*	
26 01 50 81-0222	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	187.18	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.36*	
		For >50 To 100, Deduct	*-15.66*	
		For >100, Deduct	*-25.21*	
26 01 50 81-0223	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	203.49	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.17*	
		For >50 To 100, Deduct	*-16.88*	
		For >100, Deduct	*-26.84*	
26 01 50 81-0224	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800)	200.46	
		Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
		For >25 To 50, Deduct	*-10.02*	
		For >50 To 100, Deduct	*-15.36*	
		For >100, Deduct	*-21.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0225	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W)	183.97	
		Note: 90-minute emergency battery with power output of 20 Watts		
		For >25 To 50, Deduct	*-9.20*	
		For >50 To 100, Deduct	*-14.12*	
		For >100, Deduct	*-19.70*	
26 01 50 81-0226	EA	8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50)	190.17	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.51*	
		For >50 To 100, Deduct	*-16.37*	
		For >100, Deduct	*-27.46*	
26 01 50 81-0227	EA	8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F)	198.32	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.92*	
		For >50 To 100, Deduct	*-16.98*	
		For >100, Deduct	*-28.27*	
26 01 50 81-0228	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	278.39	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-13.92*	
		For >50 To 100, Deduct	*-22.99*	
		For >100, Deduct	*-36.28*	
26 01 50 81-0229	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	311.00	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-15.55*	
		For >50 To 100, Deduct	*-25.44*	
		For >100, Deduct	*-39.54*	
26 01 50 81-0230	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	278.39	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-13.92*	
		For >50 To 100, Deduct	*-22.99*	
		For >100, Deduct	*-36.28*	
26 01 50 81-0231	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	311.00	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-15.55*	
		For >50 To 100, Deduct	*-25.44*	
		For >100, Deduct	*-39.54*	

26 05 Common Work Results for Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001 Wire And Cable *(26 05 13 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 Wire Connections *(26 05 13 16-0001)*

26 05 13 16-0003 Medium Voltage Up To 5 KV *(26 05 13 16-0002)*

26 05 13 16-0004 Shielded One Conductor Cable Splice *(26 05 13 16-0003)*

26 05 13 16-0005	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	495.40	129.66
26 05 13 16-0006	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	732.68	129.66
26 05 13 16-0007	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	732.68	129.66
26 05 13 16-0008	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	771.27	155.59
26 05 13 16-0009	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	771.27	155.59
26 05 13 16-0010	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	771.27	155.59
26 05 13 16-0011	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	822.71	181.52
26 05 13 16-0012	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	822.71	181.52
26 05 13 16-0013	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	822.71	181.52

26 05 13 16-0014 Cable Termination Without Stress Cone *(26 05 13 16-0003)*

26 05 13 16-0015	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	812.35	155.59
26 05 13 16-0016	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	934.53	181.52

26 05 13 16-0017 Cable Termination With Stress Cone *(26 05 13 16-0003)*

26 05 13 16-0018	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,656.58	311.17
26 05 13 16-0019	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	3,639.72	427.86

26 05 13 16-0020 Connect To Pothead, Pothead Included *(26 05 13 16-0003)*

26 05 13 16-0021	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	2,799.90	311.17
26 05 13 16-0022	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	3,639.02	356.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0023		**Two Conductor Pothead** *(26 05 13 16-0003)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0024	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,727.71	427.86
26 05 13 16-0025	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,375.47	544.56
26 05 13 16-0026	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,950.68	617.43
26 05 13 16-0027	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	6,872.35	720.37
26 05 13 16-0028	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	13,024.39	1,080.43
26 05 13 16-0029		**Three Conductor Pothead** *(26 05 13 16-0003)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0030	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	8,798.65	622.36
26 05 13 16-0031	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	9,564.71	726.08
26 05 13 16-0032		**Copper Cable Splice, Crimp Compression Connection** *(26 05 13 16-0003)*		
		Note: For bare wire.		
26 05 13 16-0033	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	88.91	
26 05 13 16-0034	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	99.22	
26 05 13 16-0035	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	115.61	
26 05 13 16-0036	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	130.01	
26 05 13 16-0037	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	147.22	
26 05 13 16-0038	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	163.33	
26 05 13 16-0039	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	178.98	
26 05 13 16-0040	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	196.52	
26 05 13 16-0041	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	212.92	
26 05 13 16-0042	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	230.18	
26 05 13 16-0043	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	248.55	
26 05 13 16-0044	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	264.27	
26 05 13 16-0045	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	300.33	
26 05 13 16-0046	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	339.02	
26 05 13 16-0047		**Aluminum Cable Splice, Crimp Compression Connection** *(26 05 13 16-0003)*		
		Note: For bare wire.		
26 05 13 16-0048	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	94.02	
26 05 13 16-0049	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	102.05	
26 05 13 16-0050	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	139.34	
26 05 13 16-0051	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	170.94	
26 05 13 16-0052	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	185.72	
26 05 13 16-0053	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	200.35	
26 05 13 16-0054	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	221.34	
26 05 13 16-0055	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	239.17	
26 05 13 16-0056	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	255.81	
26 05 13 16-0057	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	273.61	
26 05 13 16-0058	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	290.57	
26 05 13 16-0059	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	338.01	
26 05 13 16-0060	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	386.02	
26 05 13 16-0061		**15 KV** *(26 05 13 16-0002)*		
26 05 13 16-0062		**Single Conductor Pothead On Racks** *(26 05 13 16-0061)*		
		Note: Includes pothead.		
26 05 13 16-0063	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	2,076.07	544.56
26 05 13 16-0064	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,670.26	674.21
26 05 13 16-0065		**Two Conductor Pothead On Rack** *(26 05 13 16-0061)*		
		Note: Includes pothead.		
26 05 13 16-0066	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	3,005.03	829.80
26 05 13 16-0067	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	3,639.98	985.39
26 05 13 16-0068		**Three Conductor Pothead On Rack** *(26 05 13 16-0061)*		
		Note: Includes pothead.		
26 05 13 16-0069	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	3,807.42	1,076.15
26 05 13 16-0070	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	4,736.18	1,348.43
26 05 13 16-0071		**Stress Relief Cone On Rack** *(26 05 13 16-0061)*		
26 05 13 16-0072	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	1,902.92	544.56
26 05 13 16-0073	EA	250 To 500 MCM Stress Relief Cone, On Rack	2,475.59	674.21
26 05 13 16-0074		**Grounded, Shielded Cable Splice** *(26 05 13 16-0061)*		
26 05 13 16-0075	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,266.43	401.93
26 05 13 16-0076	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,617.06	518.62
26 05 13 16-0077	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	9,394.33	1,426.22
26 05 13 16-0078	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	12,482.18	1,555.88
26 05 13 16-0079		**Cable Termination** *(26 05 13 16-0061)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0080	EA	#2 To 3/0 AWG Cable Termination 15 KV	900.72	226.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.14*	
26 05 13 16-0081	EA	4/0 To 250 MCM Cable Termination 15 KV	1,130.27	291.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.04*	
26 05 13 16-0082	EA	350 To 500 MCM Cable Termination 15 KV	1,409.03	356.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.93*	
26 05 13 16-0083	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	596.45	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	

26 05 13 16-0084 Stress Cones, 5-15 KV, 4 Skirted *(26 05 13 16-0061)*

26 05 13 16-0085	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,334.06	168.56
26 05 13 16-0086	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,528.66	186.29
26 05 13 16-0087	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	1,841.92	203.87
26 05 13 16-0088	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	2,410.66	234.89

26 05 13 16-0089 Stress Cones, 5-15 KV, 6 Skirted *(26 05 13 16-0061)*

26 05 13 16-0090	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	2,668.17	337.68
26 05 13 16-0091	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	3,057.74	372.58
26 05 13 16-0092	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	3,668.70	400.17
26 05 13 16-0093	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	4,821.32	469.77

26 05 13 16-0094 35 KV *(26 05 13 16-0002)*

26 05 13 16-0095 35 KV One Conductor Splice *(26 05 13 16-0094)*

26 05 13 16-0096	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	3,179.70	

26 05 13 16-0097 Cable Termination *(26 05 13 16-0094)*

26 05 13 16-0098	EA	#2 To 3/0 AWG Cable Termination, 35 KV	850.72	155.72
26 05 13 16-0099	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination	1,129.67	234.94
26 05 13 16-0100	EA	350 To 500 MCM Cable Termination 35 KV	1,342.39	251.28
26 05 13 16-0101	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	666.16	129.66

26 05 13 16-0102 70 KV *(26 05 13 16-0002)*

26 05 13 16-0103 Cable Splice *(26 05 13 16-0102)*

26 05 13 16-0104	EA	350 MCM, 70 KV, Cable Splicing	22,711.74	
26 05 13 16-0105	EA	#2 To 4/0, 70 KV, Cable Splicing	3,354.87	

26 05 13 16-0106 5 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0106)*

26 05 13 16-0108	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,772.04	1,010.05
26 05 13 16-0109	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,443.01	1,102.87
26 05 13 16-0110	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,286.06	1,246.07
26 05 13 16-0111	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,840.17	1,535.22
26 05 13 16-0112	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,786.12	1,728.79
26 05 13 16-0113	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,508.63	1,918.91
26 05 13 16-0114	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,702.01	2,156.10
26 05 13 16-0115	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	12,666.37	2,398.74
26 05 13 16-0116	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,781.39	2,864.05
26 05 13 16-0117	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	18,577.96	3,366.62
26 05 13 16-0118	MLF	750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	27,433.48	3,967.93
26 05 13 16-0119	MLF	1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	36,295.35	4,568.94

26 05 13 16-0120 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0106)*

Note: Excludes excavation.

26 05 13 16-0121	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,645.79	
26 05 13 16-0122	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,084.58	
26 05 13 16-0123	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,569.57	
26 05 13 16-0124	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,638.19	
26 05 13 16-0125	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,100.08	
26 05 13 16-0126	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,583.93	
26 05 13 16-0127	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,184.38	
26 05 13 16-0128	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,784.83	
26 05 13 16-0129	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,862.59	
26 05 13 16-0130	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,516.29	

26 05 13 16-0131 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0106)*

26 05 13 16-0132	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,916.91	634.82
26 05 13 16-0133	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,476.58	680.66
26 05 13 16-0134	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,435.02	860.76
26 05 13 16-0135	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,750.92	1,044.93
26 05 13 16-0136	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,690.85	1,226.66

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0137	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,401.45	1,402.81
26 05 13 16-0138	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,593.27	1,627.66
26 05 13 16-0139	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,056.15	2,047.70
26 05 13 16-0140	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,436.70	2,590.97
26 05 13 16-0141	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,724.66	3,255.31

26 05 13 16-0142 5 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0106)*

26 05 13 16-0143	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	8,149.15	2,012.89
26 05 13 16-0144	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,312.47	2,041.82
26 05 13 16-0145	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,475.80	2,070.75
26 05 13 16-0146	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,901.69	2,116.51
26 05 13 16-0147	MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,951.87	2,197.26
26 05 13 16-0148	MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	18,224.53	2,302.75
26 05 13 16-0149	MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	27,975.52	2,878.44
26 05 13 16-0150	MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	32,452.16	3,837.97

26 05 13 16-0151 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0106)*

26 05 13 16-0152	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,996.52	1,010.05
26 05 13 16-0153	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,746.47	1,102.87
26 05 13 16-0154	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,676.81	1,246.07
26 05 13 16-0155	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,528.51	1,390.58
26 05 13 16-0156	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,380.58	1,535.22
26 05 13 16-0157	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,409.66	1,728.79
26 05 13 16-0158	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,356.65	1,918.91
26 05 13 16-0159	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,658.11	2,156.10
26 05 13 16-0160	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	13,866.90	2,398.74
26 05 13 16-0161	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	16,153.19	2,864.05
26 05 13 16-0162	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	20,407.02	3,366.62
26 05 13 16-0163	MLF	750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	30,586.59	3,967.93
26 05 13 16-0164	MLF	1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	40,772.48	4,568.94

26 05 13 16-0165 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0106)*

Note: Excludes excavation.

26 05 13 16-0166	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,870.26	
26 05 13 16-0167	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,388.04	
26 05 13 16-0168	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,960.32	
26 05 13 16-0169	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,570.01	
26 05 13 16-0170	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,178.60	
26 05 13 16-0171	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,723.63	
26 05 13 16-0172	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,431.95	
26 05 13 16-0173	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,140.48	
26 05 13 16-0174	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,985.36	
26 05 13 16-0175	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,234.39	
26 05 13 16-0176	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,345.36	

26 05 13 16-0177 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0106)*

26 05 13 16-0178	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,141.39	634.82
26 05 13 16-0179	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,780.04	680.66
26 05 13 16-0180	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,825.77	860.76
26 05 13 16-0181	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,556.87	952.17
26 05 13 16-0182	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,291.33	1,044.93
26 05 13 16-0183	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,314.39	1,226.66
26 05 13 16-0184	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,249.47	1,402.81
26 05 13 16-0185	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,549.37	1,627.66
26 05 13 16-0186	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,256.68	2,047.70
26 05 13 16-0187	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,808.50	2,590.97
26 05 13 16-0188	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	20,553.72	3,255.31

26 05 13 16-0189 15 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0190 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0189)*

26 05 13 16-0191 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0190)*

26 05 13 16-0192	MLF	#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installlled In Duct	8,195.38	2,012.89
26 05 13 16-0193	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installlled In Duct	8,838.86	2,012.89
26 05 13 16-0194	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installlled In Duct	9,084.30	2,012.89
26 05 13 16-0195	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installlled In Duct	9,883.88	2,012.89
26 05 13 16-0196	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installlled In Duct	10,642.79	2,012.89
26 05 13 16-0197	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installlled In Duct	12,137.06	2,101.11
26 05 13 16-0198	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installlled In Duct	12,435.21	2,101.11
26 05 13 16-0199	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installlled In Duct	14,302.04	2,197.26
26 05 13 16-0200	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installlled In Duct	16,179.01	2,248.79
26 05 13 16-0201	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installlled In Duct	19,911.73	2,533.02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
26 05 13 16-0202		**Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial** *(26 05 13 16-0190)* Note: Excludes excavation.		
26 05 13 16-0203	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,919.04	
26 05 13 16-0204	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,718.60	
26 05 13 16-0205	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,477.52	
26 05 13 16-0206	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,999.64	
26 05 13 16-0207	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,297.78	
26 05 13 16-0208	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,283.79	
26 05 13 16-0209	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,164.11	
26 05 13 16-0210	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	17,608.99	
26 05 13 16-0211		**Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)** *(26 05 13 16-0190)*		
26 05 13 16-0212	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,437.53	906.87
26 05 13 16-0213	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,600.30	1,044.93
26 05 13 16-0214	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,837.26	1,226.66
26 05 13 16-0215	MLF	3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable	10,574.66	1,402.81
26 05 13 16-0216	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,464.17	1,627.66
26 05 13 16-0217	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,793.38	1,894.80
26 05 13 16-0218	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,365.12	2,207.93
26 05 13 16-0219	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	20,325.93	2,564.72
26 05 13 16-0220		**Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable** *(26 05 13 16-0189)*		
26 05 13 16-0221		**Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** *(26 05 13 16-0220)*		
26 05 13 16-0222	MLF	#4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,764.75	2,012.89
26 05 13 16-0223	MLF	#2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,524.05	2,012.89
26 05 13 16-0224	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,813.67	2,012.89
26 05 13 16-0225	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,757.17	2,012.89
26 05 13 16-0226	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,652.69	2,012.89
26 05 13 16-0227	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,376.26	2,101.11
26 05 13 16-0228	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,728.07	2,101.11
26 05 13 16-0229	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	15,887.63	2,197.26
26 05 13 16-0230	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	18,079.28	2,248.79
26 05 13 16-0231	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	22,355.98	2,533.02
26 05 13 16-0232		**Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial** *(26 05 13 16-0220)* Note: Excludes excavation.		
26 05 13 16-0233	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,648.41	
26 05 13 16-0234	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,591.90	
26 05 13 16-0235	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,487.42	
26 05 13 16-0236	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,238.84	
26 05 13 16-0237	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,590.64	
26 05 13 16-0238	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,864.77	
26 05 13 16-0239	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,055.36	
26 05 13 16-0240	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	20,053.24	
26 05 13 16-0241		**Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)** *(26 05 13 16-0220)*		
26 05 13 16-0242	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,166.90	906.87
26 05 13 16-0243	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,473.60	1,044.93
26 05 13 16-0244	MLF	2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,847.16	1,226.66
26 05 13 16-0245	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,813.86	1,402.81
26 05 13 16-0246	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,757.03	1,627.66
26 05 13 16-0247	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,378.97	1,894.80
26 05 13 16-0248	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,265.39	2,207.93
26 05 13 16-0249	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	22,770.18	2,564.72
26 05 13 16-0250		**15 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0189)*		
26 05 13 16-0251	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,634.49	2,019.94
26 05 13 16-0252	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,109.01	2,068.23
26 05 13 16-0253	MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	15,046.19	2,116.51
26 05 13 16-0254	MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	20,586.13	2,257.56
26 05 13 16-0255		**Shielded, Armored Copper, 15 KV, 3 Conductor Cable** *(26 05 13 16-0189)* Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0256		**Galvanized Steel Interlocked Armor Cable** *(26 05 13 16-0255)*		
26 05 13 16-0257	LF	3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	56.10	15.40
26 05 13 16-0258	LF	3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	66.78	16.40

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0259		Aluminum Interlocked Armor Cable *(26 05 13 16-0255)*		
26 05 13 16-0260	LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	56.10	15.40
26 05 13 16-0261	LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	66.78	16.40
26 05 13 16-0262		Type URD, 15 KV Primary Concentric UD Cable *(26 05 13 16-0189)*		
		Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0263	MLF	#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,059.15	1,010.05
26 05 13 16-0264	MLF	#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,831.13	1,102.87
26 05 13 16-0265	MLF	#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,785.84	1,246.07
26 05 13 16-0266	MLF	1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	7,521.15	1,531.05
26 05 13 16-0267	MLF	2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	8,570.70	1,723.61
26 05 13 16-0268	MLF	3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	10,593.24	1,918.91
26 05 13 16-0269	MLF	4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	11,904.75	2,148.03
26 05 13 16-0270		15 KV, URD Copper Cable, Direct Burial *(26 05 13 16-0189)*		
26 05 13 16-0271	MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	19,260.43	

26 05 19 Low-Voltage Electrical Power Conductors and Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001		Under Carpet Power System *(26 05 19 13)*		
		Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing		
26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield	6.07	0.59
26 05 19 13-0003	LF	Steel, Top Shield	13.19	0.59
26 05 19 13-0004	EA	3-Conductor, Splice	35.92	10.07
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	10.77	4.74
26 05 19 13-0006	EA	3-Conductor, Tap	44.64	11.85
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	67.74	10.07
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly	44.06	5.92
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box	133.12	18.95
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box	221.41	29.61
26 05 19 13-0011	EA	Floor Mounted Box With Cover	219.35	23.70
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield	9.58	0.59
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable	9.51	0.59
26 05 19 13-0014	EA	5-Conductor, Splice	36.37	10.07
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly	57.87	5.92
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	101.33	23.70
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box	67.65	19.55
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover	88.33	22.50
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45	37.84	8.88
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire	2.21	0.59
26 05 19 13-0021	EA	BNC, Coax Plug, Connector	31.24	11.85
26 05 19 13-0022	EA	TNC, Coax Plug, Connector	31.24	11.85
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	163.54	59.23

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001		Cable Installation Methods *(26 05 19 16)*		
26 05 19 16-0002		Pull Cord *(26 05 19 16-0001)*		
		Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.41	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.21	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.71	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.45	
26 05 19 16-0007		Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)*		
		Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	3.54	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	4.51	
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge	495.80	
		Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
26 05 19 16-0011		Wire and Cable *(26 05 19 16)*		
		Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.		
26 05 19 16-0012		Multi-Conductor Cords, Cables And Associated Equipment *(26 05 19 16-0011)*		
26 05 19 16-0013		Multi-Conductor Cords *(26 05 19 16-0012)*		
		Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0014		Multi-Conductor Type SOOW And SJOOW Cord *(26 05 19 16-0013)*		
		Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0015		300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0016		#18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0017	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.14	0.52
26 05 19 16-0018	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.18	0.52
26 05 19 16-0019	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.28	0.52
26 05 19 16-0020		#16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0021	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.34	0.52
26 05 19 16-0022	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.40	0.52
26 05 19 16-0023	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.48	0.52
26 05 19 16-0024		#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0025	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.45	0.52
26 05 19 16-0026	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.55	0.52
26 05 19 16-0027	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.73	0.52
26 05 19 16-0028		#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0029	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.61	0.52
26 05 19 16-0030	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.72	0.52
26 05 19 16-0031	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.88	0.52
26 05 19 16-0032		#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0033	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.00	0.65
26 05 19 16-0034	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.08	0.65
26 05 19 16-0035	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.20	0.65
26 05 19 16-0036		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0037		#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0038	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.18	0.52
26 05 19 16-0039	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.25	0.52
26 05 19 16-0040	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.34	0.52
26 05 19 16-0041	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.15	0.70
26 05 19 16-0042	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.32	0.72
26 05 19 16-0043	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.45	0.74
26 05 19 16-0044	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.65	0.76
26 05 19 16-0045	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.00	0.80
26 05 19 16-0046	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.36	0.82
26 05 19 16-0047	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.27	0.83
26 05 19 16-0048	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.35	0.85
26 05 19 16-0049	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.47	0.87
26 05 19 16-0050	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.92	0.89
26 05 19 16-0051	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.06	0.91
26 05 19 16-0052	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.34	0.97
26 05 19 16-0053		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0054	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.40	0.52
26 05 19 16-0055	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.46	0.52
26 05 19 16-0056	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.57	0.52
26 05 19 16-0057	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.22	0.70
26 05 19 16-0058	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.42	0.72
26 05 19 16-0059	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.61	0.74
26 05 19 16-0060	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.85	0.76
26 05 19 16-0061	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.96	0.78
26 05 19 16-0062	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.25	0.80
26 05 19 16-0063	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.72	0.82
26 05 19 16-0064	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.96	0.83
26 05 19 16-0065	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.41	0.85

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0066	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.03	0.87
26 05 19 16-0067	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.58	0.89
26 05 19 16-0068	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.63	0.91
26 05 19 16-0069	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.24	0.93
26 05 19 16-0070	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.36	0.97

26 05 19 16-0071 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0036)

26 05 19 16-0072	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.56	0.52
26 05 19 16-0073	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.63	0.52
26 05 19 16-0074	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.80	0.52
26 05 19 16-0075	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.75	0.70
26 05 19 16-0076	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.22	0.72
26 05 19 16-0077	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.39	0.74
26 05 19 16-0078	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.76	0.76
26 05 19 16-0079	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.02	0.78
26 05 19 16-0080	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.45	0.80
26 05 19 16-0081	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.85	0.82
26 05 19 16-0082	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.31	0.83
26 05 19 16-0083	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.28	0.85
26 05 19 16-0084	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.01	0.89
26 05 19 16-0085	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.17	0.91
26 05 19 16-0086	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.60	0.97

26 05 19 16-0087 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0036)

26 05 19 16-0088	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.73	0.52
26 05 19 16-0089	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.86	0.52
26 05 19 16-0090	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.98	0.52
26 05 19 16-0091	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.08	0.70
26 05 19 16-0092	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.52	0.72
26 05 19 16-0093	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.96	0.74
26 05 19 16-0094	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.43	0.76
26 05 19 16-0095	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.77	0.78
26 05 19 16-0096	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.36	0.80
26 05 19 16-0097	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.04	0.82
26 05 19 16-0098	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.67	0.83
26 05 19 16-0099	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.30	0.85
26 05 19 16-0100	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.62	0.87
26 05 19 16-0101	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.71	0.89
26 05 19 16-0102	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.82	0.91
26 05 19 16-0103	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.94	0.93
26 05 19 16-0104	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.30	0.95
26 05 19 16-0105	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.71	0.97

26 05 19 16-0106 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0036)

26 05 19 16-0107	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.97	0.65
26 05 19 16-0108	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.08	0.65
26 05 19 16-0109	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.19	0.65
26 05 19 16-0110	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.73	0.70
26 05 19 16-0111	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.20	0.72
26 05 19 16-0112	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.86	0.74
26 05 19 16-0113	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.17	0.80
26 05 19 16-0114	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.00	0.82
26 05 19 16-0115	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.80	0.85
26 05 19 16-0116	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.58	0.89

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0117		#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0118	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.66	0.78
26 05 19 16-0119	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.95	0.91
26 05 19 16-0120	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.18	0.91
26 05 19 16-0121		#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0122	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.03	0.91
26 05 19 16-0123	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.05	1.04
26 05 19 16-0124	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.26	1.29
26 05 19 16-0125		#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0126	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.89	1.29
26 05 19 16-0127	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.61	1.42
26 05 19 16-0128	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.29	1.55
26 05 19 16-0129		#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0130	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	12.37	2.60
26 05 19 16-0131	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	15.69	3.24
26 05 19 16-0132	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	19.32	4.28
26 05 19 16-0133		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0134		#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0135	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.49	0.52
26 05 19 16-0136	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.59	0.52
26 05 19 16-0137	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.79	0.52
26 05 19 16-0138		#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0139	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.55	0.52
26 05 19 16-0140	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.72	0.52
26 05 19 16-0141	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.80	0.52
26 05 19 16-0142		#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0143	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.97	0.52
26 05 19 16-0144	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.66	0.52
26 05 19 16-0145	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.32	0.65
26 05 19 16-0146		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0147		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0148	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.92	0.52
26 05 19 16-0149	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.21	0.52
26 05 19 16-0150	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.51	0.52
26 05 19 16-0151		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0152	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.02	0.52
26 05 19 16-0153	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.32	0.52
26 05 19 16-0154	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.78	0.52
26 05 19 16-0155	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.02	0.65
26 05 19 16-0156		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0157	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.39	0.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0158	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.77	0.52
26 05 19 16-0159	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.08	0.65
26 05 19 16-0160		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0161	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.74	0.52
26 05 19 16-0162	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.08	0.52
26 05 19 16-0163	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.43	0.65
26 05 19 16-0164		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0165	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.12	0.65
26 05 19 16-0166	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.42	0.65
26 05 19 16-0167	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.74	0.65
26 05 19 16-0168		Multi-Conductor Type SEOW Cord *(26 05 19 16-0013)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0168)*		
26 05 19 16-0170		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0171	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.56	0.52
26 05 19 16-0172	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.68	0.52
26 05 19 16-0173	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.36	0.65
26 05 19 16-0174		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0175	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.91	0.52
26 05 19 16-0176	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.13	0.52
26 05 19 16-0177	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.91	0.65
26 05 19 16-0178		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0179	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.27	0.52
26 05 19 16-0180	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.56	0.52
26 05 19 16-0181	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.14	0.65
26 05 19 16-0182		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0183	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.80	0.65
26 05 19 16-0184	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.14	0.65
26 05 19 16-0185	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.35	0.65
26 05 19 16-0186		Multi-Conductor Type W Cord *(26 05 19 16-0013)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0186)*		
26 05 19 16-0188		#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0189	LF	3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.95	0.78
26 05 19 16-0190	LF	4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.22	0.91
26 05 19 16-0191	LF	5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.91	0.91
26 05 19 16-0192		#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0193	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.26	0.91
26 05 19 16-0194	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.06	1.04
26 05 19 16-0195	LF	5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.26	1.29
26 05 19 16-0196		#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0197	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.52	0.91
26 05 19 16-0198	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.52	1.04
26 05 19 16-0199	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.30	1.29
26 05 19 16-0200		Cord Grips, Cable Reels, Extension Cords, And Accessories *(26 05 19 16-0012)*		
26 05 19 16-0201		Cord Grips *(26 05 19 16-0200)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0202	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	82.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 19 16-0203	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	82.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	

26 05 19 16-0204 Cable Reels *(26 05 19 16-0200)*

Note: Includes handling, mounting, electrical connections and installing cord.

26 05 19 16-0205	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	678.63	64.82
26 05 19 16-0206	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,858.14	64.82
26 05 19 16-0207	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,391.89	64.82

26 05 19 16-0208 Extension Cords For Cable Reel *(26 05 19 16-0200)*

26 05 19 16-0209	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	213.70	
26 05 19 16-0210	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	303.79	

26 05 19 16-0211 Plugs And Connector Bodies *(26 05 19 16-0200)*

Note: Up to 277 volt

26 05 19 16-0212 NEMA Twist-Lock Plugs *(26 05 19 16-0211)*

26 05 19 16-0213	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	84.87	
26 05 19 16-0214	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	86.42	
26 05 19 16-0215	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	79.92	
26 05 19 16-0216	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	84.68	
26 05 19 16-0217	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	106.98	
26 05 19 16-0218	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	113.03	
26 05 19 16-0219	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	118.94	
26 05 19 16-0220	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	107.88	
26 05 19 16-0221	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	122.41	
26 05 19 16-0222	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	125.24	
26 05 19 16-0223	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	128.84	

26 05 19 16-0224 NEMA Twist-Lock Connector Bodies *(26 05 19 16-0211)*

26 05 19 16-0225	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	89.24	
26 05 19 16-0226	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	94.71	
26 05 19 16-0227	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	83.20	
26 05 19 16-0228	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	107.88	
26 05 19 16-0229	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	123.82	
26 05 19 16-0230	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	131.54	
26 05 19 16-0231	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	157.50	
26 05 19 16-0232	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	150.95	
26 05 19 16-0233	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	183.47	
26 05 19 16-0234	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	192.08	
26 05 19 16-0235	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	182.70	

26 05 19 16-0236 Watertight Pin And Sleeve Plug *(26 05 19 16-0211)*

26 05 19 16-0237	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	286.98	38.90
26 05 19 16-0238	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	290.01	38.90
26 05 19 16-0239	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	313.57	38.90
26 05 19 16-0240	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	314.26	42.79
26 05 19 16-0241	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	309.69	42.79
26 05 19 16-0242	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	311.05	42.79
26 05 19 16-0243	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	437.27	47.84
26 05 19 16-0244	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	425.89	47.84
26 05 19 16-0245	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	474.77	47.84
26 05 19 16-0246	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	466.69	52.51
26 05 19 16-0247	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	446.93	52.51
26 05 19 16-0248	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	460.52	52.51
26 05 19 16-0249	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	594.00	62.24
26 05 19 16-0250	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	604.84	62.24
26 05 19 16-0251	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	579.14	62.24
26 05 19 16-0252	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	659.48	69.23
26 05 19 16-0253	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	642.62	69.23
26 05 19 16-0254	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	649.91	69.23
26 05 19 16-0255	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	814.84	77.79
26 05 19 16-0256	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	856.70	77.79
26 05 19 16-0257	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	835.66	85.58
26 05 19 16-0258	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	821.36	85.58
26 05 19 16-0259	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	829.08	85.58

26 05 19 16-0260 Watertight Pin And Sleeve Connector *(26 05 19 16-0211)*

26 05 19 16-0261	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	304.43	38.90
26 05 19 16-0262	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	306.53	38.90
26 05 19 16-0263	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	360.78	38.90
26 05 19 16-0264	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	358.22	42.79
26 05 19 16-0265	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	352.71	42.79
26 05 19 16-0266	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	357.69	42.79
26 05 19 16-0267	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	447.69	47.84
26 05 19 16-0268	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	447.58	47.84
26 05 19 16-0269	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	466.29	47.84

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0270		EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	461.61	52.51
26 05 19 16-0271		EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	465.47	52.51
26 05 19 16-0272		EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	461.40	52.51
26 05 19 16-0273		EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	700.93	62.24
26 05 19 16-0274		EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	678.02	62.24
26 05 19 16-0275		EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	664.36	62.24
26 05 19 16-0276		EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	723.13	69.23
26 05 19 16-0277		EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	743.05	69.23
26 05 19 16-0278		EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	744.51	69.23
26 05 19 16-0279		EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	932.13	77.79
26 05 19 16-0280		EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	958.41	77.79
26 05 19 16-0281		EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	1,035.70	85.58
26 05 19 16-0282		EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	999.60	85.58
26 05 19 16-0283		EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	1,011.91	85.58

26 05 19 16-0284 Accessories *(26 05 19 16-0200)*

26 05 19 16-0285		EA	1/2" Straight Steel Cord Connector	65.35	12.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 19 16-0286		EA	1/2" Straight Nylon Cord Connector	39.16	9.72
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 19 16-0287		EA	1/2" 90 Degree Steel Cord Connector	74.78	16.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 19 16-0288		EA	1/2" 90 Degree Nylon Cord Connector	47.11	12.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 19 16-0289		EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	73.81	16.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 19 16-0290		EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	127.86	19.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 05 19 16-0291		EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	46.35	12.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 19 16-0292		EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	78.37	16.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 19 16-0293		EA	3/4" Straight Steel Cord Connector	68.12	12.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 19 16-0294		EA	3/4" Straight Nylon Cord Connector	40.54	9.72
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 19 16-0295		EA	3/4" 90 Degree Steel Cord Connector	83.44	16.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.72*	
26 05 19 16-0296		EA	3/4" 90 Degree Nylon Cord Connector	51.44	12.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 19 16-0297		EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	83.19	19.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 05 19 16-0298		EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	98.96	22.69
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 19 16-0299		EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	55.76	16.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 19 16-0300		EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	67.35	19.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 05 19 16-0301		EA	1" Straight Steel Cord Connector	85.92	12.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 19 16-0302		EA	1" Straight Nylon Cord Connector	49.44	9.72
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 19 16-0303		EA	1" 90 Degree Steel Cord Connector	95.20	16.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.72*	
26 05 19 16-0304		EA	1" 90 Degree Nylon Cord Connector	57.32	12.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 19 16-0305		EA	1" Straight Steel Cord Connector With Strain Relief Mesh	101.88	19.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 05 19 16-0306		EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	111.30	22.69
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 19 16-0307		EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	65.24	16.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 19 16-0308		EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	75.37	19.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	

26 05 19 16-0309 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0310 ACSR Cable *(26 05 19 16-0309)*

26 05 19 16-0311		MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,918.50	588.71
26 05 19 16-0312		MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,052.82	611.29
26 05 19 16-0313		MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,244.14	634.82
26 05 19 16-0314		MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,378.81	657.81
26 05 19 16-0315		MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,704.31	680.12
26 05 19 16-0316		MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,173.06	770.98
26 05 19 16-0317		MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,702.97	859.80
26 05 19 16-0318		MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,299.26	949.85
26 05 19 16-0319		MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	4,924.59	1,220.67
26 05 19 16-0320		MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	5,589.51	1,400.22

26 05 19 16-0321 All Aluminum Conductors *(26 05 19 16-0309)*

26 05 19 16-0322		MLF	795.0 ACSR Conductor Aluminum	37,964.80	11,513.76

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0323			600 Volt Wire *(26 05 19 16-0011)*		
26 05 19 16-0324			Single Solid Conductor, Copper *(26 05 19 16-0323)*		
	26 05 19 16-0325	MLF	#14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	707.23	287.50
	26 05 19 16-0326	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	883.36	338.20
	26 05 19 16-0327	MLF	#10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,089.83	413.54
	26 05 19 16-0328	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	897.46	287.50
	26 05 19 16-0329	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,081.89	338.20
	26 05 19 16-0330	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,293.43	413.54
26 05 19 16-0331			Power Cable, Stranded Conductor, Copper *(26 05 19 16-0323)*		
26 05 19 16-0332			Power Cable, Stranded, Single Conductor, XHHW-2 *(26 05 19 16-0331)*		
	26 05 19 16-0333	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	739.06	236.92
	26 05 19 16-0334	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	873.02	284.30
	26 05 19 16-0335	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,072.49	331.69
	26 05 19 16-0336	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,316.16	379.07
	26 05 19 16-0337	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,750.56	473.84
	26 05 19 16-0338	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,357.25	568.61
	26 05 19 16-0339	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,219.88	710.77
	26 05 19 16-0340	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,805.86	805.53
	26 05 19 16-0341	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,500.68	900.30
	26 05 19 16-0342	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,566.45	995.07
	26 05 19 16-0343	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,672.46	1,137.22
	26 05 19 16-0344	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,984.16	1,279.38
	26 05 19 16-0345	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	9,545.03	1,421.52
	26 05 19 16-0346	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	11,423.31	1,563.68
	26 05 19 16-0347	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	12,111.19	1,705.83
	26 05 19 16-0348	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	14,342.19	1,847.99
	26 05 19 16-0349	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	15,301.84	1,990.13
	26 05 19 16-0350	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	17,106.14	2,132.29
	26 05 19 16-0351	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	19,787.31	2,274.44
	26 05 19 16-0352	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	22,771.47	2,463.98
	26 05 19 16-0353	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	34,508.29	2,748.28
	26 05 19 16-0354	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	48,604.50	3,222.13
26 05 19 16-0355			Power Cable, Stranded, Multi Conductor, XHHW-2 *(26 05 19 16-0331)*		
	26 05 19 16-0356	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,746.03	568.49
	26 05 19 16-0357	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,145.21	663.50
	26 05 19 16-0358	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,662.97	805.53
	26 05 19 16-0359	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,164.10	876.25
	26 05 19 16-0360	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,445.50	923.87
	26 05 19 16-0361	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,006.52	1,018.53
	26 05 19 16-0362	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,816.22	1,061.64
	26 05 19 16-0363	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,849.37	1,160.92
	26 05 19 16-0364	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,352.04	1,232.23
	26 05 19 16-0365	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,803.60	1,563.79
	26 05 19 16-0366	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	11,808.04	2,321.82
	26 05 19 16-0367	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,145.25	663.50
	26 05 19 16-0368	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,743.74	805.53
	26 05 19 16-0369	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,342.26	947.68
	26 05 19 16-0370	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,868.33	852.56
	26 05 19 16-0371	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,709.33	1,041.50
	26 05 19 16-0372	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,791.39	1,326.99
	26 05 19 16-0373	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,476.93	1,706.42
	26 05 19 16-0374	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,765.74	2,179.79
	26 05 19 16-0375	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,560.36	971.38
	26 05 19 16-0376	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,540.92	1,137.22
	26 05 19 16-0377	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,876.87	1,445.22
	26 05 19 16-0378	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,596.18	1,089.84
	26 05 19 16-0379	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,183.32	1,350.45
	26 05 19 16-0380	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,906.81	1,665.55
	26 05 19 16-0381	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,191.49	1,322.26
	26 05 19 16-0382	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,109.91	1,512.39
	26 05 19 16-0383	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,490.05	1,887.31
	26 05 19 16-0384	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,526.32	1,610.59
	26 05 19 16-0385	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	11,252.46	1,801.08
	26 05 19 16-0386	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	14,922.75	2,369.21
	26 05 19 16-0387	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	14,921.46	2,274.09
	26 05 19 16-0388	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	19,419.69	2,841.87
	26 05 19 16-0389	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	17,649.23	2,464.45
	26 05 19 16-0390	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	21,461.80	2,841.87
	26 05 19 16-0391	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	26,262.29	3,315.47
	26 05 19 16-0392	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	34,621.68	4,262.80
	26 05 19 16-0393	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	32,027.33	3,793.94
	26 05 19 16-0394	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	34,196.68	4,262.80
	26 05 19 16-0395	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	42,825.50	4,738.42
	26 05 19 16-0396	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	55,323.02	5,207.76
26 05 19 16-0397			Underground Feeder And Branch Circuit Suitable, Single Stranded Copper *(26 05 19 16-0323)*		

Note: Direct bury.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0398	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		1,052.22	
26 05 19 16-0399	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		1,238.53	
26 05 19 16-0400	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		1,554.74	
26 05 19 16-0401	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		2,047.05	
26 05 19 16-0402	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		2,870.64	
26 05 19 16-0403	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		3,783.59	
26 05 19 16-0404	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		5,475.65	
26 05 19 16-0405	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		6,816.72	
26 05 19 16-0406	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		8,364.82	
26 05 19 16-0407	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		10,139.41	
26 05 19 16-0408	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		12,227.44	
26 05 19 16-0409	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		13,814.39	
26 05 19 16-0410	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		14,959.33	
26 05 19 16-0411	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		17,916.65	
26 05 19 16-0412	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		20,034.42	
26 05 19 16-0413	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		22,512.42	
26 05 19 16-0414	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		26,672.81	
26 05 19 16-0415	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		31,508.39	
26 05 19 16-0416	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		50,124.01	
26 05 19 16-0417	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		866.45	
26 05 19 16-0418	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		1,037.61	
26 05 19 16-0419	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		1,240.01	
26 05 19 16-0420	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		1,522.15	
26 05 19 16-0421	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		1,952.49	
26 05 19 16-0422	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		2,590.55	
26 05 19 16-0423	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		3,508.88	
26 05 19 16-0424	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		4,142.59	
26 05 19 16-0425	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		4,690.64	
26 05 19 16-0426	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		5,286.32	
26 05 19 16-0427	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		6,134.66	
26 05 19 16-0428	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		7,156.43	
26 05 19 16-0429	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		8,108.69	
26 05 19 16-0430	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		9,112.13	
26 05 19 16-0431	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		10,199.67	
26 05 19 16-0432	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		11,323.83	
26 05 19 16-0433	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		13,161.89	
26 05 19 16-0434	MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		21,875.09	
26 05 19 16-0435	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		732.44	
26 05 19 16-0436	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		911.26	
26 05 19 16-0437	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		1,130.41	
26 05 19 16-0438	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		1,590.40	
26 05 19 16-0439	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		2,169.86	
26 05 19 16-0440	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		2,875.88	
26 05 19 16-0441	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		4,116.14	
26 05 19 16-0442	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		4,909.41	
26 05 19 16-0443	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		5,711.91	
26 05 19 16-0444	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		6,487.67	
26 05 19 16-0445	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		7,709.84	
26 05 19 16-0446	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		9,196.93	
26 05 19 16-0447	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		10,807.01	
26 05 19 16-0448	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		12,485.20	
26 05 19 16-0449	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		14,290.20	
26 05 19 16-0450	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		16,031.22	
26 05 19 16-0451	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		19,059.66	
26 05 19 16-0452	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		22,932.72	
26 05 19 16-0453	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		36,358.38	
26 05 19 16-0454	MLF	#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		5,997.91	
26 05 19 16-0455	MLF	1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		8,601.76	
26 05 19 16-0456	MLF	2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		9,551.36	
26 05 19 16-0457	MLF	3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		10,846.92	
26 05 19 16-0458	MLF	4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		12,054.14	
26 05 19 16-0459	MLF	250 MCM,Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		12,991.62	
26 05 19 16-0460	MLF	350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		18,600.61	
26 05 19 16-0461	MLF	400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		20,219.47	
26 05 19 16-0462	MLF	500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable		23,050.65	

26 05 19 16-0463 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0323)*

26 05 19 16-0464 ACTHH, Solid *(26 05 19 16-0463)*

26 05 19 16-0465	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable		2,841.94	777.94
26 05 19 16-0466	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable		3,280.65	881.66
26 05 19 16-0467	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable		3,768.28	933.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0468	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,065.17	1,296.57
26 05 19 16-0469	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,343.55	1,451.89
26 05 19 16-0470	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,542.90	1,608.64
26 05 19 16-0471	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	7,309.25	1,763.98
26 05 19 16-0472	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,937.69	1,451.89
26 05 19 16-0473	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,156.18	1,608.64
26 05 19 16-0474	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	6,639.29	1,815.97
26 05 19 16-0475	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,698.42	1,970.52
26 05 19 16-0476	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,911.14	1,608.64
26 05 19 16-0477	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	6,467.23	1,815.97
26 05 19 16-0478	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	8,284.11	2,022.77
26 05 19 16-0479	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	10,830.76	2,179.13
26 05 19 16-0480		**ACTHH, Stranded** *(26 05 19 16-0463)*		
26 05 19 16-0481	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,569.79	1,868.22
26 05 19 16-0482	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	9,262.73	2,125.46
26 05 19 16-0483	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	8,958.52	2,074.51
26 05 19 16-0484	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	11,292.06	2,332.00
26 05 19 16-0485	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	14,365.75	2,593.13
26 05 19 16-0486	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	16,544.26	2,849.59
26 05 19 16-0487	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	18,991.24	3,109.29
26 05 19 16-0488	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	11,604.53	2,488.62
26 05 19 16-0489	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	14,106.70	2,746.91
26 05 19 16-0490	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	18,260.33	3,008.29
26 05 19 16-0491	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	20,018.41	3,265.92
26 05 19 16-0492	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	23,827.30	3,523.29
26 05 19 16-0493		**HCFC, Solid** *(26 05 19 16-0463)*		
26 05 19 16-0494	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,582.59	1,296.57
26 05 19 16-0495	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,009.58	1,456.82
26 05 19 16-0496	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	5,605.38	1,600.74
26 05 19 16-0497	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,579.78	1,456.82
26 05 19 16-0498	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,978.49	1,600.74
26 05 19 16-0499	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	7,876.40	1,826.21
26 05 19 16-0500	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	6,896.34	1,600.74
26 05 19 16-0501	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	7,518.46	1,826.21
26 05 19 16-0502	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	10,378.90	2,025.89
26 05 19 16-0503		**MC, Solid Or Stranded, Galvanized Steel Armor** *(26 05 19 16-0463)*		
26 05 19 16-0504	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,132.53	1,296.57
26 05 19 16-0505	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,611.23	1,456.82
26 05 19 16-0506	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,622.38	1,600.74
26 05 19 16-0507	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,367.82	1,710.55
26 05 19 16-0508	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,340.68	1,813.38
26 05 19 16-0509	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,794.54	1,456.82
26 05 19 16-0510	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,432.28	1,600.74
26 05 19 16-0511	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,012.95	1,826.21
26 05 19 16-0512	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,327.05	1,970.52
26 05 19 16-0513	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	11,002.63	2,125.46
26 05 19 16-0514	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,800.35	2,282.74
26 05 19 16-0515	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	19,473.43	2,437.16
26 05 19 16-0516	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,605.75	1,600.74
26 05 19 16-0517	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,426.01	1,826.21
26 05 19 16-0518	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,103.19	2,025.89
26 05 19 16-0519	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,980.91	2,231.65
26 05 19 16-0520	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	17,270.42	2,387.75
26 05 19 16-0521	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	23,118.74	2,542.30
26 05 19 16-0522	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	30,186.10	2,695.56
26 05 19 16-0523		**MC, Solid Or Stranded, Aluminum Armor** *(26 05 19 16-0463)*		
26 05 19 16-0524	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,093.08	1,296.57
26 05 19 16-0525	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,508.94	1,456.82
26 05 19 16-0526	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,531.91	1,600.74
26 05 19 16-0527	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,959.29	1,456.82
26 05 19 16-0528	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,341.40	1,600.74
26 05 19 16-0529	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,941.08	1,826.21
26 05 19 16-0530	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,388.97	1,600.74
26 05 19 16-0531	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,993.67	1,826.21
26 05 19 16-0532	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	10,103.19	2,025.89
26 05 19 16-0533		**FPLP Solid TFN Red Armored Cable** *(26 05 19 16-0463)*		
		Note: Color coded red.		
26 05 19 16-0534	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,215.17	985.39
26 05 19 16-0535	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,781.62	1,140.98
26 05 19 16-0536	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	5,955.09	1,296.57
26 05 19 16-0537	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,838.68	1,452.15
26 05 19 16-0538	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,793.17	1,140.98
26 05 19 16-0539	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,677.84	1,296.57
26 05 19 16-0540	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	7,171.59	1,452.15
26 05 19 16-0541	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	8,168.62	1,607.74

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0542			**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0463)*		
			Note: Color coded red.		
26 05 19 16-0543		MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	5,317.63	1,296.57
26 05 19 16-0544		MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	6,640.20	1,452.15
26 05 19 16-0545		MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	8,911.10	1,607.74
26 05 19 16-0546		MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	10,355.49	1,763.32
26 05 19 16-0547		MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	6,751.52	1,452.15
26 05 19 16-0548		MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	8,300.94	1,607.74
26 05 19 16-0549			**FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0463)*		
			Note: Color coded red.		
26 05 19 16-0550		MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,593.23	985.39
26 05 19 16-0551		MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	7,390.02	1,452.15
26 05 19 16-0552		MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,665.87	1,140.98
26 05 19 16-0553		MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,704.91	1,296.57
26 05 19 16-0554		MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	9,370.03	1,607.74
26 05 19 16-0555		MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,633.98	1,348.43
26 05 19 16-0556		MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,221.69	1,555.88
26 05 19 16-0557			**Armored Cable Connectors** *(26 05 19 16-0463)*		
26 05 19 16-0558		EA	3/4" Armored Cable Connector	7.89	2.85
			For Work In Restricted Working Space, Add	*2.13*	
			For Elevated Installation >10' To 15', Add	*0.71*	
			For Elevated Installation >15' To 20', Add	*1.42*	
			For Elevated Installation >20' To 25', Add	*1.78*	
			For Elevated Installation >25' To 30', Add	*2.49*	
			For Elevated Installation >30' To 35', Add	*2.84*	
			For Elevated Installation >35' To 40', Add	*3.56*	
			For Elevated Installation >40', Add	*3.91*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.13*	
26 05 19 16-0559		EA	1" Armored Cable Connector	10.53	3.79
			For Work In Restricted Working Space, Add	*2.84*	
			For Elevated Installation >10' To 15', Add	*0.95*	
			For Elevated Installation >15' To 20', Add	*1.89*	
			For Elevated Installation >20' To 25', Add	*2.37*	
			For Elevated Installation >25' To 30', Add	*3.31*	
			For Elevated Installation >30' To 35', Add	*3.79*	
			For Elevated Installation >35' To 40', Add	*4.74*	
			For Elevated Installation >40', Add	*5.21*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.84*	
26 05 19 16-0560		EA	1-1/4" Armored Cable Connector	13.24	4.74
			For Work In Restricted Working Space, Add	*3.56*	
			For Elevated Installation >10' To 15', Add	*1.19*	
			For Elevated Installation >15' To 20', Add	*2.37*	
			For Elevated Installation >20' To 25', Add	*2.96*	
			For Elevated Installation >25' To 30', Add	*4.15*	
			For Elevated Installation >30' To 35', Add	*4.74*	
			For Elevated Installation >35' To 40', Add	*5.93*	
			For Elevated Installation >40', Add	*6.52*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.56*	
26 05 19 16-0561			**600 Volt, Feeder Wire, Single Stranded Copper** *(26 05 19 16-0323)*		
26 05 19 16-0562		MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	973.87	189.89
			For EPR Insulation, Add	*39.47*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*92.09*	
26 05 19 16-0563		MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,097.44	210.27
			For EPR Insulation, Add	*40.23*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*93.87*	
26 05 19 16-0564		MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,339.26	262.86
			For EPR Insulation, Add	*58.74*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*137.05*	
26 05 19 16-0565		MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,828.35	418.16
			For EPR Insulation, Add	*96.56*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*225.31*	
26 05 19 16-0566		MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,503.27	501.80
			For EPR Insulation, Add	*162.26*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*378.61*	
26 05 19 16-0567		MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,413.46	582.59
			For EPR Insulation, Add	*245.48*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*572.79*	
26 05 19 16-0568		MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,894.63	666.81
			For EPR Insulation, Add	*282.12*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*658.28*	
26 05 19 16-0569		MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,908.72	751.04
			For EPR Insulation, Add	*398.70*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*930.29*	
26 05 19 16-0570		MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,079.03	836.45
			For EPR Insulation, Add	*538.70*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,256.98*	
26 05 19 16-0571		MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,328.41	943.66
			For EPR Insulation, Add	*672.80*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,569.88*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0572	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,836.63	1,046.48
		For EPR Insulation, Add	*845.73*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,973.37*	
26 05 19 16-0573	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,599.43	1,168.25
		For EPR Insulation, Add	*1,056.84*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,465.96*	
26 05 19 16-0574	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,955.26	1,298.92
		For EPR Insulation, Add	*1,206.91*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,816.12*	
26 05 19 16-0575	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,732.11	1,424.60
		For EPR Insulation, Add	*1,270.13*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,963.64*	
26 05 19 16-0576	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,020.96	1,566.05
		For EPR Insulation, Add	*1,560.15*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,640.35*	
26 05 19 16-0577	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,754.93	1,660.22
		For EPR Insulation, Add	*1,766.94*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,122.86*	
26 05 19 16-0578	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,770.64	1,855.57
		For EPR Insulation, Add	*2,015.99*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,703.97*	
26 05 19 16-0579	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	21,445.71	2,063.70
		For EPR Insulation, Add	*2,363.94*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*5,515.86*	
26 05 19 16-0580	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	25,105.98	2,147.10
		For EPR Insulation, Add	*2,841.91*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*6,631.11*	
26 05 19 16-0581	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	40,704.37	2,230.37
		For EPR Insulation, Add	*5,075.05*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*11,841.78*	
26 05 19 16-0582	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	51,242.53	2,383.19
		For EPR Insulation, Add	*6,584.70*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*15,364.29*	
26 05 19 16-0583	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,694.53	426.22
26 05 19 16-0584	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,118.00	473.84
26 05 19 16-0585	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,657.86	569.08
26 05 19 16-0586	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,150.89	663.14
26 05 19 16-0587	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,689.70	710.06
26 05 19 16-0588	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	553.83	236.92
26 05 19 16-0589	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	690.76	260.61
26 05 19 16-0590	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	725.77	190.01
26 05 19 16-0591	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	901.71	226.50
26 05 19 16-0592	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,116.09	284.90
26 05 19 16-0593	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,565.43	375.52
26 05 19 16-0594	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,128.59	453.47
26 05 19 16-0595	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,812.27	535.91
26 05 19 16-0596	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,360.71	606.64
26 05 19 16-0597	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,016.03	679.37
26 05 19 16-0598	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,782.80	766.68
26 05 19 16-0599	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,564.01	839.53
26 05 19 16-0600	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,314.11	927.78
26 05 19 16-0601	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,489.37	981.33
26 05 19 16-0602	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,922.58	1,104.05
26 05 19 16-0603	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,472.90	1,174.54
26 05 19 16-0604	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,088.10	1,330.20
26 05 19 16-0605	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,824.08	1,472.10
26 05 19 16-0606	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,499.13	1,512.39
26 05 19 16-0607	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,400.26	1,600.05
26 05 19 16-0608	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	22,814.26	1,882.93
26 05 19 16-0609	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	34,931.62	2,230.37
26 05 19 16-0610	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	41,848.70	2,692.84
26 05 19 16-0611	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,991.63	569.08
26 05 19 16-0612	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,322.52	663.14
26 05 19 16-0613	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,850.83	758.74
26 05 19 16-0614	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,014.60	852.56
26 05 19 16-0615	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,683.89	947.68
26 05 19 16-0616	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,261.95	1,041.50

26 05 19 16-0617 600 Volt, Single Stranded Copper, Low Smoke Zero Halogen *(26 05 19 16-0323)*

26 05 19 16-0618	MLF	#14 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	743.01	190.01
26 05 19 16-0619	MLF	#12 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	949.52	226.50
26 05 19 16-0620	MLF	#10 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,288.20	284.90
26 05 19 16-0621	MLF	#8 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,941.22	375.52
26 05 19 16-0622	MLF	#6 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	2,790.85	453.47
26 05 19 16-0623	MLF	#4 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	3,636.87	535.91
26 05 19 16-0624	MLF	#3 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	4,375.97	606.64
26 05 19 16-0625	MLF	#2 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	5,313.36	679.37
26 05 19 16-0626	MLF	#1 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	6,095.18	766.68
26 05 19 16-0627	MLF	1/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	6,980.06	839.53
26 05 19 16-0628	MLF	2/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	8,047.41	927.78
26 05 19 16-0629	MLF	3/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	9,729.85	981.33
26 05 19 16-0630	MLF	4/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	11,815.18	1,104.05
26 05 19 16-0631	MLF	250 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	13,440.10	1,174.54
26 05 19 16-0632	MLF	300 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	15,809.58	1,330.20
26 05 19 16-0633	MLF	350 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	18,334.48	1,472.10
26 05 19 16-0634	MLF	400 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	20,064.55	1,512.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0635	MLF	500 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	24,178.93	1,600.05
26 05 19 16-0636	MLF	600 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	28,913.85	1,882.93
26 05 19 16-0637	MLF	750 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	37,631.90	2,230.37
26 05 19 16-0638	MLF	1,000 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	48,967.38	2,692.84
26 05 19 16-0639		600 Volt, Feeder Wire, Single Stranded Aluminum *(26 05 19 16-0323)*		
26 05 19 16-0640	MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,303.42	357.20
26 05 19 16-0641	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,544.28	415.34
26 05 19 16-0642	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,019.56	533.16
26 05 19 16-0643	MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,494.05	595.37
26 05 19 16-0644	MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,883.85	670.76
26 05 19 16-0645	MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,277.07	740.34
26 05 19 16-0646	MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,860.59	835.51
26 05 19 16-0647	MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,273.28	921.79
26 05 19 16-0648	MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,936.90	1,013.35
26 05 19 16-0649	MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,074.88	1,102.00
26 05 19 16-0650	MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,351.41	1,190.63
26 05 19 16-0651	MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,256.41	1,324.30
26 05 19 16-0652	MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,996.92	1,457.93
26 05 19 16-0653	MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,759.90	1,698.32
26 05 19 16-0654	MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,020.20	1,861.84
26 05 19 16-0655	MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,257.53	1,930.86
26 05 19 16-0656	MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,429.37	2,342.24
26 05 19 16-0657	MLF	#8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,498.91	420.65
26 05 19 16-0658	MLF	#6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,685.77	473.84
26 05 19 16-0659	MLF	#4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,075.05	582.94
26 05 19 16-0660	MLF	#2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,625.03	714.56
26 05 19 16-0661	MLF	#1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,331.02	841.19
26 05 19 16-0662	MLF	1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,843.91	948.04
26 05 19 16-0663	MLF	2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,374.08	1,053.00
26 05 19 16-0664	MLF	3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,035.54	1,148.83
26 05 19 16-0665	MLF	4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,460.66	1,222.63
26 05 19 16-0666	MLF	250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,205.26	1,308.16
26 05 19 16-0667	MLF	300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,558.80	1,401.98
26 05 19 16-0668	MLF	350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,907.04	1,514.52
26 05 19 16-0669	MLF	400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,946.84	1,651.58
26 05 19 16-0670	MLF	500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,052.62	1,895.37
26 05 19 16-0671	MLF	600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,719.97	1,994.64
26 05 19 16-0672	MLF	700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,030.20	2,102.91
26 05 19 16-0673	MLF	750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,439.50	2,234.88
26 05 19 16-0674	MLF	1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	19,520.39	3,132.10
26 05 19 16-0675	MLF	#6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,582.70	473.84
26 05 19 16-0676	MLF	#4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,968.77	582.82
26 05 19 16-0677	MLF	#2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,448.53	715.50
26 05 19 16-0678	MLF	#1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,035.08	836.45
26 05 19 16-0679	MLF	1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,428.28	943.66
26 05 19 16-0680	MLF	2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,867.43	1,046.48
26 05 19 16-0681	MLF	3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,441.82	1,148.83
26 05 19 16-0682	MLF	4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,831.04	1,222.63
26 05 19 16-0683	MLF	250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,429.50	1,307.33
26 05 19 16-0684	MLF	300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,466.73	1,403.75
26 05 19 16-0685	MLF	350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,862.48	1,516.53
26 05 19 16-0686	MLF	400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,577.42	1,647.78
26 05 19 16-0687	MLF	500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,719.47	1,895.37
26 05 19 16-0688	MLF	600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,864.21	1,989.30
26 05 19 16-0689	MLF	700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,876.35	2,102.91
26 05 19 16-0690	MLF	750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,325.85	2,228.12
26 05 19 16-0691		Non-Metallic Sheathed Cable *(26 05 19 16-0323)*		
26 05 19 16-0692		Indoor Installation *(26 05 19 16-0691)*		
		Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0693	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,424.25	900.18
		For Installation In Wood Stud Wall (Includes Drilling), Add	*337.56*	
26 05 19 16-0694	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,334.03	1,089.84
		For Installation In Wood Stud Wall (Includes Drilling), Add	*408.71*	
26 05 19 16-0695	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,768.05	1,205.93
		For Installation In Wood Stud Wall (Includes Drilling), Add	*452.22*	
26 05 19 16-0696	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,454.72	1,023.50
		For Installation In Wood Stud Wall (Includes Drilling), Add	*364.27*	
26 05 19 16-0697	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,671.74	1,136.98
		For Installation In Wood Stud Wall (Includes Drilling), Add	*426.39*	
26 05 19 16-0698	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,096.81	1,269.89
		For Installation In Wood Stud Wall (Includes Drilling), Add	*476.21*	
26 05 19 16-0699	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,639.67	1,137.58
		For Installation In Wood Stud Wall (Includes Drilling), Add	*426.60*	
26 05 19 16-0700	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,417.49	1,326.99
		For Installation In Wood Stud Wall (Includes Drilling), Add	*497.62*	
26 05 19 16-0701	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	11,293.13	1,516.29
		For Installation In Wood Stud Wall (Includes Drilling), Add	*568.61*	
26 05 19 16-0702	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	11,458.53	1,362.29
		For Installation In Wood Stud Wall (Includes Drilling), Add	*485.10*	
26 05 19 16-0703	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	14,724.02	1,646.60
		For Installation In Wood Stud Wall (Includes Drilling), Add	*586.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0704	MLF	#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	15,247.63	1,551.83
		For Installation In Wood Stud Wall (Includes Drilling), Add	*550.84*	
26 05 19 16-0705	MLF	#6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	20,545.17	1,871.67
		For Installation In Wood Stud Wall (Includes Drilling), Add	*666.34*	
26 05 19 16-0706	MLF	#4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	49,673.17	2,061.21
		For Installation In Wood Stud Wall (Includes Drilling), Add	*732.97*	
26 05 19 16-0707	MLF	#2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	58,099.91	2,238.91
		For Installation In Wood Stud Wall (Includes Drilling), Add	*799.61*	

26 05 19 16-0708 Direct Burial Cable *(26 05 19 16-0691)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0709	MLF	#14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,618.82	
26 05 19 16-0710	MLF	#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,389.31	
26 05 19 16-0711	MLF	#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,306.01	
26 05 19 16-0712	MLF	#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,152.10	
26 05 19 16-0713	MLF	#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,551.55	
26 05 19 16-0714	MLF	#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,976.63	
26 05 19 16-0715	MLF	#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,266.26	
26 05 19 16-0716	MLF	#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,686.70	
26 05 19 16-0717	MLF	#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,577.61	
26 05 19 16-0718	MLF	#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	8,540.92	

26 05 19 16-0719 SEU Cable Copper, 3 Conductor *(26 05 19 16-0691)*

26 05 19 16-0720	MLF	12-12-12 Cable SEU Copper	3,446.73	1,141.37
26 05 19 16-0721	MLF	10-10-10 Cable SEU Copper	4,302.16	1,296.57
26 05 19 16-0722	MLF	8-8-8 Cable SEU Copper	5,325.30	1,451.89
26 05 19 16-0723	MLF	6-6-8 Cable SEU Copper	6,397.54	1,556.53
26 05 19 16-0724	MLF	6-6-6 Cable SEU Copper	6,870.81	1,608.64
26 05 19 16-0725	MLF	4-4-6 Cable SEU Copper	8,342.50	1,763.98
26 05 19 16-0726	MLF	4-4-4 Cable SEU Copper	8,974.92	1,815.97
26 05 19 16-0727	MLF	3-3-5 Cable SEU Copper	10,425.93	1,970.52
26 05 19 16-0728	MLF	3-3-3 Cable SEU Copper	11,071.08	2,074.51
26 05 19 16-0729	MLF	2-2-4 Cable SEU Copper	11,820.84	2,179.13
26 05 19 16-0730	MLF	2-2-2 Cable SEU Copper	12,630.43	2,282.74
26 05 19 16-0731	MLF	1-1-1 Cable SEU Copper	15,427.76	2,593.13
26 05 19 16-0732	MLF	1/0-1/0-1/0 Cable SEU Copper	18,331.47	2,907.16
26 05 19 16-0733	MLF	2/0-2/0-2/0 Cable SEU Copper	22,038.43	3,274.22
26 05 19 16-0734	MLF	3/0-3/0-3/0 Cable SEU Copper	26,467.54	3,642.06
26 05 19 16-0735	MLF	4/0-4/0-4/0 Cable SEU Copper	29,578.02	4,064.47

26 05 19 16-0736 SEU Cable Aluminum, 3 Conductor *(26 05 19 16-0691)*

26 05 19 16-0737	MLF	8-8-8 Cable SEU Aluminum	4,559.02	1,456.82
26 05 19 16-0738	MLF	6-6-6 Cable SEU Aluminum	5,180.70	1,600.74
26 05 19 16-0739	MLF	4-4-6 Cable SEU Aluminum	5,805.71	1,752.18
26 05 19 16-0740	MLF	4-4-4 Cable SEU Aluminum	6,076.92	1,826.21
26 05 19 16-0741	MLF	2-2-4 Cable SEU Aluminum	7,264.31	2,160.99
26 05 19 16-0742	MLF	2-2-2 Cable SEU Aluminum	7,706.04	2,274.69
26 05 19 16-0743	MLF	1-1-1 Cable SEU Aluminum	9,219.35	2,593.13
26 05 19 16-0744	MLF	1/0-1/0-2 Cable SEU Aluminum	9,755.07	2,729.66
26 05 19 16-0745	MLF	1/0-1/0-1/0 Cable SEU Aluminum	11,740.40	2,881.22
26 05 19 16-0746	MLF	2/0-2/0-1 Cable SEU Aluminum	11,015.43	3,087.12
26 05 19 16-0747	MLF	2/0-2/0-2/0 Cable SEU Aluminum	11,631.45	3,241.42
26 05 19 16-0748	MLF	3/0-3/0-1/0 Cable SEU Aluminum	12,634.41	3,394.14
26 05 19 16-0749	MLF	3/0-3/0-3/0 Cable SEU Aluminum	13,508.87	3,601.60
26 05 19 16-0750	MLF	4/0-4/0-2/0 Cable SEU Aluminum	14,286.43	3,893.59
26 05 19 16-0751	MLF	4/0-4/0-4/0 Cable SEU Aluminum	15,072.37	4,051.76

26 05 19 16-0752 SER Cable Copper, 4 Conductor *(26 05 19 16-0691)*

26 05 19 16-0753	MLF	6-6-6-6 Cable SER Copper	10,684.78	1,868.22
26 05 19 16-0754	MLF	4-4-4-6 Cable SER Copper	11,713.16	2,022.77
26 05 19 16-0755	MLF	3-3-3-5 Cable SER Copper	14,486.71	2,282.74
26 05 19 16-0756	MLF	2-2-2-4 Cable SER Copper	16,568.73	2,488.62
26 05 19 16-0757	MLF	1-1-1-3 Cable SER Copper	19,304.92	2,849.59
26 05 19 16-0758	MLF	1/0-1/0-1/0-2 Cable SER Copper	23,486.28	3,265.92
26 05 19 16-0759	MLF	2/0-2/0-2/0-1 Cable SER Copper	29,353.29	3,523.29
26 05 19 16-0760	MLF	3/0-3/0-3/0-1/0 Cable SER Copper	33,888.08	3,940.91

26 05 19 16-0761 SER Cable Aluminum, 4 Conductor *(26 05 19 16-0691)*

26 05 19 16-0762	MLF	8-8-8-8 Cable SER Aluminum	5,324.56	1,743.75
26 05 19 16-0763	MLF	6-6-6-6 Cable SER Aluminum	5,776.78	1,868.22
26 05 19 16-0764	MLF	4-4-4-6 Cable SER Aluminum	6,407.44	2,022.77
26 05 19 16-0765	MLF	2-2-2-4 Cable SER Aluminum	8,020.31	2,488.62
26 05 19 16-0766	MLF	1-1-1-3 Cable SER Aluminum	9,529.95	2,849.59
26 05 19 16-0767	MLF	1/0-1/0-1/0-2 Cable SER Aluminum	10,806.32	3,265.92

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26 05 19 16-0768	MLF	2/0-2/0-2/0-1 Cable SER Aluminum	11,978.45	3,523.29
26 05 19 16-0769	MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum	13,576.87	3,940.91
26 05 19 16-0770	MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum	15,345.64	4,391.33

26 05 19 16-0771 Control Tray Cable, Low Voltage *(26 05 19 16-0011)*

Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.

26 05 19 16-0772	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	1,186.16	574.65
		For Work In Restricted Working Space, Add	*287.33*	
26 05 19 16-0773	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,365.02	642.82
		For Work In Restricted Working Space, Add	*321.41*	
26 05 19 16-0774	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,424.85	642.77
		For Work In Restricted Working Space, Add	*321.41*	
26 05 19 16-0775	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,784.21	806.21
		For Work In Restricted Working Space, Add	*403.11*	
26 05 19 16-0776	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	2,241.08	982.45
		For Work In Restricted Working Space, Add	*491.23*	
26 05 19 16-0777	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	2,551.10	1,080.36
		For Work In Restricted Working Space, Add	*540.18*	
26 05 19 16-0778	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	3,024.84	1,227.55
		For Work In Restricted Working Space, Add	*613.78*	
26 05 19 16-0779	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	3,816.79	1,500.42
		For Work In Restricted Working Space, Add	*750.21*	
26 05 19 16-0780	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	4,348.79	1,636.89
		For Work In Restricted Working Space, Add	*818.45*	
26 05 19 16-0781	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	5,108.44	1,688.06
		For Work In Restricted Working Space, Add	*844.03*	
26 05 19 16-0782	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	6,271.99	2,108.84
		For Work In Restricted Working Space, Add	*1,054.42*	
26 05 19 16-0783	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	7,512.06	2,464.57
		For Work In Restricted Working Space, Add	*1,232.29*	
26 05 19 16-0784	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	1,293.62	605.34
		For Work In Restricted Working Space, Add	*302.43*	
26 05 19 16-0785	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,494.84	676.65
		For Work In Restricted Working Space, Add	*338.33*	
26 05 19 16-0786	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,740.19	779.00
		For Work In Restricted Working Space, Add	*389.50*	
26 05 19 16-0787	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,965.06	848.65
		For Work In Restricted Working Space, Add	*424.33*	
26 05 19 16-0788	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	2,478.18	1,034.17
		For Work In Restricted Working Space, Add	*517.08*	
26 05 19 16-0789	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	2,833.49	1,137.22
		For Work In Restricted Working Space, Add	*568.61*	
26 05 19 16-0790	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	3,377.25	1,292.17
		For Work In Restricted Working Space, Add	*646.08*	
26 05 19 16-0791	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	4,277.31	1,579.32
		For Work In Restricted Working Space, Add	*789.66*	
26 05 19 16-0792	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	4,897.29	1,722.89
		For Work In Restricted Working Space, Add	*861.45*	
26 05 19 16-0793	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	5,830.27	1,776.91
		For Work In Restricted Working Space, Add	*888.45*	
26 05 19 16-0794	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	7,146.11	2,219.71
		For Work In Restricted Working Space, Add	*1,109.86*	
26 05 19 16-0795	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	8,579.35	2,594.29
		For Work In Restricted Working Space, Add	*1,297.14*	
26 05 19 16-0796	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	1,399.81	631.87
		For Work In Restricted Working Space, Add	*315.93*	
26 05 19 16-0797	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,667.26	710.77
		For Work In Restricted Working Space, Add	*355.38*	
26 05 19 16-0798	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	1,952.22	812.40
		For Work In Restricted Working Space, Add	*406.20*	
26 05 19 16-0799	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	2,192.43	874.95
		For Work In Restricted Working Space, Add	*437.48*	
26 05 19 16-0800	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	2,909.24	1,072.55
		For Work In Restricted Working Space, Add	*536.27*	
26 05 19 16-0801	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	3,347.94	1,184.60
		For Work In Restricted Working Space, Add	*592.42*	
26 05 19 16-0802	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	4,093.20	1,322.02
		For Work In Restricted Working Space, Add	*661.01*	
26 05 19 16-0803	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	4,889.13	1,579.08
		For Work In Restricted Working Space, Add	*789.66*	
26 05 19 16-0804	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	8,169.57	1,834.96
		For Work In Restricted Working Space, Add	*917.24*	
26 05 19 16-0805	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	7,301.62	2,145.32
		For Work In Restricted Working Space, Add	*1,072.90*	
26 05 19 16-0806	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	8,476.24	2,397.40
		For Work In Restricted Working Space, Add	*1,198.70*	
26 05 19 16-0807	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	10,201.93	2,801.83
		For Work In Restricted Working Space, Add	*1,400.92*	
26 05 19 16-0808	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,624.00	676.65
		For Work In Restricted Working Space, Add	*338.33*	
26 05 19 16-0809	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	1,933.99	748.67
		For Work In Restricted Working Space, Add	*374.22*	
26 05 19 16-0810	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	2,346.67	861.45
		For Work In Restricted Working Space, Add	*430.72*	
26 05 19 16-0811	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	2,649.81	916.89
		For Work In Restricted Working Space, Add	*458.44*	
26 05 19 16-0812	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	3,480.64	1,093.16
		For Work In Restricted Working Space, Add	*546.58*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0813		MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	4,288.18	1,292.17
			For Work In Restricted Working Space, Add	*646.08*	
26 05 19 16-0814		MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	5,203.21	1,457.77
			For Work In Restricted Working Space, Add	*728.89*	
26 05 19 16-0815		MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	6,186.38	1,672.43
			For Work In Restricted Working Space, Add	*836.21*	
26 05 19 16-0816		MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	7,306.12	1,895.60
			For Work In Restricted Working Space, Add	*947.80*	
26 05 19 16-0817		MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	9,334.76	2,215.45
			For Work In Restricted Working Space, Add	*1,107.73*	
26 05 19 16-0818		MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	10,812.32	2,589.31
			For Work In Restricted Working Space, Add	*1,294.65*	
26 05 19 16-0819		MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	13,065.75	3,026.42
			For Work In Restricted Working Space, Add	*1,513.21*	
26 05 19 16-0820		MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	1,925.58	710.77
			For Work In Restricted Working Space, Add	*355.38*	
26 05 19 16-0821		MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	2,392.80	779.47
			For Work In Restricted Working Space, Add	*389.50*	
26 05 19 16-0822		MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	2,908.34	888.45
			For Work In Restricted Working Space, Add	*444.23*	
26 05 19 16-0823		MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	3,373.80	963.80
			For Work In Restricted Working Space, Add	*481.90*	
26 05 19 16-0824		MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	4,558.65	1,209.72
			For Work In Restricted Working Space, Add	*604.86*	
26 05 19 16-0825		MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	5,397.36	1,354.00
			For Work In Restricted Working Space, Add	*677.00*	
26 05 19 16-0826		MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	6,289.51	1,579.32
			For Work In Restricted Working Space, Add	*789.66*	
26 05 19 16-0827		MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	7,428.79	1,806.05
			For Work In Restricted Working Space, Add	*903.03*	
26 05 19 16-0828		MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	8,802.47	2,047.00
			For Work In Restricted Working Space, Add	*1,023.50*	
26 05 19 16-0829		MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	11,322.43	2,392.43
			For Work In Restricted Working Space, Add	*1,196.22*	
26 05 19 16-0830		MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	13,106.09	2,796.14
			For Work In Restricted Working Space, Add	*1,398.07*	
26 05 19 16-0831		MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	15,876.22	3,268.80
			For Work In Restricted Working Space, Add	*1,634.40*	

26 05 19 16-0832 Single Conductor Installed On Poles *(26 05 19 16-0011)*

26 05 19 16-0833 Bare Stranded Conductor *(26 05 19 16-0832)*

26 05 19 16-0834		MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,471.69	498.79
26 05 19 16-0835		MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,712.36	543.69
26 05 19 16-0836		MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,954.46	589.12
26 05 19 16-0837		MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,368.93	634.82
26 05 19 16-0838		MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,853.68	680.66
26 05 19 16-0839		MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,040.61	816.42
26 05 19 16-0840		MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,634.07	906.87
26 05 19 16-0841		MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	5,276.77	995.69
26 05 19 16-0842		MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	7,031.48	1,180.96
26 05 19 16-0843		MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,510.58	1,357.78
26 05 19 16-0844		MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	9,158.53	1,538.84
26 05 19 16-0845		MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	11,553.53	1,813.60
26 05 19 16-0846		MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	11,834.27	1,909.09
26 05 19 16-0847		MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	14,662.54	1,999.27
26 05 19 16-0848		MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	16,165.93	2,081.29
26 05 19 16-0849		MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	18,771.15	2,170.11

26 05 19 16-0850 Insulated Stranded Conductor *(26 05 19 16-0832)*

26 05 19 16-0851		MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,579.29	498.79
26 05 19 16-0852		MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,851.20	543.69
26 05 19 16-0853		MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,228.54	589.12
26 05 19 16-0854		MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,420.81	634.82
26 05 19 16-0855		MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,932.83	680.66
26 05 19 16-0856		MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,926.30	816.42
26 05 19 16-0857		MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,622.66	906.87
26 05 19 16-0858		MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,435.93	995.69
26 05 19 16-0859		MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	6,542.71	1,180.96
26 05 19 16-0860		MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	7,829.29	1,357.78
26 05 19 16-0861		MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	9,211.68	1,538.84
26 05 19 16-0862		MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	11,228.34	1,813.60
26 05 19 16-0863		MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	12,695.04	1,909.09
26 05 19 16-0864		MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	13,894.70	1,999.27
26 05 19 16-0865		MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	15,529.29	2,081.29
26 05 19 16-0866		MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	17,417.04	2,170.11

26 05 19 16-0867 Bare Solid Conductor *(26 05 19 16-0832)*

26 05 19 16-0868		MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,471.69	498.79
26 05 19 16-0869		MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,954.46	589.12
26 05 19 16-0870		MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,368.93	634.82
26 05 19 16-0871		MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,820.97	680.66

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001 Cable For HVAC System Controls *(26 05 23)*

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*

Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable	490.40	151.04
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable	554.25	159.09
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable	598.92	168.21
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable	705.98	175.33
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable	738.95	183.62
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable	809.59	191.25
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable	871.47	198.89
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable	942.30	206.83
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable	1,009.77	213.04
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable	527.09	151.04
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable	619.71	159.09
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable	702.78	168.21
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable	748.85	175.33
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable	825.07	183.62
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable	849.13	191.25
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable	931.81	198.89
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable	1,087.09	206.83
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable	1,188.35	213.04

26 05 26 Grounding and Bonding for Electrical Systems *(26 05)*

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	643.53	241.79
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	847.78	241.79
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	1,053.00	291.26
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	1,443.18	291.26
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	1,933.27	351.70
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	3,033.06	351.70
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	3,508.38	423.14
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	4,114.69	423.14
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	5,759.21	533.05
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	7,096.92	533.05
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	7,533.58	708.91
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	9,666.60	708.91
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	9,700.80	818.82
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	13,060.82	818.82
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	17,820.95	1,011.15

26 05 26 00-0019 Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	1,199.21	329.72
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	1,278.64	329.72
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,638.30	329.72
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	1,860.62	571.52
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	2,515.02	571.52
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	3,551.45	571.52
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	4,292.75	1,000.16
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	5,237.61	1,000.16
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	6,139.32	1,000.16
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	7,312.94	1,000.16
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	8,625.12	1,307.90
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	10,428.93	1,307.90
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	12,147.21	1,307.90
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	14,221.74	2,033.29
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	18,567.36	2,033.29

26 05 26 00-0035 Copper Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	643.53	241.79
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	847.78	241.79
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	1,053.00	291.26
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	1,443.18	291.26
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	1,933.27	351.70
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	3,033.06	351.70
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	4,114.69	423.14
26 05 26 00-0043	MLF	4/0 AWG Copper Bare Single Solid Conductor	7,533.58	560.52

26 05 26 00-0044 Aluminum Bare Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0045	MLF	8 AWG Aluminum Bare Single Stranded Conductor	862.65	291.26
26 05 26 00-0046	MLF	6 AWG Aluminum Bare Single Stranded Conductor	964.43	291.26
26 05 26 00-0047	MLF	4 AWG Aluminum Bare Single Stranded Conductor	1,123.37	351.70
26 05 26 00-0048	MLF	2 AWG Aluminum Bare Single Stranded Conductor	1,453.71	351.70
26 05 26 00-0049	MLF	1 AWG Aluminum Bare Single Stranded Conductor	1,729.44	423.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0050	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,981.77	423.14
26 05 26 00-0051	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	2,276.75	533.05
26 05 26 00-0052	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	2,650.34	533.05
26 05 26 00-0053	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	3,142.33	708.91
26 05 26 00-0054	MLF	250 MCM Aluminum Bare Single Stranded Conductor	3,561.73	708.91
26 05 26 00-0055	MLF	300 MCM Aluminum Bare Single Stranded Conductor	4,357.02	818.82
26 05 26 00-0056	MLF	350 MCM Aluminum Bare Single Stranded Conductor	5,024.68	818.82
26 05 26 00-0057	MLF	500 MCM Aluminum Bare Single Stranded Conductor	5,885.78	1,011.15

26 05 26 00-0058 Aluminum Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0059	MLF	8 AWG Aluminum Bare Single Solid Conductor	862.65	291.26
26 05 26 00-0060	MLF	6 AWG Aluminum Bare Single Solid Conductor	964.43	291.26
26 05 26 00-0061	MLF	4 AWG Aluminum Bare Single Solid Conductor	1,123.37	351.70
26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor	1,453.71	351.70
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor	1,685.08	560.52
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,981.77	560.52
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	2,166.87	533.05
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	2,429.09	533.05
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	3,142.33	708.91
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor	3,561.73	708.91
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor	4,357.02	818.82
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor	5,024.68	818.82
26 05 26 00-0071	MLF	500 MCM Aluminum Bare Single Solid Conductor	5,885.78	1,011.15

26 05 26 00-0072 Aluminum Smooth Woven Conductors *(26 05 26 00-0002)*

26 05 26 00-0073	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.08	0.89
26 05 26 00-0074	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.41	0.98
26 05 26 00-0075	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.05	1.13
26 05 26 00-0076	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.08	1.15
26 05 26 00-0077	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.28	1.20

26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap *(26 05 26 00-0001)*

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.

26 05 26 00-0079	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	149.35	32.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 05 26 00-0080	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	257.42	38.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 05 26 00-0081	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	329.33	38.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 05 26 00-0082	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	400.27	38.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 05 26 00-0083	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	346.49	42.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.17*	
26 05 26 00-0084	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	449.95	42.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.17*	
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	539.85	42.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.17*	
26 05 26 00-0086	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	450.86	53.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.09*	
26 05 26 00-0087	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	542.20	64.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	

26 05 26 00-0088 Bonding Jumper For Metallic Conduit *(26 05 26 00-0001)*

26 05 26 00-0089	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	199.57	71.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.52*	
26 05 26 00-0090	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	245.86	71.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.87*	
26 05 26 00-0091	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	360.01	110.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.94*	
26 05 26 00-0092	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	531.97	110.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.03*	

26 05 26 00-0093 Ground Rods *(26 05 26)*

26 05 26 00-0094 Copper-Clad Ground Rods *(26 05 26 00-0093)*

26 05 26 00-0095	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	107.38	97.24
26 05 26 00-0096	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	111.51	97.24
26 05 26 00-0097	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	128.18	97.24
26 05 26 00-0098	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	126.14	97.24
26 05 26 00-0099	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	131.31	97.24
26 05 26 00-0100	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	152.14	97.24

26 05 26 00-0101 Copper Grounding Shaft *(26 05 26 00-0093)*

26 05 26 00-0102	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	373.33	97.24
26 05 26 00-0103	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	464.58	97.24
26 05 26 00-0104	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	721.22	97.24

26 05 26 00-0105 Ground Access Wells *(26 05 26 00-0093)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0106		**Precast Ground Access Wells** *(26 05 26 00-0105)*		
26 05 26 00-0107	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	297.37	
26 05 26 00-0108	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	308.34	
26 05 26 00-0109	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	894.33	
26 05 26 00-0110	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	905.31	
26 05 26 00-0111		**Polyvinyl Chloride (PVC) Ground Access Well** *(26 05 26 00-0105)*		
26 05 26 00-0112	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	583.24	
26 05 26 00-0113	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	710.20	
26 05 26 00-0114	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	1,561.18	
26 05 26 00-0115	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	442.45	
26 05 26 00-0116	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	535.10	
26 05 26 00-0117	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	1,396.74	
26 05 26 00-0118	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	254.76	
26 05 26 00-0119	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	350.17	
26 05 26 00-0120	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	416.80	
26 05 26 00-0121	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	207.44	
26 05 26 00-0122	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	322.96	
26 05 26 00-0123	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	483.00	
26 05 26 00-0124	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	665.96	
26 05 26 00-0125	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	462.89	
26 05 26 00-0126	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	497.96	
26 05 26 00-0127	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	890.83	
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	1,124.98	
26 05 26 00-0129	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	495.69	
26 05 26 00-0130	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	675.89	
26 05 26 00-0131	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	667.98	
26 05 26 00-0132		**Polymer Concrete Ground Access Well** *(26 05 26 00-0105)*		
26 05 26 00-0133	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	564.23	
26 05 26 00-0134	EA	12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well	618.99	
26 05 26 00-0135	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	621.73	
26 05 26 00-0136	EA	12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well	681.98	
26 05 26 00-0137	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	681.45	
26 05 26 00-0138	EA	12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well	747.70	
26 05 26 00-0139	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	909.23	
26 05 26 00-0140	EA	13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well	999.59	
26 05 26 00-0141		**High-Density Polyethylene (HDPE) Ground Access Well** *(26 05 26 00-0105)*		
26 05 26 00-0142	EA	9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	205.56	
26 05 26 00-0143	EA	14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	286.53	
26 05 26 00-0144		**Clay Tile Ground Access Wells** *(26 05 26 00-0105)*		
26 05 26 00-0145	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	324.87	
26 05 26 00-0146	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	341.63	
26 05 26 00-0147	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	103.66	
26 05 26 00-0148		**Ground Rod Clamps And Fittings** *(26 05 26)*		
26 05 26 00-0149		**Bronze Ground Rod Clamp** *(26 05 26 00-0148)*		
26 05 26 00-0150	EA	1/2" Bronze Ground Rod Clamp	25.30	14.65
26 05 26 00-0151	EA	5/8" Bronze Ground Rod Clamp	26.34	14.65
26 05 26 00-0152	EA	3/4" Bronze Ground Rod Clamp	27.82	14.65
26 05 26 00-0153		**Bronze Pipe Clamps** *(26 05 26 00-0148)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0154	EA	1/2" To 1" Bronze Pipe Ground Clamps	34.22	24.38
26 05 26 00-0155	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe	42.89	29.17
26 05 26 00-0156	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe	60.40	34.10
26 05 26 00-0157	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe	74.65	43.82
26 05 26 00-0158	EA	4" To 6" Bronze Ground Clamps For Pipe	112.89	63.27

26 05 26 00-0159 Grounding Fittings *(26 05 26 00-0148)*

26 05 26 00-0160 Embedded Fittings *(26 05 26 00-0159)*

26 05 26 00-0161	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	170.15	
26 05 26 00-0162	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	179.58	
26 05 26 00-0163	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	196.32	
26 05 26 00-0164	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	170.27	
26 05 26 00-0165	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	204.05	
26 05 26 00-0166	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	239.20	
26 05 26 00-0167	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	269.22	

26 05 26 00-0168 Ground Rod Receptacle *(26 05 26 00-0159)*

26 05 26 00-0169	EA	1/2" Ground Rod Receptacle	365.89	134.84
26 05 26 00-0170	EA	5/8" Ground Rod Receptacle	381.75	138.65
26 05 26 00-0171	EA	3/4" Ground Rod Receptacle	398.02	142.41

26 05 26 00-0172 Ground Kits For Circuit Breaker Panels *(26 05 26 00-0159)*

26 05 26 00-0173	EA	14-8 AWG Copper Ground Kit	82.59	32.42
26 05 26 00-0174	EA	12-8 AWG Aluminum Ground Kit	90.50	32.42
26 05 26 00-0175	EA	14-4 AWG Copper Ground Kit	90.52	32.42
26 05 26 00-0176	EA	12-4 AWG Aluminum Ground Kit	108.47	32.42

26 05 26 00-0177 Insulated Grounding Bars *(26 05 26 00-0148)*

26 05 26 00-0178	EA	1/2" x 4" x 10" Insulated Ground Bar	334.02	32.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.34*	
26 05 26 00-0179	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	349.34	32.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.34*	

26 05 26 00-0180 Ground Conductor Bonding *(26 05 26)*

26 05 26 00-0181 Ground Conductor Bonding *(26 05 26 00-0180)*

26 05 26 00-0182 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld *(26 05 26 00-0181)*

26 05 26 00-0183	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	150.13
26 05 26 00-0184	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	163.09
26 05 26 00-0185	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	176.06
26 05 26 00-0186	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	253.85

26 05 26 00-0187 Tee, Wye Or Cross Cadweld *(26 05 26 00-0181)*

26 05 26 00-0188	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	169.58
26 05 26 00-0189	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	195.50
26 05 26 00-0190	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	240.89
26 05 26 00-0191	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	292.74

26 05 26 00-0192 Grounding Equipment *(26 05 26)*

26 05 26 00-0193 Special Grounding Equipment *(26 05 26 00-0192)*

26 05 26 00-0194 Ground Reels And Ground Bus *(26 05 26 00-0193)*

26 05 26 00-0195	EA	Ground Reel With 50' Of Galvanized Steel Cable	741.34

26 05 26 00-0196 Copper Bars *(26 05 26 00-0193)*

26 05 26 00-0197	LF	1/4" x 2" Copper Bar	43.51

26 05 26 00-0198 Phenolic Insulators *(26 05 26 00-0193)*

26 05 26 00-0199	EA	2" x 2" x 1" Long Phenolic Insulators	33.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	

26 05 26 00-0200 Grounding Studs *(26 05 26 00-0193)*

26 05 26 00-0201	EA	Ball Grounding Stud	48.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.61*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0202		Equipment Ground Bar Kits *(26 05 26 00-0193)*		
26 05 26 00-0203	EA	Switch Rating 30 Ground Bar Kit	36.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 26 00-0204	EA	Switch Rating 60 Ground Bar Kit	46.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 05 26 00-0205	EA	Switch Rating 100 Ground Bar Kit	53.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 26 00-0206	EA	Switch Rating 200 Ground Bar Kit	90.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 05 26 00-0207		Panelboard Ground Bar Kits *(26 05 26 00-0193)*		
26 05 26 00-0208	EA	Panelboard Ground Bar Kit	127.56	9.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 26 00-0209		Circuit Breaker Ground Bar Kits *(26 05 26 00-0193)*		
26 05 26 00-0210	EA	3 Circuit, Ground Bar Kit	30.11	5.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 26 00-0211	EA	4 Circuit, Ground Bar Kit	29.62	5.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 26 00-0212	EA	7 Circuit, Ground Bar Kit	30.44	5.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 26 00-0213	EA	12 Circuit, Ground Bar Kit	34.52	6.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 05 26 00-0214	EA	20 Circuit, Ground Bar Kit	39.23	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.39*	
26 05 26 00-0215	EA	24 Circuit, Ground Bar Kit	43.31	8.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 26 00-0216	EA	30 Circuit, Ground Bar Kit	48.50	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.33*	
26 05 26 00-0217	EA	54 Circuit, Ground Bar Kit	56.16	10.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.89*	
26 05 26 00-0218	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	59.87	8.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 26 00-0219	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	66.38	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.33*	
26 05 26 00-0220	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	74.20	10.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.89*	

26 05 29 Hangers and Supports for Electrical Systems *(26 05)*

26 05 29 00-0001		Metal Framing Channel And Fittings *(26 05 29)* See CSI section 05 43 00 00-0001 for additional unistrut fittings.		
26 05 29 00-0002		Metal Framing Channel *(26 05 29 00-0001)* Note: Excludes fasteners and accessories.		
26 05 29 00-0003		Steel Unistrut Channel *(26 05 29 00-0002)*		
26 05 29 00-0004	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	21.19	7.11
		For Galvanizing, Add	*0.98*	
		For Powder Coating, Add	*0.87*	
26 05 29 00-0005	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	30.53	9.47
		For Galvanizing, Add	*1.97*	
		For Powder Coating, Add	*1.74*	
26 05 29 00-0006	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	39.87	11.26
		For Galvanizing, Add	*2.95*	
		For Powder Coating, Add	*2.61*	
26 05 29 00-0007	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	49.23	13.03
		For Galvanizing, Add	*3.94*	
		For Powder Coating, Add	*3.48*	
26 05 29 00-0008	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	11.14	2.68
		For Galvanizing, Add	*0.98*	
		For Powder Coating, Add	*0.87*	
26 05 29 00-0009	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	22.98	7.12
		For Galvanizing, Add	*1.29*	
		For Powder Coating, Add	*1.14*	
26 05 29 00-0010	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	34.09	9.47
		For Galvanizing, Add	*2.57*	
		For Powder Coating, Add	*2.27*	
26 05 29 00-0011	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	45.20	11.26
		For Galvanizing, Add	*3.86*	
		For Powder Coating, Add	*3.41*	
26 05 29 00-0012	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	56.33	13.03
		For Galvanizing, Add	*5.15*	
		For Powder Coating, Add	*4.54*	
26 05 29 00-0013	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	12.92	2.68
		For Galvanizing, Add	*1.29*	
		For Powder Coating, Add	*1.14*	
26 05 29 00-0014	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	24.82	7.12
		For Galvanizing, Add	*1.60*	
		For Powder Coating, Add	*1.41*	
26 05 29 00-0015	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	37.77	9.47
		For Galvanizing, Add	*3.20*	
		For Powder Coating, Add	*2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0016	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	50.74	11.26
		For Galvanizing, Add	*4.80*	
		For Powder Coating, Add	*4.24*	
26 05 29 00-0017	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	63.71	13.03
		For Galvanizing, Add	*6.40*	
		For Powder Coating, Add	*5.65*	
26 05 29 00-0018	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.76	2.68
		For Galvanizing, Add	*1.60*	
		For Powder Coating, Add	*1.41*	
26 05 29 00-0019	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	24.20	7.12
		For Galvanizing, Add	*1.49*	
		For Powder Coating, Add	*1.32*	
26 05 29 00-0020	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	36.52	9.47
		For Galvanizing, Add	*2.99*	
		For Powder Coating, Add	*2.64*	
26 05 29 00-0021	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	48.86	11.26
		For Galvanizing, Add	*4.48*	
		For Powder Coating, Add	*3.95*	
26 05 29 00-0022	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	61.21	13.03
		For Galvanizing, Add	*5.98*	
		For Powder Coating, Add	*5.27*	
26 05 29 00-0023	LF	>4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	14.14	2.68
		For Galvanizing, Add	*1.49*	
		For Powder Coating, Add	*1.32*	
26 05 29 00-0024	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	23.79	7.12
		For Galvanizing, Add	*1.42*	
		For Powder Coating, Add	*1.26*	
26 05 29 00-0025	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	35.71	9.47
		For Galvanizing, Add	*2.85*	
		For Powder Coating, Add	*2.51*	
26 05 29 00-0026	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	47.65	11.26
		For Galvanizing, Add	*4.28*	
		For Powder Coating, Add	*3.77*	
26 05 29 00-0027	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	59.59	13.03
		For Galvanizing, Add	*5.70*	
		For Powder Coating, Add	*5.03*	
26 05 29 00-0028	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.73	2.68
		For Galvanizing, Add	*1.42*	
		For Powder Coating, Add	*1.26*	

26 05 29 00-0029 Stainless Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0030 304 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0031	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	34.48	7.12
26 05 29 00-0032	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	57.08	9.47
26 05 29 00-0033	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	79.70	11.26
26 05 29 00-0034	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	102.33	13.03
26 05 29 00-0035	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.42	2.68
26 05 29 00-0036	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	37.98	7.12
26 05 29 00-0037	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	64.09	9.47
26 05 29 00-0038	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	90.21	11.26
26 05 29 00-0039	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	116.34	13.03
26 05 29 00-0040	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	27.92	2.68
26 05 29 00-0041	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	39.14	7.12
26 05 29 00-0042	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	66.41	9.47
26 05 29 00-0043	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	93.68	11.26
26 05 29 00-0044	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	120.97	13.03
26 05 29 00-0045	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	29.08	2.68
26 05 29 00-0046	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	45.18	7.12
26 05 29 00-0047	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	78.48	9.47
26 05 29 00-0048	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	111.80	11.26
26 05 29 00-0049	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	145.12	13.03
26 05 29 00-0050	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	35.12	2.68

26 05 29 00-0051 316 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0052	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	49.59	7.12
26 05 29 00-0053	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	87.31	9.47
26 05 29 00-0054	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	125.05	11.26
26 05 29 00-0055	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	162.79	13.03
26 05 29 00-0056	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	39.53	2.68

26 05 29 00-0057 Aluminum Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0058	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	20.15	7.11
26 05 29 00-0059	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	28.45	9.47
26 05 29 00-0060	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	36.75	11.26
26 05 29 00-0061	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	45.06	13.03
26 05 29 00-0062	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	10.10	2.68
26 05 29 00-0063	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	23.25	7.11
26 05 29 00-0064	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	34.66	9.47
26 05 29 00-0065	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	46.06	11.26
26 05 29 00-0066	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	57.48	13.03
26 05 29 00-0067	LF	>4' Cut lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	13.20	2.68

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0068		Metal Framing Channel Fittings *(26 05 29 00-0001)*		
26 05 29 00-0069		Unistrut Channel Closure Strips And Caps *(26 05 29 00-0068)*		
26 05 29 00-0070		Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*		
26 05 29 00-0071	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	7.73	0.65
26 05 29 00-0072	EA	Steel End Cap, Unistrut Channel Fittings	5.77	1.63
26 05 29 00-0073		Stainless Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*		
26 05 29 00-0074	EA	Stainless Steel End Cap For Unistrut Channel	12.28	1.63
26 05 29 00-0075		Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0076		Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*		
26 05 29 00-0077	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.58	
26 05 29 00-0078	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.53	
26 05 29 00-0079	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	9.20	
26 05 29 00-0080		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*		
26 05 29 00-0081	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	17.21	
26 05 29 00-0082	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	25.43	
26 05 29 00-0083	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	32.38	
26 05 29 00-0084		90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0085		Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0086	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	7.33	
26 05 29 00-0087	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.12	
26 05 29 00-0088	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.66	
26 05 29 00-0089	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.51	
26 05 29 00-0090		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0091	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.02	
26 05 29 00-0092	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	12.43	
26 05 29 00-0093	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.60	
26 05 29 00-0094	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	14.89	
26 05 29 00-0095	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.64	
26 05 29 00-0096	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	24.86	
26 05 29 00-0097	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	14.32	
26 05 29 00-0098	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	20.61	
26 05 29 00-0099		60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0100		Steel 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0099)*		
26 05 29 00-0101	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	15.31	
26 05 29 00-0102		U-Connector, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0103		Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0104	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	5.32	
26 05 29 00-0105	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	5.95	
26 05 29 00-0106		Stainless Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0107	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	20.46	
26 05 29 00-0108		Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0109		Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0110	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	15.72	
26 05 29 00-0111		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0112	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	39.44	
26 05 29 00-0113		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex screw and nut.		
26 05 29 00-0114		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0115	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.68	1.95
26 05 29 00-0116	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.71	1.95
26 05 29 00-0117	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.85	1.95
26 05 29 00-0118	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.35	2.60
26 05 29 00-0119	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.08	2.60
26 05 29 00-0120	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.16	2.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0121	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.97	3.24
26 05 29 00-0122	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.61	3.24
26 05 29 00-0123	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.24	3.24
26 05 29 00-0124	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.46	3.24
26 05 29 00-0125		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)*		
		Note: Includes hex screw and nut.		
26 05 29 00-0126	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.30	1.95
26 05 29 00-0127	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.21	1.95
26 05 29 00-0128	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.13	1.95
26 05 29 00-0129	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.64	2.60
26 05 29 00-0130	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.19	2.60
26 05 29 00-0131	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.86	2.60
26 05 29 00-0132	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	19.05	3.24
26 05 29 00-0133	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.32	3.24
26 05 29 00-0134	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	22.29	3.24
26 05 29 00-0135	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	25.88	3.24
26 05 29 00-0136		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)*		
		Note: Includes hex screw and nut.		
26 05 29 00-0137	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.86	1.95
26 05 29 00-0138	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.15	1.95
26 05 29 00-0139	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.52	1.95
26 05 29 00-0140	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.82	2.60
26 05 29 00-0141	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.27	2.60
26 05 29 00-0142	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.50	2.60
26 05 29 00-0143	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.77	3.24
26 05 29 00-0144	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.92	3.24
26 05 29 00-0145	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	30.12	3.24
26 05 29 00-0146	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	35.13	3.24
26 05 29 00-0147		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0148		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0149	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	42.48	11.85
26 05 29 00-0150	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	28.02	11.85
26 05 29 00-0151	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	41.02	11.85
26 05 29 00-0152		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0153	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	50.83	11.85
26 05 29 00-0154		Square Washers For Unistrut Channel *(26 05 29 00-0068)*		
26 05 29 00-0155		Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0156	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	5.33	
26 05 29 00-0157		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0158	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	5.10	
26 05 29 00-0159	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	6.35	
26 05 29 00-0160		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0161	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	43.41	
26 05 29 00-0162		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0163	EA	Steel Trolley Track Hanger For Unistrut Channel	53.86	
26 05 29 00-0164		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0068)*		
		Note: Includes hex bolt.		
26 05 29 00-0165		Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)*		
		Note: Includes hex bolt.		
26 05 29 00-0166	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	8.98	
26 05 29 00-0167	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	9.86	
26 05 29 00-0168	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	10.53	
26 05 29 00-0169	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	14.10	
26 05 29 00-0170		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)*		
		Note: Includes hex bolt.		
26 05 29 00-0171	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.54	
26 05 29 00-0172	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	15.46	
26 05 29 00-0173	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	21.44	
26 05 29 00-0174	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	35.39	

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	CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0175			Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex bolt.		
26 05 29 00-0176			Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)* Note: Includes hex bolt.		
26 05 29 00-0177		EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	9.01	
26 05 29 00-0178		EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	9.99	
26 05 29 00-0179		EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	10.58	
26 05 29 00-0180		EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	15.13	
26 05 29 00-0181			Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)* Note: Includes hex bolt.		
26 05 29 00-0182		EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.78	
26 05 29 00-0183		EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.80	
26 05 29 00-0184		EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.95	
26 05 29 00-0185		EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	34.51	
26 05 29 00-0186			Mounting Assemblies *(26 05 29)*		
26 05 29 00-0187			Galvanized Steel Mounting Assemblies *(26 05 29 00-0186)*		
26 05 29 00-0188			Galvanized Steel Back Plate *(26 05 29 00-0187)*		
26 05 29 00-0189		EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	571.55	77.79
26 05 29 00-0190		EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	140.31	25.93
26 05 29 00-0191		EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	355.36	64.82
26 05 29 00-0192			Aluminum Mounting Assemblies *(26 05 29 00-0186)*		
26 05 29 00-0193			Aluminum Back Plate *(26 05 29 00-0192)*		
26 05 29 00-0194		EA	3/16" x 2' x 2' Aluminum Back Plate	464.03	97.24
26 05 29 00-0195		EA	3/16" x 4' x 4' Aluminum Back Plate	1,317.98	97.24
26 05 29 00-0196			Supports *(26 05 29)*		
26 05 29 00-0197			One Hole Steel Conduit Straps *(26 05 29 00-0196)*		
26 05 29 00-0198		EA	1/2", One Hole Steel Conduit Strap	4.73	
			For Work In Restricted Working Space, Add	*1.25*	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
			For >50 To 100, Deduct	*-0.22*	
			For >100 To 250, Deduct	*-0.44*	
			For >250 To 500, Deduct	*-0.87*	
			For >500, Deduct	*-1.30*	
26 05 29 00-0199		EA	3/4", One Hole Steel Conduit Strap	4.79	
			For Work In Restricted Working Space, Add	*1.25*	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
			For >50 To 100, Deduct	*-0.22*	
			For >100 To 250, Deduct	*-0.45*	
			For >250 To 500, Deduct	*-0.88*	
			For >500, Deduct	*-1.31*	
26 05 29 00-0200		EA	1", One Hole Steel Conduit Strap	5.09	
			For Work In Restricted Working Space, Add	*1.25*	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
			For >50 To 100, Deduct	*-0.23*	
			For >100 To 250, Deduct	*-0.46*	
			For >250 To 500, Deduct	*-0.90*	
			For >500, Deduct	*-1.34*	
26 05 29 00-0201		EA	1-1/4", One Hole Steel Conduit Strap	5.31	
			For Work In Restricted Working Space, Add	*1.25*	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
			For >50 To 100, Deduct	*-0.24*	
			For >100 To 250, Deduct	*-0.47*	
			For >250 To 500, Deduct	*-0.92*	
			For >500, Deduct	*-1.36*	
26 05 29 00-0202		EA	1-1/2", One Hole Steel Conduit Strap	5.46	
			For Work In Restricted Working Space, Add	*1.25*	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
			For >50 To 100, Deduct	*-0.24*	
			For >100 To 250, Deduct	*-0.48*	
			For >250 To 500, Deduct	*-0.93*	
			For >500, Deduct	*-1.38*	
26 05 29 00-0203		EA	2", One Hole Steel Conduit Strap	6.37	
			For Work In Restricted Working Space, Add	*1.25*	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
			For >50 To 100, Deduct	*-0.26*	
			For >100 To 250, Deduct	*-0.53*	
			For >250 To 500, Deduct	*-1.00*	
			For >500, Deduct	*-1.47*	
26 05 29 00-0204		EA	2-1/2", One Hole Steel Conduit Strap	7.30	
			For Work In Restricted Working Space, Add	*1.25*	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
			For >50 To 100, Deduct	*-0.29*	
			For >100 To 250, Deduct	*-0.57*	
			For >250 To 500, Deduct	*-1.07*	
			For >500, Deduct	*-1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0205	EA	3", One Hole Steel Conduit Strap	7.61	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.59*	
26 05 29 00-0206	EA	3-1/2", One Hole Steel Conduit Strap	9.13	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.74*	
26 05 29 00-0207	EA	4", One Hole Steel Conduit Strap	10.35	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.87*	

26 05 29 00-0208 One Hole Iron Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0209	EA	1/2", One Hole Iron Conduit Strap	4.88	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.32*	
26 05 29 00-0210	EA	3/4", One Hole Iron Conduit Strap	5.03	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.33*	
26 05 29 00-0211	EA	1", One Hole Iron Conduit Strap	5.29	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.36*	
26 05 29 00-0212	EA	1-1/4", One Hole Iron Conduit Strap	5.92	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.42*	
26 05 29 00-0213	EA	1-1/2", One Hole Iron Conduit Strap	6.18	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.45*	
26 05 29 00-0214	EA	2", One Hole Iron Conduit Strap	7.78	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.61*	
26 05 29 00-0215	EA	2-1/2", One Hole Iron Conduit Strap	11.23	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.36*	
		For >500, Deduct	*-1.95*	
26 05 29 00-0216	EA	3", One Hole Iron Conduit Strap	14.11	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.24*	
26 05 29 00-0217	EA	3-1/2", One Hole Iron Conduit Strap	18.32	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0218	EA	4", One Hole Iron Conduit Strap	35.16	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-4.35*	
26 05 29 00-0219	EA	5", One Hole Iron Conduit Strap	44.21	
		For Work In Restricted Working Space, Add	*1.25*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.83*	
		For >500, Deduct	*-5.25*	

26 05 29 00-0220 Two Hole Steel Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0221	EA	1/2", Two Hole Steel Conduit Strap	5.48	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.48*	
26 05 29 00-0222	EA	3/4", Two Hole Steel Conduit Strap	5.58	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.49*	
26 05 29 00-0223	EA	1", Two Hole Steel Conduit Strap	5.63	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.50*	
26 05 29 00-0224	EA	1-1/4", Two Hole Steel Conduit Strap	5.70	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.50*	
26 05 29 00-0225	EA	1-1/2", Two Hole Steel Conduit Strap	5.75	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.51*	
26 05 29 00-0226	EA	2", Two Hole Steel Conduit Strap	5.88	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.52*	
26 05 29 00-0227	EA	2-1/2", Two Hole Steel Conduit Strap	6.57	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.59*	
26 05 29 00-0228	EA	3", Two Hole Steel Conduit Strap	6.72	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.61*	
26 05 29 00-0229	EA	3-1/2", Two Hole Steel Conduit Strap	7.26	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.66*	
26 05 29 00-0230	EA	4", Two Hole Steel Conduit Strap	7.64	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0231	EA	5", Two Hole Steel Conduit Strap	8.13	
		For Work In Restricted Working Space, Add	*1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.19*	
		For >500, Deduct	*-1.75*	

26 05 29 00-0232 Clamp Back Spacers *(26 05 29 00-0196)*

26 05 29 00-0233	EA	1/2" Conduit, Clamp Back Spacer	4.40	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.09*	
26 05 29 00-0234	EA	3/4" Conduit, Clamp Back Spacer	4.78	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.13*	
26 05 29 00-0235	EA	1" Conduit, Clamp Back Spacer	5.14	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0236	EA	1-1/4" Conduit, Clamp Back Spacer	6.55	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.30*	
26 05 29 00-0237	EA	1-1/2" Conduit, Clamp Back Spacer	7.68	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.42*	
26 05 29 00-0238	EA	2" Conduit, Clamp Back Spacer	8.87	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.54*	
26 05 29 00-0239	EA	2-1/2" Conduit, Clamp Back Spacer	13.70	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-2.02*	
26 05 29 00-0240	EA	3" Conduit, Clamp Back Spacer	19.47	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.60*	
26 05 29 00-0241	EA	3-1/2" Conduit, Clamp Back Spacer	25.08	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-3.16*	
26 05 29 00-0242	EA	4" Conduit, Clamp Back Spacer	51.38	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.26*	
		For >500, Deduct	*-5.79*	
26 05 29 00-0243	EA	5" Conduit, Clamp Back Spacer	95.80	
		For Work In Restricted Working Space, Add	*0.97*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.91*	
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.95*	
		For >250 To 500, Deduct	*-7.59*	
		For >500, Deduct	*-10.23*	

26 05 29 00-0244 Conduit Clips *(26 05 29 00-0196)*

Note: Push in or clip.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0245	EA	1/2" Conduit Clip	5.35	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.37*	
26 05 29 00-0246	EA	3/4" Conduit Clip	5.35	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.37*	
26 05 29 00-0247	EA	1" Conduit Clip	5.26	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.36*	
26 05 29 00-0248	EA	1-1/4" Conduit Clip	5.48	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.14*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.38*	

26 05 29 00-0249 Bolt And Nut Conduit Clips *(26 05 29 00-0196)*

26 05 29 00-0250	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	6.65	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.40*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.70*	
26 05 29 00-0251	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	6.88	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.40*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.73*	
26 05 29 00-0252	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	7.33	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.48*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.84*	
26 05 29 00-0253	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	7.46	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.48*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.85*	
26 05 29 00-0254	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	8.34	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.48*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.94*	
26 05 29 00-0255	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	9.04	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.56*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.07*	
26 05 29 00-0256	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	9.83	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.56*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.47*	
		For >500, Deduct	*-2.15*	
26 05 29 00-0257	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	17.89	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.72*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-3.09*	

26 05 29 00-0258 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0196)*

Note: Bat wing.

26 05 29 00-0259	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	3.87	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0260	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	3.93	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0261	EA	1", Conduit Hanger From Flange, Wire Or Rod	4.11	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.04*	
26 05 29 00-0262	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	4.55	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.08*	

26 05 29 00-0263 Beam Flange Clamps *(26 05 29 00-0196)*

Note: For threaded rod, nut not required.

26 05 29 00-0264	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	5.73	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.22*	
26 05 29 00-0265	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	5.61	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.21*	
26 05 29 00-0266	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	6.30	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.28*	

26 05 29 00-0267 T-Bar Support Clips *(26 05 29 00-0196)*

26 05 29 00-0268	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	9.49	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-2.25*	
26 05 29 00-0269	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	8.96	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-2.19*	
26 05 29 00-0270	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	3.47	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.67*	
26 05 29 00-0271	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	29.20	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.44*	

26 05 29 00-0272 Switch And Outlet Box Type Supports *(26 05 29 00-0196)*

26 05 29 00-0273	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	7.14	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.23*	
26 05 29 00-0274	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	6.02	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.12*	
26 05 29 00-0275	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	6.98	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.22*	
26 05 29 00-0276	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	4.43	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.96*	
26 05 29 00-0277	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	4.63	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.98*	

26 05 29 00-0278 Lighting Fixture Hanger *(26 05 29 00-0196)*

Note: For existing or owner furnished fixtures.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0279	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	6.28	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.67*	
26 05 29 00-0280	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	22.88	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.36*	
		For >500, Deduct	*-3.33*	
26 05 29 00-0281	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	31.60	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-4.20*	

26 05 29 00-0282 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0283	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.68	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*1.17*	
26 05 29 00-0284	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.71	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*1.17*	
26 05 29 00-0285	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.85	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*1.17*	
26 05 29 00-0286	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.34	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.77*	
		For Work In Restricted Working Space, Add	*1.56*	
26 05 29 00-0287	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.07	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.85*	
		For Work In Restricted Working Space, Add	*1.56*	
26 05 29 00-0288	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.15	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.26*	
		For >500, Deduct	*-1.85*	
		For Work In Restricted Working Space, Add	*1.56*	
26 05 29 00-0289	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.96	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.29*	
		For Work In Restricted Working Space, Add	*1.94*	
26 05 29 00-0290	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.60	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-2.36*	
		For Work In Restricted Working Space, Add	*1.94*	
26 05 29 00-0291	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.23	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-2.42*	
		For Work In Restricted Working Space, Add	*1.94*	
26 05 29 00-0292	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.45	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.44*	
		For Work In Restricted Working Space, Add	*1.94*	

26 05 29 00-0293 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0294	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.15	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*1.17*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0295	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.10	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*1.17*	
26 05 29 00-0296	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.02	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.38*	
		For Work In Restricted Working Space, Add	*1.17*	
26 05 29 00-0297	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	7.92	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.83*	
		For Work In Restricted Working Space, Add	*1.56*	
26 05 29 00-0298	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.19	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*1.56*	
26 05 29 00-0299	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.26	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*1.56*	

26 05 29 00-0300 "J" Type Conduit Hangers *(26 05 29 00-0196)*

26 05 29 00-0301	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	27.39	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-3.19*	
		For >500, Deduct	*-4.56*	
		For Work In Restricted Working Space, Add	*2.72*	
26 05 29 00-0302	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	27.71	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*2.72*	
26 05 29 00-0303	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	29.30	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*3.11*	
26 05 29 00-0304	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	29.64	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.52*	
		For >500, Deduct	*-5.04*	
		For Work In Restricted Working Space, Add	*3.11*	
26 05 29 00-0305	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	31.16	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.79*	
		For >500, Deduct	*-5.45*	
		For Work In Restricted Working Space, Add	*3.50*	
26 05 29 00-0306	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	32.46	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-3.89*	
		For >500, Deduct	*-5.58*	
		For Work In Restricted Working Space, Add	*3.50*	
26 05 29 00-0307	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	52.35	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 250, Deduct	*-3.27*	
		For >250 To 500, Deduct	*-5.55*	
		For >500, Deduct	*-7.83*	
		For Work In Restricted Working Space, Add	*3.89*	
26 05 29 00-0308	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	55.61	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.49*	
		For >250 To 500, Deduct	*-5.95*	
		For >500, Deduct	*-8.41*	
		For Work In Restricted Working Space, Add	*4.28*	
26 05 29 00-0309	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	59.85	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-6.43*	
		For >500, Deduct	*-9.10*	
		For Work In Restricted Working Space, Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0310	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	80.01	
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-4.78*	
		For >250 To 500, Deduct	*-7.95*	
		For >500, Deduct	*-11.11*	
		For Work In Restricted Working Space, Add	*4.67*	
26 05 29 00-0311	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	87.92	
		For >50 To 100, Deduct	*-2.62*	
		For >100 To 250, Deduct	*-5.24*	
		For >250 To 500, Deduct	*-8.70*	
		For >500, Deduct	*-12.16*	
		For Work In Restricted Working Space, Add	*5.06*	
26 05 29 00-0312	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	124.31	
		For >50 To 100, Deduct	*-3.59*	
		For >100 To 250, Deduct	*-7.19*	
		For >250 To 500, Deduct	*-11.75*	
		For >500, Deduct	*-16.32*	
		For Work In Restricted Working Space, Add	*5.84*	

26 05 29 00-0313 Between Studs Box Brackets *(26 05 29 00-0196)*

26 05 29 00-0314	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.83	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.76*	
		For Work In Restricted Working Space, Add	*1.17*	
26 05 29 00-0315	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	11.88	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*1.17*	

26 05 29 00-0316 Hangers And Brackets *(26 05 29 00-0196)*

26 05 29 00-0317	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.38	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.86*	
26 05 29 00-0318	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	3.26	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.85*	
26 05 29 00-0319	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	3.26	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.85*	
26 05 29 00-0320	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	4.49	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.97*	
26 05 29 00-0321	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	4.52	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.97*	
26 05 29 00-0322	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	4.38	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.96*	
26 05 29 00-0323	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	4.49	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.97*	
26 05 29 00-0324	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	4.52	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.97*	

26 05 29 00-0325 Clips And Accessories *(26 05 29 00-0196)*

26 05 29 00-0326	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	2.30	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.55*	
26 05 29 00-0327	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.35	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.56*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0328		EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	2.53	
			For >50 To 100, Deduct	*-0.10*	
			For >100 To 250, Deduct	*-0.21*	
			For >250 To 500, Deduct	*-0.39*	
			For >500, Deduct	*-0.58*	
26 05 29 00-0329		EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	2.92	
			For >50 To 100, Deduct	*-0.11*	
			For >100 To 250, Deduct	*-0.23*	
			For >250 To 500, Deduct	*-0.42*	
			For >500, Deduct	*-0.62*	

26 05 29 00-0330 Wire Ties *(26 05 29 00-0196)*

Note: Per hundred (C).

26 05 29 00-0331		C	3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	32.95	
			For Up To 0.1, Add	*27.06*	
			For >0.1 To 0.25, Add	*13.53*	
			For >0.25 To 0.75, Add	*6.77*	
			For >2.0, Deduct	*-2.71*	
			For UV Black, Add	*0.88*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 29 00-0332		C	4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	33.18	
			For Up To 0.1, Add	*27.06*	
			For >0.1 To 0.25, Add	*13.53*	
			For >0.25 To 0.75, Add	*6.77*	
			For >2.0, Deduct	*-2.71*	
			For UV Black, Add	*0.92*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 29 00-0333		C	4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	33.34	
			For Up To 0.1, Add	*27.06*	
			For >0.1 To 0.25, Add	*13.53*	
			For >0.25 To 0.75, Add	*6.77*	
			For >2.0, Deduct	*-2.71*	
			For UV Black, Add	*0.94*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 29 00-0334		C	5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	33.41	
			For Up To 0.1, Add	*27.06*	
			For >0.1 To 0.25, Add	*13.53*	
			For >0.25 To 0.75, Add	*6.77*	
			For >2.0, Deduct	*-2.71*	
			For UV Black, Add	*0.95*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 29 00-0335		C	6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.65	
			For Up To 0.1, Add	*28.23*	
			For >0.1 To 0.25, Add	*14.12*	
			For >0.25 To 0.75, Add	*7.06*	
			For >2.0, Deduct	*-2.82*	
			For UV Black, Add	*0.96*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 29 00-0336		C	8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	40.91	
			For Up To 0.1, Add	*29.52*	
			For >0.1 To 0.25, Add	*14.76*	
			For >0.25 To 0.75, Add	*7.38*	
			For >2.0, Deduct	*-2.95*	
			For UV Black, Add	*1.71*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.86*	
26 05 29 00-0337		C	4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	39.27	
			For Up To 0.1, Add	*27.06*	
			For >0.1 To 0.25, Add	*13.53*	
			For >0.25 To 0.75, Add	*6.77*	
			For >2.0, Deduct	*-2.71*	
			For UV Black, Add	*1.83*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 29 00-0338		C	6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	40.54	
			For Up To 0.1, Add	*28.23*	
			For >0.1 To 0.25, Add	*14.12*	
			For >0.25 To 0.75, Add	*7.06*	
			For >2.0, Deduct	*-2.82*	
			For UV Black, Add	*1.85*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 29 00-0339		C	8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	41.89	
			For Up To 0.1, Add	*29.52*	
			For >0.1 To 0.25, Add	*14.76*	
			For >0.25 To 0.75, Add	*7.38*	
			For >2.0, Deduct	*-2.95*	
			For UV Black, Add	*1.86*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.86*	
26 05 29 00-0340		C	10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	60.36	
			For Up To 0.1, Add	*31.82*	
			For >0.1 To 0.25, Add	*15.91*	
			For >0.25 To 0.75, Add	*7.96*	
			For >2.0, Deduct	*-3.18*	
			For UV Black, Add	*4.28*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.55*	
26 05 29 00-0341		C	11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	62.94	
			For Up To 0.1, Add	*31.82*	
			For >0.1 To 0.25, Add	*15.91*	
			For >0.25 To 0.75, Add	*7.96*	
			For >2.0, Deduct	*-3.18*	
			For UV Black, Add	*4.67*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.55*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0342		C	7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	43.70	
			For Up To 0.1, Add	*29.52*	
			For >0.1 To 0.25, Add	*14.76*	
			For >0.25 To 0.75, Add	*7.38*	
			For >2.0, Deduct	*-2.95*	
			For UV Black, Add	*2.13*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.86*	
26 05 29 00-0343		C	8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	41.41	
			For Up To 0.1, Add	*29.52*	
			For >0.1 To 0.25, Add	*14.76*	
			For >0.25 To 0.75, Add	*7.38*	
			For >2.0, Deduct	*-2.95*	
			For UV Black, Add	*1.78*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.86*	
26 05 29 00-0344		C	11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	61.07	
			For Up To 0.1, Add	*31.82*	
			For >0.1 To 0.25, Add	*15.91*	
			For >0.25 To 0.75, Add	*7.96*	
			For >2.0, Deduct	*-3.18*	
			For UV Black, Add	*4.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.55*	
26 05 29 00-0345		C	14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	69.77	
			For Up To 0.1, Add	*33.81*	
			For >0.1 To 0.25, Add	*16.91*	
			For >0.25 To 0.75, Add	*8.45*	
			For >2.0, Deduct	*-3.38*	
			For UV Black, Add	*5.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.14*	
26 05 29 00-0346		C	8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	68.10	
			For Up To 0.1, Add	*29.52*	
			For >0.1 To 0.25, Add	*14.76*	
			For >0.25 To 0.75, Add	*7.38*	
			For >2.0, Deduct	*-2.95*	
			For UV Black, Add	*5.79*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.86*	
26 05 29 00-0347		C	11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	74.53	
			For Up To 0.1, Add	*31.82*	
			For >0.1 To 0.25, Add	*15.91*	
			For >0.25 To 0.75, Add	*7.96*	
			For >2.0, Deduct	*-3.18*	
			For UV Black, Add	*6.41*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.55*	
26 05 29 00-0348		C	15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	89.99	
			For Up To 0.1, Add	*33.81*	
			For >0.1 To 0.25, Add	*16.91*	
			For >0.25 To 0.75, Add	*8.45*	
			For >2.0, Deduct	*-3.38*	
			For UV Black, Add	*8.43*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.14*	
26 05 29 00-0349		C	17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	128.12	
			For Up To 0.1, Add	*36.07*	
			For >0.1 To 0.25, Add	*18.04*	
			For >0.25 To 0.75, Add	*9.02*	
			For >2.0, Deduct	*-3.61*	
			For UV Black, Add	*13.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 05 29 00-0350		C	17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	124.19	
			For Up To 0.1, Add	*36.07*	
			For >0.1 To 0.25, Add	*18.04*	
			For >0.25 To 0.75, Add	*9.02*	
			For >2.0, Deduct	*-3.61*	
			For UV Black, Add	*13.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 05 29 00-0351		C	21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	150.99	
			For Up To 0.1, Add	*37.75*	
			For >0.1 To 0.25, Add	*18.88*	
			For >0.25 To 0.75, Add	*9.44*	
			For >2.0, Deduct	*-3.78*	
			For UV Black, Add	*16.99*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.33*	
26 05 29 00-0352		C	30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	174.56	
			For Up To 0.1, Add	*39.59*	
			For >0.1 To 0.25, Add	*19.80*	
			For >0.25 To 0.75, Add	*9.90*	
			For >2.0, Deduct	*-3.96*	
			For UV Black, Add	*20.25*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.88*	
26 05 29 00-0353		C	46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	238.82	
			For Up To 0.1, Add	*42.71*	
			For >0.1 To 0.25, Add	*21.36*	
			For >0.25 To 0.75, Add	*10.68*	
			For >2.0, Deduct	*-4.27*	
			For UV Black, Add	*29.42*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.81*	
26 05 29 00-0354		C	3/4" x 3/4" Self Adhesive Tie Mounts	43.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.17*	
26 05 29 00-0355		C	1.1" x 1.1" Tie Mounts With Screw	86.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.35*	
26 05 29 00-0356		EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	2.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.20*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0357		EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	2.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.16*	
26 05 29 00-0358		EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	3.07	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.16*	
26 05 29 00-0359		EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	4.31	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.16*	
26 05 29 00-0360		EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll Note: Cut to length.	110.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.22*	

26 05 29 00-0361 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

26 05 29 00-0362 Toggle Bolts *(26 05 29 00-0361)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0363		EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	9.99	
			For >50 To 100, Deduct	*-0.96*	
			For >100 To 250, Deduct	*-1.92*	
			For >250 To 500, Deduct	*-3.35*	
			For >500, Deduct	*-4.79*	
26 05 29 00-0364		EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.27	
			For >50 To 100, Deduct	*-0.99*	
			For >100 To 250, Deduct	*-1.97*	
			For >250 To 500, Deduct	*-3.44*	
			For >500, Deduct	*-4.91*	
26 05 29 00-0365		EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	10.79	
			For >50 To 100, Deduct	*-1.02*	
			For >100 To 250, Deduct	*-2.03*	
			For >250 To 500, Deduct	*-3.55*	
			For >500, Deduct	*-5.06*	
26 05 29 00-0366		EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.05	
			For >50 To 100, Deduct	*-1.04*	
			For >100 To 250, Deduct	*-2.08*	
			For >250 To 500, Deduct	*-3.63*	
			For >500, Deduct	*-5.18*	
26 05 29 00-0367		EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.31	
			For >50 To 100, Deduct	*-1.06*	
			For >100 To 250, Deduct	*-2.13*	
			For >250 To 500, Deduct	*-3.71*	
			For >500, Deduct	*-5.30*	
26 05 29 00-0368		EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	12.68	
			For >50 To 100, Deduct	*-1.12*	
			For >100 To 250, Deduct	*-2.23*	
			For >250 To 500, Deduct	*-3.89*	
			For >500, Deduct	*-5.54*	
26 05 29 00-0369		EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.16	
			For >50 To 100, Deduct	*-1.15*	
			For >100 To 250, Deduct	*-2.29*	
			For >250 To 500, Deduct	*-3.98*	
			For >500, Deduct	*-5.68*	

26 05 29 00-0370 Machine Screws *(26 05 29 00-0361)*

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0371		EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.97	
			For >50 To 100, Deduct	*-0.29*	
			For >100 To 250, Deduct	*-0.58*	
			For >250 To 500, Deduct	*-1.01*	
			For >500, Deduct	*-1.45*	
26 05 29 00-0372		EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.01	
			For >50 To 100, Deduct	*-0.29*	
			For >100 To 250, Deduct	*-0.58*	
			For >250 To 500, Deduct	*-1.02*	
			For >500, Deduct	*-1.45*	
26 05 29 00-0373		EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.77	
			For >50 To 100, Deduct	*-0.37*	
			For >100 To 250, Deduct	*-0.73*	
			For >250 To 500, Deduct	*-1.28*	
			For >500, Deduct	*-1.82*	
26 05 29 00-0374		EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.92	
			For >50 To 100, Deduct	*-0.37*	
			For >100 To 250, Deduct	*-0.74*	
			For >250 To 500, Deduct	*-1.29*	
			For >500, Deduct	*-1.84*	
26 05 29 00-0375		EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.82	
			For >50 To 100, Deduct	*-0.44*	
			For >100 To 250, Deduct	*-0.89*	
			For >250 To 500, Deduct	*-1.55*	
			For >500, Deduct	*-2.21*	

26 05 29 00-0376 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0361)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0377		EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.71	
			For >50 To 100, Deduct	*-0.39*	
			For >100 To 250, Deduct	*-0.78*	
			For >250 To 500, Deduct	*-1.35*	
			For >500, Deduct	*-1.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0378	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.66	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.91*	
26 05 29 00-0379	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.49	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.37*	
26 05 29 00-0380	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	8.23	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.83*	

26 05 29 00-0381 Hanger Lag Bolts With Hex Nuts *(26 05 29 00-0361)*

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0382	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.54	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.51*	
26 05 29 00-0383	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.59	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.51*	
26 05 29 00-0384	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.23	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.71*	

26 05 29 00-0385 Hollow Wall Screw Anchors *(26 05 29 00-0361)*

26 05 29 00-0386	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.08	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.90*	
26 05 29 00-0387	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.14	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.90*	
26 05 29 00-0388	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.23	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.91*	
26 05 29 00-0389	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.81	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.09*	
26 05 29 00-0390	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.94	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.10*	
26 05 29 00-0391	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.98	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.10*	
26 05 29 00-0392	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.00	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.10*	
26 05 29 00-0393	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.18	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.12*	
26 05 29 00-0394	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.25	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.13*	

26 05 29 00-0395 Lead Screw Anchors *(26 05 29 00-0361)*

Note: Includes screw.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0396	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	4.90	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.26*	
26 05 29 00-0397	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.81	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.84*	
		For >500, Deduct	*-2.63*	
26 05 29 00-0398	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	7.81	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.37*	
		For >500, Deduct	*-3.38*	

26 05 29 00-0399 Acoustical T-Bar Clips *(26 05 29 00-0361)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0400	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	8.31	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-3.04*	
26 05 29 00-0401	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	8.71	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-3.20*	
26 05 29 00-0402	EA	1" Conduit, Push-In Acoustical T-Bar Clip	9.50	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-3.40*	

26 05 29 00-0403 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0404 Threaded Rod And Rod Accessories *(26 05 29 00-0403)*

26 05 29 00-0405 Carbon Steel Threaded Rod *(26 05 29 00-0404)*

Note: Includes plain finish.

26 05 29 00-0406	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.84	0.82
		For Galvanized, Add	*0.88*	
		For Zinc Coated, Add	*0.63*	
26 05 29 00-0407	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.24	0.87
		For Galvanized, Add	*1.40*	
		For Zinc Coated, Add	*1.00*	
26 05 29 00-0408	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.24	0.89
		For Galvanized, Add	*2.18*	
		For Zinc Coated, Add	*1.55*	
26 05 29 00-0409	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.74	0.92
		For Galvanized, Add	*3.96*	
		For Zinc Coated, Add	*2.82*	
26 05 29 00-0410	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.78	0.95
		For Galvanized, Add	*4.35*	
		For Zinc Coated, Add	*3.10*	
26 05 29 00-0411	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.44	1.07
		For Galvanized, Add	*6.11*	
		For Zinc Coated, Add	*4.35*	
26 05 29 00-0412	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.65	1.20
		For Galvanized, Add	*7.70*	
		For Zinc Coated, Add	*5.49*	

26 05 29 00-0413 Threaded Rod Couplings *(26 05 29 00-0404)*

26 05 29 00-0414	EA	3/8" Diameter, Threaded Rod Coupling Nut	10.19
26 05 29 00-0415	EA	1/2" Diameter, Threaded Rod Coupling Nut	11.53
26 05 29 00-0416	EA	5/8" Diameter, Threaded Rod Coupling Nut	14.22
26 05 29 00-0417	EA	3/4" Diameter, Threaded Rod Coupling Nut	17.12
26 05 29 00-0418	EA	7/8" Diameter, Threaded Rod Coupling Nut	24.46
26 05 29 00-0419	EA	1" Diameter, Threaded Rod Coupling Nut	28.99
26 05 29 00-0420	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	53.66

26 05 29 00-0421 Flat Washers *(26 05 29 00-0404)*

26 05 29 00-0422	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.87	0.32
		For Galvanized, Add	*0.03*	
26 05 29 00-0423	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.10	0.32
		For Galvanized, Add	*0.07*	
26 05 29 00-0424	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.41	0.32
		For Galvanized, Add	*0.14*	
26 05 29 00-0425	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.71	0.65
		For Galvanized, Add	*0.20*	
26 05 29 00-0426	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.91	0.65
		For Galvanized, Add	*0.24*	
26 05 29 00-0427	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.26	0.65
		For Galvanized, Add	*0.30*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0428		EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.53	0.65
			For Galvanized, Add	*0.33*	

26 05 29 00-0429 Malleable Iron Eye Sockets *(26 05 29 00-0404)*

Note: Type 16.

26 05 29 00-0430		EA	3/8" Rod Size, Malleable Iron Eye Socket	13.85	
26 05 29 00-0431		EA	1/2" Rod Size, Malleable Iron Eye Socket	16.67	
26 05 29 00-0432		EA	5/8" Rod Size, Malleable Iron Eye Socket	29.74	
26 05 29 00-0433		EA	3/4" Rod Size, Malleable Iron Eye Socket	42.76	
26 05 29 00-0434		EA	7/8" Rod Size, Malleable Iron Eye Socket	45.47	

26 05 29 00-0435 Hex Nuts *(26 05 29 00-0404)*

26 05 29 00-0436		EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.85	0.32
			For Galvanized, Add	*0.03*	
26 05 29 00-0437		EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.06	0.32
			For Galvanized, Add	*0.06*	
26 05 29 00-0438		EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.41	0.32
			For Galvanized, Add	*0.14*	
26 05 29 00-0439		EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.66	0.65
			For Galvanized, Add	*0.19*	
26 05 29 00-0440		EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.37	0.65
			For Galvanized, Add	*0.36*	
26 05 29 00-0441		EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.01	0.65
			For Galvanized, Add	*0.48*	
26 05 29 00-0442		EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.85	0.65
			For Galvanized, Add	*0.91*	

26 05 29 00-0443 Forged Steel Turnbuckles *(26 05 29 00-0404)*

Note: Type 13.

26 05 29 00-0444		EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	33.50	
26 05 29 00-0445		EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	41.68	
26 05 29 00-0446		EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	56.37	
26 05 29 00-0447		EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	70.04	
26 05 29 00-0448		EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	176.79	
26 05 29 00-0449		EA	1" Thread Diameter, Forged Steel Turnbuckle Body	115.55	
26 05 29 00-0450		EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	235.95	

26 05 29 00-0451 Attachments *(26 05 29 00-0403)*

26 05 29 00-0452 Welded Beam Attachments *(26 05 29 00-0451)*

Note: Type 22.

26 05 29 00-0453		EA	3/8" Rod Size, Welded Beam Attachment	61.13	12.97
26 05 29 00-0454		EA	1/2" Rod Size, Welded Beam Attachment	65.26	13.62
26 05 29 00-0455		EA	5/8" Rod Size, Welded Beam Attachment	69.50	14.39
26 05 29 00-0456		EA	3/4" Rod Size, Welded Beam Attachment	89.44	15.30
26 05 29 00-0457		EA	7/8" Rod Size, Welded Beam Attachment	107.84	16.20
26 05 29 00-0458		EA	1" Rod Size, Welded Beam Attachment	152.19	18.54
26 05 29 00-0459		EA	1-1/8" Rod Size, Welded Beam Attachment	217.18	19.45

26 05 29 00-0460 C-Clamp Style Beam Clamps *(26 05 29 00-0451)*

Note: Type 23. Top or bottom flange mount.

26 05 29 00-0461		EA	3/8" Rod Size, C-Clamp Style Beam Clamp	20.54	9.74
26 05 29 00-0462		EA	1/2" Rod Size, C-Clamp Style Beam Clamp	24.76	10.39
26 05 29 00-0463		EA	5/8" Rod Size, C-Clamp Style Beam Clamp	28.24	11.13
26 05 29 00-0464		EA	3/4" Rod Size, C-Clamp Style Beam Clamp	36.79	11.98
26 05 29 00-0465		EA	7/8" Rod Size, C-Clamp Style Beam Clamp	54.30	12.99

26 05 29 00-0466 Bottom Mount I-Beam Clamps *(26 05 29 00-0451)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

26 05 29 00-0467		EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	59.43	12.99
26 05 29 00-0468		EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	88.37	14.17
26 05 29 00-0469		EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	127.23	15.59
26 05 29 00-0470		EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	152.55	17.31
26 05 29 00-0471		EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	374.04	19.48

26 05 29 00-0472 Steel U-Bolts *(26 05 29 00-0451)*

Note: Type 24. Includes plate and nuts.

26 05 29 00-0473		EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	16.77	7.79
26 05 29 00-0474		EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	18.25	8.20
26 05 29 00-0475		EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	19.68	8.65
26 05 29 00-0476		EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	22.50	9.16
26 05 29 00-0477		EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	23.19	9.74
26 05 29 00-0478		EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	24.82	10.39
26 05 29 00-0479		EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	36.55	11.13
26 05 29 00-0480		EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	40.35	11.98
26 05 29 00-0481		EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	49.05	12.99

26 05 29 00-0482 Stainless Steel Threaded Rod *(26 05 29 00-0403)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0483	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.55	0.65
		For 316 Stainless Steel, Add	*0.92*	
26 05 29 00-0484	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.29	0.71
		For 316 Stainless Steel, Add	*1.56*	
26 05 29 00-0485	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.78	0.82
		For 316 Stainless Steel, Add	*2.09*	
26 05 29 00-0486	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.34	0.83
		For 316 Stainless Steel, Add	*3.10*	
26 05 29 00-0487	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.17	0.87
		For 316 Stainless Steel, Add	*3.82*	
26 05 29 00-0488	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.63	0.88
		For 316 Stainless Steel, Add	*6.02*	
26 05 29 00-0489	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	23.20	0.89
		For 316 Stainless Steel, Add	*8.67*	
26 05 29 00-0490	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	31.84	0.92
		For 316 Stainless Steel, Add	*12.15*	
26 05 29 00-0491	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.89	1.07
		For 316 Stainless Steel, Add	*15.68*	
26 05 29 00-0492	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	86.31	1.29
		For 316 Stainless Steel, Add	*33.86*	

26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Supports *(26 05 29)*

Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.

26 05 29 00-0494 Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0493)*

26 05 29 00-0495 Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0494)*

26 05 29 00-0496	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.08	25.93
26 05 29 00-0497	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.91	28.27
26 05 29 00-0498	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.94	31.11
26 05 29 00-0499	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	93.07	34.62
26 05 29 00-0500	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	107.35	38.90
26 05 29 00-0501	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	127.85	42.79
26 05 29 00-0502	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	139.79	46.68
26 05 29 00-0503	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	153.82	50.56
26 05 29 00-0504	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	162.62	54.45
26 05 29 00-0505	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	175.69	58.34

26 05 29 00-0506 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0494)*

26 05 29 00-0507	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	71.68	25.93
26 05 29 00-0508	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.03	28.27
26 05 29 00-0509	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	87.29	31.11
26 05 29 00-0510	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	96.39	34.62
26 05 29 00-0511	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	108.63	38.90
26 05 29 00-0512	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	125.65	42.79
26 05 29 00-0513	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	143.95	46.68
26 05 29 00-0514	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	159.34	50.56
26 05 29 00-0515	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	169.55	54.45
26 05 29 00-0516	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	176.61	58.34

26 05 29 00-0517 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0494)*

26 05 29 00-0518	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.89	25.67
26 05 29 00-0519	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	73.06	28.01
26 05 29 00-0520	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.64	31.11
26 05 29 00-0521	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	96.59	34.23
26 05 29 00-0522	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	124.96	38.90
26 05 29 00-0523	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	137.03	42.79

26 05 29 00-0524 Polyvinyl Chloride (PVC) Coated Conduit Straps *(26 05 29 00-0493)*

26 05 29 00-0525 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps *(26 05 29 00-0524)*

26 05 29 00-0526	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.85	0.78
26 05 29 00-0527	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.51	0.78
26 05 29 00-0528	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.45	0.78
26 05 29 00-0529	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.11	0.78
26 05 29 00-0530	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.85	0.78
26 05 29 00-0531	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.75	0.78
26 05 29 00-0532	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	39.59	0.78
26 05 29 00-0533	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	52.99	0.78
26 05 29 00-0534	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	93.68	0.78
26 05 29 00-0535	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	99.55	0.78

26 05 29 00-0536 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps *(26 05 29 00-0524)*

26 05 29 00-0537	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.49	1.55
26 05 29 00-0538	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.56	1.55
26 05 29 00-0539	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.96	1.55
26 05 29 00-0540	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.01	1.55
26 05 29 00-0541	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.56	1.55
26 05 29 00-0542	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	23.55	1.55
26 05 29 00-0543	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	26.46	1.55
26 05 29 00-0544	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.65	1.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0545	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.51	1.55
26 05 29 00-0546	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	31.99	1.55
26 05 29 00-0547		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0493)*		
26 05 29 00-0548		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0547)*		
26 05 29 00-0549	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.07	1.55
26 05 29 00-0550	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	16.33	1.55
26 05 29 00-0551	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	20.48	1.55
26 05 29 00-0552	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	23.91	1.55
26 05 29 00-0553	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	31.93	1.55
26 05 29 00-0554	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	56.54	1.55
26 05 29 00-0555	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	78.05	1.55
26 05 29 00-0556	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	106.49	1.55
26 05 29 00-0557	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	186.21	1.55
26 05 29 00-0558	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	186.21	1.55
26 05 29 00-0559		**Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0493)*		
26 05 29 00-0560		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0559)*		
26 05 29 00-0561	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	9.69	1.04
26 05 29 00-0562	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	11.92	1.16
26 05 29 00-0563		**Attachments** *(26 05 29 00-0493)*		
26 05 29 00-0564		**Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0563)*		
26 05 29 00-0565	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	19.81	7.79
26 05 29 00-0566	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	20.49	8.18
26 05 29 00-0567	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.58	8.70
26 05 29 00-0568	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.96	9.22
26 05 29 00-0569	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	24.45	9.74
26 05 29 00-0570	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	27.39	10.39
26 05 29 00-0571	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	38.91	11.17
26 05 29 00-0572	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	40.87	11.94
26 05 29 00-0573	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	43.59	12.99
26 05 29 00-0574	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	70.08	14.80
26 05 29 00-0575	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	86.66	17.14
26 05 29 00-0576		**Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps** *(26 05 29 00-0563)*		
26 05 29 00-0577	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	68.57	25.67
26 05 29 00-0578	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	79.54	25.67
26 05 29 00-0579	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	84.06	25.67
26 05 29 00-0580	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	92.56	27.23
26 05 29 00-0581	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	108.27	31.11
26 05 29 00-0582		**Polyvinyl Chloride (PVC) Coated Pipe Straps** *(26 05 29 00-0563)*		
		Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0583	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.07	8.56
26 05 29 00-0584	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	26.39	9.34
26 05 29 00-0585	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	28.75	10.11
26 05 29 00-0586	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	32.38	11.66
26 05 29 00-0587	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	37.06	13.23
26 05 29 00-0588	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	41.15	14.00
26 05 29 00-0589	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	45.47	15.56
26 05 29 00-0590	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	53.98	17.12
26 05 29 00-0591	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	58.96	17.90
26 05 29 00-0592	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	62.00	19.45
26 05 29 00-0593	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	66.33	21.78
26 05 29 00-0594		**Polyvinyl Chloride (PVC) Coated Channel** *(26 05 29 00-0493)*		
26 05 29 00-0595	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	25.58	3.89
26 05 29 00-0596	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	45.19	5.44
26 05 29 00-0597	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	27.29	3.89
26 05 29 00-0598	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	20.32	3.89
26 05 29 00-0599	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	21.38	3.89
26 05 29 00-0600		**Polymer Concrete Pads** *(26 05 29)*		
		Note: Excludes excavation and backfill.		
26 05 29 00-0601		**Polymer Concrete, Box Pads** *(26 05 29 00-0600)*		
26 05 29 00-0602	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,419.35	132.50
26 05 29 00-0603	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,467.04	132.50
26 05 29 00-0604	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,905.35	132.50
26 05 29 00-0605	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,978.03	132.50
26 05 29 00-0606	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,837.70	132.50
26 05 29 00-0607	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,180.90	132.50
26 05 29 00-0608	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,444.06	132.50
26 05 29 00-0609	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,338.20	165.63
26 05 29 00-0610	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,567.76	165.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0611	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,803.40	165.63
26 05 29 00-0612		**Polymer Concrete, Telecommunications Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0613	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	678.10	69.24
26 05 29 00-0614	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	808.40	69.24
26 05 29 00-0615	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,052.96	99.38
26 05 29 00-0616	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,101.39	99.38
26 05 29 00-0617	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,594.36	99.38
26 05 29 00-0618	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,662.88	99.38
26 05 29 00-0619	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,790.55	99.38
26 05 29 00-0620	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,790.55	99.38
26 05 29 00-0621	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,394.45	99.38
26 05 29 00-0622	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,852.11	99.38
26 05 29 00-0623		**Polymer Concrete, Electrical Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0624	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	402.13	69.24
26 05 29 00-0625	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	435.62	69.24
26 05 29 00-0626	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	466.14	69.24
26 05 29 00-0627	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	567.49	69.24
26 05 29 00-0628	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	522.26	69.24
26 05 29 00-0629	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	543.58	69.24
26 05 29 00-0630	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	598.83	69.24
26 05 29 00-0631	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	631.06	69.24
26 05 29 00-0632	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	738.71	69.24
26 05 29 00-0633	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	916.02	69.24
26 05 29 00-0634	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,356.87	99.38
26 05 29 00-0635	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,421.67	99.38
26 05 29 00-0636	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,442.12	99.38
26 05 29 00-0637	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,578.36	99.38
26 05 29 00-0638	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,400.60	99.38
26 05 29 00-0639	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	4,010.97	99.38

26 05 33 Raceway and Boxes for Electrical Systems *(26 05)*

26 05 33 13 Conduit for Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies With Wire *(26 05 33 13)*

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0561 for larger copper conducter, 26 05 33 13-0599 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	958.93	289.52
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*248.20*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,049.10	314.40
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*269.52*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,139.27	339.28
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*290.84*	
		For 4 #12 THWN Conductor Instead Of THHN, Add	*3.82*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,013.66	301.96
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*258.86*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,125.27	330.98
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*283.74*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conducter	1,236.87	360.00
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*308.61*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,136.82	326.84
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*280.19*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*4.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,062.02	312.14
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*267.53*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,152.19	337.02
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*288.86*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,242.36	361.90
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*310.18*	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,332.53	386.78
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*331.50*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,116.74	324.58
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*278.19*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,228.35	353.61
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*303.07*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,339.97	382.63
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*327.95*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,451.56	411.65
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*352.82*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,396.44	386.78
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*331.50*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,552.99	424.09
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*363.49*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*9.99*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,397.46	374.34
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*320.84*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*8.26*	
26 05 33 13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,610.32	419.95
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*359.93*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,203.50	335.96
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*288.00*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,293.67	360.83
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*309.32*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,383.85	385.71
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*330.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,474.02	410.58
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*351.97*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,258.22	348.40
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*298.66*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,369.83	377.42
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*323.54*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,481.45	406.43
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*348.42*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,593.05	435.46
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*373.29*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,537.93	410.58
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*351.97*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,751.80	443.75
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*380.40*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,964.67	489.36
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*419.49*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*16.51*	

26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0561 for larger copper conducter, 26 05 33 13-0060 for larger RGS conduit.

26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,266.80	329.55
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*282.46*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,356.96	354.43
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*303.78*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,321.51	341.99
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*293.12*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,433.13	371.02
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*318.00*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,444.67	366.87
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*314.44*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*4.99*	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,391.93	351.47
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*301.22*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,482.10	376.35
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*322.55*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0041		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,572.27	401.22
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*343.87*	
26 05 33 13-0042		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,446.65	363.91
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*311.88*	
			For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0043		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,558.26	392.93
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*336.76*	
			For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0044		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,669.87	421.95
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*361.64*	
			For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0045		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,726.35	426.10
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*365.19*	
			For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0046		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,882.89	463.42
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*397.17*	
			For 4 #8 THWN Conductor Instead Of THHN, Add	*9.99*	
26 05 33 13-0047		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,727.38	413.66
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*354.53*	
			For 2 #6 THWN Conductor Instead Of THHN, Add	*8.26*	
26 05 33 13-0048		CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,940.22	459.27
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*393.62*	
			For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0049		CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,786.98	419.71
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*359.75*	
			For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0050		CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,877.16	444.59
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*381.08*	
26 05 33 13-0051		CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,967.31	469.45
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*402.40*	
			For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0052		CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,863.14	436.29
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*373.97*	
			For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0053		CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,974.75	465.31
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*398.85*	
			For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0054		CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,086.35	494.33
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*423.72*	
			For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0055		CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	2,031.22	469.45
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*402.40*	
			For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0056		CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,245.11	502.62
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*430.83*	
			For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0057		CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,457.96	548.23
			Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	*469.92*	
			For 4 #6 THWN Conductor Instead Of THHN, Add	*16.51*	

26 05 33 13-0058 **Conduit** *(26 05 33 13)*

Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0059 **Conduit Installed Above Grade** *(26 05 33 13-0058)*

See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0060		**Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit** *(26 05 33 13-0059)* Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0061		**Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling** *(26 05 33 13-0060)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0062	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.08	2.61
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.30*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.28*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.26*	
		For Elevated Installation >40', Add	*3.59*	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.75*	
		For Installation In Metal Stud Wall, Add	*0.65*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.63*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.98*	
26 05 33 13-0063	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.74	2.85
		For Work In Restricted Working Space, Add	*2.27*	
		For Elevated Installation >10' To 15', Add	*0.76*	
		For Elevated Installation >15' To 20', Add	*1.52*	
		For Elevated Installation >20' To 25', Add	*1.90*	
		For Elevated Installation >25' To 30', Add	*2.65*	
		For Elevated Installation >30' To 35', Add	*3.03*	
		For Elevated Installation >35' To 40', Add	*3.79*	
		For Elevated Installation >40', Add	*4.17*	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000, Deduct	*-0.88*	
		For Installation In Metal Stud Wall, Add	*0.76*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.90*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.14*	
26 05 33 13-0064	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.06	3.32
		For Work In Restricted Working Space, Add	*3.05*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.04*	
		For Elevated Installation >20' To 25', Add	*2.55*	
		For Elevated Installation >25' To 30', Add	*3.56*	
		For Elevated Installation >30' To 35', Add	*4.07*	
		For Elevated Installation >35' To 40', Add	*5.09*	
		For Elevated Installation >40', Add	*5.60*	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.25*	
		For Installation In Metal Stud Wall, Add	*1.02*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.55*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.53*	
26 05 33 13-0065	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.29	3.79
		For Work In Restricted Working Space, Add	*3.23*	
		For Elevated Installation >10' To 15', Add	*1.08*	
		For Elevated Installation >15' To 20', Add	*2.16*	
		For Elevated Installation >20' To 25', Add	*2.70*	
		For Elevated Installation >25' To 30', Add	*3.77*	
		For Elevated Installation >30' To 35', Add	*4.31*	
		For Elevated Installation >35' To 40', Add	*5.39*	
		For Elevated Installation >40', Add	*5.93*	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.46*	
		For Installation In Metal Stud Wall, Add	*1.08*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.70*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.62*	
26 05 33 13-0066	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	19.83	4.26
		For Work In Restricted Working Space, Add	*3.56*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.96*	
		For Elevated Installation >25' To 30', Add	*4.15*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.93*	
		For Elevated Installation >40', Add	*6.52*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-1.19*	
		For >1,000, Deduct	*-1.69*	
		For Installation In Metal Stud Wall, Add	*1.19*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.96*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0067	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	25.24	5.21
		For Work In Restricted Working Space, Add	*4.37*	
		For Elevated Installation >10' To 15', Add	*1.46*	
		For Elevated Installation >15' To 20', Add	*2.91*	
		For Elevated Installation >20' To 25', Add	*3.64*	
		For Elevated Installation >25' To 30', Add	*5.10*	
		For Elevated Installation >30' To 35', Add	*5.83*	
		For Elevated Installation >35' To 40', Add	*7.29*	
		For Elevated Installation >40', Add	*8.01*	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-1.53*	
		For >1,000, Deduct	*-2.16*	
		For Installation In Metal Stud Wall, Add	*1.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.64*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.19*	
26 05 33 13-0068	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	37.47	7.11
		For Work In Restricted Working Space, Add	*5.94*	
		For Elevated Installation >10' To 15', Add	*1.98*	
		For Elevated Installation >15' To 20', Add	*3.96*	
		For Elevated Installation >20' To 25', Add	*4.95*	
		For Elevated Installation >25' To 30', Add	*6.93*	
		For Elevated Installation >30' To 35', Add	*7.92*	
		For Elevated Installation >35' To 40', Add	*9.90*	
		For Elevated Installation >40', Add	*10.88*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.25*	
		For Installation In Metal Stud Wall, Add	*1.98*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.95*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.97*	
26 05 33 13-0069	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	49.15	9.47
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.66*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-4.25*	
		For Installation In Metal Stud Wall, Add	*2.67*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.66*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.00*	
26 05 33 13-0070	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	59.08	11.85
		For Work In Restricted Working Space, Add	*9.49*	
		For Elevated Installation >10' To 15', Add	*3.16*	
		For Elevated Installation >15' To 20', Add	*6.33*	
		For Elevated Installation >20' To 25', Add	*7.91*	
		For Elevated Installation >25' To 30', Add	*11.07*	
		For Elevated Installation >30' To 35', Add	*12.65*	
		For Elevated Installation >35' To 40', Add	*15.82*	
		For Elevated Installation >40', Add	*17.40*	
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000, Deduct	*-5.12*	
		For Installation In Metal Stud Wall, Add	*3.16*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.91*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.74*	
26 05 33 13-0071	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	70.02	14.21
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.12*	
		For Elevated Installation >25' To 30', Add	*12.77*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.25*	
		For Elevated Installation >40', Add	*20.07*	
		For >250 To 500, Deduct	*-1.68*	
		For >500 To 1,000, Deduct	*-4.34*	
		For >1,000, Deduct	*-6.09*	
		For Installation In Metal Stud Wall, Add	*3.65*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*9.12*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*5.47*	
26 05 33 13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	109.75	18.00
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.00*	
		For Elevated Installation >20' To 25', Add	*11.26*	
		For Elevated Installation >25' To 30', Add	*15.76*	
		For Elevated Installation >30' To 35', Add	*18.01*	
		For Elevated Installation >35' To 40', Add	*22.51*	
		For Elevated Installation >40', Add	*24.76*	
		For >250 To 500, Deduct	*-3.24*	
		For >500 To 1,000, Deduct	*-7.11*	
		For >1,000, Deduct	*-9.85*	
		For Installation In Metal Stud Wall, Add	*4.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*11.26*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*6.75*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	147.86	22.74
		For Work In Restricted Working Space, Add	*17.06*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.37*	
		For Elevated Installation >20' To 25', Add	*14.22*	
		For Elevated Installation >25' To 30', Add	*19.90*	
		For Elevated Installation >30' To 35', Add	*22.75*	
		For Elevated Installation >35' To 40', Add	*28.44*	
		For Elevated Installation >40', Add	*31.28*	
		For >250 To 500, Deduct	*-4.55*	
		For >500 To 1,000, Deduct	*-9.67*	
		For >1,000, Deduct	*-13.36*	
		For Installation In Metal Stud Wall, Add	*5.69*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*14.22*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*8.53*	

26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	35.17	11.73
		For Work In Restricted Working Space, Add	*8.82*	
		For Elevated Installation >10' To 15', Add	*2.94*	
		For Elevated Installation >15' To 20', Add	*5.88*	
		For Elevated Installation >20' To 25', Add	*7.35*	
		For Elevated Installation >25' To 30', Add	*10.29*	
		For Elevated Installation >30' To 35', Add	*11.76*	
		For Elevated Installation >35' To 40', Add	*14.71*	
		For Elevated Installation >40', Add	*16.18*	
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	44.17	14.57
		For Work In Restricted Working Space, Add	*10.97*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.80*	
		For Elevated Installation >30' To 35', Add	*14.63*	
		For Elevated Installation >35' To 40', Add	*18.29*	
		For Elevated Installation >40', Add	*20.11*	
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	56.29	17.89
		For Work In Restricted Working Space, Add	*13.38*	
		For Elevated Installation >10' To 15', Add	*4.46*	
		For Elevated Installation >15' To 20', Add	*8.92*	
		For Elevated Installation >20' To 25', Add	*11.15*	
		For Elevated Installation >25' To 30', Add	*15.61*	
		For Elevated Installation >30' To 35', Add	*17.84*	
		For Elevated Installation >35' To 40', Add	*22.30*	
		For Elevated Installation >40', Add	*24.53*	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	71.77	20.73
		For Work In Restricted Working Space, Add	*15.53*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.36*	
		For Elevated Installation >20' To 25', Add	*12.95*	
		For Elevated Installation >25' To 30', Add	*18.12*	
		For Elevated Installation >30' To 35', Add	*20.71*	
		For Elevated Installation >35' To 40', Add	*25.89*	
		For Elevated Installation >40', Add	*28.48*	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	83.27	23.81
		For Work In Restricted Working Space, Add	*17.83*	
		For Elevated Installation >10' To 15', Add	*5.94*	
		For Elevated Installation >15' To 20', Add	*11.89*	
		For Elevated Installation >20' To 25', Add	*14.86*	
		For Elevated Installation >25' To 30', Add	*20.80*	
		For Elevated Installation >30' To 35', Add	*23.77*	
		For Elevated Installation >35' To 40', Add	*29.72*	
		For Elevated Installation >40', Add	*32.69*	
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	98.16	26.18
		For Work In Restricted Working Space, Add	*19.61*	
		For Elevated Installation >10' To 15', Add	*6.54*	
		For Elevated Installation >15' To 20', Add	*13.08*	
		For Elevated Installation >20' To 25', Add	*16.35*	
		For Elevated Installation >25' To 30', Add	*22.88*	
		For Elevated Installation >30' To 35', Add	*26.15*	
		For Elevated Installation >35' To 40', Add	*32.69*	
		For Elevated Installation >40', Add	*35.96*	
26 05 33 13-0081	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	140.14	32.70
		For Work In Restricted Working Space, Add	*24.52*	
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	
26 05 33 13-0082	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	198.31	44.55
		For Work In Restricted Working Space, Add	*33.40*	
		For Elevated Installation >10' To 15', Add	*11.13*	
		For Elevated Installation >15' To 20', Add	*22.27*	
		For Elevated Installation >20' To 25', Add	*27.84*	
		For Elevated Installation >25' To 30', Add	*38.97*	
		For Elevated Installation >30' To 35', Add	*44.54*	
		For Elevated Installation >35' To 40', Add	*55.67*	
		For Elevated Installation >40', Add	*61.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0083	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	261.55	50.23
		For Work In Restricted Working Space, Add	*37.68*	
		For Elevated Installation >10' To 15', Add	*12.56*	
		For Elevated Installation >15' To 20', Add	*25.12*	
		For Elevated Installation >20' To 25', Add	*31.40*	
		For Elevated Installation >25' To 30', Add	*43.96*	
		For Elevated Installation >30' To 35', Add	*50.24*	
		For Elevated Installation >35' To 40', Add	*62.80*	
		For Elevated Installation >40', Add	*69.07*	
26 05 33 13-0084	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	320.13	65.40
		For Work In Restricted Working Space, Add	*49.03*	
		For Elevated Installation >10' To 15', Add	*16.34*	
		For Elevated Installation >15' To 20', Add	*32.69*	
		For Elevated Installation >20' To 25', Add	*40.86*	
		For Elevated Installation >25' To 30', Add	*57.20*	
		For Elevated Installation >30' To 35', Add	*65.38*	
		For Elevated Installation >35' To 40', Add	*81.72*	
		For Elevated Installation >40', Add	*89.89*	
26 05 33 13-0085	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	523.65	106.61
		For Work In Restricted Working Space, Add	*79.97*	
		For Elevated Installation >10' To 15', Add	*26.66*	
		For Elevated Installation >15' To 20', Add	*53.31*	
		For Elevated Installation >20' To 25', Add	*66.64*	
		For Elevated Installation >25' To 30', Add	*93.29*	
		For Elevated Installation >30' To 35', Add	*106.62*	
		For Elevated Installation >35' To 40', Add	*133.28*	
		For Elevated Installation >40', Add	*146.60*	
26 05 33 13-0086	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	787.22	160.16
		For Work In Restricted Working Space, Add	*120.11*	
		For Elevated Installation >10' To 15', Add	*40.04*	
		For Elevated Installation >15' To 20', Add	*80.07*	
		For Elevated Installation >20' To 25', Add	*100.09*	
		For Elevated Installation >25' To 30', Add	*140.13*	
		For Elevated Installation >30' To 35', Add	*160.15*	
		For Elevated Installation >35' To 40', Add	*200.19*	
		For Elevated Installation >40', Add	*220.20*	

26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0088	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	35.17	11.73
		For Work In Restricted Working Space, Add	*8.82*	
		For Elevated Installation >10' To 15', Add	*2.94*	
		For Elevated Installation >15' To 20', Add	*5.88*	
		For Elevated Installation >20' To 25', Add	*7.35*	
		For Elevated Installation >25' To 30', Add	*10.29*	
		For Elevated Installation >30' To 35', Add	*11.76*	
		For Elevated Installation >35' To 40', Add	*14.71*	
		For Elevated Installation >40', Add	*16.18*	
26 05 33 13-0089	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	44.17	14.57
		For Work In Restricted Working Space, Add	*10.97*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.80*	
		For Elevated Installation >30' To 35', Add	*14.63*	
		For Elevated Installation >35' To 40', Add	*18.29*	
		For Elevated Installation >40', Add	*20.11*	
26 05 33 13-0090	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	56.29	17.89
		For Work In Restricted Working Space, Add	*13.38*	
		For Elevated Installation >10' To 15', Add	*4.46*	
		For Elevated Installation >15' To 20', Add	*8.92*	
		For Elevated Installation >20' To 25', Add	*11.15*	
		For Elevated Installation >25' To 30', Add	*15.61*	
		For Elevated Installation >30' To 35', Add	*17.84*	
		For Elevated Installation >35' To 40', Add	*22.30*	
		For Elevated Installation >40', Add	*24.53*	
26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	71.77	20.73
		For Work In Restricted Working Space, Add	*15.53*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.36*	
		For Elevated Installation >20' To 25', Add	*12.95*	
		For Elevated Installation >25' To 30', Add	*18.12*	
		For Elevated Installation >30' To 35', Add	*20.71*	
		For Elevated Installation >35' To 40', Add	*25.89*	
		For Elevated Installation >40', Add	*28.48*	
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	83.28	23.81
		For Work In Restricted Working Space, Add	*17.83*	
		For Elevated Installation >10' To 15', Add	*5.94*	
		For Elevated Installation >15' To 20', Add	*11.89*	
		For Elevated Installation >20' To 25', Add	*14.86*	
		For Elevated Installation >25' To 30', Add	*20.80*	
		For Elevated Installation >30' To 35', Add	*23.77*	
		For Elevated Installation >35' To 40', Add	*29.72*	
		For Elevated Installation >40', Add	*32.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	98.16	26.18
		For Work In Restricted Working Space, Add	*19.61*	
		For Elevated Installation >10' To 15', Add	*6.54*	
		For Elevated Installation >15' To 20', Add	*13.08*	
		For Elevated Installation >20' To 25', Add	*16.35*	
		For Elevated Installation >25' To 30', Add	*22.88*	
		For Elevated Installation >30' To 35', Add	*26.15*	
		For Elevated Installation >35' To 40', Add	*32.69*	
		For Elevated Installation >40', Add	*35.96*	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	137.77	32.70
		For Work In Restricted Working Space, Add	*24.52*	
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	189.07	44.55
		For Work In Restricted Working Space, Add	*33.40*	
		For Elevated Installation >10' To 15', Add	*11.13*	
		For Elevated Installation >15' To 20', Add	*22.27*	
		For Elevated Installation >20' To 25', Add	*27.84*	
		For Elevated Installation >25' To 30', Add	*38.97*	
		For Elevated Installation >30' To 35', Add	*44.54*	
		For Elevated Installation >35' To 40', Add	*55.67*	
		For Elevated Installation >40', Add	*61.24*	
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	248.56	50.23
		For Work In Restricted Working Space, Add	*37.68*	
		For Elevated Installation >10' To 15', Add	*12.56*	
		For Elevated Installation >15' To 20', Add	*25.12*	
		For Elevated Installation >20' To 25', Add	*31.40*	
		For Elevated Installation >25' To 30', Add	*43.96*	
		For Elevated Installation >30' To 35', Add	*50.24*	
		For Elevated Installation >35' To 40', Add	*62.80*	
		For Elevated Installation >40', Add	*69.07*	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	302.85	65.40
		For Work In Restricted Working Space, Add	*49.03*	
		For Elevated Installation >10' To 15', Add	*16.34*	
		For Elevated Installation >15' To 20', Add	*32.69*	
		For Elevated Installation >20' To 25', Add	*40.86*	
		For Elevated Installation >25' To 30', Add	*57.20*	
		For Elevated Installation >30' To 35', Add	*65.38*	
		For Elevated Installation >35' To 40', Add	*81.72*	
		For Elevated Installation >40', Add	*89.89*	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	523.65	106.61
		For Work In Restricted Working Space, Add	*79.97*	
		For Elevated Installation >10' To 15', Add	*26.66*	
		For Elevated Installation >15' To 20', Add	*53.31*	
		For Elevated Installation >20' To 25', Add	*66.64*	
		For Elevated Installation >25' To 30', Add	*93.29*	
		For Elevated Installation >30' To 35', Add	*106.62*	
		For Elevated Installation >35' To 40', Add	*133.28*	
		For Elevated Installation >40', Add	*146.60*	
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	787.22	160.16
		For Work In Restricted Working Space, Add	*120.11*	
		For Elevated Installation >10' To 15', Add	*40.04*	
		For Elevated Installation >15' To 20', Add	*80.07*	
		For Elevated Installation >20' To 25', Add	*100.09*	
		For Elevated Installation >25' To 30', Add	*140.13*	
		For Elevated Installation >30' To 35', Add	*160.15*	
		For Elevated Installation >35' To 40', Add	*200.19*	
		For Elevated Installation >40', Add	*220.20*	

26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0101	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	86.36	29.26
		For Work In Restricted Working Space, Add	*17.56*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
26 05 33 13-0102	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	99.54	33.88
		For Work In Restricted Working Space, Add	*20.33*	
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0103	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	115.07	38.50
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
26 05 33 13-0104	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	129.56	42.35
		For Work In Restricted Working Space, Add	*25.41*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	

26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0106	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	93.59	29.26
		For Work In Restricted Working Space, Add	*17.56*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
26 05 33 13-0107	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	108.82	33.88
		For Work In Restricted Working Space, Add	*20.33*	
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
26 05 33 13-0108	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	119.30	38.50
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
26 05 33 13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	134.28	42.35
		For Work In Restricted Working Space, Add	*25.41*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
26 05 33 13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	178.22	53.13
		For Work In Restricted Working Space, Add	*31.88*	
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	239.93	72.38
		For Work In Restricted Working Space, Add	*43.43*	
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	

26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	93.93	29.26
		For Work In Restricted Working Space, Add	*17.56*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	107.91	33.88
		For Work In Restricted Working Space, Add	*20.33*	
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	123.87	38.50
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	144.51	42.35
		For Work In Restricted Working Space, Add	*25.41*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	187.75	53.13
		For Work In Restricted Working Space, Add	*31.88*	
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	247.62	72.38
		For Work In Restricted Working Space, Add	*43.43*	
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	308.63	81.62
		For Work In Restricted Working Space, Add	*48.97*	
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	374.96	106.26
		For Work In Restricted Working Space, Add	*63.75*	
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	

26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	105.44	29.26
		For Work In Restricted Working Space, Add	*17.56*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	119.20	33.88
		For Work In Restricted Working Space, Add	*20.33*	
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	132.33	38.50
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	156.98	42.35
		For Work In Restricted Working Space, Add	*25.41*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	204.76	53.13
		For Work In Restricted Working Space, Add	*31.88*	
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	274.28	72.38
		For Work In Restricted Working Space, Add	*43.43*	
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	334.55	81.62
		For Work In Restricted Working Space, Add	*48.97*	
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
26 05 33 13-0129	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	395.63	106.26
		For Work In Restricted Working Space, Add	*63.75*	
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	

26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0131	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	104.74	29.26
		For Work In Restricted Working Space, Add	*17.56*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
26 05 33 13-0132	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	127.60	33.88
		For Work In Restricted Working Space, Add	*20.33*	
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
26 05 33 13-0133	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	141.43	38.50
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0134	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	168.87	42.35
		For Work In Restricted Working Space, Add	*25.41*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
26 05 33 13-0135	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	221.08	53.13
		For Work In Restricted Working Space, Add	*31.88*	
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
26 05 33 13-0136	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	295.34	72.38
		For Work In Restricted Working Space, Add	*43.43*	
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
26 05 33 13-0137	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	360.18	81.62
		For Work In Restricted Working Space, Add	*48.97*	
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
26 05 33 13-0138	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	433.56	106.26
		For Work In Restricted Working Space, Add	*63.75*	
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	630.43	173.25
		For Work In Restricted Working Space, Add	*103.95*	
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	

26 05 33 13-0140 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	110.89	29.26
		For Work In Restricted Working Space, Add	*17.56*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	131.74	33.88
		For Work In Restricted Working Space, Add	*20.33*	
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	157.36	38.50
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	178.15	42.35
		For Work In Restricted Working Space, Add	*25.41*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	240.43	53.13
		For Work In Restricted Working Space, Add	*31.88*	
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	313.35	72.38
		For Work In Restricted Working Space, Add	*43.43*	
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	393.28	81.62
		For Work In Restricted Working Space, Add	*48.97*	
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	451.41	106.26
		For Work In Restricted Working Space, Add	*63.75*	
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
26 05 33 13-0149	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	776.04	173.25
		For Work In Restricted Working Space, Add	*103.95*	
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
26 05 33 13-0150	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	992.42	260.26
		For Work In Restricted Working Space, Add	*156.16*	
		For Elevated Installation >10' To 15', Add	*52.05*	
		For Elevated Installation >15' To 20', Add	*104.10*	
		For Elevated Installation >20' To 25', Add	*130.13*	
		For Elevated Installation >25' To 30', Add	*182.18*	
		For Elevated Installation >30' To 35', Add	*208.21*	
		For Elevated Installation >35' To 40', Add	*260.26*	
		For Elevated Installation >40', Add	*286.29*	

26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	119.90	29.26
		For Work In Restricted Working Space, Add	*17.56*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	142.74	33.88
		For Work In Restricted Working Space, Add	*20.33*	
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	169.06	38.50
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	190.38	42.35
		For Work In Restricted Working Space, Add	*25.41*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	255.23	53.13
		For Work In Restricted Working Space, Add	*31.88*	
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	339.73	72.38
		For Work In Restricted Working Space, Add	*43.43*	
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	419.74	81.62
		For Work In Restricted Working Space, Add	*48.97*	
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	527.55	106.26
		For Work In Restricted Working Space, Add	*63.75*	
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	881.08	173.25
		For Work In Restricted Working Space, Add	*103.95*	
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,083.38	260.26
		For Work In Restricted Working Space, Add	*156.16*	
		For Elevated Installation >10' To 15', Add	*52.05*	
		For Elevated Installation >15' To 20', Add	*104.10*	
		For Elevated Installation >20' To 25', Add	*130.13*	
		For Elevated Installation >25' To 30', Add	*182.18*	
		For Elevated Installation >30' To 35', Add	*208.21*	
		For Elevated Installation >35' To 40', Add	*260.26*	
		For Elevated Installation >40', Add	*286.29*	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	127.40	29.26
		For Work In Restricted Working Space, Add	*17.56*	
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0164	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	151.22	33.88
		For Work In Restricted Working Space, Add	*20.33*	
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
26 05 33 13-0165	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	176.45	38.50
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
26 05 33 13-0166	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	213.22	42.35
		For Work In Restricted Working Space, Add	*25.41*	
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
26 05 33 13-0167	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	282.53	53.13
		For Work In Restricted Working Space, Add	*31.88*	
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
26 05 33 13-0168	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	366.32	72.38
		For Work In Restricted Working Space, Add	*43.43*	
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
26 05 33 13-0169	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	453.01	81.62
		For Work In Restricted Working Space, Add	*48.97*	
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
26 05 33 13-0170	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	567.97	106.26
		For Work In Restricted Working Space, Add	*63.75*	
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
26 05 33 13-0171	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	913.97	173.25
		For Work In Restricted Working Space, Add	*103.95*	
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
26 05 33 13-0172	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,101.78	260.26
		For Work In Restricted Working Space, Add	*156.16*	
		For Elevated Installation >10' To 15', Add	*52.05*	
		For Elevated Installation >15' To 20', Add	*104.10*	
		For Elevated Installation >20' To 25', Add	*130.13*	
		For Elevated Installation >25' To 30', Add	*182.18*	
		For Elevated Installation >30' To 35', Add	*208.21*	
		For Elevated Installation >35' To 40', Add	*260.26*	
		For Elevated Installation >40', Add	*286.29*	

26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0174	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	15.52	7.55
		For Work In Restricted Working Space, Add	*4.53*	
		For Elevated Installation >10' To 15', Add	*1.51*	
		For Elevated Installation >15' To 20', Add	*3.02*	
		For Elevated Installation >20' To 25', Add	*3.78*	
		For Elevated Installation >25' To 30', Add	*5.29*	
		For Elevated Installation >30' To 35', Add	*6.04*	
		For Elevated Installation >35' To 40', Add	*7.56*	
		For Elevated Installation >40', Add	*8.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.53*	
26 05 33 13-0175	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	16.65	8.06
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.22*	
		For Elevated Installation >20' To 25', Add	*4.03*	
		For Elevated Installation >25' To 30', Add	*5.64*	
		For Elevated Installation >30' To 35', Add	*6.44*	
		For Elevated Installation >35' To 40', Add	*8.06*	
		For Elevated Installation >40', Add	*8.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0176	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	18.93	9.06
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15', Add	*1.81*	
		For Elevated Installation >15' To 20', Add	*3.62*	
		For Elevated Installation >20' To 25', Add	*4.53*	
		For Elevated Installation >25' To 30', Add	*6.34*	
		For Elevated Installation >30' To 35', Add	*7.25*	
		For Elevated Installation >35' To 40', Add	*9.06*	
		For Elevated Installation >40', Add	*9.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0177	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	21.32	10.07
		For Work In Restricted Working Space, Add	*6.04*	
		For Elevated Installation >10' To 15', Add	*2.01*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.05*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.07*	
		For Elevated Installation >40', Add	*11.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 05 33 13-0178	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	26.78	12.59
		For Work In Restricted Working Space, Add	*7.55*	
		For Elevated Installation >10' To 15', Add	*2.52*	
		For Elevated Installation >15' To 20', Add	*5.03*	
		For Elevated Installation >20' To 25', Add	*6.29*	
		For Elevated Installation >25' To 30', Add	*8.81*	
		For Elevated Installation >30' To 35', Add	*10.07*	
		For Elevated Installation >35' To 40', Add	*12.59*	
		For Elevated Installation >40', Add	*13.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.55*	
26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	33.20	15.11
		For Work In Restricted Working Space, Add	*9.06*	
		For Elevated Installation >10' To 15', Add	*3.02*	
		For Elevated Installation >15' To 20', Add	*6.04*	
		For Elevated Installation >20' To 25', Add	*7.55*	
		For Elevated Installation >25' To 30', Add	*10.57*	
		For Elevated Installation >30' To 35', Add	*12.08*	
		For Elevated Installation >35' To 40', Add	*15.11*	
		For Elevated Installation >40', Add	*16.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.06*	
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	41.84	17.62
		For Work In Restricted Working Space, Add	*10.57*	
		For Elevated Installation >10' To 15', Add	*3.52*	
		For Elevated Installation >15' To 20', Add	*7.05*	
		For Elevated Installation >20' To 25', Add	*8.81*	
		For Elevated Installation >25' To 30', Add	*12.33*	
		For Elevated Installation >30' To 35', Add	*14.10*	
		For Elevated Installation >35' To 40', Add	*17.62*	
		For Elevated Installation >40', Add	*19.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.57*	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	47.24	20.14
		For Work In Restricted Working Space, Add	*12.08*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	54.97	18.95
		For Work In Restricted Working Space, Add	*13.59*	
		For Elevated Installation >10' To 15', Add	*4.53*	
		For Elevated Installation >15' To 20', Add	*9.06*	
		For Elevated Installation >20' To 25', Add	*11.33*	
		For Elevated Installation >25' To 30', Add	*15.86*	
		For Elevated Installation >30' To 35', Add	*18.12*	
		For Elevated Installation >35' To 40', Add	*22.66*	
		For Elevated Installation >40', Add	*24.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0183	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	61.00	25.17
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.62*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 33 13-0184	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	73.53	27.69
		For Work In Restricted Working Space, Add	*16.61*	
		For Elevated Installation >10' To 15', Add	*5.54*	
		For Elevated Installation >15' To 20', Add	*11.08*	
		For Elevated Installation >20' To 25', Add	*13.85*	
		For Elevated Installation >25' To 30', Add	*19.38*	
		For Elevated Installation >30' To 35', Add	*22.15*	
		For Elevated Installation >35' To 40', Add	*27.69*	
		For Elevated Installation >40', Add	*30.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.61*	
26 05 33 13-0185	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	106.36	30.21
		For Work In Restricted Working Space, Add	*18.12*	
		For Elevated Installation >10' To 15', Add	*6.04*	
		For Elevated Installation >15' To 20', Add	*12.08*	
		For Elevated Installation >20' To 25', Add	*15.10*	
		For Elevated Installation >25' To 30', Add	*21.14*	
		For Elevated Installation >30' To 35', Add	*24.16*	
		For Elevated Installation >35' To 40', Add	*30.21*	
		For Elevated Installation >40', Add	*33.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.12*	

26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0060)*

26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	18.78	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0188	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	20.42	9.47
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.79*	
		For Elevated Installation >20' To 25', Add	*4.74*	
		For Elevated Installation >25' To 30', Add	*6.63*	
		For Elevated Installation >30' To 35', Add	*7.58*	
		For Elevated Installation >35' To 40', Add	*9.48*	
		For Elevated Installation >40', Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0189	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	23.88	10.67
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	26.86	11.85
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	34.29	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0192		EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	40.56	17.77
			For Work In Restricted Working Space, Add	*10.66*	
			For Elevated Installation >10' To 15', Add	*3.55*	
			For Elevated Installation >15' To 20', Add	*7.11*	
			For Elevated Installation >20' To 25', Add	*8.88*	
			For Elevated Installation >25' To 30', Add	*12.44*	
			For Elevated Installation >30' To 35', Add	*14.21*	
			For Elevated Installation >35' To 40', Add	*17.77*	
			For Elevated Installation >40', Add	*19.54*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	
26 05 33 13-0193		EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	57.26	20.73
			For Work In Restricted Working Space, Add	*12.44*	
			For Elevated Installation >10' To 15', Add	*4.15*	
			For Elevated Installation >15' To 20', Add	*8.29*	
			For Elevated Installation >20' To 25', Add	*10.37*	
			For Elevated Installation >25' To 30', Add	*14.51*	
			For Elevated Installation >30' To 35', Add	*16.58*	
			For Elevated Installation >35' To 40', Add	*20.73*	
			For Elevated Installation >40', Add	*22.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.44*	
26 05 33 13-0194		EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	68.11	23.70
			For Work In Restricted Working Space, Add	*14.21*	
			For Elevated Installation >10' To 15', Add	*4.74*	
			For Elevated Installation >15' To 20', Add	*9.48*	
			For Elevated Installation >20' To 25', Add	*11.85*	
			For Elevated Installation >25' To 30', Add	*16.58*	
			For Elevated Installation >30' To 35', Add	*18.95*	
			For Elevated Installation >35' To 40', Add	*23.69*	
			For Elevated Installation >40', Add	*26.06*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.21*	
26 05 33 13-0195		EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	101.72	26.65
			For Work In Restricted Working Space, Add	*15.99*	
			For Elevated Installation >10' To 15', Add	*5.33*	
			For Elevated Installation >15' To 20', Add	*10.66*	
			For Elevated Installation >20' To 25', Add	*13.33*	
			For Elevated Installation >25' To 30', Add	*18.66*	
			For Elevated Installation >30' To 35', Add	*21.32*	
			For Elevated Installation >35' To 40', Add	*26.66*	
			For Elevated Installation >40', Add	*29.32*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.99*	
26 05 33 13-0196		EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	137.74	29.61
			For Work In Restricted Working Space, Add	*17.77*	
			For Elevated Installation >10' To 15', Add	*5.92*	
			For Elevated Installation >15' To 20', Add	*11.85*	
			For Elevated Installation >20' To 25', Add	*14.81*	
			For Elevated Installation >25' To 30', Add	*20.73*	
			For Elevated Installation >30' To 35', Add	*23.69*	
			For Elevated Installation >35' To 40', Add	*29.62*	
			For Elevated Installation >40', Add	*32.58*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	
26 05 33 13-0197		EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	184.24	32.58
			For Work In Restricted Working Space, Add	*19.55*	
			For Elevated Installation >10' To 15', Add	*6.52*	
			For Elevated Installation >15' To 20', Add	*13.03*	
			For Elevated Installation >20' To 25', Add	*16.29*	
			For Elevated Installation >25' To 30', Add	*22.80*	
			For Elevated Installation >30' To 35', Add	*26.06*	
			For Elevated Installation >35' To 40', Add	*32.58*	
			For Elevated Installation >40', Add	*35.83*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-0198		EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	272.08	35.53
			For Work In Restricted Working Space, Add	*21.32*	
			For Elevated Installation >10' To 15', Add	*7.11*	
			For Elevated Installation >15' To 20', Add	*14.22*	
			For Elevated Installation >20' To 25', Add	*17.77*	
			For Elevated Installation >25' To 30', Add	*24.88*	
			For Elevated Installation >30' To 35', Add	*28.43*	
			For Elevated Installation >35' To 40', Add	*35.54*	
			For Elevated Installation >40', Add	*39.09*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	
26 05 33 13-0199			Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0060)*		
26 05 33 13-0200		EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	19.97	8.88
			For Work In Restricted Working Space, Add	*5.33*	
			For Elevated Installation >10' To 15', Add	*1.78*	
			For Elevated Installation >15' To 20', Add	*3.55*	
			For Elevated Installation >20' To 25', Add	*4.44*	
			For Elevated Installation >25' To 30', Add	*6.22*	
			For Elevated Installation >30' To 35', Add	*7.11*	
			For Elevated Installation >35' To 40', Add	*8.89*	
			For Elevated Installation >40', Add	*9.77*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0201	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	22.22	9.47
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.79*	
		For Elevated Installation >20' To 25', Add	*4.74*	
		For Elevated Installation >25' To 30', Add	*6.63*	
		For Elevated Installation >30' To 35', Add	*7.58*	
		For Elevated Installation >35' To 40', Add	*9.48*	
		For Elevated Installation >40', Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0202	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	26.14	10.67
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-0203	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	30.68	11.85
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	38.26	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	47.61	17.77
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	
26 05 33 13-0206	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	66.82	20.73
		For Work In Restricted Working Space, Add	*12.44*	
		For Elevated Installation >10' To 15', Add	*4.15*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.37*	
		For Elevated Installation >25' To 30', Add	*14.51*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.73*	
		For Elevated Installation >40', Add	*22.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.44*	
26 05 33 13-0207	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	79.32	23.70
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.21*	
26 05 33 13-0208	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	103.81	26.65
		For Work In Restricted Working Space, Add	*15.99*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.99*	
26 05 33 13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	147.09	29.61
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	194.42	32.58
		For Work In Restricted Working Space, Add	*19.55*	
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	275.66	35.53
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0060)*

26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	30.19	10.67
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	33.83	11.85
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	38.69	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	45.95	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	55.59	18.36
		For Work In Restricted Working Space, Add	*11.02*	
		For Elevated Installation >10' To 15', Add	*3.67*	
		For Elevated Installation >15' To 20', Add	*7.35*	
		For Elevated Installation >20' To 25', Add	*9.18*	
		For Elevated Installation >25' To 30', Add	*12.86*	
		For Elevated Installation >30' To 35', Add	*14.69*	
		For Elevated Installation >35' To 40', Add	*18.37*	
		For Elevated Installation >40', Add	*20.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.02*	
26 05 33 13-0218	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	70.03	21.91
		For Work In Restricted Working Space, Add	*13.15*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.77*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.34*	
		For Elevated Installation >30' To 35', Add	*17.53*	
		For Elevated Installation >35' To 40', Add	*21.92*	
		For Elevated Installation >40', Add	*24.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0219	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	93.74	25.47
		For Work In Restricted Working Space, Add	*15.28*	
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.19*	
		For Elevated Installation >20' To 25', Add	*12.74*	
		For Elevated Installation >25' To 30', Add	*17.83*	
		For Elevated Installation >30' To 35', Add	*20.38*	
		For Elevated Installation >35' To 40', Add	*25.47*	
		For Elevated Installation >40', Add	*28.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.28*	
26 05 33 13-0220	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	103.39	29.61
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	
26 05 33 13-0221	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	116.91	33.17
		For Work In Restricted Working Space, Add	*19.90*	
		For Elevated Installation >10' To 15', Add	*6.63*	
		For Elevated Installation >15' To 20', Add	*13.27*	
		For Elevated Installation >20' To 25', Add	*16.59*	
		For Elevated Installation >25' To 30', Add	*23.22*	
		For Elevated Installation >30' To 35', Add	*26.54*	
		For Elevated Installation >35' To 40', Add	*33.17*	
		For Elevated Installation >40', Add	*36.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.90*	
26 05 33 13-0222	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	150.85	36.73
		For Work In Restricted Working Space, Add	*22.03*	
		For Elevated Installation >10' To 15', Add	*7.34*	
		For Elevated Installation >15' To 20', Add	*14.69*	
		For Elevated Installation >20' To 25', Add	*18.36*	
		For Elevated Installation >25' To 30', Add	*25.70*	
		For Elevated Installation >30' To 35', Add	*29.38*	
		For Elevated Installation >35' To 40', Add	*36.72*	
		For Elevated Installation >40', Add	*40.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.03*	
26 05 33 13-0223	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	213.80	40.28
		For Work In Restricted Working Space, Add	*24.17*	
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.11*	
		For Elevated Installation >20' To 25', Add	*20.14*	
		For Elevated Installation >25' To 30', Add	*28.19*	
		For Elevated Installation >30' To 35', Add	*32.22*	
		For Elevated Installation >35' To 40', Add	*40.28*	
		For Elevated Installation >40', Add	*44.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 05 33 13-0224	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	294.24	44.43
		For Work In Restricted Working Space, Add	*26.65*	
		For Elevated Installation >10' To 15', Add	*8.88*	
		For Elevated Installation >15' To 20', Add	*17.77*	
		For Elevated Installation >20' To 25', Add	*22.21*	
		For Elevated Installation >25' To 30', Add	*31.09*	
		For Elevated Installation >30' To 35', Add	*35.54*	
		For Elevated Installation >35' To 40', Add	*44.42*	
		For Elevated Installation >40', Add	*48.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.65*	

26 05 33 13-0225 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw *(26 05 33 13-0060)*

26 05 33 13-0226	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	17.63	5.45
		For Work In Restricted Working Space, Add	*4.06*	
		For Elevated Installation >10' To 15', Add	*1.35*	
		For Elevated Installation >15' To 20', Add	*2.70*	
		For Elevated Installation >20' To 25', Add	*3.38*	
		For Elevated Installation >25' To 30', Add	*4.73*	
		For Elevated Installation >30' To 35', Add	*5.41*	
		For Elevated Installation >35' To 40', Add	*6.76*	
		For Elevated Installation >40', Add	*7.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	21.35	6.27
		For Work In Restricted Working Space, Add	*4.70*	
		For Elevated Installation >10' To 15', Add	*1.57*	
		For Elevated Installation >15' To 20', Add	*3.13*	
		For Elevated Installation >20' To 25', Add	*3.91*	
		For Elevated Installation >25' To 30', Add	*5.48*	
		For Elevated Installation >30' To 35', Add	*6.26*	
		For Elevated Installation >35' To 40', Add	*7.83*	
		For Elevated Installation >40', Add	*8.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	27.96	7.58
		For Work In Restricted Working Space, Add	*5.66*	
		For Elevated Installation >10' To 15', Add	*1.89*	
		For Elevated Installation >15' To 20', Add	*3.77*	
		For Elevated Installation >20' To 25', Add	*4.72*	
		For Elevated Installation >25' To 30', Add	*6.60*	
		For Elevated Installation >30' To 35', Add	*7.55*	
		For Elevated Installation >35' To 40', Add	*9.44*	
		For Elevated Installation >40', Add	*10.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	41.30	9.36
		For Work In Restricted Working Space, Add	*7.04*	
		For Elevated Installation >10' To 15', Add	*2.35*	
		For Elevated Installation >15' To 20', Add	*4.69*	
		For Elevated Installation >20' To 25', Add	*5.87*	
		For Elevated Installation >25' To 30', Add	*8.21*	
		For Elevated Installation >30' To 35', Add	*9.39*	
		For Elevated Installation >35' To 40', Add	*11.74*	
		For Elevated Installation >40', Add	*12.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.04*	
26 05 33 13-0230	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	55.90	12.56
		For Work In Restricted Working Space, Add	*9.43*	
		For Elevated Installation >10' To 15', Add	*3.14*	
		For Elevated Installation >15' To 20', Add	*6.28*	
		For Elevated Installation >20' To 25', Add	*7.86*	
		For Elevated Installation >25' To 30', Add	*11.00*	
		For Elevated Installation >30' To 35', Add	*12.57*	
		For Elevated Installation >35' To 40', Add	*15.71*	
		For Elevated Installation >40', Add	*17.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.43*	
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	95.07	18.83
		For Work In Restricted Working Space, Add	*14.12*	
		For Elevated Installation >10' To 15', Add	*4.71*	
		For Elevated Installation >15' To 20', Add	*9.41*	
		For Elevated Installation >20' To 25', Add	*11.77*	
		For Elevated Installation >25' To 30', Add	*16.47*	
		For Elevated Installation >30' To 35', Add	*18.82*	
		For Elevated Installation >35' To 40', Add	*23.53*	
		For Elevated Installation >40', Add	*25.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.12*	
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	170.92	20.85
		For Work In Restricted Working Space, Add	*15.64*	
		For Elevated Installation >10' To 15', Add	*5.21*	
		For Elevated Installation >15' To 20', Add	*10.42*	
		For Elevated Installation >20' To 25', Add	*13.03*	
		For Elevated Installation >25' To 30', Add	*18.24*	
		For Elevated Installation >30' To 35', Add	*20.85*	
		For Elevated Installation >35' To 40', Add	*26.06*	
		For Elevated Installation >40', Add	*28.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.64*	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	203.75	25.23
		For Work In Restricted Working Space, Add	*18.94*	
		For Elevated Installation >10' To 15', Add	*6.31*	
		For Elevated Installation >15' To 20', Add	*12.63*	
		For Elevated Installation >20' To 25', Add	*15.78*	
		For Elevated Installation >25' To 30', Add	*22.10*	
		For Elevated Installation >30' To 35', Add	*25.25*	
		For Elevated Installation >35' To 40', Add	*31.57*	
		For Elevated Installation >40', Add	*34.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	275.42	31.63
		For Work In Restricted Working Space, Add	*23.71*	
		For Elevated Installation >10' To 15', Add	*7.90*	
		For Elevated Installation >15' To 20', Add	*15.81*	
		For Elevated Installation >20' To 25', Add	*19.76*	
		For Elevated Installation >25' To 30', Add	*27.66*	
		For Elevated Installation >30' To 35', Add	*31.61*	
		For Elevated Installation >35' To 40', Add	*39.52*	
		For Elevated Installation >40', Add	*43.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.71*	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	322.67	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	565.97	42.17
		For Work In Restricted Working Space, Add	*31.59*	
		For Elevated Installation >10' To 15', Add	*10.53*	
		For Elevated Installation >15' To 20', Add	*21.06*	
		For Elevated Installation >20' To 25', Add	*26.33*	
		For Elevated Installation >25' To 30', Add	*36.86*	
		For Elevated Installation >30' To 35', Add	*42.12*	
		For Elevated Installation >35' To 40', Add	*52.66*	
		For Elevated Installation >40', Add	*57.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0237	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	676.07	47.38
		For Work In Restricted Working Space, Add	*35.53*	
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.22*	
		For Elevated Installation >40', Add	*65.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.53*	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0060)*

26 05 33 13-0239	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	17.22	7.70
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0240	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	19.82	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0241	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	25.37	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0242	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	29.71	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0243	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	33.93	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0244	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	17.37	7.70
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	20.05	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	25.62	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	30.05	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	34.48	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	39.06	16.59
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	17.53	7.70
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	20.26	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	25.97	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	30.36	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	34.86	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	39.98	16.59
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	54.34	20.14
		For Work In Restricted Working Space, Add	*12.08*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	72.96	27.84
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.13*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.48*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	17.73	7.70
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	20.37	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	26.44	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	30.95	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	35.64	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	40.93	16.59
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	56.91	20.14
		For Work In Restricted Working Space, Add	*12.08*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	75.18	27.84
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.13*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.48*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	17.93	7.70
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	20.72	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	26.72	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	31.24	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	36.17	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	41.73	16.59
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	57.69	20.14
		For Work In Restricted Working Space, Add	*12.08*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	76.82	27.84
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.13*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.48*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	88.52	31.39
		For Work In Restricted Working Space, Add	*18.83*	
		For Elevated Installation >10' To 15', Add	*6.28*	
		For Elevated Installation >15' To 20', Add	*12.56*	
		For Elevated Installation >20' To 25', Add	*15.70*	
		For Elevated Installation >25' To 30', Add	*21.97*	
		For Elevated Installation >30' To 35', Add	*25.11*	
		For Elevated Installation >35' To 40', Add	*31.39*	
		For Elevated Installation >40', Add	*34.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	110.63	40.87
		For Work In Restricted Working Space, Add	*24.52*	
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	18.23	7.70
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	21.16	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	27.29	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	32.06	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	36.97	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	43.16	16.59
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0282	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	60.86	20.14
		For Work In Restricted Working Space, Add	*12.08*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-0283	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	80.26	27.84
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.13*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.48*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-0284	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	91.94	31.39
		For Work In Restricted Working Space, Add	*18.83*	
		For Elevated Installation >10' To 15', Add	*6.28*	
		For Elevated Installation >15' To 20', Add	*12.56*	
		For Elevated Installation >20' To 25', Add	*15.70*	
		For Elevated Installation >25' To 30', Add	*21.97*	
		For Elevated Installation >30' To 35', Add	*25.11*	
		For Elevated Installation >35' To 40', Add	*31.39*	
		For Elevated Installation >40', Add	*34.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-0285	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	115.62	40.87
		For Work In Restricted Working Space, Add	*24.52*	
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-0286	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	178.31	56.27
		For Work In Restricted Working Space, Add	*33.76*	
		For Elevated Installation >10' To 15', Add	*11.25*	
		For Elevated Installation >15' To 20', Add	*22.51*	
		For Elevated Installation >20' To 25', Add	*28.13*	
		For Elevated Installation >25' To 30', Add	*39.39*	
		For Elevated Installation >30' To 35', Add	*45.01*	
		For Elevated Installation >35' To 40', Add	*56.27*	
		For Elevated Installation >40', Add	*61.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-0287	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	226.36	72.14
		For Work In Restricted Working Space, Add	*43.31*	
		For Elevated Installation >10' To 15', Add	*14.44*	
		For Elevated Installation >15' To 20', Add	*28.88*	
		For Elevated Installation >20' To 25', Add	*36.10*	
		For Elevated Installation >25' To 30', Add	*50.53*	
		For Elevated Installation >30' To 35', Add	*57.75*	
		For Elevated Installation >35' To 40', Add	*72.19*	
		For Elevated Installation >40', Add	*79.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.31*	
26 05 33 13-0288	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	18.78	7.70
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0289	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	21.72	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	27.74	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	32.81	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	38.66	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	44.60	16.59
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	63.64	20.14
		For Work In Restricted Working Space, Add	*12.08*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-0295	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	83.74	27.84
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.13*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.48*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	96.10	31.39
		For Work In Restricted Working Space, Add	*18.83*	
		For Elevated Installation >10' To 15', Add	*6.28*	
		For Elevated Installation >15' To 20', Add	*12.56*	
		For Elevated Installation >20' To 25', Add	*15.70*	
		For Elevated Installation >25' To 30', Add	*21.97*	
		For Elevated Installation >30' To 35', Add	*25.11*	
		For Elevated Installation >35' To 40', Add	*31.39*	
		For Elevated Installation >40', Add	*34.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	119.58	40.87
		For Work In Restricted Working Space, Add	*24.52*	
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	184.10	56.27
		For Work In Restricted Working Space, Add	*33.76*	
		For Elevated Installation >10' To 15', Add	*11.25*	
		For Elevated Installation >15' To 20', Add	*22.51*	
		For Elevated Installation >20' To 25', Add	*28.13*	
		For Elevated Installation >25' To 30', Add	*39.39*	
		For Elevated Installation >30' To 35', Add	*45.01*	
		For Elevated Installation >35' To 40', Add	*56.27*	
		For Elevated Installation >40', Add	*61.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-0299	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	234.84	72.14
		For Work In Restricted Working Space, Add	*43.31*	
		For Elevated Installation >10' To 15', Add	*14.44*	
		For Elevated Installation >15' To 20', Add	*28.88*	
		For Elevated Installation >20' To 25', Add	*36.10*	
		For Elevated Installation >25' To 30', Add	*50.53*	
		For Elevated Installation >30' To 35', Add	*57.75*	
		For Elevated Installation >35' To 40', Add	*72.19*	
		For Elevated Installation >40', Add	*79.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0300	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	20.79	7.70
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0301	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	24.29	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0302	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	30.76	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	37.12	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	43.46	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0305	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	49.65	16.59
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-0306	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	71.00	20.14
		For Work In Restricted Working Space, Add	*12.08*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-0307	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	92.20	27.84
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.13*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.48*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	104.53	31.39
		For Work In Restricted Working Space, Add	*18.83*	
		For Elevated Installation >10' To 15', Add	*6.28*	
		For Elevated Installation >15' To 20', Add	*12.56*	
		For Elevated Installation >20' To 25', Add	*15.70*	
		For Elevated Installation >25' To 30', Add	*21.97*	
		For Elevated Installation >30' To 35', Add	*25.11*	
		For Elevated Installation >35' To 40', Add	*31.39*	
		For Elevated Installation >40', Add	*34.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	128.89	40.87
		For Work In Restricted Working Space, Add	*24.52*	
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	197.54	56.27
		For Work In Restricted Working Space, Add	*33.76*	
		For Elevated Installation >10' To 15', Add	*11.25*	
		For Elevated Installation >15' To 20', Add	*22.51*	
		For Elevated Installation >20' To 25', Add	*28.13*	
		For Elevated Installation >25' To 30', Add	*39.39*	
		For Elevated Installation >30' To 35', Add	*45.01*	
		For Elevated Installation >35' To 40', Add	*56.27*	
		For Elevated Installation >40', Add	*61.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	249.93	72.14
		For Work In Restricted Working Space, Add	*43.31*	
		For Elevated Installation >10' To 15', Add	*14.44*	
		For Elevated Installation >15' To 20', Add	*28.88*	
		For Elevated Installation >20' To 25', Add	*36.10*	
		For Elevated Installation >25' To 30', Add	*50.53*	
		For Elevated Installation >30' To 35', Add	*57.75*	
		For Elevated Installation >35' To 40', Add	*72.19*	
		For Elevated Installation >40', Add	*79.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.31*	
26 05 33 13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	22.14	7.70
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	25.60	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	33.16	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	39.97	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	46.27	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	52.91	16.59
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	75.95	20.14
		For Work In Restricted Working Space, Add	*12.08*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	98.85	27.84
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.13*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.48*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	113.29	31.39
		For Work In Restricted Working Space, Add	*18.83*	
		For Elevated Installation >10' To 15', Add	*6.28*	
		For Elevated Installation >15' To 20', Add	*12.56*	
		For Elevated Installation >20' To 25', Add	*15.70*	
		For Elevated Installation >25' To 30', Add	*21.97*	
		For Elevated Installation >30' To 35', Add	*25.11*	
		For Elevated Installation >35' To 40', Add	*31.39*	
		For Elevated Installation >40', Add	*34.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	139.98	40.87
		For Work In Restricted Working Space, Add	*24.52*	
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	212.20	56.27
		For Work In Restricted Working Space, Add	*33.76*	
		For Elevated Installation >10' To 15', Add	*11.25*	
		For Elevated Installation >15' To 20', Add	*22.51*	
		For Elevated Installation >20' To 25', Add	*28.13*	
		For Elevated Installation >25' To 30', Add	*39.39*	
		For Elevated Installation >30' To 35', Add	*45.01*	
		For Elevated Installation >35' To 40', Add	*56.27*	
		For Elevated Installation >40', Add	*61.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	276.30	72.14
		For Work In Restricted Working Space, Add	*43.31*	
		For Elevated Installation >10' To 15', Add	*14.44*	
		For Elevated Installation >15' To 20', Add	*28.88*	
		For Elevated Installation >20' To 25', Add	*36.10*	
		For Elevated Installation >25' To 30', Add	*50.53*	
		For Elevated Installation >30' To 35', Add	*57.75*	
		For Elevated Installation >35' To 40', Add	*72.19*	
		For Elevated Installation >40', Add	*79.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.31*	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	23.17	7.70
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	26.57	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	34.60	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	42.26	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	47.68	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	55.65	16.59
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	81.77	20.14
		For Work In Restricted Working Space, Add	*12.08*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	108.09	27.84
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.13*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.48*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	121.81	31.39
		For Work In Restricted Working Space, Add	*18.83*	
		For Elevated Installation >10' To 15', Add	*6.28*	
		For Elevated Installation >15' To 20', Add	*12.56*	
		For Elevated Installation >20' To 25', Add	*15.70*	
		For Elevated Installation >25' To 30', Add	*21.97*	
		For Elevated Installation >30' To 35', Add	*25.11*	
		For Elevated Installation >35' To 40', Add	*31.39*	
		For Elevated Installation >40', Add	*34.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	151.08	40.87
		For Work In Restricted Working Space, Add	*24.52*	
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	233.26	56.27
		For Work In Restricted Working Space, Add	*33.76*	
		For Elevated Installation >10' To 15', Add	*11.25*	
		For Elevated Installation >15' To 20', Add	*22.51*	
		For Elevated Installation >20' To 25', Add	*28.13*	
		For Elevated Installation >25' To 30', Add	*39.39*	
		For Elevated Installation >30' To 35', Add	*45.01*	
		For Elevated Installation >35' To 40', Add	*56.27*	
		For Elevated Installation >40', Add	*61.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-0335	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	290.95	72.14
		For Work In Restricted Working Space, Add	*43.31*	
		For Elevated Installation >10' To 15', Add	*14.44*	
		For Elevated Installation >15' To 20', Add	*28.88*	
		For Elevated Installation >20' To 25', Add	*36.10*	
		For Elevated Installation >25' To 30', Add	*50.53*	
		For Elevated Installation >30' To 35', Add	*57.75*	
		For Elevated Installation >35' To 40', Add	*72.19*	
		For Elevated Installation >40', Add	*79.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0336		Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0060)*		
26 05 33 13-0337	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	17.71	6.16
		For Work In Restricted Working Space, Add	*4.66*	
		For Elevated Installation >10' To 15', Add	*1.55*	
		For Elevated Installation >15' To 20', Add	*3.10*	
		For Elevated Installation >20' To 25', Add	*3.88*	
		For Elevated Installation >25' To 30', Add	*5.43*	
		For Elevated Installation >30' To 35', Add	*6.21*	
		For Elevated Installation >35' To 40', Add	*7.76*	
		For Elevated Installation >40', Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.66*	
26 05 33 13-0338	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	21.02	7.11
		For Work In Restricted Working Space, Add	*5.30*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.53*	
		For Elevated Installation >20' To 25', Add	*4.42*	
		For Elevated Installation >25' To 30', Add	*6.18*	
		For Elevated Installation >30' To 35', Add	*7.07*	
		For Elevated Installation >35' To 40', Add	*8.84*	
		For Elevated Installation >40', Add	*9.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 05 33 13-0339	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	26.43	9.00
		For Work In Restricted Working Space, Add	*6.78*	
		For Elevated Installation >10' To 15', Add	*2.26*	
		For Elevated Installation >15' To 20', Add	*4.52*	
		For Elevated Installation >20' To 25', Add	*5.65*	
		For Elevated Installation >25' To 30', Add	*7.91*	
		For Elevated Installation >30' To 35', Add	*9.04*	
		For Elevated Installation >35' To 40', Add	*11.30*	
		For Elevated Installation >40', Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 05 33 13-0340	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	33.26	10.78
		For Work In Restricted Working Space, Add	*8.12*	
		For Elevated Installation >10' To 15', Add	*2.71*	
		For Elevated Installation >15' To 20', Add	*5.42*	
		For Elevated Installation >20' To 25', Add	*6.77*	
		For Elevated Installation >25' To 30', Add	*9.48*	
		For Elevated Installation >30' To 35', Add	*10.83*	
		For Elevated Installation >35' To 40', Add	*13.54*	
		For Elevated Installation >40', Add	*14.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 33 13-0341	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	36.42	11.85
		For Work In Restricted Working Space, Add	*8.89*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.93*	
		For Elevated Installation >20' To 25', Add	*7.41*	
		For Elevated Installation >25' To 30', Add	*10.37*	
		For Elevated Installation >30' To 35', Add	*11.86*	
		For Elevated Installation >35' To 40', Add	*14.82*	
		For Elevated Installation >40', Add	*16.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.89*	
26 05 33 13-0342	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	47.28	14.57
		For Work In Restricted Working Space, Add	*10.95*	
		For Elevated Installation >10' To 15', Add	*3.65*	
		For Elevated Installation >15' To 20', Add	*7.30*	
		For Elevated Installation >20' To 25', Add	*9.13*	
		For Elevated Installation >25' To 30', Add	*12.78*	
		For Elevated Installation >30' To 35', Add	*14.60*	
		For Elevated Installation >35' To 40', Add	*18.26*	
		For Elevated Installation >40', Add	*20.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.95*	
26 05 33 13-0343	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	77.17	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	
26 05 33 13-0344	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	122.48	32.70
		For Work In Restricted Working Space, Add	*24.52*	
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-0345	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	151.04	38.62
		For Work In Restricted Working Space, Add	*28.80*	
		For Elevated Installation >10' To 15', Add	*9.60*	
		For Elevated Installation >15' To 20', Add	*19.20*	
		For Elevated Installation >20' To 25', Add	*24.00*	
		For Elevated Installation >25' To 30', Add	*33.60*	
		For Elevated Installation >30' To 35', Add	*38.40*	
		For Elevated Installation >35' To 40', Add	*48.01*	
		For Elevated Installation >40', Add	*52.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0346	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	180.59	44.55
		For Work In Restricted Working Space, Add	*33.41*	
		For Elevated Installation >10' To 15', Add	*11.14*	
		For Elevated Installation >15' To 20', Add	*22.27*	
		For Elevated Installation >20' To 25', Add	*27.84*	
		For Elevated Installation >25' To 30', Add	*38.98*	
		For Elevated Installation >30' To 35', Add	*44.54*	
		For Elevated Installation >35' To 40', Add	*55.68*	
		For Elevated Installation >40', Add	*61.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.41*	

26 05 33 13-0347 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0060)*

Note: Erickson fittings.

26 05 33 13-0348	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	50.21	18.95
		For Work In Restricted Working Space, Add	*14.23*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.60*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.72*	
		For Elevated Installation >40', Add	*26.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 05 33 13-0349	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	56.50	21.20
		For Work In Restricted Working Space, Add	*15.89*	
		For Elevated Installation >10' To 15', Add	*5.30*	
		For Elevated Installation >15' To 20', Add	*10.59*	
		For Elevated Installation >20' To 25', Add	*13.24*	
		For Elevated Installation >25' To 30', Add	*18.53*	
		For Elevated Installation >30' To 35', Add	*21.18*	
		For Elevated Installation >35' To 40', Add	*26.48*	
		For Elevated Installation >40', Add	*29.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.89*	
26 05 33 13-0350	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	65.53	23.58
		For Work In Restricted Working Space, Add	*17.69*	
		For Elevated Installation >10' To 15', Add	*5.90*	
		For Elevated Installation >15' To 20', Add	*11.80*	
		For Elevated Installation >20' To 25', Add	*14.75*	
		For Elevated Installation >25' To 30', Add	*20.64*	
		For Elevated Installation >30' To 35', Add	*23.59*	
		For Elevated Installation >35' To 40', Add	*29.49*	
		For Elevated Installation >40', Add	*32.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0351	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	78.52	25.82
		For Work In Restricted Working Space, Add	*19.36*	
		For Elevated Installation >10' To 15', Add	*6.45*	
		For Elevated Installation >15' To 20', Add	*12.91*	
		For Elevated Installation >20' To 25', Add	*16.14*	
		For Elevated Installation >25' To 30', Add	*22.59*	
		For Elevated Installation >30' To 35', Add	*25.82*	
		For Elevated Installation >35' To 40', Add	*32.27*	
		For Elevated Installation >40', Add	*35.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.36*	
26 05 33 13-0352	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	87.36	28.20
		For Work In Restricted Working Space, Add	*21.18*	
		For Elevated Installation >10' To 15', Add	*7.06*	
		For Elevated Installation >15' To 20', Add	*14.12*	
		For Elevated Installation >20' To 25', Add	*17.65*	
		For Elevated Installation >25' To 30', Add	*24.71*	
		For Elevated Installation >30' To 35', Add	*28.24*	
		For Elevated Installation >35' To 40', Add	*35.31*	
		For Elevated Installation >40', Add	*38.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.18*	
26 05 33 13-0353	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	110.02	30.56
		For Work In Restricted Working Space, Add	*22.94*	
		For Elevated Installation >10' To 15', Add	*7.65*	
		For Elevated Installation >15' To 20', Add	*15.29*	
		For Elevated Installation >20' To 25', Add	*19.12*	
		For Elevated Installation >25' To 30', Add	*26.76*	
		For Elevated Installation >30' To 35', Add	*30.59*	
		For Elevated Installation >35' To 40', Add	*38.24*	
		For Elevated Installation >40', Add	*42.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.94*	
26 05 33 13-0354	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	172.47	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0355	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	236.41	47.38
		For Work In Restricted Working Space, Add	*35.54*	
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.54*	
26 05 33 13-0356	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	338.66	56.87
		For Work In Restricted Working Space, Add	*42.66*	
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.44*	
		For Elevated Installation >20' To 25', Add	*35.55*	
		For Elevated Installation >25' To 30', Add	*49.77*	
		For Elevated Installation >30' To 35', Add	*56.88*	
		For Elevated Installation >35' To 40', Add	*71.10*	
		For Elevated Installation >40', Add	*78.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.66*	
26 05 33 13-0357	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	385.02	61.60
		For Work In Restricted Working Space, Add	*46.20*	
		For Elevated Installation >10' To 15', Add	*15.40*	
		For Elevated Installation >15' To 20', Add	*30.80*	
		For Elevated Installation >20' To 25', Add	*38.50*	
		For Elevated Installation >25' To 30', Add	*53.90*	
		For Elevated Installation >30' To 35', Add	*61.60*	
		For Elevated Installation >35' To 40', Add	*77.00*	
		For Elevated Installation >40', Add	*84.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.20*	
26 05 33 13-0358	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	663.68	75.81
		For Work In Restricted Working Space, Add	*56.86*	
		For Elevated Installation >10' To 15', Add	*18.95*	
		For Elevated Installation >15' To 20', Add	*37.90*	
		For Elevated Installation >20' To 25', Add	*47.38*	
		For Elevated Installation >25' To 30', Add	*66.33*	
		For Elevated Installation >30' To 35', Add	*75.81*	
		For Elevated Installation >35' To 40', Add	*94.76*	
		For Elevated Installation >40', Add	*104.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.86*	
26 05 33 13-0359	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	851.15	87.66
		For Work In Restricted Working Space, Add	*65.74*	
		For Elevated Installation >10' To 15', Add	*21.91*	
		For Elevated Installation >15' To 20', Add	*43.83*	
		For Elevated Installation >20' To 25', Add	*54.78*	
		For Elevated Installation >25' To 30', Add	*76.70*	
		For Elevated Installation >30' To 35', Add	*87.65*	
		For Elevated Installation >35' To 40', Add	*109.57*	
		For Elevated Installation >40', Add	*120.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.74*	

26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0060)*

26 05 33 13-0361	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	29.58	9.47
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
26 05 33 13-0362	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	33.01	10.42
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
26 05 33 13-0363	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	37.90	11.85
		For Work In Restricted Working Space, Add	*8.89*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.41*	
		For Elevated Installation >25' To 30', Add	*10.37*	
		For Elevated Installation >30' To 35', Add	*11.85*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
26 05 33 13-0364	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	42.92	12.79
		For Work In Restricted Working Space, Add	*9.60*	
		For Elevated Installation >10' To 15', Add	*3.20*	
		For Elevated Installation >15' To 20', Add	*6.40*	
		For Elevated Installation >20' To 25', Add	*8.00*	
		For Elevated Installation >25' To 30', Add	*11.20*	
		For Elevated Installation >30' To 35', Add	*12.80*	
		For Elevated Installation >35' To 40', Add	*16.00*	
		For Elevated Installation >40', Add	*17.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0365	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	50.77	14.21
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.89*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.22*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.55*	
26 05 33 13-0366	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	61.61	15.64
		For Work In Restricted Working Space, Add	*11.73*	
		For Elevated Installation >10' To 15', Add	*3.91*	
		For Elevated Installation >15' To 20', Add	*7.82*	
		For Elevated Installation >20' To 25', Add	*9.77*	
		For Elevated Installation >25' To 30', Add	*13.68*	
		For Elevated Installation >30' To 35', Add	*15.64*	
		For Elevated Installation >35' To 40', Add	*19.55*	
		For Elevated Installation >40', Add	*21.50*	
26 05 33 13-0367	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	83.47	18.95
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
26 05 33 13-0368	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	103.27	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
26 05 33 13-0369	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	124.06	28.43
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
26 05 33 13-0370	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	139.92	30.80
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0060)*

26 05 33 13-0372	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	26.20	10.67
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-0373	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	29.21	11.85
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-0374	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	36.07	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	44.31	17.77
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	57.03	23.70
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.21*	
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	66.20	26.65
		For Work In Restricted Working Space, Add	*15.99*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.99*	
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	81.12	29.61
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	108.95	37.32
		For Work In Restricted Working Space, Add	*22.39*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.93*	
		For Elevated Installation >20' To 25', Add	*18.66*	
		For Elevated Installation >25' To 30', Add	*26.12*	
		For Elevated Installation >30' To 35', Add	*29.85*	
		For Elevated Installation >35' To 40', Add	*37.32*	
		For Elevated Installation >40', Add	*41.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.39*	
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	129.43	45.02
		For Work In Restricted Working Space, Add	*27.01*	
		For Elevated Installation >10' To 15', Add	*9.00*	
		For Elevated Installation >15' To 20', Add	*18.01*	
		For Elevated Installation >20' To 25', Add	*22.51*	
		For Elevated Installation >25' To 30', Add	*31.51*	
		For Elevated Installation >30' To 35', Add	*36.01*	
		For Elevated Installation >35' To 40', Add	*45.02*	
		For Elevated Installation >40', Add	*49.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.01*	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	158.56	53.31
		For Work In Restricted Working Space, Add	*31.98*	
		For Elevated Installation >10' To 15', Add	*10.66*	
		For Elevated Installation >15' To 20', Add	*21.32*	
		For Elevated Installation >20' To 25', Add	*26.65*	
		For Elevated Installation >25' To 30', Add	*37.31*	
		For Elevated Installation >30' To 35', Add	*42.64*	
		For Elevated Installation >35' To 40', Add	*53.31*	
		For Elevated Installation >40', Add	*58.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.98*	

26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX

26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	123.26	18.95
		For Work In Restricted Working Space, Add	*14.22*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.59*	
		For Elevated Installation >30' To 35', Add	*18.96*	
		For Elevated Installation >35' To 40', Add	*23.70*	
		For Elevated Installation >40', Add	*26.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0384	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	139.92	21.32
		For Work In Restricted Working Space, Add	*15.99*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	
26 05 33 13-0385	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	165.79	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.70*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
26 05 33 13-0386	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	203.16	26.06
		For Work In Restricted Working Space, Add	*19.55*	
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
26 05 33 13-0387	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	255.51	28.43
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
26 05 33 13-0388	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	353.64	30.80
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.34*	
26 05 33 13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	541.98	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
26 05 33 13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	694.46	47.38
		For Work In Restricted Working Space, Add	*35.54*	
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	
26 05 33 13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,014.43	56.87
		For Work In Restricted Working Space, Add	*42.65*	
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.43*	
		For Elevated Installation >20' To 25', Add	*35.54*	
		For Elevated Installation >25' To 30', Add	*49.76*	
		For Elevated Installation >30' To 35', Add	*56.87*	
		For Elevated Installation >35' To 40', Add	*71.09*	
		For Elevated Installation >40', Add	*78.19*	
26 05 33 13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,081.32	61.60
		For Work In Restricted Working Space, Add	*46.20*	
		For Elevated Installation >10' To 15', Add	*15.40*	
		For Elevated Installation >15' To 20', Add	*30.80*	
		For Elevated Installation >20' To 25', Add	*38.50*	
		For Elevated Installation >25' To 30', Add	*53.90*	
		For Elevated Installation >30' To 35', Add	*61.60*	
		For Elevated Installation >35' To 40', Add	*77.00*	
		For Elevated Installation >40', Add	*84.69*	
26 05 33 13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,657.18	75.81
		For Work In Restricted Working Space, Add	*56.86*	
		For Elevated Installation >10' To 15', Add	*18.95*	
		For Elevated Installation >15' To 20', Add	*37.91*	
		For Elevated Installation >20' To 25', Add	*47.39*	
		For Elevated Installation >25' To 30', Add	*66.34*	
		For Elevated Installation >30' To 35', Add	*75.82*	
		For Elevated Installation >35' To 40', Add	*94.77*	
		For Elevated Installation >40', Add	*104.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	2,036.17	84.11
		For Work In Restricted Working Space, Add	*63.12*	
		For Elevated Installation >10' To 15', Add	*21.04*	
		For Elevated Installation >15' To 20', Add	*42.08*	
		For Elevated Installation >20' To 25', Add	*52.60*	
		For Elevated Installation >25' To 30', Add	*73.64*	
		For Elevated Installation >30' To 35', Add	*84.16*	
		For Elevated Installation >35' To 40', Add	*105.20*	
		For Elevated Installation >40', Add	*115.71*	

26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX-8

26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	135.94	18.95
		For Work In Restricted Working Space, Add	*14.22*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.59*	
		For Elevated Installation >30' To 35', Add	*18.96*	
		For Elevated Installation >35' To 40', Add	*23.70*	
		For Elevated Installation >40', Add	*26.06*	
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	151.15	21.32
		For Work In Restricted Working Space, Add	*15.99*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	183.42	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.70*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
26 05 33 13-0399	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	230.93	26.06
		For Work In Restricted Working Space, Add	*19.55*	
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
26 05 33 13-0400	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	310.69	28.43
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
26 05 33 13-0401	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	380.01	30.80
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.34*	
26 05 33 13-0402	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	712.91	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
26 05 33 13-0403	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	811.18	47.38
		For Work In Restricted Working Space, Add	*35.54*	
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0404	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,245.09	56.87
		For Work In Restricted Working Space, Add	*42.65*	
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.43*	
		For Elevated Installation >20' To 25', Add	*35.54*	
		For Elevated Installation >25' To 30', Add	*49.76*	
		For Elevated Installation >30' To 35', Add	*56.87*	
		For Elevated Installation >35' To 40', Add	*71.09*	
		For Elevated Installation >40', Add	*78.19*	
26 05 33 13-0405	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,347.92	61.60
		For Work In Restricted Working Space, Add	*46.20*	
		For Elevated Installation >10' To 15', Add	*15.40*	
		For Elevated Installation >15' To 20', Add	*30.80*	
		For Elevated Installation >20' To 25', Add	*38.50*	
		For Elevated Installation >25' To 30', Add	*53.90*	
		For Elevated Installation >30' To 35', Add	*61.60*	
		For Elevated Installation >35' To 40', Add	*77.00*	
		For Elevated Installation >40', Add	*84.69*	
26 05 33 13-0406	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,881.91	75.81
		For Work In Restricted Working Space, Add	*56.86*	
		For Elevated Installation >10' To 15', Add	*18.95*	
		For Elevated Installation >15' To 20', Add	*37.91*	
		For Elevated Installation >20' To 25', Add	*47.39*	
		For Elevated Installation >25' To 30', Add	*66.34*	
		For Elevated Installation >30' To 35', Add	*75.82*	
		For Elevated Installation >35' To 40', Add	*94.77*	
		For Elevated Installation >40', Add	*104.25*	
26 05 33 13-0407	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,325.30	84.11
		For Work In Restricted Working Space, Add	*63.12*	
		For Elevated Installation >10' To 15', Add	*21.04*	
		For Elevated Installation >15' To 20', Add	*42.08*	
		For Elevated Installation >20' To 25', Add	*52.60*	
		For Elevated Installation >25' To 30', Add	*73.64*	
		For Elevated Installation >30' To 35', Add	*84.16*	
		For Elevated Installation >35' To 40', Add	*105.20*	
		For Elevated Installation >40', Add	*115.71*	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type EX

26 05 33 13-0409	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	154.50	18.95
		For Work In Restricted Working Space, Add	*14.22*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.59*	
		For Elevated Installation >30' To 35', Add	*18.96*	
		For Elevated Installation >35' To 40', Add	*23.70*	
		For Elevated Installation >40', Add	*26.06*	
26 05 33 13-0410	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	194.92	21.32
		For Work In Restricted Working Space, Add	*15.99*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	
26 05 33 13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	242.54	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.70*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
26 05 33 13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	294.95	26.06
		For Work In Restricted Working Space, Add	*19.55*	
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
26 05 33 13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	397.37	28.43
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	547.52	30.80
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.34*	
26 05 33 13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	850.82	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
26 05 33 13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,146.97	47.38
		For Work In Restricted Working Space, Add	*35.54*	
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	
26 05 33 13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,722.69	56.87
		For Work In Restricted Working Space, Add	*42.65*	
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.43*	
		For Elevated Installation >20' To 25', Add	*35.54*	
		For Elevated Installation >25' To 30', Add	*49.76*	
		For Elevated Installation >30' To 35', Add	*56.87*	
		For Elevated Installation >35' To 40', Add	*71.09*	
		For Elevated Installation >40', Add	*78.19*	
26 05 33 13-0418	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,782.95	61.60
		For Work In Restricted Working Space, Add	*46.20*	
		For Elevated Installation >10' To 15', Add	*15.40*	
		For Elevated Installation >15' To 20', Add	*30.80*	
		For Elevated Installation >20' To 25', Add	*38.50*	
		For Elevated Installation >25' To 30', Add	*53.90*	
		For Elevated Installation >30' To 35', Add	*61.60*	
		For Elevated Installation >35' To 40', Add	*77.00*	
		For Elevated Installation >40', Add	*84.69*	
26 05 33 13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,683.81	75.81
		For Work In Restricted Working Space, Add	*56.86*	
		For Elevated Installation >10' To 15', Add	*18.95*	
		For Elevated Installation >15' To 20', Add	*37.91*	
		For Elevated Installation >20' To 25', Add	*47.39*	
		For Elevated Installation >25' To 30', Add	*66.34*	
		For Elevated Installation >30' To 35', Add	*75.82*	
		For Elevated Installation >35' To 40', Add	*94.77*	
		For Elevated Installation >40', Add	*104.25*	
26 05 33 13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	3,327.42	84.11
		For Work In Restricted Working Space, Add	*63.12*	
		For Elevated Installation >10' To 15', Add	*21.04*	
		For Elevated Installation >15' To 20', Add	*42.08*	
		For Elevated Installation >20' To 25', Add	*52.60*	
		For Elevated Installation >25' To 30', Add	*73.64*	
		For Elevated Installation >30' To 35', Add	*84.16*	
		For Elevated Installation >35' To 40', Add	*105.20*	
		For Elevated Installation >40', Add	*115.71*	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0060)*

Note: Type DX

26 05 33 13-0422	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	268.97	18.95
		For Work In Restricted Working Space, Add	*14.22*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.59*	
		For Elevated Installation >30' To 35', Add	*18.96*	
		For Elevated Installation >35' To 40', Add	*23.70*	
		For Elevated Installation >40', Add	*26.06*	
26 05 33 13-0423	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	320.45	21.32
		For Work In Restricted Working Space, Add	*15.99*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0424	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	387.41	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.70*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
26 05 33 13-0425	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	455.46	26.06
		For Work In Restricted Working Space, Add	*19.55*	
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
26 05 33 13-0426	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	503.68	28.43
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
26 05 33 13-0427	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	622.59	30.80
		For Work In Restricted Working Space, Add	*23.10*	
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.34*	
26 05 33 13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	822.95	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
26 05 33 13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,043.69	47.38
		For Work In Restricted Working Space, Add	*35.54*	
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	
26 05 33 13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,174.28	56.87
		For Work In Restricted Working Space, Add	*42.65*	
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.43*	
		For Elevated Installation >20' To 25', Add	*35.54*	
		For Elevated Installation >25' To 30', Add	*49.76*	
		For Elevated Installation >30' To 35', Add	*56.87*	
		For Elevated Installation >35' To 40', Add	*71.09*	
		For Elevated Installation >40', Add	*78.19*	
26 05 33 13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,424.11	61.60
		For Work In Restricted Working Space, Add	*46.20*	
		For Elevated Installation >10' To 15', Add	*15.40*	
		For Elevated Installation >15' To 20', Add	*30.80*	
		For Elevated Installation >20' To 25', Add	*38.50*	
		For Elevated Installation >25' To 30', Add	*53.90*	
		For Elevated Installation >30' To 35', Add	*61.60*	
		For Elevated Installation >35' To 40', Add	*77.00*	
		For Elevated Installation >40', Add	*84.69*	
26 05 33 13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,436.36	75.81
		For Work In Restricted Working Space, Add	*56.86*	
		For Elevated Installation >10' To 15', Add	*18.95*	
		For Elevated Installation >15' To 20', Add	*37.91*	
		For Elevated Installation >20' To 25', Add	*47.39*	
		For Elevated Installation >25' To 30', Add	*66.34*	
		For Elevated Installation >30' To 35', Add	*75.82*	
		For Elevated Installation >35' To 40', Add	*94.77*	
		For Elevated Installation >40', Add	*104.25*	
26 05 33 13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	3,874.64	84.11
		For Work In Restricted Working Space, Add	*63.12*	
		For Elevated Installation >10' To 15', Add	*21.04*	
		For Elevated Installation >15' To 20', Add	*42.08*	
		For Elevated Installation >20' To 25', Add	*52.60*	
		For Elevated Installation >25' To 30', Add	*73.64*	
		For Elevated Installation >30' To 35', Add	*84.16*	
		For Elevated Installation >35' To 40', Add	*105.20*	
		For Elevated Installation >40', Add	*115.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0434		Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0060)*		
26 05 33 13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	69.38	9.47
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
26 05 33 13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	79.92	11.85
		For Work In Restricted Working Space, Add	*8.89*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.41*	
		For Elevated Installation >25' To 30', Add	*10.37*	
		For Elevated Installation >30' To 35', Add	*11.85*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
26 05 33 13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	98.52	14.21
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
26 05 33 13-0438	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	138.41	18.95
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
26 05 33 13-0439	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	209.71	28.43
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
26 05 33 13-0440	EA	5" To 6" Conduit, 14" Bonding Jumper	358.15	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
26 05 33 13-0441	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	77.21	9.47
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
26 05 33 13-0442	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	89.81	11.85
		For Work In Restricted Working Space, Add	*8.89*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.41*	
		For Elevated Installation >25' To 30', Add	*10.37*	
		For Elevated Installation >30' To 35', Add	*11.85*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
26 05 33 13-0443	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	107.58	14.21
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
26 05 33 13-0444	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	150.43	18.95
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0445	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	225.66	28.43
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
26 05 33 13-0446	EA	5" To 6" Conduit, 24" Bonding Jumper	409.58	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	

26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0060)*

26 05 33 13-0448	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	100.00	29.61
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	
26 05 33 13-0449	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	118.97	35.53
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	
26 05 33 13-0450	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	144.47	41.46
		For Work In Restricted Working Space, Add	*24.88*	
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.59*	
		For Elevated Installation >20' To 25', Add	*20.73*	
		For Elevated Installation >25' To 30', Add	*29.03*	
		For Elevated Installation >30' To 35', Add	*33.17*	
		For Elevated Installation >35' To 40', Add	*41.47*	
		For Elevated Installation >40', Add	*45.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.88*	
26 05 33 13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	169.50	47.38
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	219.13	53.31
		For Work In Restricted Working Space, Add	*31.98*	
		For Elevated Installation >10' To 15', Add	*10.66*	
		For Elevated Installation >15' To 20', Add	*21.32*	
		For Elevated Installation >20' To 25', Add	*26.65*	
		For Elevated Installation >25' To 30', Add	*37.31*	
		For Elevated Installation >30' To 35', Add	*42.64*	
		For Elevated Installation >35' To 40', Add	*53.31*	
		For Elevated Installation >40', Add	*58.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.98*	
26 05 33 13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	264.24	59.23
		For Work In Restricted Working Space, Add	*35.54*	
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.54*	
26 05 33 13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	368.66	71.08
		For Work In Restricted Working Space, Add	*42.65*	
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.43*	
		For Elevated Installation >20' To 25', Add	*35.54*	
		For Elevated Installation >25' To 30', Add	*49.76*	
		For Elevated Installation >30' To 35', Add	*56.86*	
		For Elevated Installation >35' To 40', Add	*71.08*	
		For Elevated Installation >40', Add	*78.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	442.52	82.93
		For Work In Restricted Working Space, Add	*49.75*	
		For Elevated Installation >10' To 15', Add	*16.58*	
		For Elevated Installation >15' To 20', Add	*33.17*	
		For Elevated Installation >20' To 25', Add	*41.46*	
		For Elevated Installation >25' To 30', Add	*58.04*	
		For Elevated Installation >30' To 35', Add	*66.34*	
		For Elevated Installation >35' To 40', Add	*82.92*	
		For Elevated Installation >40', Add	*91.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.75*	
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	987.51	94.76
		For Work In Restricted Working Space, Add	*56.86*	
		For Elevated Installation >10' To 15', Add	*18.95*	
		For Elevated Installation >15' To 20', Add	*37.91*	
		For Elevated Installation >20' To 25', Add	*47.39*	
		For Elevated Installation >25' To 30', Add	*66.34*	
		For Elevated Installation >30' To 35', Add	*75.82*	
		For Elevated Installation >35' To 40', Add	*94.77*	
		For Elevated Installation >40', Add	*104.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.86*	
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,136.76	106.61
		For Work In Restricted Working Space, Add	*63.97*	
		For Elevated Installation >10' To 15', Add	*21.32*	
		For Elevated Installation >15' To 20', Add	*42.65*	
		For Elevated Installation >20' To 25', Add	*53.31*	
		For Elevated Installation >25' To 30', Add	*74.63*	
		For Elevated Installation >30' To 35', Add	*85.29*	
		For Elevated Installation >35' To 40', Add	*106.62*	
		For Elevated Installation >40', Add	*117.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.97*	

26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0060)*

26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	15.66	7.11
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	21.96	10.07
		For Work In Restricted Working Space, Add	*6.04*	
		For Elevated Installation >10' To 15', Add	*2.01*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.05*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.07*	
		For Elevated Installation >40', Add	*11.08*	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	28.83	13.03
		For Work In Restricted Working Space, Add	*7.82*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	33.11	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	39.91	17.77
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	46.81	20.14
		For Work In Restricted Working Space, Add	*12.08*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	59.68	22.50
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.00*	
		For Elevated Installation >20' To 25', Add	*11.26*	
		For Elevated Installation >25' To 30', Add	*15.76*	
		For Elevated Installation >30' To 35', Add	*18.01*	
		For Elevated Installation >35' To 40', Add	*22.51*	
		For Elevated Installation >40', Add	*24.76*	
26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	70.00	25.47
		For Work In Restricted Working Space, Add	*15.28*	
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.19*	
		For Elevated Installation >20' To 25', Add	*12.74*	
		For Elevated Installation >25' To 30', Add	*17.83*	
		For Elevated Installation >30' To 35', Add	*20.38*	
		For Elevated Installation >35' To 40', Add	*25.47*	
		For Elevated Installation >40', Add	*28.02*	
26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	81.42	27.84
		For Work In Restricted Working Space, Add	*16.70*	
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.13*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.48*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
26 05 33 13-0468	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	86.05	29.61
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	

26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0060)*

26 05 33 13-0470	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	3.65	1.18
26 05 33 13-0471	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	5.04	1.77
26 05 33 13-0472	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	8.36	2.96
26 05 33 13-0473	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	12.10	4.15
26 05 33 13-0474	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	14.50	4.74
26 05 33 13-0475	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	17.08	5.33

26 05 33 13-0476 Rigid Galvanized Steel (RGS) Fire Stop Fittings *(26 05 33 13-0060)*

26 05 33 13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	198.38	14.38
		For Work In Restricted Working Space, Add	*10.78*	
		For Elevated Installation >10' To 15', Add	*3.59*	
		For Elevated Installation >15' To 20', Add	*7.19*	
		For Elevated Installation >20' To 25', Add	*8.99*	
		For Elevated Installation >25' To 30', Add	*12.58*	
		For Elevated Installation >30' To 35', Add	*14.38*	
		For Elevated Installation >35' To 40', Add	*17.97*	
		For Elevated Installation >40', Add	*19.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.78*	
26 05 33 13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	201.85	15.76
		For Work In Restricted Working Space, Add	*11.82*	
		For Elevated Installation >10' To 15', Add	*3.94*	
		For Elevated Installation >15' To 20', Add	*7.88*	
		For Elevated Installation >20' To 25', Add	*9.85*	
		For Elevated Installation >25' To 30', Add	*13.79*	
		For Elevated Installation >30' To 35', Add	*15.76*	
		For Elevated Installation >35' To 40', Add	*19.71*	
		For Elevated Installation >40', Add	*21.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.82*	
26 05 33 13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	241.96	17.29
		For Work In Restricted Working Space, Add	*12.95*	
		For Elevated Installation >10' To 15', Add	*4.32*	
		For Elevated Installation >15' To 20', Add	*8.63*	
		For Elevated Installation >20' To 25', Add	*10.79*	
		For Elevated Installation >25' To 30', Add	*15.10*	
		For Elevated Installation >30' To 35', Add	*17.26*	
		For Elevated Installation >35' To 40', Add	*21.58*	
		For Elevated Installation >40', Add	*23.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.95*	
26 05 33 13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	265.63	18.95
		For Work In Restricted Working Space, Add	*14.23*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.60*	
		For Elevated Installation >30' To 35', Add	*18.97*	
		For Elevated Installation >35' To 40', Add	*23.71*	
		For Elevated Installation >40', Add	*26.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0481	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	303.04	21.32
		For Work In Restricted Working Space, Add	*15.99*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.99*	
26 05 33 13-0482	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	447.19	23.70
		For Work In Restricted Working Space, Add	*17.78*	
		For Elevated Installation >10' To 15', Add	*5.93*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.82*	
		For Elevated Installation >25' To 30', Add	*20.74*	
		For Elevated Installation >30' To 35', Add	*23.70*	
		For Elevated Installation >35' To 40', Add	*29.63*	
		For Elevated Installation >40', Add	*32.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.78*	
26 05 33 13-0483	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	515.44	31.63
		For Work In Restricted Working Space, Add	*23.71*	
		For Elevated Installation >10' To 15', Add	*7.90*	
		For Elevated Installation >15' To 20', Add	*15.80*	
		For Elevated Installation >20' To 25', Add	*19.76*	
		For Elevated Installation >25' To 30', Add	*27.66*	
		For Elevated Installation >30' To 35', Add	*31.61*	
		For Elevated Installation >35' To 40', Add	*39.51*	
		For Elevated Installation >40', Add	*43.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.71*	
26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	571.75	34.71
		For Work In Restricted Working Space, Add	*26.05*	
		For Elevated Installation >10' To 15', Add	*8.68*	
		For Elevated Installation >15' To 20', Add	*17.37*	
		For Elevated Installation >20' To 25', Add	*21.71*	
		For Elevated Installation >25' To 30', Add	*30.39*	
		For Elevated Installation >30' To 35', Add	*34.74*	
		For Elevated Installation >35' To 40', Add	*43.42*	
		For Elevated Installation >40', Add	*47.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.05*	
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	664.55	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.96*	
		For Elevated Installation >20' To 25', Add	*23.70*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.91*	
		For Elevated Installation >35' To 40', Add	*47.39*	
		For Elevated Installation >40', Add	*52.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-0486	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	749.11	42.64
		For Work In Restricted Working Space, Add	*31.98*	
		For Elevated Installation >10' To 15', Add	*10.66*	
		For Elevated Installation >15' To 20', Add	*21.32*	
		For Elevated Installation >20' To 25', Add	*26.65*	
		For Elevated Installation >25' To 30', Add	*37.31*	
		For Elevated Installation >30' To 35', Add	*42.64*	
		For Elevated Installation >35' To 40', Add	*53.31*	
		For Elevated Installation >40', Add	*58.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.98*	
26 05 33 13-0487	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,003.41	47.38
		For Work In Restricted Working Space, Add	*35.54*	
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.54*	
26 05 33 13-0488	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,246.78	52.59
		For Work In Restricted Working Space, Add	*39.45*	
		For Elevated Installation >10' To 15', Add	*13.15*	
		For Elevated Installation >15' To 20', Add	*26.30*	
		For Elevated Installation >20' To 25', Add	*32.87*	
		For Elevated Installation >25' To 30', Add	*46.02*	
		For Elevated Installation >30' To 35', Add	*52.60*	
		For Elevated Installation >35' To 40', Add	*65.75*	
		For Elevated Installation >40', Add	*72.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.45*	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	19.35	9.18
		For Work In Restricted Working Space, Add	*5.51*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.67*	
		For Elevated Installation >20' To 25', Add	*4.59*	
		For Elevated Installation >25' To 30', Add	*6.43*	
		For Elevated Installation >30' To 35', Add	*7.34*	
		For Elevated Installation >35' To 40', Add	*9.18*	
		For Elevated Installation >40', Add	*10.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.51*	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	21.37	9.77
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.91*	
		For Elevated Installation >20' To 25', Add	*4.89*	
		For Elevated Installation >25' To 30', Add	*6.84*	
		For Elevated Installation >30' To 35', Add	*7.82*	
		For Elevated Installation >35' To 40', Add	*9.78*	
		For Elevated Installation >40', Add	*10.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	21.96	10.07
		For Work In Restricted Working Space, Add	*6.04*	
		For Elevated Installation >10' To 15', Add	*2.01*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.05*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.07*	
		For Elevated Installation >40', Add	*11.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	25.45	10.36
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	26.04	10.67
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	27.22	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	29.42	11.85
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	30.01	12.14
		For Work In Restricted Working Space, Add	*7.29*	
		For Elevated Installation >10' To 15', Add	*2.43*	
		For Elevated Installation >15' To 20', Add	*4.86*	
		For Elevated Installation >20' To 25', Add	*6.07*	
		For Elevated Installation >25' To 30', Add	*8.50*	
		For Elevated Installation >30' To 35', Add	*9.72*	
		For Elevated Installation >35' To 40', Add	*12.15*	
		For Elevated Installation >40', Add	*13.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.29*	
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	31.19	12.73
		For Work In Restricted Working Space, Add	*7.64*	
		For Elevated Installation >10' To 15', Add	*2.55*	
		For Elevated Installation >15' To 20', Add	*5.09*	
		For Elevated Installation >20' To 25', Add	*6.37*	
		For Elevated Installation >25' To 30', Add	*8.91*	
		For Elevated Installation >30' To 35', Add	*10.19*	
		For Elevated Installation >35' To 40', Add	*12.74*	
		For Elevated Installation >40', Add	*14.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	32.37	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.66*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	39.21	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.66*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	39.80	13.62
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15', Add	*2.72*	
		For Elevated Installation >15' To 20', Add	*5.45*	
		For Elevated Installation >20' To 25', Add	*6.81*	
		For Elevated Installation >25' To 30', Add	*9.53*	
		For Elevated Installation >30' To 35', Add	*10.90*	
		For Elevated Installation >35' To 40', Add	*13.62*	
		For Elevated Installation >40', Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	40.99	14.21
		For Work In Restricted Working Space, Add	*8.53*	
		For Elevated Installation >10' To 15', Add	*2.84*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.95*	
		For Elevated Installation >30' To 35', Add	*11.37*	
		For Elevated Installation >35' To 40', Add	*14.22*	
		For Elevated Installation >40', Add	*15.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	42.17	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	45.14	16.29
		For Work In Restricted Working Space, Add	*9.77*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.52*	
		For Elevated Installation >20' To 25', Add	*8.15*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.03*	
		For Elevated Installation >35' To 40', Add	*16.29*	
		For Elevated Installation >40', Add	*17.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	57.11	19.25
		For Work In Restricted Working Space, Add	*11.55*	
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0060)*

26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	2.46	1.18
		For Work In Restricted Working Space, Add	*0.71*	
		For Elevated Installation >10' To 15', Add	*0.24*	
		For Elevated Installation >15' To 20', Add	*0.47*	
		For Elevated Installation >20' To 25', Add	*0.59*	
		For Elevated Installation >25' To 30', Add	*0.83*	
		For Elevated Installation >30' To 35', Add	*0.95*	
		For Elevated Installation >35' To 40', Add	*1.19*	
		For Elevated Installation >40', Add	*1.30*	
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	3.69	1.77
		For Work In Restricted Working Space, Add	*1.07*	
		For Elevated Installation >10' To 15', Add	*0.36*	
		For Elevated Installation >15' To 20', Add	*0.71*	
		For Elevated Installation >20' To 25', Add	*0.89*	
		For Elevated Installation >25' To 30', Add	*1.25*	
		For Elevated Installation >30' To 35', Add	*1.42*	
		For Elevated Installation >35' To 40', Add	*1.78*	
		For Elevated Installation >40', Add	*1.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	6.13	2.96
		For Work In Restricted Working Space, Add	*1.78*	
		For Elevated Installation >10' To 15', Add	*0.59*	
		For Elevated Installation >15' To 20', Add	*1.18*	
		For Elevated Installation >20' To 25', Add	*1.48*	
		For Elevated Installation >25' To 30', Add	*2.07*	
		For Elevated Installation >30' To 35', Add	*2.37*	
		For Elevated Installation >35' To 40', Add	*2.96*	
		For Elevated Installation >40', Add	*3.26*	
26 05 33 13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	8.64	4.15
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
26 05 33 13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	9.92	4.74
		For Work In Restricted Working Space, Add	*2.84*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.89*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.31*	
		For Elevated Installation >30' To 35', Add	*3.79*	
		For Elevated Installation >35' To 40', Add	*4.74*	
		For Elevated Installation >40', Add	*5.21*	
26 05 33 13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts	11.23	5.33
		For Work In Restricted Working Space, Add	*3.20*	
		For Elevated Installation >10' To 15', Add	*1.07*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.67*	
		For Elevated Installation >25' To 30', Add	*3.73*	
		For Elevated Installation >30' To 35', Add	*4.27*	
		For Elevated Installation >35' To 40', Add	*5.34*	
		For Elevated Installation >40', Add	*5.87*	
26 05 33 13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	15.70	7.11
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts	19.41	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	22.87	10.07
		For Work In Restricted Working Space, Add	*6.04*	
		For Elevated Installation >10' To 15', Add	*2.01*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.05*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.07*	
		For Elevated Installation >40', Add	*11.08*	
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts	25.64	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	

26 05 33 13-0517 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0060)*

26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.73	1.18
		For Work In Restricted Working Space, Add	*0.71*	
		For Elevated Installation >10' To 15', Add	*0.24*	
		For Elevated Installation >15' To 20', Add	*0.47*	
		For Elevated Installation >20' To 25', Add	*0.59*	
		For Elevated Installation >25' To 30', Add	*0.83*	
		For Elevated Installation >30' To 35', Add	*0.95*	
		For Elevated Installation >35' To 40', Add	*1.19*	
		For Elevated Installation >40', Add	*1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	5.19	1.77
		For Work In Restricted Working Space, Add	*1.07*	
		For Elevated Installation >10' To 15', Add	*0.36*	
		For Elevated Installation >15' To 20', Add	*0.71*	
		For Elevated Installation >20' To 25', Add	*0.89*	
		For Elevated Installation >25' To 30', Add	*1.25*	
		For Elevated Installation >30' To 35', Add	*1.42*	
		For Elevated Installation >35' To 40', Add	*1.78*	
		For Elevated Installation >40', Add	*1.96*	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.26	2.96
		For Work In Restricted Working Space, Add	*1.78*	
		For Elevated Installation >10' To 15', Add	*0.59*	
		For Elevated Installation >15' To 20', Add	*1.18*	
		For Elevated Installation >20' To 25', Add	*1.48*	
		For Elevated Installation >25' To 30', Add	*2.07*	
		For Elevated Installation >30' To 35', Add	*2.37*	
		For Elevated Installation >35' To 40', Add	*2.96*	
		For Elevated Installation >40', Add	*3.26*	
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.54	4.15
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.03	4.74
		For Work In Restricted Working Space, Add	*2.84*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.89*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.31*	
		For Elevated Installation >30' To 35', Add	*3.79*	
		For Elevated Installation >35' To 40', Add	*4.74*	
		For Elevated Installation >40', Add	*5.21*	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	15.32	5.33
		For Work In Restricted Working Space, Add	*3.20*	
		For Elevated Installation >10' To 15', Add	*1.07*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.67*	
		For Elevated Installation >25' To 30', Add	*3.73*	
		For Elevated Installation >30' To 35', Add	*4.27*	
		For Elevated Installation >35' To 40', Add	*5.34*	
		For Elevated Installation >40', Add	*5.87*	
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	22.84	7.11
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	28.73	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	37.93	10.07
		For Work In Restricted Working Space, Add	*6.04*	
		For Elevated Installation >10' To 15', Add	*2.01*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.05*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.07*	
		For Elevated Installation >40', Add	*11.08*	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	45.45	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	

26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0529	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	10.51	3.56
		For Work In Restricted Working Space, Add	*2.13*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.42*	
		For Elevated Installation >20' To 25', Add	*1.78*	
		For Elevated Installation >25' To 30', Add	*2.49*	
		For Elevated Installation >30' To 35', Add	*2.84*	
		For Elevated Installation >35' To 40', Add	*3.56*	
		For Elevated Installation >40', Add	*3.91*	
26 05 33 13-0530	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	13.17	4.74
		For Work In Restricted Working Space, Add	*2.84*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.89*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.31*	
		For Elevated Installation >30' To 35', Add	*3.79*	
		For Elevated Installation >35' To 40', Add	*4.74*	
		For Elevated Installation >40', Add	*5.21*	
26 05 33 13-0531	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	16.83	5.92
		For Work In Restricted Working Space, Add	*3.56*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.96*	
		For Elevated Installation >25' To 30', Add	*4.15*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.93*	
		For Elevated Installation >40', Add	*6.52*	
26 05 33 13-0532	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	24.51	9.47
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.79*	
		For Elevated Installation >20' To 25', Add	*4.74*	
		For Elevated Installation >25' To 30', Add	*6.63*	
		For Elevated Installation >30' To 35', Add	*7.58*	
		For Elevated Installation >35' To 40', Add	*9.48*	
		For Elevated Installation >40', Add	*10.42*	
26 05 33 13-0533	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	27.61	10.67
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
26 05 33 13-0534	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	31.41	11.85
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
26 05 33 13-0535	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	43.33	14.21
		For Work In Restricted Working Space, Add	*8.53*	
		For Elevated Installation >10' To 15', Add	*2.84*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.95*	
		For Elevated Installation >30' To 35', Add	*11.37*	
		For Elevated Installation >35' To 40', Add	*14.22*	
		For Elevated Installation >40', Add	*15.64*	
26 05 33 13-0536	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	52.60	17.77
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
26 05 33 13-0537	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	65.01	23.70
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
26 05 33 13-0538	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	79.16	29.61
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0539		Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0060)*		
26 05 33 13-0540	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	25.11	10.67
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
26 05 33 13-0541	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	29.81	11.85
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
26 05 33 13-0542	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	39.15	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
26 05 33 13-0543	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	53.49	17.77
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
26 05 33 13-0544	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	72.26	23.70
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
26 05 33 13-0545	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	106.96	29.61
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
26 05 33 13-0546	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	181.18	35.53
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
26 05 33 13-0547	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	228.90	41.46
		For Work In Restricted Working Space, Add	*24.88*	
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.59*	
		For Elevated Installation >20' To 25', Add	*20.73*	
		For Elevated Installation >25' To 30', Add	*29.03*	
		For Elevated Installation >30' To 35', Add	*33.17*	
		For Elevated Installation >35' To 40', Add	*41.47*	
		For Elevated Installation >40', Add	*45.61*	
26 05 33 13-0548	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	291.45	50.35
		For Work In Restricted Working Space, Add	*30.21*	
		For Elevated Installation >10' To 15', Add	*10.07*	
		For Elevated Installation >15' To 20', Add	*20.14*	
		For Elevated Installation >20' To 25', Add	*25.17*	
		For Elevated Installation >25' To 30', Add	*35.24*	
		For Elevated Installation >30' To 35', Add	*40.28*	
		For Elevated Installation >35' To 40', Add	*50.35*	
		For Elevated Installation >40', Add	*55.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0549	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	351.99	59.23
		For Work In Restricted Working Space, Add	*35.54*	
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0060)*

26 05 33 13-0551	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	35.73	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
26 05 33 13-0552	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	45.35	17.77
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
26 05 33 13-0553	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	64.51	23.70
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	84.58	29.61
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	104.08	35.53
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	155.11	41.46
		For Work In Restricted Working Space, Add	*24.88*	
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.59*	
		For Elevated Installation >20' To 25', Add	*20.73*	
		For Elevated Installation >25' To 30', Add	*29.03*	
		For Elevated Installation >30' To 35', Add	*33.17*	
		For Elevated Installation >35' To 40', Add	*41.47*	
		For Elevated Installation >40', Add	*45.61*	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	246.80	47.38
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	283.17	40.87
		For Work In Restricted Working Space, Add	*24.52*	
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	389.57	62.19
		For Work In Restricted Working Space, Add	*37.32*	
		For Elevated Installation >10' To 15', Add	*12.44*	
		For Elevated Installation >15' To 20', Add	*24.88*	
		For Elevated Installation >20' To 25', Add	*31.10*	
		For Elevated Installation >25' To 30', Add	*43.54*	
		For Elevated Installation >30' To 35', Add	*49.76*	
		For Elevated Installation >35' To 40', Add	*62.20*	
		For Elevated Installation >40', Add	*68.41*	
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	481.47	71.08
		For Work In Restricted Working Space, Add	*42.65*	
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.43*	
		For Elevated Installation >20' To 25', Add	*35.54*	
		For Elevated Installation >25' To 30', Add	*49.76*	
		For Elevated Installation >30' To 35', Add	*56.86*	
		For Elevated Installation >35' To 40', Add	*71.08*	
		For Elevated Installation >40', Add	*78.19*	

26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	6.21	2.96
		For Work In Restricted Working Space, Add	*1.78*	
		For Elevated Installation >10' To 15', Add	*0.59*	
		For Elevated Installation >15' To 20', Add	*1.18*	
		For Elevated Installation >20' To 25', Add	*1.48*	
		For Elevated Installation >25' To 30', Add	*2.07*	
		For Elevated Installation >30' To 35', Add	*2.37*	
		For Elevated Installation >35' To 40', Add	*2.96*	
		For Elevated Installation >40', Add	*3.26*	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	7.49	3.56
		For Work In Restricted Working Space, Add	*2.13*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.42*	
		For Elevated Installation >20' To 25', Add	*1.78*	
		For Elevated Installation >25' To 30', Add	*2.49*	
		For Elevated Installation >30' To 35', Add	*2.84*	
		For Elevated Installation >35' To 40', Add	*3.56*	
		For Elevated Installation >40', Add	*3.91*	
26 05 33 13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	8.89	4.15
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
26 05 33 13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	11.46	5.33
		For Work In Restricted Working Space, Add	*3.20*	
		For Elevated Installation >10' To 15', Add	*1.07*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.67*	
		For Elevated Installation >25' To 30', Add	*3.73*	
		For Elevated Installation >30' To 35', Add	*4.27*	
		For Elevated Installation >35' To 40', Add	*5.34*	
		For Elevated Installation >40', Add	*5.87*	
26 05 33 13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	12.95	5.92
		For Work In Restricted Working Space, Add	*3.56*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.96*	
		For Elevated Installation >25' To 30', Add	*4.15*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.93*	
		For Elevated Installation >40', Add	*6.52*	
26 05 33 13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	15.75	7.11
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	

26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	7.65	2.96
		For Work In Restricted Working Space, Add	*1.78*	
		For Elevated Installation >10' To 15', Add	*0.59*	
		For Elevated Installation >15' To 20', Add	*1.18*	
		For Elevated Installation >20' To 25', Add	*1.48*	
		For Elevated Installation >25' To 30', Add	*2.07*	
		For Elevated Installation >30' To 35', Add	*2.37*	
		For Elevated Installation >35' To 40', Add	*2.96*	
		For Elevated Installation >40', Add	*3.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	9.12	3.56
		For Work In Restricted Working Space, Add	*2.13*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.42*	
		For Elevated Installation >20' To 25', Add	*1.78*	
		For Elevated Installation >25' To 30', Add	*2.49*	
		For Elevated Installation >30' To 35', Add	*2.84*	
		For Elevated Installation >35' To 40', Add	*3.56*	
		For Elevated Installation >40', Add	*3.91*	
26 05 33 13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	11.07	4.15
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
26 05 33 13-0572	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	14.24	5.33
		For Work In Restricted Working Space, Add	*3.20*	
		For Elevated Installation >10' To 15', Add	*1.07*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.67*	
		For Elevated Installation >25' To 30', Add	*3.73*	
		For Elevated Installation >30' To 35', Add	*4.27*	
		For Elevated Installation >35' To 40', Add	*5.34*	
		For Elevated Installation >40', Add	*5.87*	
26 05 33 13-0573	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	17.55	5.92
		For Work In Restricted Working Space, Add	*3.56*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.96*	
		For Elevated Installation >25' To 30', Add	*4.15*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.93*	
		For Elevated Installation >40', Add	*6.52*	
26 05 33 13-0574	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal	21.22	7.11
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
26 05 33 13-0575	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	26.03	8.88
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
26 05 33 13-0576	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal	30.45	10.07
		For Work In Restricted Working Space, Add	*6.04*	
		For Elevated Installation >10' To 15', Add	*2.01*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.05*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.07*	
		For Elevated Installation >40', Add	*11.08*	
26 05 33 13-0577	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	37.02	11.26
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
26 05 33 13-0578	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal	43.51	12.44
		For Work In Restricted Working Space, Add	*7.46*	
		For Elevated Installation >10' To 15', Add	*2.49*	
		For Elevated Installation >15' To 20', Add	*4.98*	
		For Elevated Installation >20' To 25', Add	*6.22*	
		For Elevated Installation >25' To 30', Add	*8.71*	
		For Elevated Installation >30' To 35', Add	*9.95*	
		For Elevated Installation >35' To 40', Add	*12.44*	
		For Elevated Installation >40', Add	*13.68*	

26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0580	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	14.65	7.11
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-0581	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	17.33	8.29
		For Work In Restricted Working Space, Add	*4.98*	
		For Elevated Installation >10' To 15', Add	*1.66*	
		For Elevated Installation >15' To 20', Add	*3.32*	
		For Elevated Installation >20' To 25', Add	*4.15*	
		For Elevated Installation >25' To 30', Add	*5.81*	
		For Elevated Installation >30' To 35', Add	*6.64*	
		For Elevated Installation >35' To 40', Add	*8.30*	
		For Elevated Installation >40', Add	*9.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.98*	
26 05 33 13-0582	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	21.75	10.07
		For Work In Restricted Working Space, Add	*6.04*	
		For Elevated Installation >10' To 15', Add	*2.01*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.05*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.07*	
		For Elevated Installation >40', Add	*11.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	
26 05 33 13-0583	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	26.50	11.85
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-0584	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	33.21	14.81
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0585	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	41.38	17.77
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	
26 05 33 13-0586	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	52.58	20.73
		For Work In Restricted Working Space, Add	*12.44*	
		For Elevated Installation >10' To 15', Add	*4.15*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.37*	
		For Elevated Installation >25' To 30', Add	*14.51*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.73*	
		For Elevated Installation >40', Add	*22.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.44*	
26 05 33 13-0587	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	58.79	23.70
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.21*	
26 05 33 13-0588	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	73.48	26.65
		For Work In Restricted Working Space, Add	*15.99*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0589	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	101.49	29.61
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	

26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0060)*

26 05 33 13-0591	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	28.99	10.67
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
26 05 33 13-0592	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	33.68	12.44
		For Work In Restricted Working Space, Add	*7.46*	
		For Elevated Installation >10' To 15', Add	*2.49*	
		For Elevated Installation >15' To 20', Add	*4.98*	
		For Elevated Installation >20' To 25', Add	*6.22*	
		For Elevated Installation >25' To 30', Add	*8.71*	
		For Elevated Installation >30' To 35', Add	*9.95*	
		For Elevated Installation >35' To 40', Add	*12.44*	
		For Elevated Installation >40', Add	*13.68*	
26 05 33 13-0593	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	43.04	14.21
		For Work In Restricted Working Space, Add	*8.53*	
		For Elevated Installation >10' To 15', Add	*2.84*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.95*	
		For Elevated Installation >30' To 35', Add	*11.37*	
		For Elevated Installation >35' To 40', Add	*14.22*	
		For Elevated Installation >40', Add	*15.64*	
26 05 33 13-0594	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	55.20	17.77
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
26 05 33 13-0595	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	73.87	21.32
		For Work In Restricted Working Space, Add	*12.79*	
		For Elevated Installation >10' To 15', Add	*4.26*	
		For Elevated Installation >15' To 20', Add	*8.53*	
		For Elevated Installation >20' To 25', Add	*10.66*	
		For Elevated Installation >25' To 30', Add	*14.92*	
		For Elevated Installation >30' To 35', Add	*17.06*	
		For Elevated Installation >35' To 40', Add	*21.32*	
		For Elevated Installation >40', Add	*23.45*	
26 05 33 13-0596	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	99.19	24.88
		For Work In Restricted Working Space, Add	*14.93*	
		For Elevated Installation >10' To 15', Add	*4.98*	
		For Elevated Installation >15' To 20', Add	*9.95*	
		For Elevated Installation >20' To 25', Add	*12.44*	
		For Elevated Installation >25' To 30', Add	*17.42*	
		For Elevated Installation >30' To 35', Add	*19.90*	
		For Elevated Installation >35' To 40', Add	*24.88*	
		For Elevated Installation >40', Add	*27.37*	
26 05 33 13-0597	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	138.47	28.43
		For Work In Restricted Working Space, Add	*17.06*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.37*	
		For Elevated Installation >20' To 25', Add	*14.22*	
		For Elevated Installation >25' To 30', Add	*19.90*	
		For Elevated Installation >30' To 35', Add	*22.75*	
		For Elevated Installation >35' To 40', Add	*28.44*	
		For Elevated Installation >40', Add	*31.28*	
26 05 33 13-0598	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	243.94	35.53
		For Work In Restricted Working Space, Add	*21.32*	
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	

26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0600		**Electrical Metallic Tubing (EMT) Thinwall Conduit** *(26 05 33 13-0599)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	5.98	2.14
		For Work In Restricted Working Space, Add	*1.60*	
		For Elevated Installation >10' To 15', Add	*0.53*	
		For Elevated Installation >15' To 20', Add	*1.07*	
		For Elevated Installation >20' To 25', Add	*1.33*	
		For Elevated Installation >25' To 30', Add	*1.87*	
		For Elevated Installation >30' To 35', Add	*2.13*	
		For Elevated Installation >35' To 40', Add	*2.67*	
		For Elevated Installation >40', Add	*2.93*	
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.46*	
		For Installation In Metal Stud Wall, Add	*0.53*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.33*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.80*	
		For Factory Applied Color Coating, Add	*0.20*	
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	6.93	2.37
		For Work In Restricted Working Space, Add	*1.78*	
		For Elevated Installation >10' To 15', Add	*0.59*	
		For Elevated Installation >15' To 20', Add	*1.18*	
		For Elevated Installation >20' To 25', Add	*1.48*	
		For Elevated Installation >25' To 30', Add	*2.07*	
		For Elevated Installation >30' To 35', Add	*2.37*	
		For Elevated Installation >35' To 40', Add	*2.96*	
		For Elevated Installation >40', Add	*3.26*	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.55*	
		For Installation In Metal Stud Wall, Add	*0.59*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.48*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.89*	
		For Factory Applied Color Coating, Add	*0.30*	
26 05 33 13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit	8.21	2.61
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.30*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.28*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.26*	
		For Elevated Installation >40', Add	*3.59*	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000, Deduct	*-0.66*	
		For Installation In Metal Stud Wall, Add	*0.65*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.63*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.98*	
		For Factory Applied Color Coating, Add	*0.51*	
26 05 33 13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	10.01	2.94
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.57*	
		For Elevated Installation >30' To 35', Add	*2.94*	
		For Elevated Installation >35' To 40', Add	*3.68*	
		For Elevated Installation >40', Add	*4.04*	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.82*	
		For Installation In Metal Stud Wall, Add	*0.74*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.84*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.10*	
		For Factory Applied Color Coating, Add	*0.80*	
26 05 33 13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	11.60	3.32
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-0.95*	
		For Installation In Metal Stud Wall, Add	*0.83*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.07*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.24*	
		For Factory Applied Color Coating, Add	*0.99*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit	13.40	3.79
		For Work In Restricted Working Space, Add	*2.84*	
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.89*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.31*	
		For Elevated Installation >30' To 35', Add	*3.79*	
		For Elevated Installation >35' To 40', Add	*4.74*	
		For Elevated Installation >40', Add	*5.21*	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000, Deduct	*-1.10*	
		For Installation In Metal Stud Wall, Add	*0.95*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.37*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.42*	
		For Factory Applied Color Coating, Add	*1.18*	
26 05 33 13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	17.08	4.50
		For Work In Restricted Working Space, Add	*3.38*	
		For Elevated Installation >10' To 15', Add	*1.13*	
		For Elevated Installation >15' To 20', Add	*2.25*	
		For Elevated Installation >20' To 25', Add	*2.82*	
		For Elevated Installation >25' To 30', Add	*3.94*	
		For Elevated Installation >30' To 35', Add	*4.50*	
		For Elevated Installation >35' To 40', Add	*5.63*	
		For Elevated Installation >40', Add	*6.19*	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.43*	
		For Installation In Metal Stud Wall, Add	*1.13*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.82*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.69*	
		For Factory Applied Color Coating, Add	*1.75*	
26 05 33 13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit	20.31	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.61*	
		For Elevated Installation >20' To 25', Add	*3.26*	
		For Elevated Installation >25' To 30', Add	*4.56*	
		For Elevated Installation >30' To 35', Add	*5.21*	
		For Elevated Installation >35' To 40', Add	*6.52*	
		For Elevated Installation >40', Add	*7.17*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-1.71*	
		For Installation In Metal Stud Wall, Add	*1.30*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.26*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.95*	
		For Factory Applied Color Coating, Add	*2.18*	
26 05 33 13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	25.13	6.16
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.47*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000, Deduct	*-2.13*	
		For Installation In Metal Stud Wall, Add	*1.54*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.85*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.31*	
		For Factory Applied Color Coating, Add	*2.92*	
26 05 33 13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit	34.00	9.21
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-1.97*	
		For >1,000, Deduct	*-2.82*	
		For Installation In Metal Stud Wall, Add	*2.30*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.76*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.45*	
		For Factory Applied Color Coating, Add	*3.29*	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0612	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	15.26	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.61*	
		For Elevated Installation >20' To 25', Add	*3.26*	
		For Elevated Installation >25' To 30', Add	*4.56*	
		For Elevated Installation >30' To 35', Add	*5.21*	
		For Elevated Installation >35' To 40', Add	*6.52*	
		For Elevated Installation >40', Add	*7.17*	
26 05 33 13-0613	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	16.19	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
26 05 33 13-0614	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	19.71	6.64
		For Work In Restricted Working Space, Add	*4.98*	
		For Elevated Installation >10' To 15', Add	*1.66*	
		For Elevated Installation >15' To 20', Add	*3.32*	
		For Elevated Installation >20' To 25', Add	*4.15*	
		For Elevated Installation >25' To 30', Add	*5.81*	
		For Elevated Installation >30' To 35', Add	*6.64*	
		For Elevated Installation >35' To 40', Add	*8.30*	
		For Elevated Installation >40', Add	*9.12*	
26 05 33 13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	21.65	7.11
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
26 05 33 13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	25.68	8.53
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
26 05 33 13-0617	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	33.68	10.90
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15', Add	*2.72*	
		For Elevated Installation >15' To 20', Add	*5.45*	
		For Elevated Installation >20' To 25', Add	*6.81*	
		For Elevated Installation >25' To 30', Add	*9.53*	
		For Elevated Installation >30' To 35', Add	*10.90*	
		For Elevated Installation >35' To 40', Add	*13.62*	
		For Elevated Installation >40', Add	*14.98*	
26 05 33 13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	45.02	12.32
		For Work In Restricted Working Space, Add	*9.24*	
		For Elevated Installation >10' To 15', Add	*3.08*	
		For Elevated Installation >15' To 20', Add	*6.16*	
		For Elevated Installation >20' To 25', Add	*7.70*	
		For Elevated Installation >25' To 30', Add	*10.78*	
		For Elevated Installation >30' To 35', Add	*12.32*	
		For Elevated Installation >35' To 40', Add	*15.40*	
		For Elevated Installation >40', Add	*16.93*	
26 05 33 13-0619	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	57.33	13.74
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.02*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.89*	
26 05 33 13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	65.10	15.17
		For Work In Restricted Working Space, Add	*11.37*	
		For Elevated Installation >10' To 15', Add	*3.79*	
		For Elevated Installation >15' To 20', Add	*7.58*	
		For Elevated Installation >20' To 25', Add	*9.48*	
		For Elevated Installation >25' To 30', Add	*13.27*	
		For Elevated Installation >30' To 35', Add	*15.16*	
		For Elevated Installation >35' To 40', Add	*18.96*	
		For Elevated Installation >40', Add	*20.85*	
26 05 33 13-0621	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	137.69	40.30
		For Work In Restricted Working Space, Add	*30.22*	
		For Elevated Installation >10' To 15', Add	*10.07*	
		For Elevated Installation >15' To 20', Add	*20.15*	
		For Elevated Installation >20' To 25', Add	*25.19*	
		For Elevated Installation >25' To 30', Add	*35.26*	
		For Elevated Installation >30' To 35', Add	*40.30*	
		For Elevated Installation >35' To 40', Add	*50.37*	
		For Elevated Installation >40', Add	*55.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0622		**Electrical Metallic Tubing (EMT) 45 Degree Elbows** *(26 05 33 13-0599)* See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	15.02	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.61*	
		For Elevated Installation >20' To 25', Add	*3.26*	
		For Elevated Installation >25' To 30', Add	*4.56*	
		For Elevated Installation >30' To 35', Add	*5.21*	
		For Elevated Installation >35' To 40', Add	*6.52*	
		For Elevated Installation >40', Add	*7.17*	
26 05 33 13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	16.33	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
26 05 33 13-0625	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow	20.02	6.64
		For Work In Restricted Working Space, Add	*4.98*	
		For Elevated Installation >10' To 15', Add	*1.66*	
		For Elevated Installation >15' To 20', Add	*3.32*	
		For Elevated Installation >20' To 25', Add	*4.15*	
		For Elevated Installation >25' To 30', Add	*5.81*	
		For Elevated Installation >30' To 35', Add	*6.64*	
		For Elevated Installation >35' To 40', Add	*8.30*	
		For Elevated Installation >40', Add	*9.12*	
26 05 33 13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	22.24	7.11
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
26 05 33 13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	26.43	8.53
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
26 05 33 13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	33.44	10.90
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15', Add	*2.72*	
		For Elevated Installation >15' To 20', Add	*5.45*	
		For Elevated Installation >20' To 25', Add	*6.81*	
		For Elevated Installation >25' To 30', Add	*9.53*	
		For Elevated Installation >30' To 35', Add	*10.90*	
		For Elevated Installation >35' To 40', Add	*13.62*	
		For Elevated Installation >40', Add	*14.98*	
26 05 33 13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	47.20	12.32
		For Work In Restricted Working Space, Add	*9.24*	
		For Elevated Installation >10' To 15', Add	*3.08*	
		For Elevated Installation >15' To 20', Add	*6.16*	
		For Elevated Installation >20' To 25', Add	*7.70*	
		For Elevated Installation >25' To 30', Add	*10.78*	
		For Elevated Installation >30' To 35', Add	*12.32*	
		For Elevated Installation >35' To 40', Add	*15.40*	
		For Elevated Installation >40', Add	*16.93*	
26 05 33 13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow	59.06	13.74
		For Work In Restricted Working Space, Add	*10.31*	
		For Elevated Installation >10' To 15', Add	*3.44*	
		For Elevated Installation >15' To 20', Add	*6.87*	
		For Elevated Installation >20' To 25', Add	*8.59*	
		For Elevated Installation >25' To 30', Add	*12.02*	
		For Elevated Installation >30' To 35', Add	*13.74*	
		For Elevated Installation >35' To 40', Add	*17.18*	
		For Elevated Installation >40', Add	*18.89*	
26 05 33 13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	69.79	15.17
		For Work In Restricted Working Space, Add	*11.37*	
		For Elevated Installation >10' To 15', Add	*3.79*	
		For Elevated Installation >15' To 20', Add	*7.58*	
		For Elevated Installation >20' To 25', Add	*9.48*	
		For Elevated Installation >25' To 30', Add	*13.27*	
		For Elevated Installation >30' To 35', Add	*15.16*	
		For Elevated Installation >35' To 40', Add	*18.96*	
		For Elevated Installation >40', Add	*20.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	134.40	40.30
		For Work In Restricted Working Space, Add	*30.22*	
		For Elevated Installation >10' To 15', Add	*10.07*	
		For Elevated Installation >15' To 20', Add	*20.15*	
		For Elevated Installation >20' To 25', Add	*25.19*	
		For Elevated Installation >25' To 30', Add	*35.26*	
		For Elevated Installation >30' To 35', Add	*40.30*	
		For Elevated Installation >35' To 40', Add	*50.37*	
		For Elevated Installation >40', Add	*55.41*	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0599)*

26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	6.18	2.85
		For Work In Restricted Working Space, Add	*1.78*	
		For Elevated Installation >10' To 15', Add	*0.59*	
		For Elevated Installation >15' To 20', Add	*1.18*	
		For Elevated Installation >20' To 25', Add	*1.48*	
		For Elevated Installation >25' To 30', Add	*2.07*	
		For Elevated Installation >30' To 35', Add	*2.37*	
		For Elevated Installation >35' To 40', Add	*2.96*	
		For Elevated Installation >40', Add	*3.26*	
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.49	2.85
		For Work In Restricted Working Space, Add	*2.13*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.42*	
		For Elevated Installation >20' To 25', Add	*1.78*	
		For Elevated Installation >25' To 30', Add	*2.49*	
		For Elevated Installation >30' To 35', Add	*2.84*	
		For Elevated Installation >35' To 40', Add	*3.56*	
		For Elevated Installation >40', Add	*3.91*	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	8.87	3.32
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	11.92	4.26
		For Work In Restricted Working Space, Add	*3.20*	
		For Elevated Installation >10' To 15', Add	*1.07*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.67*	
		For Elevated Installation >25' To 30', Add	*3.73*	
		For Elevated Installation >30' To 35', Add	*4.26*	
		For Elevated Installation >35' To 40', Add	*5.33*	
		For Elevated Installation >40', Add	*5.86*	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	14.69	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.61*	
		For Elevated Installation >20' To 25', Add	*3.26*	
		For Elevated Installation >25' To 30', Add	*4.56*	
		For Elevated Installation >30' To 35', Add	*5.21*	
		For Elevated Installation >35' To 40', Add	*6.52*	
		For Elevated Installation >40', Add	*7.17*	
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	19.97	7.11
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.10*	
		For Elevated Installation >35' To 40', Add	*8.88*	
		For Elevated Installation >40', Add	*9.77*	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	27.57	9.47
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	35.62	10.90
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0642	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	40.29	11.85
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
26 05 33 13-0643	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	116.57	33.39
		For Work In Restricted Working Space, Add	*32.43*	
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.62*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.83*	
		For Elevated Installation >30' To 35', Add	*43.24*	
		For Elevated Installation >35' To 40', Add	*54.05*	
		For Elevated Installation >40', Add	*59.45*	

26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0645	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	7.75	2.85
		For Work In Restricted Working Space, Add	*2.13*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.42*	
		For Elevated Installation >20' To 25', Add	*1.78*	
		For Elevated Installation >25' To 30', Add	*2.49*	
		For Elevated Installation >30' To 35', Add	*2.84*	
		For Elevated Installation >35' To 40', Add	*3.56*	
		For Elevated Installation >40', Add	*3.91*	
26 05 33 13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	8.99	3.32
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
26 05 33 13-0647	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	12.82	4.74
		For Work In Restricted Working Space, Add	*3.56*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.96*	
		For Elevated Installation >25' To 30', Add	*4.15*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.93*	
		For Elevated Installation >40', Add	*6.52*	
26 05 33 13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	16.24	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
26 05 33 13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	19.45	6.64
		For Work In Restricted Working Space, Add	*4.98*	
		For Elevated Installation >10' To 15', Add	*1.66*	
		For Elevated Installation >15' To 20', Add	*3.32*	
		For Elevated Installation >20' To 25', Add	*4.15*	
		For Elevated Installation >25' To 30', Add	*5.81*	
		For Elevated Installation >30' To 35', Add	*6.64*	
		For Elevated Installation >35' To 40', Add	*8.30*	
		For Elevated Installation >40', Add	*9.12*	
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	25.82	8.53
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	40.18	11.38
		For Work In Restricted Working Space, Add	*8.53*	
		For Elevated Installation >10' To 15', Add	*2.84*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.95*	
		For Elevated Installation >30' To 35', Add	*11.37*	
		For Elevated Installation >35' To 40', Add	*14.22*	
		For Elevated Installation >40', Add	*15.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	46.52	13.27
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	58.16	16.59
		For Work In Restricted Working Space, Add	*12.44*	
		For Elevated Installation >10' To 15', Add	*4.15*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.37*	
		For Elevated Installation >25' To 30', Add	*14.51*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.73*	
		For Elevated Installation >40', Add	*22.80*	
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	74.61	21.32
		For Work In Restricted Working Space, Add	*15.99*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling	8.66	2.85
		For Work In Restricted Working Space, Add	*2.13*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.42*	
		For Elevated Installation >20' To 25', Add	*1.78*	
		For Elevated Installation >25' To 30', Add	*2.49*	
		For Elevated Installation >30' To 35', Add	*2.84*	
		For Elevated Installation >35' To 40', Add	*3.56*	
		For Elevated Installation >40', Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.13*	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	9.99	3.32
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	14.72	4.74
		For Work In Restricted Working Space, Add	*3.56*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.96*	
		For Elevated Installation >25' To 30', Add	*4.15*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.93*	
		For Elevated Installation >40', Add	*6.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.56*	
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	18.55	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	23.54	6.64
		For Work In Restricted Working Space, Add	*4.97*	
		For Elevated Installation >10' To 15', Add	*1.66*	
		For Elevated Installation >15' To 20', Add	*3.32*	
		For Elevated Installation >20' To 25', Add	*4.15*	
		For Elevated Installation >25' To 30', Add	*5.80*	
		For Elevated Installation >30' To 35', Add	*6.63*	
		For Elevated Installation >35' To 40', Add	*8.29*	
		For Elevated Installation >40', Add	*9.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	28.69	8.06
		For Work In Restricted Working Space, Add	*6.04*	
		For Elevated Installation >10' To 15', Add	*2.01*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.05*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.07*	
		For Elevated Installation >40', Add	*11.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	38.62	10.90
		For Work In Restricted Working Space, Add	*8.17*	
		For Elevated Installation >10' To 15', Add	*2.72*	
		For Elevated Installation >15' To 20', Add	*5.45*	
		For Elevated Installation >20' To 25', Add	*6.81*	
		For Elevated Installation >25' To 30', Add	*9.53*	
		For Elevated Installation >30' To 35', Add	*10.90*	
		For Elevated Installation >35' To 40', Add	*13.62*	
		For Elevated Installation >40', Add	*14.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0663	EA	3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	48.63	13.27
		For Work In Restricted Working Space, Add	*9.95*	
		For Elevated Installation >10' To 15', Add	*3.32*	
		For Elevated Installation >15' To 20', Add	*6.63*	
		For Elevated Installation >20' To 25', Add	*8.29*	
		For Elevated Installation >25' To 30', Add	*11.61*	
		For Elevated Installation >30' To 35', Add	*13.27*	
		For Elevated Installation >35' To 40', Add	*16.59*	
		For Elevated Installation >40', Add	*18.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	63.82	16.59
		For Work In Restricted Working Space, Add	*12.44*	
		For Elevated Installation >10' To 15', Add	*4.15*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.37*	
		For Elevated Installation >25' To 30', Add	*14.51*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.73*	
		For Elevated Installation >40', Add	*22.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.44*	
26 05 33 13-0665	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	78.31	21.32
		For Work In Restricted Working Space, Add	*15.99*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.99*	

26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing *(26 05 33 13-0599)*

26 05 33 13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	8.03	3.20
		For Work In Restricted Working Space, Add	*2.38*	
		For Elevated Installation >10' To 15', Add	*0.79*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.78*	
		For Elevated Installation >30' To 35', Add	*3.18*	
		For Elevated Installation >35' To 40', Add	*3.97*	
		For Elevated Installation >40', Add	*4.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.38*	
26 05 33 13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing	8.78	3.44
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15', Add	*0.87*	
		For Elevated Installation >15' To 20', Add	*1.73*	
		For Elevated Installation >20' To 25', Add	*2.16*	
		For Elevated Installation >25' To 30', Add	*3.03*	
		For Elevated Installation >30' To 35', Add	*3.46*	
		For Elevated Installation >35' To 40', Add	*4.33*	
		For Elevated Installation >40', Add	*4.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.60*	
26 05 33 13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing	10.97	4.26
		For Work In Restricted Working Space, Add	*3.16*	
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.11*	
		For Elevated Installation >20' To 25', Add	*2.64*	
		For Elevated Installation >25' To 30', Add	*3.69*	
		For Elevated Installation >30' To 35', Add	*4.22*	
		For Elevated Installation >35' To 40', Add	*5.27*	
		For Elevated Installation >40', Add	*5.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	
26 05 33 13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	14.03	5.45
		For Work In Restricted Working Space, Add	*4.05*	
		For Elevated Installation >10' To 15', Add	*1.35*	
		For Elevated Installation >15' To 20', Add	*2.70*	
		For Elevated Installation >20' To 25', Add	*3.38*	
		For Elevated Installation >25' To 30', Add	*4.73*	
		For Elevated Installation >30' To 35', Add	*5.40*	
		For Elevated Installation >35' To 40', Add	*6.75*	
		For Elevated Installation >40', Add	*7.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	16.59	6.27
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing	20.35	7.58
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.79*	
		For Elevated Installation >20' To 25', Add	*4.74*	
		For Elevated Installation >25' To 30', Add	*6.63*	
		For Elevated Installation >30' To 35', Add	*7.58*	
		For Elevated Installation >35' To 40', Add	*9.48*	
		For Elevated Installation >40', Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	29.32	10.54
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.15*	
		For Elevated Installation >40', Add	*14.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing	38.90	13.98
		For Work In Restricted Working Space, Add	*10.52*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.27*	
		For Elevated Installation >30' To 35', Add	*14.02*	
		For Elevated Installation >35' To 40', Add	*17.53*	
		For Elevated Installation >40', Add	*19.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.52*	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	49.87	18.00
		For Work In Restricted Working Space, Add	*13.54*	
		For Elevated Installation >10' To 15', Add	*4.51*	
		For Elevated Installation >15' To 20', Add	*9.03*	
		For Elevated Installation >20' To 25', Add	*11.29*	
		For Elevated Installation >25' To 30', Add	*15.80*	
		For Elevated Installation >30' To 35', Add	*18.06*	
		For Elevated Installation >35' To 40', Add	*22.57*	
		For Elevated Installation >40', Add	*24.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 05 33 13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing	64.50	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	

26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	6.13	2.37
		For Work In Restricted Working Space, Add	*1.78*	
		For Elevated Installation >10' To 15', Add	*0.59*	
		For Elevated Installation >15' To 20', Add	*1.18*	
		For Elevated Installation >20' To 25', Add	*1.48*	
		For Elevated Installation >25' To 30', Add	*2.07*	
		For Elevated Installation >30' To 35', Add	*2.37*	
		For Elevated Installation >35' To 40', Add	*2.96*	
		For Elevated Installation >40', Add	*3.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.78*	
26 05 33 13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.44	2.85
		For Work In Restricted Working Space, Add	*2.13*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.42*	
		For Elevated Installation >20' To 25', Add	*1.78*	
		For Elevated Installation >25' To 30', Add	*2.49*	
		For Elevated Installation >30' To 35', Add	*2.84*	
		For Elevated Installation >35' To 40', Add	*3.56*	
		For Elevated Installation >40', Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0680	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	8.87	3.32
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0681	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	12.91	4.74
		For Work In Restricted Working Space, Add	*3.56*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.96*	
		For Elevated Installation >25' To 30', Add	*4.15*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.93*	
		For Elevated Installation >40', Add	*6.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.56*	
26 05 33 13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	15.75	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	20.05	7.11
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	30.05	9.47
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	37.37	11.85
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	44.25	14.21
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	51.56	16.59
		For Work In Restricted Working Space, Add	*12.44*	
		For Elevated Installation >10' To 15', Add	*4.15*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.37*	
		For Elevated Installation >25' To 30', Add	*14.51*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.73*	
		For Elevated Installation >40', Add	*22.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.44*	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.28	3.20
		For Work In Restricted Working Space, Add	*2.38*	
		For Elevated Installation >10' To 15', Add	*0.79*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.78*	
		For Elevated Installation >30' To 35', Add	*3.18*	
		For Elevated Installation >35' To 40', Add	*3.97*	
		For Elevated Installation >40', Add	*4.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.38*	
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.19	3.44
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15', Add	*0.87*	
		For Elevated Installation >15' To 20', Add	*1.73*	
		For Elevated Installation >20' To 25', Add	*2.16*	
		For Elevated Installation >25' To 30', Add	*3.03*	
		For Elevated Installation >30' To 35', Add	*3.46*	
		For Elevated Installation >35' To 40', Add	*4.33*	
		For Elevated Installation >40', Add	*4.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.60*	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.51	4.26
		For Work In Restricted Working Space, Add	*3.16*	
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.11*	
		For Elevated Installation >20' To 25', Add	*2.64*	
		For Elevated Installation >25' To 30', Add	*3.69*	
		For Elevated Installation >30' To 35', Add	*4.22*	
		For Elevated Installation >35' To 40', Add	*5.27*	
		For Elevated Installation >40', Add	*5.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	
26 05 33 13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	15.11	5.45
		For Work In Restricted Working Space, Add	*4.05*	
		For Elevated Installation >10' To 15', Add	*1.35*	
		For Elevated Installation >15' To 20', Add	*2.70*	
		For Elevated Installation >20' To 25', Add	*3.38*	
		For Elevated Installation >25' To 30', Add	*4.73*	
		For Elevated Installation >30' To 35', Add	*5.40*	
		For Elevated Installation >35' To 40', Add	*6.75*	
		For Elevated Installation >40', Add	*7.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	17.90	6.27
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	21.89	7.58
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.79*	
		For Elevated Installation >20' To 25', Add	*4.74*	
		For Elevated Installation >25' To 30', Add	*6.63*	
		For Elevated Installation >30' To 35', Add	*7.58*	
		For Elevated Installation >35' To 40', Add	*9.48*	
		For Elevated Installation >40', Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	35.91	10.54
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.15*	
		For Elevated Installation >40', Add	*14.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	46.55	13.98
		For Work In Restricted Working Space, Add	*10.52*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.27*	
		For Elevated Installation >30' To 35', Add	*14.02*	
		For Elevated Installation >35' To 40', Add	*17.53*	
		For Elevated Installation >40', Add	*19.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.52*	
26 05 33 13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	59.51	18.00
		For Work In Restricted Working Space, Add	*13.54*	
		For Elevated Installation >10' To 15', Add	*4.51*	
		For Elevated Installation >15' To 20', Add	*9.03*	
		For Elevated Installation >20' To 25', Add	*11.29*	
		For Elevated Installation >25' To 30', Add	*15.80*	
		For Elevated Installation >30' To 35', Add	*18.06*	
		For Elevated Installation >35' To 40', Add	*22.57*	
		For Elevated Installation >40', Add	*24.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0698	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	75.04	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	

26 05 33 13-0699 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0700	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.44	2.85
		For Work In Restricted Working Space, Add	*2.13*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.42*	
		For Elevated Installation >20' To 25', Add	*1.78*	
		For Elevated Installation >25' To 30', Add	*2.49*	
		For Elevated Installation >30' To 35', Add	*2.84*	
		For Elevated Installation >35' To 40', Add	*3.56*	
		For Elevated Installation >40', Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.13*	
26 05 33 13-0701	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.79	3.32
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0702	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	12.56	4.74
		For Work In Restricted Working Space, Add	*3.56*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.96*	
		For Elevated Installation >25' To 30', Add	*4.15*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.93*	
		For Elevated Installation >40', Add	*6.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.56*	
26 05 33 13-0703	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	15.55	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-0704	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	18.47	6.64
		For Work In Restricted Working Space, Add	*4.98*	
		For Elevated Installation >10' To 15', Add	*1.66*	
		For Elevated Installation >15' To 20', Add	*3.32*	
		For Elevated Installation >20' To 25', Add	*4.15*	
		For Elevated Installation >25' To 30', Add	*5.81*	
		For Elevated Installation >30' To 35', Add	*6.64*	
		For Elevated Installation >35' To 40', Add	*8.30*	
		For Elevated Installation >40', Add	*9.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.98*	
26 05 33 13-0705	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	24.05	8.53
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-0706	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	36.65	11.38
		For Work In Restricted Working Space, Add	*8.53*	
		For Elevated Installation >10' To 15', Add	*2.84*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.95*	
		For Elevated Installation >30' To 35', Add	*11.37*	
		For Elevated Installation >35' To 40', Add	*14.22*	
		For Elevated Installation >40', Add	*15.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	46.28	14.21
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	58.02	16.59
		For Work In Restricted Working Space, Add	*12.44*	
		For Elevated Installation >10' To 15', Add	*4.15*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.37*	
		For Elevated Installation >25' To 30', Add	*14.51*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.73*	
		For Elevated Installation >40', Add	*22.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.44*	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	65.34	18.95
		For Work In Restricted Working Space, Add	*14.21*	
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.21*	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.50	3.20
		For Work In Restricted Working Space, Add	*2.38*	
		For Elevated Installation >10' To 15', Add	*0.79*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.78*	
		For Elevated Installation >30' To 35', Add	*3.18*	
		For Elevated Installation >35' To 40', Add	*3.97*	
		For Elevated Installation >40', Add	*4.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.38*	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	9.43	3.44
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15', Add	*0.87*	
		For Elevated Installation >15' To 20', Add	*1.73*	
		For Elevated Installation >20' To 25', Add	*2.16*	
		For Elevated Installation >25' To 30', Add	*3.03*	
		For Elevated Installation >30' To 35', Add	*3.46*	
		For Elevated Installation >35' To 40', Add	*4.33*	
		For Elevated Installation >40', Add	*4.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.60*	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	11.70	4.26
		For Work In Restricted Working Space, Add	*3.16*	
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.11*	
		For Elevated Installation >20' To 25', Add	*2.64*	
		For Elevated Installation >25' To 30', Add	*3.69*	
		For Elevated Installation >30' To 35', Add	*4.22*	
		For Elevated Installation >35' To 40', Add	*5.27*	
		For Elevated Installation >40', Add	*5.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	15.67	5.45
		For Work In Restricted Working Space, Add	*4.05*	
		For Elevated Installation >10' To 15', Add	*1.35*	
		For Elevated Installation >15' To 20', Add	*2.70*	
		For Elevated Installation >20' To 25', Add	*3.38*	
		For Elevated Installation >25' To 30', Add	*4.73*	
		For Elevated Installation >30' To 35', Add	*5.40*	
		For Elevated Installation >35' To 40', Add	*6.75*	
		For Elevated Installation >40', Add	*7.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	18.83	6.27
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	23.24	7.58
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.79*	
		For Elevated Installation >20' To 25', Add	*4.74*	
		For Elevated Installation >25' To 30', Add	*6.63*	
		For Elevated Installation >30' To 35', Add	*7.58*	
		For Elevated Installation >35' To 40', Add	*9.48*	
		For Elevated Installation >40', Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0717	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	40.87	10.54
		For Work In Restricted Working Space, Add	*7.89*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.26*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.21*	
		For Elevated Installation >30' To 35', Add	*10.52*	
		For Elevated Installation >35' To 40', Add	*13.15*	
		For Elevated Installation >40', Add	*14.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 33 13-0718	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	54.88	13.98
		For Work In Restricted Working Space, Add	*10.52*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.27*	
		For Elevated Installation >30' To 35', Add	*14.02*	
		For Elevated Installation >35' To 40', Add	*17.53*	
		For Elevated Installation >40', Add	*19.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.52*	
26 05 33 13-0719	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	74.10	18.00
		For Work In Restricted Working Space, Add	*13.54*	
		For Elevated Installation >10' To 15', Add	*4.51*	
		For Elevated Installation >15' To 20', Add	*9.03*	
		For Elevated Installation >20' To 25', Add	*11.29*	
		For Elevated Installation >25' To 30', Add	*15.80*	
		For Elevated Installation >30' To 35', Add	*18.06*	
		For Elevated Installation >35' To 40', Add	*22.57*	
		For Elevated Installation >40', Add	*24.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 05 33 13-0720	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	93.10	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	

26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0599)*

Note: Excludes jumper.

26 05 33 13-0722	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	62.39	15.76
		For Work In Restricted Working Space, Add	*11.83*	
		For Elevated Installation >10' To 15', Add	*3.94*	
		For Elevated Installation >15' To 20', Add	*7.88*	
		For Elevated Installation >20' To 25', Add	*9.86*	
		For Elevated Installation >25' To 30', Add	*13.80*	
		For Elevated Installation >30' To 35', Add	*15.77*	
		For Elevated Installation >35' To 40', Add	*19.71*	
		For Elevated Installation >40', Add	*21.68*	
26 05 33 13-0723	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	75.19	19.08
		For Work In Restricted Working Space, Add	*14.34*	
		For Elevated Installation >10' To 15', Add	*4.78*	
		For Elevated Installation >15' To 20', Add	*9.56*	
		For Elevated Installation >20' To 25', Add	*11.95*	
		For Elevated Installation >25' To 30', Add	*16.73*	
		For Elevated Installation >30' To 35', Add	*19.12*	
		For Elevated Installation >35' To 40', Add	*23.90*	
		For Elevated Installation >40', Add	*26.28*	
26 05 33 13-0724	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	92.45	23.93
		For Work In Restricted Working Space, Add	*17.92*	
		For Elevated Installation >10' To 15', Add	*5.97*	
		For Elevated Installation >15' To 20', Add	*11.95*	
		For Elevated Installation >20' To 25', Add	*14.93*	
		For Elevated Installation >25' To 30', Add	*20.91*	
		For Elevated Installation >30' To 35', Add	*23.89*	
		For Elevated Installation >35' To 40', Add	*29.87*	
		For Elevated Installation >40', Add	*32.85*	
26 05 33 13-0725	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	119.32	29.38
		For Work In Restricted Working Space, Add	*22.04*	
		For Elevated Installation >10' To 15', Add	*7.35*	
		For Elevated Installation >15' To 20', Add	*14.70*	
		For Elevated Installation >20' To 25', Add	*18.37*	
		For Elevated Installation >25' To 30', Add	*25.72*	
		For Elevated Installation >30' To 35', Add	*29.39*	
		For Elevated Installation >35' To 40', Add	*36.74*	
		For Elevated Installation >40', Add	*40.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	147.95	34.47
		For Work In Restricted Working Space, Add	*25.85*	
		For Elevated Installation >10' To 15', Add	*8.62*	
		For Elevated Installation >15' To 20', Add	*17.24*	
		For Elevated Installation >20' To 25', Add	*21.55*	
		For Elevated Installation >25' To 30', Add	*30.16*	
		For Elevated Installation >30' To 35', Add	*34.47*	
		For Elevated Installation >35' To 40', Add	*43.09*	
		For Elevated Installation >40', Add	*47.40*	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	185.27	41.94
		For Work In Restricted Working Space, Add	*31.48*	
		For Elevated Installation >10' To 15', Add	*10.49*	
		For Elevated Installation >15' To 20', Add	*20.99*	
		For Elevated Installation >20' To 25', Add	*26.24*	
		For Elevated Installation >25' To 30', Add	*36.73*	
		For Elevated Installation >30' To 35', Add	*41.98*	
		For Elevated Installation >35' To 40', Add	*52.47*	
		For Elevated Installation >40', Add	*57.72*	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	349.80	53.90
		For Work In Restricted Working Space, Add	*40.43*	
		For Elevated Installation >10' To 15', Add	*13.48*	
		For Elevated Installation >15' To 20', Add	*26.96*	
		For Elevated Installation >20' To 25', Add	*33.70*	
		For Elevated Installation >25' To 30', Add	*47.17*	
		For Elevated Installation >30' To 35', Add	*53.91*	
		For Elevated Installation >35' To 40', Add	*67.39*	
		For Elevated Installation >40', Add	*74.13*	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	427.41	63.02
		For Work In Restricted Working Space, Add	*47.28*	
		For Elevated Installation >10' To 15', Add	*15.76*	
		For Elevated Installation >15' To 20', Add	*31.52*	
		For Elevated Installation >20' To 25', Add	*39.40*	
		For Elevated Installation >25' To 30', Add	*55.16*	
		For Elevated Installation >30' To 35', Add	*63.04*	
		For Elevated Installation >35' To 40', Add	*78.80*	
		For Elevated Installation >40', Add	*86.68*	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	523.64	68.70
		For Work In Restricted Working Space, Add	*51.55*	
		For Elevated Installation >10' To 15', Add	*17.18*	
		For Elevated Installation >15' To 20', Add	*34.36*	
		For Elevated Installation >20' To 25', Add	*42.96*	
		For Elevated Installation >25' To 30', Add	*60.14*	
		For Elevated Installation >30' To 35', Add	*68.73*	
		For Elevated Installation >35' To 40', Add	*85.91*	
		For Elevated Installation >40', Add	*94.50*	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	566.98	75.81
		For Work In Restricted Working Space, Add	*56.88*	
		For Elevated Installation >10' To 15', Add	*18.96*	
		For Elevated Installation >15' To 20', Add	*37.92*	
		For Elevated Installation >20' To 25', Add	*47.40*	
		For Elevated Installation >25' To 30', Add	*66.36*	
		For Elevated Installation >30' To 35', Add	*75.84*	
		For Elevated Installation >35' To 40', Add	*94.80*	
		For Elevated Installation >40', Add	*104.28*	

26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0599)

26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.90	4.26
		For Work In Restricted Working Space, Add	*3.15*	
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.10*	
		For Elevated Installation >20' To 25', Add	*2.63*	
		For Elevated Installation >25' To 30', Add	*3.68*	
		For Elevated Installation >30' To 35', Add	*4.20*	
		For Elevated Installation >35' To 40', Add	*5.26*	
		For Elevated Installation >40', Add	*5.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.15*	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.65	4.26
		For Work In Restricted Working Space, Add	*3.15*	
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.10*	
		For Elevated Installation >20' To 25', Add	*2.63*	
		For Elevated Installation >25' To 30', Add	*3.68*	
		For Elevated Installation >30' To 35', Add	*4.20*	
		For Elevated Installation >35' To 40', Add	*5.26*	
		For Elevated Installation >40', Add	*5.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.15*	
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.15	4.62
		For Work In Restricted Working Space, Add	*3.51*	
		For Elevated Installation >10' To 15', Add	*1.17*	
		For Elevated Installation >15' To 20', Add	*2.34*	
		For Elevated Installation >20' To 25', Add	*2.92*	
		For Elevated Installation >25' To 30', Add	*4.09*	
		For Elevated Installation >30' To 35', Add	*4.68*	
		For Elevated Installation >35' To 40', Add	*5.85*	
		For Elevated Installation >40', Add	*6.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	16.45	5.33
		For Work In Restricted Working Space, Add	*3.99*	
		For Elevated Installation >10' To 15', Add	*1.33*	
		For Elevated Installation >15' To 20', Add	*2.66*	
		For Elevated Installation >20' To 25', Add	*3.33*	
		For Elevated Installation >25' To 30', Add	*4.66*	
		For Elevated Installation >30' To 35', Add	*5.32*	
		For Elevated Installation >35' To 40', Add	*6.65*	
		For Elevated Installation >40', Add	*7.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.99*	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	23.22	6.40
		For Work In Restricted Working Space, Add	*4.83*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.22*	
		For Elevated Installation >20' To 25', Add	*4.02*	
		For Elevated Installation >25' To 30', Add	*5.63*	
		For Elevated Installation >30' To 35', Add	*6.44*	
		For Elevated Installation >35' To 40', Add	*8.05*	
		For Elevated Installation >40', Add	*8.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.83*	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	28.30	7.35
		For Work In Restricted Working Space, Add	*5.51*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.60*	
		For Elevated Installation >25' To 30', Add	*6.43*	
		For Elevated Installation >30' To 35', Add	*7.35*	
		For Elevated Installation >35' To 40', Add	*9.19*	
		For Elevated Installation >40', Add	*10.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.51*	
26 05 33 13-0739	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	36.81	9.24
		For Work In Restricted Working Space, Add	*6.89*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.59*	
		For Elevated Installation >20' To 25', Add	*5.74*	
		For Elevated Installation >25' To 30', Add	*8.04*	
		For Elevated Installation >30' To 35', Add	*9.19*	
		For Elevated Installation >35' To 40', Add	*11.49*	
		For Elevated Installation >40', Add	*12.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.89*	

26 05 33 13-0740 Electrical Metallic Tubing (EMT) Pulling Elbows *(26 05 33 13-0599)*

26 05 33 13-0741	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	24.92	10.67
		For Work In Restricted Working Space, Add	*6.40*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-0742	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	29.06	12.44
		For Work In Restricted Working Space, Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*4.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.46*	
26 05 33 13-0743	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	35.89	14.21
		For Work In Restricted Working Space, Add	*8.53*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.53*	
26 05 33 13-0744	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	45.80	17.77
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	

26 05 33 13-0745 Intermediate Metal Conduit (IMC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0745)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0747	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	8.77	2.37
		For Elevated Installation >10' To 15', Add	*0.62*	
		For Elevated Installation >15' To 20', Add	*1.23*	
		For Elevated Installation >20' To 25', Add	*1.54*	
		For Elevated Installation >25' To 30', Add	*2.16*	
		For Elevated Installation >30' To 35', Add	*2.46*	
		For Elevated Installation >35' To 40', Add	*3.08*	
		For Elevated Installation >40', Add	*3.39*	
		For Work In Restricted Working Space, Add	*1.85*	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.26*	
		For Installation In Metal Stud Wall, Add	*0.62*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.54*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	10.46	2.61
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.57*	
		For Elevated Installation >30' To 35', Add	*2.94*	
		For Elevated Installation >35' To 40', Add	*3.68*	
		For Elevated Installation >40', Add	*4.04*	
		For Work In Restricted Working Space, Add	*2.21*	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000, Deduct	*-0.31*	
		For Installation In Metal Stud Wall, Add	*0.74*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.84*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.10*	
26 05 33 13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	14.05	2.85
		For Elevated Installation >10' To 15', Add	*0.92*	
		For Elevated Installation >15' To 20', Add	*1.85*	
		For Elevated Installation >20' To 25', Add	*2.31*	
		For Elevated Installation >25' To 30', Add	*3.23*	
		For Elevated Installation >30' To 35', Add	*3.70*	
		For Elevated Installation >35' To 40', Add	*4.62*	
		For Elevated Installation >40', Add	*5.08*	
		For Work In Restricted Working Space, Add	*2.77*	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.48*	
		For Installation In Metal Stud Wall, Add	*0.92*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.31*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.39*	
26 05 33 13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	16.27	5.68
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.04*	
		For Elevated Installation >20' To 25', Add	*2.55*	
		For Elevated Installation >25' To 30', Add	*3.56*	
		For Elevated Installation >30' To 35', Add	*4.07*	
		For Elevated Installation >35' To 40', Add	*5.09*	
		For Elevated Installation >40', Add	*5.60*	
		For Work In Restricted Working Space, Add	*3.05*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For Installation In Metal Stud Wall, Add	*1.02*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.55*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.53*	
26 05 33 13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	18.33	3.79
		For Elevated Installation >10' To 15', Add	*1.11*	
		For Elevated Installation >15' To 20', Add	*2.23*	
		For Elevated Installation >20' To 25', Add	*2.79*	
		For Elevated Installation >25' To 30', Add	*3.90*	
		For Elevated Installation >30' To 35', Add	*4.46*	
		For Elevated Installation >35' To 40', Add	*5.57*	
		For Elevated Installation >40', Add	*6.13*	
		For Work In Restricted Working Space, Add	*3.34*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000, Deduct	*-0.72*	
		For Installation In Metal Stud Wall, Add	*1.11*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.79*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.67*	
26 05 33 13-0752	LF	2" Intermediate Metal Conduit (IMC) Conduit	23.25	4.26
		For Elevated Installation >10' To 15', Add	*1.35*	
		For Elevated Installation >15' To 20', Add	*2.70*	
		For Elevated Installation >20' To 25', Add	*3.38*	
		For Elevated Installation >25' To 30', Add	*4.73*	
		For Elevated Installation >30' To 35', Add	*5.40*	
		For Elevated Installation >35' To 40', Add	*6.75*	
		For Elevated Installation >40', Add	*7.43*	
		For Work In Restricted Working Space, Add	*4.05*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.98*	
		For Installation In Metal Stud Wall, Add	*1.35*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.38*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.03*	
26 05 33 13-0753	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	39.50	5.68
		For Elevated Installation >10' To 15', Add	*1.79*	
		For Elevated Installation >15' To 20', Add	*3.58*	
		For Elevated Installation >20' To 25', Add	*4.47*	
		For Elevated Installation >25' To 30', Add	*6.26*	
		For Elevated Installation >30' To 35', Add	*7.16*	
		For Elevated Installation >35' To 40', Add	*8.95*	
		For Elevated Installation >40', Add	*9.84*	
		For Work In Restricted Working Space, Add	*5.37*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.16*	
		For Installation In Metal Stud Wall, Add	*1.79*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.47*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0754	LF	3" Intermediate Metal Conduit (IMC) Conduit	50.30	7.11
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
		For Work In Restricted Working Space, Add	*7.11*	
		For >250 To 500, Deduct	*-1.33*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.66*	
		For Installation In Metal Stud Wall, Add	*2.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.93*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.56*	
26 05 33 13-0755	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	57.93	8.53
		For Elevated Installation >10' To 15', Add	*2.71*	
		For Elevated Installation >15' To 20', Add	*5.42*	
		For Elevated Installation >20' To 25', Add	*6.78*	
		For Elevated Installation >25' To 30', Add	*9.49*	
		For Elevated Installation >30' To 35', Add	*10.85*	
		For Elevated Installation >35' To 40', Add	*13.56*	
		For Elevated Installation >40', Add	*14.92*	
		For Work In Restricted Working Space, Add	*8.14*	
		For >250 To 500, Deduct	*-1.54*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000, Deduct	*-3.08*	
		For Installation In Metal Stud Wall, Add	*2.71*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.78*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.07*	
26 05 33 13-0756	LF	4" Intermediate Metal Conduit (IMC) Conduit	67.89	9.95
		For Elevated Installation >10' To 15', Add	*3.16*	
		For Elevated Installation >15' To 20', Add	*6.33*	
		For Elevated Installation >20' To 25', Add	*7.91*	
		For Elevated Installation >25' To 30', Add	*11.07*	
		For Elevated Installation >30' To 35', Add	*12.65*	
		For Elevated Installation >35' To 40', Add	*15.82*	
		For Elevated Installation >40', Add	*17.40*	
		For Work In Restricted Working Space, Add	*9.49*	
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-2.72*	
		For >1,000, Deduct	*-3.63*	
		For Installation In Metal Stud Wall, Add	*3.16*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.91*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.74*	

26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0745)*

See CSI section 26 05 33 13-2319 for conduit field bending.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0758	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	40.82	11.73
		For Elevated Installation >10' To 15', Add	*2.94*	
		For Elevated Installation >15' To 20', Add	*5.88*	
		For Elevated Installation >20' To 25', Add	*7.35*	
		For Elevated Installation >25' To 30', Add	*10.29*	
		For Elevated Installation >30' To 35', Add	*11.76*	
		For Elevated Installation >35' To 40', Add	*14.71*	
		For Elevated Installation >40', Add	*16.18*	
		For Work In Restricted Working Space, Add	*8.82*	
26 05 33 13-0759	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	49.38	14.57
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.31*	
		For Elevated Installation >20' To 25', Add	*9.14*	
		For Elevated Installation >25' To 30', Add	*12.80*	
		For Elevated Installation >30' To 35', Add	*14.63*	
		For Elevated Installation >35' To 40', Add	*18.29*	
		For Elevated Installation >40', Add	*20.11*	
		For Work In Restricted Working Space, Add	*10.97*	
26 05 33 13-0760	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	62.80	17.89
		For Elevated Installation >10' To 15', Add	*4.46*	
		For Elevated Installation >15' To 20', Add	*8.92*	
		For Elevated Installation >20' To 25', Add	*11.15*	
		For Elevated Installation >25' To 30', Add	*15.61*	
		For Elevated Installation >30' To 35', Add	*17.84*	
		For Elevated Installation >35' To 40', Add	*22.30*	
		For Elevated Installation >40', Add	*24.53*	
		For Work In Restricted Working Space, Add	*13.38*	
26 05 33 13-0761	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	77.30	20.73
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.36*	
		For Elevated Installation >20' To 25', Add	*12.95*	
		For Elevated Installation >25' To 30', Add	*18.12*	
		For Elevated Installation >30' To 35', Add	*20.71*	
		For Elevated Installation >35' To 40', Add	*25.89*	
		For Elevated Installation >40', Add	*28.48*	
		For Work In Restricted Working Space, Add	*15.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	91.71	23.81
		For Elevated Installation >10' To 15', Add	*5.94*	
		For Elevated Installation >15' To 20', Add	*11.89*	
		For Elevated Installation >20' To 25', Add	*14.86*	
		For Elevated Installation >25' To 30', Add	*20.80*	
		For Elevated Installation >30' To 35', Add	*23.77*	
		For Elevated Installation >35' To 40', Add	*29.72*	
		For Elevated Installation >40', Add	*32.69*	
		For Work In Restricted Working Space, Add	*17.83*	
26 05 33 13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	111.85	26.18
		For Elevated Installation >10' To 15', Add	*6.54*	
		For Elevated Installation >15' To 20', Add	*13.08*	
		For Elevated Installation >20' To 25', Add	*16.35*	
		For Elevated Installation >25' To 30', Add	*22.88*	
		For Elevated Installation >30' To 35', Add	*26.15*	
		For Elevated Installation >35' To 40', Add	*32.69*	
		For Elevated Installation >40', Add	*35.96*	
		For Work In Restricted Working Space, Add	*19.61*	
26 05 33 13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	160.63	32.70
		For Elevated Installation >10' To 15', Add	*8.17*	
		For Elevated Installation >15' To 20', Add	*16.35*	
		For Elevated Installation >20' To 25', Add	*20.43*	
		For Elevated Installation >25' To 30', Add	*28.61*	
		For Elevated Installation >30' To 35', Add	*32.69*	
		For Elevated Installation >35' To 40', Add	*40.87*	
		For Elevated Installation >40', Add	*44.95*	
		For Work In Restricted Working Space, Add	*24.52*	
26 05 33 13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	232.13	44.55
		For Elevated Installation >10' To 15', Add	*11.13*	
		For Elevated Installation >15' To 20', Add	*22.27*	
		For Elevated Installation >20' To 25', Add	*27.84*	
		For Elevated Installation >25' To 30', Add	*38.97*	
		For Elevated Installation >30' To 35', Add	*44.54*	
		For Elevated Installation >35' To 40', Add	*55.67*	
		For Elevated Installation >40', Add	*61.24*	
		For Work In Restricted Working Space, Add	*33.40*	
26 05 33 13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	338.83	50.23
		For Elevated Installation >10' To 15', Add	*12.56*	
		For Elevated Installation >15' To 20', Add	*25.12*	
		For Elevated Installation >20' To 25', Add	*31.40*	
		For Elevated Installation >25' To 30', Add	*43.96*	
		For Elevated Installation >30' To 35', Add	*50.24*	
		For Elevated Installation >35' To 40', Add	*62.80*	
		For Elevated Installation >40', Add	*69.07*	
		For Work In Restricted Working Space, Add	*37.68*	
26 05 33 13-0767	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	410.80	65.40
		For Elevated Installation >10' To 15', Add	*16.34*	
		For Elevated Installation >15' To 20', Add	*32.69*	
		For Elevated Installation >20' To 25', Add	*40.86*	
		For Elevated Installation >25' To 30', Add	*57.20*	
		For Elevated Installation >30' To 35', Add	*65.38*	
		For Elevated Installation >35' To 40', Add	*81.72*	
		For Elevated Installation >40', Add	*89.89*	
		For Work In Restricted Working Space, Add	*49.03*	

26 05 33 13-0768 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut *(26 05 33 13-0745)*

26 05 33 13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	16.20	6.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	19.12	0.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0771	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	24.76	9.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	30.24	10.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.17*	
26 05 33 13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	33.89	11.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0774	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	43.78	14.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.02*	
26 05 33 13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	81.23	23.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	
26 05 33 13-0776	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	100.12	32.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.17*	
26 05 33 13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	131.32	38.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.79*	
26 05 33 13-0778	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	155.08	44.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.41*	

26 05 33 13-0779 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings *(26 05 33 13-0745)*

Note: 3-Piece coupling.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	53.56	18.95
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.49*	
		For Elevated Installation >20' To 25', Add	*11.86*	
		For Elevated Installation >25' To 30', Add	*16.60*	
		For Elevated Installation >30' To 35', Add	*18.98*	
		For Elevated Installation >35' To 40', Add	*23.72*	
		For Elevated Installation >40', Add	*26.09*	
		For Work In Restricted Working Space, Add	*14.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.23*	
26 05 33 13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	60.83	21.20
		For Elevated Installation >10' To 15', Add	*5.30*	
		For Elevated Installation >15' To 20', Add	*10.59*	
		For Elevated Installation >20' To 25', Add	*13.24*	
		For Elevated Installation >25' To 30', Add	*18.53*	
		For Elevated Installation >30' To 35', Add	*21.18*	
		For Elevated Installation >35' To 40', Add	*26.48*	
		For Elevated Installation >40', Add	*29.12*	
		For Work In Restricted Working Space, Add	*15.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.89*	
26 05 33 13-0782	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	74.18	23.58
		For Elevated Installation >10' To 15', Add	*5.90*	
		For Elevated Installation >15' To 20', Add	*11.80*	
		For Elevated Installation >20' To 25', Add	*14.75*	
		For Elevated Installation >25' To 30', Add	*20.64*	
		For Elevated Installation >30' To 35', Add	*23.59*	
		For Elevated Installation >35' To 40', Add	*29.49*	
		For Elevated Installation >40', Add	*32.44*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.69*	
26 05 33 13-0783	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	92.50	25.82
		For Elevated Installation >10' To 15', Add	*6.45*	
		For Elevated Installation >15' To 20', Add	*12.91*	
		For Elevated Installation >20' To 25', Add	*16.14*	
		For Elevated Installation >25' To 30', Add	*22.59*	
		For Elevated Installation >30' To 35', Add	*25.82*	
		For Elevated Installation >35' To 40', Add	*32.27*	
		For Elevated Installation >40', Add	*35.50*	
		For Work In Restricted Working Space, Add	*19.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.36*	
26 05 33 13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	105.71	28.20
		For Elevated Installation >10' To 15', Add	*7.06*	
		For Elevated Installation >15' To 20', Add	*14.12*	
		For Elevated Installation >20' To 25', Add	*17.65*	
		For Elevated Installation >25' To 30', Add	*24.71*	
		For Elevated Installation >30' To 35', Add	*28.24*	
		For Elevated Installation >35' To 40', Add	*35.31*	
		For Elevated Installation >40', Add	*38.84*	
		For Work In Restricted Working Space, Add	*21.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.18*	
26 05 33 13-0785	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	146.66	30.56
		For Elevated Installation >10' To 15', Add	*7.65*	
		For Elevated Installation >15' To 20', Add	*15.29*	
		For Elevated Installation >20' To 25', Add	*19.12*	
		For Elevated Installation >25' To 30', Add	*26.76*	
		For Elevated Installation >30' To 35', Add	*30.59*	
		For Elevated Installation >35' To 40', Add	*38.24*	
		For Elevated Installation >40', Add	*42.06*	
		For Work In Restricted Working Space, Add	*22.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.94*	
26 05 33 13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	244.90	37.91
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Work In Restricted Working Space, Add	*28.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-0787	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	347.42	47.38
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	
		For Work In Restricted Working Space, Add	*35.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.54*	
26 05 33 13-0788	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	510.04	56.87
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.44*	
		For Elevated Installation >20' To 25', Add	*35.55*	
		For Elevated Installation >25' To 30', Add	*49.77*	
		For Elevated Installation >30' To 35', Add	*56.88*	
		For Elevated Installation >35' To 40', Add	*71.10*	
		For Elevated Installation >40', Add	*78.21*	
		For Work In Restricted Working Space, Add	*42.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	589.40	61.60
		For Elevated Installation >10' To 15', Add	*15.40*	
		For Elevated Installation >15' To 20', Add	*30.80*	
		For Elevated Installation >20' To 25', Add	*38.50*	
		For Elevated Installation >25' To 30', Add	*53.90*	
		For Elevated Installation >30' To 35', Add	*61.60*	
		For Elevated Installation >35' To 40', Add	*77.00*	
		For Elevated Installation >40', Add	*84.69*	
		For Work In Restricted Working Space, Add	*46.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.20*	

26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0745)*

26 05 33 13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	30.36	9.47
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
		For Work In Restricted Working Space, Add	*7.11*	
26 05 33 13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	33.94	10.42
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Work In Restricted Working Space, Add	*7.82*	
26 05 33 13-0793	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	39.00	11.85
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.41*	
		For Elevated Installation >25' To 30', Add	*10.37*	
		For Elevated Installation >30' To 35', Add	*11.85*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Work In Restricted Working Space, Add	*8.89*	
26 05 33 13-0794	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	44.38	12.79
		For Elevated Installation >10' To 15', Add	*3.20*	
		For Elevated Installation >15' To 20', Add	*6.40*	
		For Elevated Installation >20' To 25', Add	*8.00*	
		For Elevated Installation >25' To 30', Add	*11.20*	
		For Elevated Installation >30' To 35', Add	*12.80*	
		For Elevated Installation >35' To 40', Add	*16.00*	
		For Elevated Installation >40', Add	*17.59*	
		For Work In Restricted Working Space, Add	*9.60*	
26 05 33 13-0795	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	52.81	14.21
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.89*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.22*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.55*	
		For Work In Restricted Working Space, Add	*10.66*	
26 05 33 13-0796	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	64.61	15.64
		For Elevated Installation >10' To 15', Add	*3.91*	
		For Elevated Installation >15' To 20', Add	*7.82*	
		For Elevated Installation >20' To 25', Add	*9.77*	
		For Elevated Installation >25' To 30', Add	*13.68*	
		For Elevated Installation >30' To 35', Add	*15.64*	
		For Elevated Installation >35' To 40', Add	*19.55*	
		For Elevated Installation >40', Add	*21.50*	
		For Work In Restricted Working Space, Add	*11.73*	
26 05 33 13-0797	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	88.29	18.95
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
		For Work In Restricted Working Space, Add	*14.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0798	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	109.15	23.70
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Work In Restricted Working Space, Add	*17.77*	
26 05 33 13-0799	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	131.14	28.43
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-0800	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	148.32	30.80
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0745)*

26 05 33 13-0802	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	26.48	9.47
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.93*	
		For Elevated Installation >25' To 30', Add	*8.30*	
		For Elevated Installation >30' To 35', Add	*9.48*	
		For Elevated Installation >35' To 40', Add	*11.85*	
		For Elevated Installation >40', Add	*13.04*	
		For Work In Restricted Working Space, Add	*7.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-0803	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	33.78	11.85
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Work In Restricted Working Space, Add	*8.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-0804	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	41.70	14.21
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.89*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.22*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.55*	
		For Work In Restricted Working Space, Add	*10.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	
26 05 33 13-0805	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	50.18	16.59
		For Elevated Installation >10' To 15', Add	*4.15*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.37*	
		For Elevated Installation >25' To 30', Add	*14.51*	
		For Elevated Installation >30' To 35', Add	*16.59*	
		For Elevated Installation >35' To 40', Add	*20.74*	
		For Elevated Installation >40', Add	*22.81*	
		For Work In Restricted Working Space, Add	*12.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.44*	
26 05 33 13-0806	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	58.60	18.95
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
		For Work In Restricted Working Space, Add	*14.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0807	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	69.52	21.32
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.65*	
		For Elevated Installation >40', Add	*29.32*	
		For Work In Restricted Working Space, Add	*15.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.99*	
26 05 33 13-0808	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	86.41	23.70
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Work In Restricted Working Space, Add	*17.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	
26 05 33 13-0809	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	101.75	26.06
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
		For Work In Restricted Working Space, Add	*19.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-0810	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	124.44	30.80
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.10*	
26 05 33 13-0811	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	142.78	33.17
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.58*	
		For Elevated Installation >20' To 25', Add	*20.73*	
		For Elevated Installation >25' To 30', Add	*29.02*	
		For Elevated Installation >30' To 35', Add	*33.16*	
		For Elevated Installation >35' To 40', Add	*41.46*	
		For Elevated Installation >40', Add	*45.60*	
		For Work In Restricted Working Space, Add	*24.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.87*	

26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0745)*

26 05 33 13-0813	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	167.50	18.95
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.59*	
		For Elevated Installation >30' To 35', Add	*18.96*	
		For Elevated Installation >35' To 40', Add	*23.70*	
		For Elevated Installation >40', Add	*26.06*	
		For Work In Restricted Working Space, Add	*14.22*	
26 05 33 13-0814	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	185.43	21.32
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	
		For Work In Restricted Working Space, Add	*15.99*	
26 05 33 13-0815	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	206.08	23.70
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.70*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Work In Restricted Working Space, Add	*17.77*	
26 05 33 13-0816	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	248.32	26.06
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
		For Work In Restricted Working Space, Add	*19.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0817	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	303.41	28.43
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-0818	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	397.39	30.80
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.34*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-0819	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	598.03	37.91
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Work In Restricted Working Space, Add	*28.43*	
26 05 33 13-0820	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	719.40	47.38
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	
		For Work In Restricted Working Space, Add	*35.54*	
26 05 33 13-0821	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	1,000.68	56.87
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.43*	
		For Elevated Installation >20' To 25', Add	*35.54*	
		For Elevated Installation >25' To 30', Add	*49.76*	
		For Elevated Installation >30' To 35', Add	*56.87*	
		For Elevated Installation >35' To 40', Add	*71.09*	
		For Elevated Installation >40', Add	*78.19*	
		For Work In Restricted Working Space, Add	*42.65*	
26 05 33 13-0822	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,156.33	61.60
		For Elevated Installation >10' To 15', Add	*15.40*	
		For Elevated Installation >15' To 20', Add	*30.80*	
		For Elevated Installation >20' To 25', Add	*38.50*	
		For Elevated Installation >25' To 30', Add	*53.90*	
		For Elevated Installation >30' To 35', Add	*61.60*	
		For Elevated Installation >35' To 40', Add	*77.00*	
		For Elevated Installation >40', Add	*84.69*	
		For Work In Restricted Working Space, Add	*46.20*	
26 05 33 13-0823		Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0745)*		
26 05 33 13-0824	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	105.45	29.61
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Work In Restricted Working Space, Add	*17.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	
26 05 33 13-0825	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	125.36	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
		For Work In Restricted Working Space, Add	*21.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	
26 05 33 13-0826	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	152.69	41.46
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.59*	
		For Elevated Installation >20' To 25', Add	*20.73*	
		For Elevated Installation >25' To 30', Add	*29.03*	
		For Elevated Installation >30' To 35', Add	*33.17*	
		For Elevated Installation >35' To 40', Add	*41.47*	
		For Elevated Installation >40', Add	*45.61*	
		For Work In Restricted Working Space, Add	*24.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	179.48	47.38
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Work In Restricted Working Space, Add	*28.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	234.16	53.31
		For Elevated Installation >10' To 15', Add	*10.66*	
		For Elevated Installation >15' To 20', Add	*21.32*	
		For Elevated Installation >20' To 25', Add	*26.65*	
		For Elevated Installation >25' To 30', Add	*37.31*	
		For Elevated Installation >30' To 35', Add	*42.64*	
		For Elevated Installation >35' To 40', Add	*53.31*	
		For Elevated Installation >40', Add	*58.64*	
		For Work In Restricted Working Space, Add	*31.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.98*	
26 05 33 13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	283.71	59.23
		For Elevated Installation >10' To 15', Add	*11.85*	
		For Elevated Installation >15' To 20', Add	*23.69*	
		For Elevated Installation >20' To 25', Add	*29.62*	
		For Elevated Installation >25' To 30', Add	*41.46*	
		For Elevated Installation >30' To 35', Add	*47.38*	
		For Elevated Installation >35' To 40', Add	*59.23*	
		For Elevated Installation >40', Add	*65.15*	
		For Work In Restricted Working Space, Add	*35.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.54*	
26 05 33 13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	398.91	71.08
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.43*	
		For Elevated Installation >20' To 25', Add	*35.54*	
		For Elevated Installation >25' To 30', Add	*49.76*	
		For Elevated Installation >30' To 35', Add	*56.86*	
		For Elevated Installation >35' To 40', Add	*71.08*	
		For Elevated Installation >40', Add	*78.19*	
		For Work In Restricted Working Space, Add	*42.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.65*	
26 05 33 13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	479.47	82.93
		For Elevated Installation >10' To 15', Add	*16.58*	
		For Elevated Installation >15' To 20', Add	*33.17*	
		For Elevated Installation >20' To 25', Add	*41.46*	
		For Elevated Installation >25' To 30', Add	*58.04*	
		For Elevated Installation >30' To 35', Add	*66.34*	
		For Elevated Installation >35' To 40', Add	*82.92*	
		For Elevated Installation >40', Add	*91.21*	
		For Work In Restricted Working Space, Add	*49.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.75*	
26 05 33 13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,094.08	94.76
		For Elevated Installation >10' To 15', Add	*18.95*	
		For Elevated Installation >15' To 20', Add	*37.91*	
		For Elevated Installation >20' To 25', Add	*47.39*	
		For Elevated Installation >25' To 30', Add	*66.34*	
		For Elevated Installation >30' To 35', Add	*75.82*	
		For Elevated Installation >35' To 40', Add	*94.77*	
		For Elevated Installation >40', Add	*104.25*	
		For Work In Restricted Working Space, Add	*56.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.86*	
26 05 33 13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,260.10	106.61
		For Elevated Installation >10' To 15', Add	*21.32*	
		For Elevated Installation >15' To 20', Add	*42.65*	
		For Elevated Installation >20' To 25', Add	*53.31*	
		For Elevated Installation >25' To 30', Add	*74.63*	
		For Elevated Installation >30' To 35', Add	*85.29*	
		For Elevated Installation >35' To 40', Add	*106.62*	
		For Elevated Installation >40', Add	*117.28*	
		For Work In Restricted Working Space, Add	*63.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.97*	

26 05 33 13-0834 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0745)*

26 05 33 13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	15.79	5.68
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
		For Work In Restricted Working Space, Add	*4.26*	
26 05 33 13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	22.06	8.06
		For Elevated Installation >10' To 15', Add	*2.02*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.05*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.08*	
		For Elevated Installation >40', Add	*11.08*	
		For Work In Restricted Working Space, Add	*6.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0837	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	28.89	10.42
		For Elevated Installation >10' To 15', Add	*2.60*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.51*	
		For Elevated Installation >25' To 30', Add	*9.11*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.02*	
		For Elevated Installation >40', Add	*14.32*	
		For Work In Restricted Working Space, Add	*7.81*	
26 05 33 13-0838	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	33.19	11.85
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.41*	
		For Elevated Installation >25' To 30', Add	*10.37*	
		For Elevated Installation >30' To 35', Add	*11.85*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Work In Restricted Working Space, Add	*8.89*	
26 05 33 13-0839	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	40.02	14.21
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.10*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.43*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.76*	
		For Elevated Installation >40', Add	*19.54*	
		For Work In Restricted Working Space, Add	*10.66*	
26 05 33 13-0840	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	46.23	16.11
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.08*	
		For Elevated Installation >25' To 30', Add	*14.11*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.15*	
		For Elevated Installation >40', Add	*22.17*	
		For Work In Restricted Working Space, Add	*12.09*	
26 05 33 13-0841	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	58.15	18.00
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.00*	
		For Elevated Installation >20' To 25', Add	*11.25*	
		For Elevated Installation >25' To 30', Add	*15.75*	
		For Elevated Installation >30' To 35', Add	*18.00*	
		For Elevated Installation >35' To 40', Add	*22.51*	
		For Elevated Installation >40', Add	*24.76*	
		For Work In Restricted Working Space, Add	*13.50*	
26 05 33 13-0842	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	68.88	20.38
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.19*	
		For Elevated Installation >20' To 25', Add	*12.74*	
		For Elevated Installation >25' To 30', Add	*17.83*	
		For Elevated Installation >30' To 35', Add	*20.38*	
		For Elevated Installation >35' To 40', Add	*25.47*	
		For Elevated Installation >40', Add	*28.02*	
		For Work In Restricted Working Space, Add	*15.28*	
26 05 33 13-0843	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	79.67	22.27
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.14*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.49*	
		For Elevated Installation >30' To 35', Add	*22.28*	
		For Elevated Installation >35' To 40', Add	*27.85*	
		For Elevated Installation >40', Add	*30.63*	
		For Work In Restricted Working Space, Add	*16.71*	
26 05 33 13-0844	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	83.38	23.70
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.84*	
		For Elevated Installation >20' To 25', Add	*14.80*	
		For Elevated Installation >25' To 30', Add	*20.72*	
		For Elevated Installation >30' To 35', Add	*23.68*	
		For Elevated Installation >35' To 40', Add	*29.61*	
		For Elevated Installation >40', Add	*32.57*	
		For Work In Restricted Working Space, Add	*17.76*	

26 05 33 13-0845 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0745)*

26 05 33 13-0846	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	7.68	2.37
		For Elevated Installation >10' To 15', Add	*0.59*	
		For Elevated Installation >15' To 20', Add	*1.18*	
		For Elevated Installation >20' To 25', Add	*1.48*	
		For Elevated Installation >25' To 30', Add	*2.07*	
		For Elevated Installation >30' To 35', Add	*2.37*	
		For Elevated Installation >35' To 40', Add	*2.96*	
		For Elevated Installation >40', Add	*3.26*	
		For Work In Restricted Working Space, Add	*1.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0847	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	8.70	2.37
		For Elevated Installation >10' To 15', Add	*0.59*	
		For Elevated Installation >15' To 20', Add	*1.18*	
		For Elevated Installation >20' To 25', Add	*1.48*	
		For Elevated Installation >25' To 30', Add	*2.07*	
		For Elevated Installation >30' To 35', Add	*2.37*	
		For Elevated Installation >35' To 40', Add	*2.96*	
		For Elevated Installation >40', Add	*3.26*	
		For Work In Restricted Working Space, Add	*1.78*	

26 05 33 13-0848 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0059)*

Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0849 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0848)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0850	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	14.24	3.32
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
		For Work In Restricted Working Space, Add	*2.49*	
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.22*	
26 05 33 13-0851	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	16.36	3.79
		For Elevated Installation >10' To 15', Add	*0.95*	
		For Elevated Installation >15' To 20', Add	*1.89*	
		For Elevated Installation >20' To 25', Add	*2.37*	
		For Elevated Installation >25' To 30', Add	*3.31*	
		For Elevated Installation >30' To 35', Add	*3.79*	
		For Elevated Installation >35' To 40', Add	*4.74*	
		For Elevated Installation >40', Add	*5.21*	
		For Work In Restricted Working Space, Add	*2.84*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.40*	
26 05 33 13-0852	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	20.77	4.74
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.96*	
		For Elevated Installation >25' To 30', Add	*4.15*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.93*	
		For Elevated Installation >40', Add	*6.52*	
		For Work In Restricted Working Space, Add	*3.56*	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.78*	
26 05 33 13-0853	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	25.52	5.68
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
		For Work In Restricted Working Space, Add	*4.26*	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.20*	
26 05 33 13-0854	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	31.52	7.11
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.77*	
		For Work In Restricted Working Space, Add	*5.33*	
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000, Deduct	*-2.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0855	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	39.24	8.53
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.53*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.73*	
		For Work In Restricted Working Space, Add	*6.40*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.41*	
		For >1,000, Deduct	*-3.39*	
26 05 33 13-0856	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	52.06	9.95
		For Elevated Installation >10' To 15', Add	*2.49*	
		For Elevated Installation >15' To 20', Add	*4.98*	
		For Elevated Installation >20' To 25', Add	*6.22*	
		For Elevated Installation >25' To 30', Add	*8.71*	
		For Elevated Installation >30' To 35', Add	*9.95*	
		For Elevated Installation >35' To 40', Add	*12.44*	
		For Elevated Installation >40', Add	*13.68*	
		For Work In Restricted Working Space, Add	*7.46*	
		For >250 To 500, Deduct	*-1.98*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000, Deduct	*-4.58*	
26 05 33 13-0857	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	65.07	12.32
		For Elevated Installation >10' To 15', Add	*3.08*	
		For Elevated Installation >15' To 20', Add	*6.16*	
		For Elevated Installation >20' To 25', Add	*7.70*	
		For Elevated Installation >25' To 30', Add	*10.78*	
		For Elevated Installation >30' To 35', Add	*12.32*	
		For Elevated Installation >35' To 40', Add	*15.40*	
		For Elevated Installation >40', Add	*16.94*	
		For Work In Restricted Working Space, Add	*9.24*	
		For >250 To 500, Deduct	*-2.48*	
		For >500 To 1,000, Deduct	*-4.11*	
		For >1,000, Deduct	*-5.74*	
26 05 33 13-0858	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	79.83	15.17
		For Elevated Installation >10' To 15', Add	*3.79*	
		For Elevated Installation >15' To 20', Add	*7.58*	
		For Elevated Installation >20' To 25', Add	*9.48*	
		For Elevated Installation >25' To 30', Add	*13.27*	
		For Elevated Installation >30' To 35', Add	*15.16*	
		For Elevated Installation >35' To 40', Add	*18.96*	
		For Elevated Installation >40', Add	*20.85*	
		For Work In Restricted Working Space, Add	*11.37*	
		For >250 To 500, Deduct	*-3.04*	
		For >500 To 1,000, Deduct	*-5.04*	
		For >1,000, Deduct	*-7.04*	
26 05 33 13-0859	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	94.44	18.00
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.00*	
		For Elevated Installation >20' To 25', Add	*11.26*	
		For Elevated Installation >25' To 30', Add	*15.76*	
		For Elevated Installation >30' To 35', Add	*18.01*	
		For Elevated Installation >35' To 40', Add	*22.51*	
		For Elevated Installation >40', Add	*24.76*	
		For Work In Restricted Working Space, Add	*13.51*	
		For >250 To 500, Deduct	*-3.60*	
		For >500 To 1,000, Deduct	*-5.96*	
		For >1,000, Deduct	*-8.32*	
26 05 33 13-0860	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	140.89	21.32
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.32*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.32*	
		For Work In Restricted Working Space, Add	*15.99*	
		For >250 To 500, Deduct	*-5.71*	
		For >500 To 1,000, Deduct	*-9.23*	
		For >1,000, Deduct	*-12.76*	
26 05 33 13-0861	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	191.09	28.43
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
		For Work In Restricted Working Space, Add	*21.32*	
		For >250 To 500, Deduct	*-7.78*	
		For >500 To 1,000, Deduct	*-12.55*	
		For >1,000, Deduct	*-17.33*	

26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0863	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	20.49	7.11
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.55*	
		For Elevated Installation >25' To 30', Add	*4.97*	
		For Elevated Installation >30' To 35', Add	*5.68*	
		For Elevated Installation >35' To 40', Add	*7.11*	
		For Elevated Installation >40', Add	*7.82*	
		For Work In Restricted Working Space, Add	*4.26*	
26 05 33 13-0864	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	26.72	10.07
		For Elevated Installation >10' To 15', Add	*2.01*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.05*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.07*	
		For Elevated Installation >40', Add	*11.08*	
		For Work In Restricted Working Space, Add	*6.04*	
26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	34.60	13.03
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.52*	
		For Elevated Installation >25' To 30', Add	*9.12*	
		For Elevated Installation >30' To 35', Add	*10.42*	
		For Elevated Installation >35' To 40', Add	*13.03*	
		For Elevated Installation >40', Add	*14.33*	
		For Work In Restricted Working Space, Add	*7.82*	
26 05 33 13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	39.58	14.81
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Work In Restricted Working Space, Add	*8.88*	
26 05 33 13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	47.38	17.77
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
		For Work In Restricted Working Space, Add	*10.66*	
26 05 33 13-0868	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	57.62	20.14
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.07*	
		For Elevated Installation >25' To 30', Add	*14.10*	
		For Elevated Installation >30' To 35', Add	*16.11*	
		For Elevated Installation >35' To 40', Add	*20.14*	
		For Elevated Installation >40', Add	*22.15*	
		For Work In Restricted Working Space, Add	*12.08*	
26 05 33 13-0869	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	87.93	20.14
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.00*	
		For Elevated Installation >20' To 25', Add	*11.26*	
		For Elevated Installation >25' To 30', Add	*15.76*	
		For Elevated Installation >30' To 35', Add	*18.01*	
		For Elevated Installation >35' To 40', Add	*22.51*	
		For Elevated Installation >40', Add	*24.76*	
		For Work In Restricted Working Space, Add	*13.51*	
26 05 33 13-0870	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	103.05	27.84
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.19*	
		For Elevated Installation >20' To 25', Add	*12.74*	
		For Elevated Installation >25' To 30', Add	*17.83*	
		For Elevated Installation >30' To 35', Add	*20.38*	
		For Elevated Installation >35' To 40', Add	*25.47*	
		For Elevated Installation >40', Add	*28.02*	
		For Work In Restricted Working Space, Add	*15.28*	
26 05 33 13-0871	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	122.53	27.84
		For Elevated Installation >10' To 15', Add	*5.57*	
		For Elevated Installation >15' To 20', Add	*11.13*	
		For Elevated Installation >20' To 25', Add	*13.92*	
		For Elevated Installation >25' To 30', Add	*19.48*	
		For Elevated Installation >30' To 35', Add	*22.27*	
		For Elevated Installation >35' To 40', Add	*27.84*	
		For Elevated Installation >40', Add	*30.62*	
		For Work In Restricted Working Space, Add	*16.70*	
26 05 33 13-0872	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	137.40	29.61
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Work In Restricted Working Space, Add	*17.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0873	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	325.80	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-0874	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	367.47	41.46
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.59*	
		For Elevated Installation >20' To 25', Add	*20.73*	
		For Elevated Installation >25' To 30', Add	*29.03*	
		For Elevated Installation >30' To 35', Add	*33.17*	
		For Elevated Installation >35' To 40', Add	*41.47*	
		For Elevated Installation >40', Add	*45.61*	
		For Work In Restricted Working Space, Add	*24.88*	

26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0848)*

Note: 90, 45, or 30-degree.

26 05 33 13-0876	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	60.51	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
26 05 33 13-0877	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	70.59	23.87
		For Elevated Installation >10' To 15', Add	*4.77*	
		For Elevated Installation >15' To 20', Add	*9.55*	
		For Elevated Installation >20' To 25', Add	*11.94*	
		For Elevated Installation >25' To 30', Add	*16.71*	
		For Elevated Installation >30' To 35', Add	*19.10*	
		For Elevated Installation >35' To 40', Add	*23.87*	
		For Elevated Installation >40', Add	*26.26*	
		For Work In Restricted Working Space, Add	*14.32*	
26 05 33 13-0878	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	84.73	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-0879	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	99.97	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-0880	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	116.58	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-0881	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	139.94	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-0882	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	210.33	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0883	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	311.07	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
26 05 33 13-0884	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	381.46	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-0885	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	443.18	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
26 05 33 13-0886	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	902.39	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
26 05 33 13-0887	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,414.05	260.26
		For Elevated Installation >10' To 15', Add	*52.05*	
		For Elevated Installation >15' To 20', Add	*104.10*	
		For Elevated Installation >20' To 25', Add	*130.13*	
		For Elevated Installation >25' To 30', Add	*182.18*	
		For Elevated Installation >30' To 35', Add	*208.21*	
		For Elevated Installation >35' To 40', Add	*260.26*	
		For Elevated Installation >40', Add	*286.29*	
		For Work In Restricted Working Space, Add	*156.16*	

26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	136.61	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-0890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	154.14	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-0891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	175.89	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-0892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	208.37	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0893		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	287.79	53.13
			For Elevated Installation >10' To 15', Add	*10.63*	
			For Elevated Installation >15' To 20', Add	*21.25*	
			For Elevated Installation >20' To 25', Add	*26.57*	
			For Elevated Installation >25' To 30', Add	*37.19*	
			For Elevated Installation >30' To 35', Add	*42.50*	
			For Elevated Installation >35' To 40', Add	*53.13*	
			For Elevated Installation >40', Add	*58.44*	
			For Work In Restricted Working Space, Add	*31.88*	

26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0895		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	150.65	29.26
			For Elevated Installation >10' To 15', Add	*5.85*	
			For Elevated Installation >15' To 20', Add	*11.70*	
			For Elevated Installation >20' To 25', Add	*14.63*	
			For Elevated Installation >25' To 30', Add	*20.48*	
			For Elevated Installation >30' To 35', Add	*23.41*	
			For Elevated Installation >35' To 40', Add	*29.26*	
			For Elevated Installation >40', Add	*32.19*	
			For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-0896		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	177.33	33.88
			For Elevated Installation >10' To 15', Add	*6.78*	
			For Elevated Installation >15' To 20', Add	*13.55*	
			For Elevated Installation >20' To 25', Add	*16.94*	
			For Elevated Installation >25' To 30', Add	*23.72*	
			For Elevated Installation >30' To 35', Add	*27.10*	
			For Elevated Installation >35' To 40', Add	*33.88*	
			For Elevated Installation >40', Add	*37.27*	
			For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-0897		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	192.51	38.50
			For Elevated Installation >10' To 15', Add	*7.70*	
			For Elevated Installation >15' To 20', Add	*15.40*	
			For Elevated Installation >20' To 25', Add	*19.25*	
			For Elevated Installation >25' To 30', Add	*26.95*	
			For Elevated Installation >30' To 35', Add	*30.80*	
			For Elevated Installation >35' To 40', Add	*38.50*	
			For Elevated Installation >40', Add	*42.35*	
			For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-0898		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	244.63	42.35
			For Elevated Installation >10' To 15', Add	*8.47*	
			For Elevated Installation >15' To 20', Add	*16.94*	
			For Elevated Installation >20' To 25', Add	*21.18*	
			For Elevated Installation >25' To 30', Add	*29.65*	
			For Elevated Installation >30' To 35', Add	*33.88*	
			For Elevated Installation >35' To 40', Add	*42.35*	
			For Elevated Installation >40', Add	*46.59*	
			For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-0899		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	322.75	53.13
			For Elevated Installation >10' To 15', Add	*10.63*	
			For Elevated Installation >15' To 20', Add	*21.25*	
			For Elevated Installation >20' To 25', Add	*26.57*	
			For Elevated Installation >25' To 30', Add	*37.19*	
			For Elevated Installation >30' To 35', Add	*42.50*	
			For Elevated Installation >35' To 40', Add	*53.13*	
			For Elevated Installation >40', Add	*58.44*	
			For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-0900		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	414.73	72.38
			For Elevated Installation >10' To 15', Add	*14.48*	
			For Elevated Installation >15' To 20', Add	*28.95*	
			For Elevated Installation >20' To 25', Add	*36.19*	
			For Elevated Installation >25' To 30', Add	*50.67*	
			For Elevated Installation >30' To 35', Add	*57.90*	
			For Elevated Installation >35' To 40', Add	*72.38*	
			For Elevated Installation >40', Add	*79.62*	
			For Work In Restricted Working Space, Add	*43.43*	

26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0902		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	167.42	29.26
			For Elevated Installation >10' To 15', Add	*5.85*	
			For Elevated Installation >15' To 20', Add	*11.70*	
			For Elevated Installation >20' To 25', Add	*14.63*	
			For Elevated Installation >25' To 30', Add	*20.48*	
			For Elevated Installation >30' To 35', Add	*23.41*	
			For Elevated Installation >35' To 40', Add	*29.26*	
			For Elevated Installation >40', Add	*32.19*	
			For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-0903		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	189.40	33.88
			For Elevated Installation >10' To 15', Add	*6.78*	
			For Elevated Installation >15' To 20', Add	*13.55*	
			For Elevated Installation >20' To 25', Add	*16.94*	
			For Elevated Installation >25' To 30', Add	*23.72*	
			For Elevated Installation >30' To 35', Add	*27.10*	
			For Elevated Installation >35' To 40', Add	*33.88*	
			For Elevated Installation >40', Add	*37.27*	
			For Work In Restricted Working Space, Add	*20.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0904	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	213.84	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-0905	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	256.65	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-0906	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	362.91	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-0907	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	461.89	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
26 05 33 13-0908	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	578.95	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-0909	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	658.35	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	

26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0911	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	196.40	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-0912	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	217.75	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-0913	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	246.03	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0914	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	302.99	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-0915	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	434.80	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-0916	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	541.79	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
26 05 33 13-0917	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	627.74	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-0918	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	747.91	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	

26 05 33 13-0919 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0920	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	218.95	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-0921	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	244.13	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-0922	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	277.70	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-0923	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	343.34	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	474.03	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	605.70	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
26 05 33 13-0926	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	746.35	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-0927	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	830.12	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
26 05 33 13-0928	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,382.34	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	

26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	248.44	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	276.01	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	312.43	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	388.08	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	539.39	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	687.12	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
26 05 33 13-0936	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	805.79	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-0937	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	936.25	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
26 05 33 13-0938	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,456.72	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
26 05 33 13-0939	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	2,001.79	260.26
		For Elevated Installation >10' To 15', Add	*52.05*	
		For Elevated Installation >15' To 20', Add	*104.10*	
		For Elevated Installation >20' To 25', Add	*130.13*	
		For Elevated Installation >25' To 30', Add	*182.18*	
		For Elevated Installation >30' To 35', Add	*208.21*	
		For Elevated Installation >35' To 40', Add	*260.26*	
		For Elevated Installation >40', Add	*286.29*	
		For Work In Restricted Working Space, Add	*156.16*	

26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0941	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	289.50	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-0942	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	304.43	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-0943	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	358.90	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0944	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	450.36	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-0945	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	627.52	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-0946	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	796.89	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
26 05 33 13-0947	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	971.03	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,142.72	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
26 05 33 13-0949	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,699.34	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
26 05 33 13-0950	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	2,113.16	260.26
		For Elevated Installation >10' To 15', Add	*52.05*	
		For Elevated Installation >15' To 20', Add	*104.10*	
		For Elevated Installation >20' To 25', Add	*130.13*	
		For Elevated Installation >25' To 30', Add	*182.18*	
		For Elevated Installation >30' To 35', Add	*208.21*	
		For Elevated Installation >35' To 40', Add	*260.26*	
		For Elevated Installation >40', Add	*286.29*	
		For Work In Restricted Working Space, Add	*156.16*	

26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	299.39	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	352.50	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	399.09	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	469.09	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	649.54	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	830.65	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
26 05 33 13-0958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,061.02	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-0959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,189.55	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
26 05 33 13-0960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,764.52	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
26 05 33 13-0961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	2,169.75	260.26
		For Elevated Installation >10' To 15', Add	*52.05*	
		For Elevated Installation >15' To 20', Add	*104.10*	
		For Elevated Installation >20' To 25', Add	*130.13*	
		For Elevated Installation >25' To 30', Add	*182.18*	
		For Elevated Installation >30' To 35', Add	*208.21*	
		For Elevated Installation >35' To 40', Add	*260.26*	
		For Elevated Installation >40', Add	*286.29*	
		For Work In Restricted Working Space, Add	*156.16*	

26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	112.53	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	138.12	25.41
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.16*	
		For Elevated Installation >20' To 25', Add	*12.71*	
		For Elevated Installation >25' To 30', Add	*17.79*	
		For Elevated Installation >30' To 35', Add	*20.33*	
		For Elevated Installation >35' To 40', Add	*25.41*	
		For Elevated Installation >40', Add	*27.95*	
		For Work In Restricted Working Space, Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.25*	
26 05 33 13-0965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	183.19	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.56*	
26 05 33 13-0966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	297.95	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.33*	
26 05 33 13-0967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	329.20	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.10*	
26 05 33 13-0968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	414.67	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-0969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,117.02	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-0970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,335.07	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.91*	
		For Elevated Installation >35' To 40', Add	*72.39*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.43*	
26 05 33 13-0971	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,775.96	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.25*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.75*	

26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0848)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0973	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	108.03	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-0974	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	133.03	25.41
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.16*	
		For Elevated Installation >20' To 25', Add	*12.71*	
		For Elevated Installation >25' To 30', Add	*17.79*	
		For Elevated Installation >30' To 35', Add	*20.33*	
		For Elevated Installation >35' To 40', Add	*25.41*	
		For Elevated Installation >40', Add	*27.95*	
		For Work In Restricted Working Space, Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.25*	
26 05 33 13-0975	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	183.19	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.56*	
26 05 33 13-0976	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	295.33	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.33*	
26 05 33 13-0977	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	318.65	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.10*	
26 05 33 13-0978	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	414.80	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-0979	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,072.00	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-0980	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,302.23	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.91*	
		For Elevated Installation >35' To 40', Add	*72.39*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0981	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,775.88	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.25*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.75*	

26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0983	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	98.06	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	117.91	25.41
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.16*	
		For Elevated Installation >20' To 25', Add	*12.71*	
		For Elevated Installation >25' To 30', Add	*17.79*	
		For Elevated Installation >30' To 35', Add	*20.33*	
		For Elevated Installation >35' To 40', Add	*25.41*	
		For Elevated Installation >40', Add	*27.95*	
		For Work In Restricted Working Space, Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.25*	
26 05 33 13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	138.98	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.56*	
26 05 33 13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	195.86	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.33*	
26 05 33 13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	228.56	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.10*	
26 05 33 13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	349.69	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	946.63	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0990	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,068.04	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.91*	
		For Elevated Installation >35' To 40', Add	*72.39*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.43*	
26 05 33 13-0991	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,366.70	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.25*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.75*	

26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0993	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	164.72	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-0994	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	247.53	25.41
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.16*	
		For Elevated Installation >20' To 25', Add	*12.71*	
		For Elevated Installation >25' To 30', Add	*17.79*	
		For Elevated Installation >30' To 35', Add	*20.33*	
		For Elevated Installation >35' To 40', Add	*25.41*	
		For Elevated Installation >40', Add	*27.95*	
		For Work In Restricted Working Space, Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.25*	
26 05 33 13-0995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	310.65	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.56*	
26 05 33 13-0996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	358.60	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.33*	
26 05 33 13-0997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	407.27	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.10*	
26 05 33 13-0998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	534.30	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,665.06	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,946.27	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.91*	
		For Elevated Installation >35' To 40', Add	*72.39*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.43*	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,396.47	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.25*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.75*	

26 05 33 13-1002 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	182.41	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	264.23	25.41
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.16*	
		For Elevated Installation >20' To 25', Add	*12.71*	
		For Elevated Installation >25' To 30', Add	*17.79*	
		For Elevated Installation >30' To 35', Add	*20.33*	
		For Elevated Installation >35' To 40', Add	*25.41*	
		For Elevated Installation >40', Add	*27.95*	
		For Work In Restricted Working Space, Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.25*	
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	313.83	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.56*	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	363.84	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1007	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	421.64	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.10*	
26 05 33 13-1008	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	660.54	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-1009	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,855.54	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-1010	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,611.29	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.91*	
		For Elevated Installation >35' To 40', Add	*72.39*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.43*	
26 05 33 13-1011	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,733.12	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.25*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.75*	

26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-1013	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	145.22	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1014	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	183.47	25.41
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.16*	
		For Elevated Installation >20' To 25', Add	*12.71*	
		For Elevated Installation >25' To 30', Add	*17.79*	
		For Elevated Installation >30' To 35', Add	*20.33*	
		For Elevated Installation >35' To 40', Add	*25.41*	
		For Elevated Installation >40', Add	*27.95*	
		For Work In Restricted Working Space, Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	219.56	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.56*	
26 05 33 13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	243.60	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.33*	
26 05 33 13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	326.56	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.10*	
26 05 33 13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	459.05	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,507.29	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,699.58	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.91*	
		For Elevated Installation >35' To 40', Add	*72.39*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.43*	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	2,023.99	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.25*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.75*	

26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1023	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	135.58	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.79*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.88*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.97*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.18*	
26 05 33 13-1024	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	153.05	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.17*	
		For Elevated Installation >25' To 30', Add	*29.64*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.58*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-1025	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	188.49	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.11*	
26 05 33 13-1026	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	245.20	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.73*	
26 05 33 13-1027	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	285.34	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.96*	
26 05 33 13-1028	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	386.88	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.35*	
26 05 33 13-1029	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	646.57	103.95
		For Elevated Installation >10' To 15', Add	*20.79*	
		For Elevated Installation >15' To 20', Add	*41.58*	
		For Elevated Installation >20' To 25', Add	*51.98*	
		For Elevated Installation >25' To 30', Add	*72.77*	
		For Elevated Installation >30' To 35', Add	*83.16*	
		For Elevated Installation >35' To 40', Add	*103.95*	
		For Elevated Installation >40', Add	*114.35*	
		For Work In Restricted Working Space, Add	*62.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.37*	
26 05 33 13-1030	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	829.03	138.60
		For Elevated Installation >10' To 15', Add	*27.72*	
		For Elevated Installation >15' To 20', Add	*55.44*	
		For Elevated Installation >20' To 25', Add	*69.30*	
		For Elevated Installation >25' To 30', Add	*97.02*	
		For Elevated Installation >30' To 35', Add	*110.88*	
		For Elevated Installation >35' To 40', Add	*138.61*	
		For Elevated Installation >40', Add	*152.47*	
		For Work In Restricted Working Space, Add	*83.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,148.24	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.95*	
26 05 33 13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,320.65	210.98
		For Elevated Installation >10' To 15', Add	*42.20*	
		For Elevated Installation >15' To 20', Add	*84.39*	
		For Elevated Installation >20' To 25', Add	*105.49*	
		For Elevated Installation >25' To 30', Add	*147.69*	
		For Elevated Installation >30' To 35', Add	*168.78*	
		For Elevated Installation >35' To 40', Add	*210.98*	
		For Elevated Installation >40', Add	*232.08*	
		For Work In Restricted Working Space, Add	*126.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.59*	

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	177.16	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.25*	
		For Elevated Installation >25' To 30', Add	*33.95*	
		For Elevated Installation >30' To 35', Add	*38.80*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.10*	
26 05 33 13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	201.66	53.90
		For Elevated Installation >10' To 15', Add	*10.78*	
		For Elevated Installation >15' To 20', Add	*21.56*	
		For Elevated Installation >20' To 25', Add	*26.95*	
		For Elevated Installation >25' To 30', Add	*37.73*	
		For Elevated Installation >30' To 35', Add	*43.12*	
		For Elevated Installation >35' To 40', Add	*53.90*	
		For Elevated Installation >40', Add	*59.29*	
		For Work In Restricted Working Space, Add	*32.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.34*	
26 05 33 13-1036	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	244.99	59.29
		For Elevated Installation >10' To 15', Add	*11.86*	
		For Elevated Installation >15' To 20', Add	*23.71*	
		For Elevated Installation >20' To 25', Add	*29.64*	
		For Elevated Installation >25' To 30', Add	*41.50*	
		For Elevated Installation >30' To 35', Add	*47.43*	
		For Elevated Installation >35' To 40', Add	*59.29*	
		For Elevated Installation >40', Add	*65.21*	
		For Work In Restricted Working Space, Add	*35.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.57*	
26 05 33 13-1037	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	327.06	67.76
		For Elevated Installation >10' To 15', Add	*13.55*	
		For Elevated Installation >15' To 20', Add	*27.10*	
		For Elevated Installation >20' To 25', Add	*33.88*	
		For Elevated Installation >25' To 30', Add	*47.43*	
		For Elevated Installation >30' To 35', Add	*54.20*	
		For Elevated Installation >35' To 40', Add	*67.76*	
		For Elevated Installation >40', Add	*74.53*	
		For Work In Restricted Working Space, Add	*40.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.65*	
26 05 33 13-1038	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	385.27	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.35*	
26 05 33 13-1039	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	522.77	90.86
		For Elevated Installation >10' To 15', Add	*18.17*	
		For Elevated Installation >15' To 20', Add	*36.34*	
		For Elevated Installation >20' To 25', Add	*45.43*	
		For Elevated Installation >25' To 30', Add	*63.60*	
		For Elevated Installation >30' To 35', Add	*72.69*	
		For Elevated Installation >35' To 40', Add	*90.86*	
		For Elevated Installation >40', Add	*99.95*	
		For Work In Restricted Working Space, Add	*54.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.52*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1040		Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*			
		Note: Suitable for use in hazardous locations. Class I, Div 2.			
26 05 33 13-1041	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover		155.85	42.35
		For Elevated Installation >10' To 15', Add		*8.47*	
		For Elevated Installation >15' To 20', Add		*16.94*	
		For Elevated Installation >20' To 25', Add		*21.18*	
		For Elevated Installation >25' To 30', Add		*29.65*	
		For Elevated Installation >30' To 35', Add		*33.88*	
		For Elevated Installation >35' To 40', Add		*42.35*	
		For Elevated Installation >40', Add		*46.59*	
		For Work In Restricted Working Space, Add		*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*25.41*	
26 05 33 13-1042	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover		178.03	49.28
		For Elevated Installation >10' To 15', Add		*9.86*	
		For Elevated Installation >15' To 20', Add		*19.71*	
		For Elevated Installation >20' To 25', Add		*24.64*	
		For Elevated Installation >25' To 30', Add		*34.50*	
		For Elevated Installation >30' To 35', Add		*39.42*	
		For Elevated Installation >35' To 40', Add		*49.28*	
		For Elevated Installation >40', Add		*54.21*	
		For Work In Restricted Working Space, Add		*29.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*29.57*	
26 05 33 13-1043	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover		214.26	53.90
		For Elevated Installation >10' To 15', Add		*10.78*	
		For Elevated Installation >15' To 20', Add		*21.56*	
		For Elevated Installation >20' To 25', Add		*26.95*	
		For Elevated Installation >25' To 30', Add		*37.73*	
		For Elevated Installation >30' To 35', Add		*43.12*	
		For Elevated Installation >35' To 40', Add		*53.90*	
		For Elevated Installation >40', Add		*59.29*	
		For Work In Restricted Working Space, Add		*32.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*32.34*	
26 05 33 13-1044	EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover		273.08	61.60
		For Elevated Installation >10' To 15', Add		*12.32*	
		For Elevated Installation >15' To 20', Add		*24.64*	
		For Elevated Installation >20' To 25', Add		*30.80*	
		For Elevated Installation >25' To 30', Add		*43.12*	
		For Elevated Installation >30' To 35', Add		*49.28*	
		For Elevated Installation >35' To 40', Add		*61.60*	
		For Elevated Installation >40', Add		*67.76*	
		For Work In Restricted Working Space, Add		*36.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*36.96*	
26 05 33 13-1045	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover		322.70	67.76
		For Elevated Installation >10' To 15', Add		*13.55*	
		For Elevated Installation >15' To 20', Add		*27.10*	
		For Elevated Installation >20' To 25', Add		*33.88*	
		For Elevated Installation >25' To 30', Add		*47.43*	
		For Elevated Installation >30' To 35', Add		*54.21*	
		For Elevated Installation >35' To 40', Add		*67.76*	
		For Elevated Installation >40', Add		*74.54*	
		For Work In Restricted Working Space, Add		*40.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*40.66*	
26 05 33 13-1046	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover		430.42	79.31
		For Elevated Installation >10' To 15', Add		*15.86*	
		For Elevated Installation >15' To 20', Add		*31.72*	
		For Elevated Installation >20' To 25', Add		*39.66*	
		For Elevated Installation >25' To 30', Add		*55.52*	
		For Elevated Installation >30' To 35', Add		*63.45*	
		For Elevated Installation >35' To 40', Add		*79.31*	
		For Elevated Installation >40', Add		*87.24*	
		For Work In Restricted Working Space, Add		*47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*47.59*	
26 05 33 13-1047	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover		690.13	115.49
		For Elevated Installation >10' To 15', Add		*23.10*	
		For Elevated Installation >15' To 20', Add		*46.20*	
		For Elevated Installation >20' To 25', Add		*57.75*	
		For Elevated Installation >25' To 30', Add		*80.85*	
		For Elevated Installation >30' To 35', Add		*92.40*	
		For Elevated Installation >35' To 40', Add		*115.50*	
		For Elevated Installation >40', Add		*127.05*	
		For Work In Restricted Working Space, Add		*69.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*69.30*	
26 05 33 13-1048	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover		912.97	150.15
		For Elevated Installation >10' To 15', Add		*30.03*	
		For Elevated Installation >15' To 20', Add		*60.06*	
		For Elevated Installation >20' To 25', Add		*75.07*	
		For Elevated Installation >25' To 30', Add		*105.10*	
		For Elevated Installation >30' To 35', Add		*120.12*	
		For Elevated Installation >35' To 40', Add		*150.15*	
		For Elevated Installation >40', Add		*165.16*	
		For Work In Restricted Working Space, Add		*90.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*90.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1049	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,250.21	184.80
		For Elevated Installation >10' To 15', Add	*36.96*	
		For Elevated Installation >15' To 20', Add	*73.92*	
		For Elevated Installation >20' To 25', Add	*92.40*	
		For Elevated Installation >25' To 30', Add	*129.36*	
		For Elevated Installation >30' To 35', Add	*147.84*	
		For Elevated Installation >35' To 40', Add	*184.80*	
		For Elevated Installation >40', Add	*203.27*	
		For Work In Restricted Working Space, Add	*110.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.88*	
26 05 33 13-1050	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,400.44	222.53
		For Elevated Installation >10' To 15', Add	*44.51*	
		For Elevated Installation >15' To 20', Add	*89.02*	
		For Elevated Installation >20' To 25', Add	*111.27*	
		For Elevated Installation >25' To 30', Add	*155.78*	
		For Elevated Installation >30' To 35', Add	*178.03*	
		For Elevated Installation >35' To 40', Add	*222.54*	
		For Elevated Installation >40', Add	*244.79*	
		For Work In Restricted Working Space, Add	*133.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.52*	

26 05 33 13-1051 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0848)*

26 05 33 13-1052	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	31.10	4.62
		For Elevated Installation >10' To 15', Add	*0.92*	
		For Elevated Installation >15' To 20', Add	*1.85*	
		For Elevated Installation >20' To 25', Add	*2.31*	
		For Elevated Installation >25' To 30', Add	*3.23*	
		For Elevated Installation >30' To 35', Add	*3.70*	
		For Elevated Installation >35' To 40', Add	*4.62*	
		For Elevated Installation >40', Add	*5.08*	
		For Work In Restricted Working Space, Add	*2.77*	
26 05 33 13-1053	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	34.93	5.39
		For Elevated Installation >10' To 15', Add	*1.08*	
		For Elevated Installation >15' To 20', Add	*2.16*	
		For Elevated Installation >20' To 25', Add	*2.70*	
		For Elevated Installation >25' To 30', Add	*3.77*	
		For Elevated Installation >30' To 35', Add	*4.31*	
		For Elevated Installation >35' To 40', Add	*5.39*	
		For Elevated Installation >40', Add	*5.93*	
		For Work In Restricted Working Space, Add	*3.23*	
26 05 33 13-1054	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	45.54	6.93
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.77*	
		For Elevated Installation >20' To 25', Add	*3.47*	
		For Elevated Installation >25' To 30', Add	*4.85*	
		For Elevated Installation >30' To 35', Add	*5.54*	
		For Elevated Installation >35' To 40', Add	*6.93*	
		For Elevated Installation >40', Add	*7.62*	
		For Work In Restricted Working Space, Add	*4.16*	
26 05 33 13-1055	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	58.48	8.47
		For Elevated Installation >10' To 15', Add	*1.69*	
		For Elevated Installation >15' To 20', Add	*3.39*	
		For Elevated Installation >20' To 25', Add	*4.24*	
		For Elevated Installation >25' To 30', Add	*5.93*	
		For Elevated Installation >30' To 35', Add	*6.78*	
		For Elevated Installation >35' To 40', Add	*8.47*	
		For Elevated Installation >40', Add	*9.32*	
		For Work In Restricted Working Space, Add	*5.08*	
26 05 33 13-1056	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	65.57	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
26 05 33 13-1057	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	81.00	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
26 05 33 13-1058	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	104.48	13.09
		For Elevated Installation >10' To 15', Add	*2.62*	
		For Elevated Installation >15' To 20', Add	*5.24*	
		For Elevated Installation >20' To 25', Add	*6.55*	
		For Elevated Installation >25' To 30', Add	*9.16*	
		For Elevated Installation >30' To 35', Add	*10.47*	
		For Elevated Installation >35' To 40', Add	*13.09*	
		For Elevated Installation >40', Add	*14.40*	
		For Work In Restricted Working Space, Add	*7.85*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1059		EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	115.26	18.48
			For Elevated Installation >10' To 15', Add	*3.70*	
			For Elevated Installation >15' To 20', Add	*7.39*	
			For Elevated Installation >20' To 25', Add	*9.24*	
			For Elevated Installation >25' To 30', Add	*12.94*	
			For Elevated Installation >30' To 35', Add	*14.78*	
			For Elevated Installation >35' To 40', Add	*18.48*	
			For Elevated Installation >40', Add	*20.33*	
			For Work In Restricted Working Space, Add	*11.09*	
26 05 33 13-1060		EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	139.76	20.79
			For Elevated Installation >10' To 15', Add	*4.16*	
			For Elevated Installation >15' To 20', Add	*8.32*	
			For Elevated Installation >20' To 25', Add	*10.40*	
			For Elevated Installation >25' To 30', Add	*14.55*	
			For Elevated Installation >30' To 35', Add	*16.63*	
			For Elevated Installation >35' To 40', Add	*20.79*	
			For Elevated Installation >40', Add	*22.87*	
			For Work In Restricted Working Space, Add	*12.47*	
26 05 33 13-1061		EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	150.54	26.18
			For Elevated Installation >10' To 15', Add	*5.24*	
			For Elevated Installation >15' To 20', Add	*10.47*	
			For Elevated Installation >20' To 25', Add	*13.09*	
			For Elevated Installation >25' To 30', Add	*18.33*	
			For Elevated Installation >30' To 35', Add	*20.94*	
			For Elevated Installation >35' To 40', Add	*26.18*	
			For Elevated Installation >40', Add	*28.80*	
			For Work In Restricted Working Space, Add	*15.71*	

26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1063		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	152.14	36.96
			For Elevated Installation >10' To 15', Add	*7.39*	
			For Elevated Installation >15' To 20', Add	*14.78*	
			For Elevated Installation >20' To 25', Add	*18.48*	
			For Elevated Installation >25' To 30', Add	*25.87*	
			For Elevated Installation >30' To 35', Add	*29.57*	
			For Elevated Installation >35' To 40', Add	*36.96*	
			For Elevated Installation >40', Add	*40.66*	
			For Work In Restricted Working Space, Add	*22.18*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.18*	
26 05 33 13-1064		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	168.82	42.35
			For Elevated Installation >10' To 15', Add	*8.47*	
			For Elevated Installation >15' To 20', Add	*16.94*	
			For Elevated Installation >20' To 25', Add	*21.18*	
			For Elevated Installation >25' To 30', Add	*29.65*	
			For Elevated Installation >30' To 35', Add	*33.88*	
			For Elevated Installation >35' To 40', Add	*42.35*	
			For Elevated Installation >40', Add	*46.59*	
			For Work In Restricted Working Space, Add	*25.41*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-1065		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	196.95	48.51
			For Elevated Installation >10' To 15', Add	*9.70*	
			For Elevated Installation >15' To 20', Add	*19.40*	
			For Elevated Installation >20' To 25', Add	*24.26*	
			For Elevated Installation >25' To 30', Add	*33.96*	
			For Elevated Installation >30' To 35', Add	*38.81*	
			For Elevated Installation >35' To 40', Add	*48.51*	
			For Elevated Installation >40', Add	*53.36*	
			For Work In Restricted Working Space, Add	*29.11*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.11*	
26 05 33 13-1066		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	233.45	56.21
			For Elevated Installation >10' To 15', Add	*11.24*	
			For Elevated Installation >15' To 20', Add	*22.48*	
			For Elevated Installation >20' To 25', Add	*28.11*	
			For Elevated Installation >25' To 30', Add	*39.35*	
			For Elevated Installation >30' To 35', Add	*44.97*	
			For Elevated Installation >35' To 40', Add	*56.21*	
			For Elevated Installation >40', Add	*61.83*	
			For Work In Restricted Working Space, Add	*33.73*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.73*	
26 05 33 13-1067		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	288.64	61.60
			For Elevated Installation >10' To 15', Add	*12.32*	
			For Elevated Installation >15' To 20', Add	*24.64*	
			For Elevated Installation >20' To 25', Add	*30.80*	
			For Elevated Installation >25' To 30', Add	*43.12*	
			For Elevated Installation >30' To 35', Add	*49.28*	
			For Elevated Installation >35' To 40', Add	*61.60*	
			For Elevated Installation >40', Add	*67.76*	
			For Work In Restricted Working Space, Add	*36.96*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	349.63	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.35*	
26 05 33 13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	505.61	103.95
		For Elevated Installation >10' To 15', Add	*20.79*	
		For Elevated Installation >15' To 20', Add	*41.58*	
		For Elevated Installation >20' To 25', Add	*51.98*	
		For Elevated Installation >25' To 30', Add	*72.77*	
		For Elevated Installation >30' To 35', Add	*83.16*	
		For Elevated Installation >35' To 40', Add	*103.95*	
		For Elevated Installation >40', Add	*114.35*	
		For Work In Restricted Working Space, Add	*62.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.37*	
26 05 33 13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	649.55	138.60
		For Elevated Installation >10' To 15', Add	*27.72*	
		For Elevated Installation >15' To 20', Add	*55.44*	
		For Elevated Installation >20' To 25', Add	*69.30*	
		For Elevated Installation >25' To 30', Add	*97.02*	
		For Elevated Installation >30' To 35', Add	*110.88*	
		For Elevated Installation >35' To 40', Add	*138.60*	
		For Elevated Installation >40', Add	*152.46*	
		For Work In Restricted Working Space, Add	*83.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.16*	
26 05 33 13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,275.34	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.95*	
26 05 33 13-1072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,857.75	210.98
		For Elevated Installation >10' To 15', Add	*42.20*	
		For Elevated Installation >15' To 20', Add	*84.39*	
		For Elevated Installation >20' To 25', Add	*105.49*	
		For Elevated Installation >25' To 30', Add	*147.69*	
		For Elevated Installation >30' To 35', Add	*168.78*	
		For Elevated Installation >35' To 40', Add	*210.98*	
		For Elevated Installation >40', Add	*232.08*	
		For Work In Restricted Working Space, Add	*126.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.59*	

26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1074	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	253.95	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.18*	
26 05 33 13-1075	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	274.09	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-1076	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	313.02	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1077	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	350.85	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.73*	
26 05 33 13-1078	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	423.78	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.96*	
26 05 33 13-1079	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	478.19	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.35*	
26 05 33 13-1080	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	672.75	103.95
		For Elevated Installation >10' To 15', Add	*20.79*	
		For Elevated Installation >15' To 20', Add	*41.58*	
		For Elevated Installation >20' To 25', Add	*51.98*	
		For Elevated Installation >25' To 30', Add	*72.77*	
		For Elevated Installation >30' To 35', Add	*83.16*	
		For Elevated Installation >35' To 40', Add	*103.95*	
		For Elevated Installation >40', Add	*114.35*	
		For Work In Restricted Working Space, Add	*62.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.37*	
26 05 33 13-1081	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	935.79	138.60
		For Elevated Installation >10' To 15', Add	*27.72*	
		For Elevated Installation >15' To 20', Add	*55.44*	
		For Elevated Installation >20' To 25', Add	*69.30*	
		For Elevated Installation >25' To 30', Add	*97.02*	
		For Elevated Installation >30' To 35', Add	*110.88*	
		For Elevated Installation >35' To 40', Add	*138.60*	
		For Elevated Installation >40', Add	*152.46*	
		For Work In Restricted Working Space, Add	*83.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.16*	
26 05 33 13-1082	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,358.47	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.95*	
26 05 33 13-1083	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,966.53	210.98
		For Elevated Installation >10' To 15', Add	*42.20*	
		For Elevated Installation >15' To 20', Add	*84.39*	
		For Elevated Installation >20' To 25', Add	*105.49*	
		For Elevated Installation >25' To 30', Add	*147.69*	
		For Elevated Installation >30' To 35', Add	*168.78*	
		For Elevated Installation >35' To 40', Add	*210.98*	
		For Elevated Installation >40', Add	*232.08*	
		For Work In Restricted Working Space, Add	*126.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.59*	

26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1085	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	204.94	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	219.20	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	251.81	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.11*	
26 05 33 13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	281.42	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.73*	
26 05 33 13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	383.36	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.96*	
26 05 33 13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	480.63	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.35*	
26 05 33 13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	743.83	103.95
		For Elevated Installation >10' To 15', Add	*20.79*	
		For Elevated Installation >15' To 20', Add	*41.58*	
		For Elevated Installation >20' To 25', Add	*51.98*	
		For Elevated Installation >25' To 30', Add	*72.77*	
		For Elevated Installation >30' To 35', Add	*83.16*	
		For Elevated Installation >35' To 40', Add	*103.95*	
		For Elevated Installation >40', Add	*114.35*	
		For Work In Restricted Working Space, Add	*62.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.37*	
26 05 33 13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,080.41	138.60
		For Elevated Installation >10' To 15', Add	*27.72*	
		For Elevated Installation >15' To 20', Add	*55.44*	
		For Elevated Installation >20' To 25', Add	*69.30*	
		For Elevated Installation >25' To 30', Add	*97.02*	
		For Elevated Installation >30' To 35', Add	*110.88*	
		For Elevated Installation >35' To 40', Add	*138.60*	
		For Elevated Installation >40', Add	*152.46*	
		For Work In Restricted Working Space, Add	*83.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.16*	
26 05 33 13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,358.47	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.95*	

26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	268.34	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.18*	
26 05 33 13-1096	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	298.09	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-1097	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	368.54	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.11*	
26 05 33 13-1098	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	453.52	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.73*	
26 05 33 13-1099	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	626.52	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.96*	
26 05 33 13-1100	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	750.88	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.35*	

26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0848)*

26 05 33 13-1102	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	53.43	14.81
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Work In Restricted Working Space, Add	*8.88*	
26 05 33 13-1103	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	70.43	17.77
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
		For Work In Restricted Working Space, Add	*10.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1104	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	89.76	23.70
		For Elevated Installation >10' To 15', Add	*4.74*	
		For Elevated Installation >15' To 20', Add	*9.48*	
		For Elevated Installation >20' To 25', Add	*11.85*	
		For Elevated Installation >25' To 30', Add	*16.58*	
		For Elevated Installation >30' To 35', Add	*18.95*	
		For Elevated Installation >35' To 40', Add	*23.69*	
		For Elevated Installation >40', Add	*26.06*	
		For Work In Restricted Working Space, Add	*14.21*	
26 05 33 13-1105	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	122.83	29.61
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Work In Restricted Working Space, Add	*17.77*	
26 05 33 13-1106	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	160.44	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.22*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.88*	
		For Elevated Installation >30' To 35', Add	*28.43*	
		For Elevated Installation >35' To 40', Add	*35.54*	
		For Elevated Installation >40', Add	*39.09*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-1107	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	271.86	41.46
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.59*	
		For Elevated Installation >20' To 25', Add	*20.73*	
		For Elevated Installation >25' To 30', Add	*29.03*	
		For Elevated Installation >30' To 35', Add	*33.17*	
		For Elevated Installation >35' To 40', Add	*41.47*	
		For Elevated Installation >40', Add	*45.61*	
		For Work In Restricted Working Space, Add	*24.88*	
26 05 33 13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	392.21	47.38
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Work In Restricted Working Space, Add	*28.43*	
26 05 33 13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	488.06	53.31
		For Elevated Installation >10' To 15', Add	*10.66*	
		For Elevated Installation >15' To 20', Add	*21.32*	
		For Elevated Installation >20' To 25', Add	*26.65*	
		For Elevated Installation >25' To 30', Add	*37.31*	
		For Elevated Installation >30' To 35', Add	*42.64*	
		For Elevated Installation >35' To 40', Add	*53.31*	
		For Elevated Installation >40', Add	*58.64*	
		For Work In Restricted Working Space, Add	*31.98*	
26 05 33 13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	676.72	62.19
		For Elevated Installation >10' To 15', Add	*12.44*	
		For Elevated Installation >15' To 20', Add	*24.88*	
		For Elevated Installation >20' To 25', Add	*31.10*	
		For Elevated Installation >25' To 30', Add	*43.54*	
		For Elevated Installation >30' To 35', Add	*49.76*	
		For Elevated Installation >35' To 40', Add	*62.20*	
		For Elevated Installation >40', Add	*68.41*	
		For Work In Restricted Working Space, Add	*37.32*	
26 05 33 13-1111	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	820.68	71.08
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.43*	
		For Elevated Installation >20' To 25', Add	*35.54*	
		For Elevated Installation >25' To 30', Add	*49.76*	
		For Elevated Installation >30' To 35', Add	*56.86*	
		For Elevated Installation >35' To 40', Add	*71.08*	
		For Elevated Installation >40', Add	*78.19*	
		For Work In Restricted Working Space, Add	*42.65*	
26 05 33 13-1112	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,313.23	112.54
		For Elevated Installation >10' To 15', Add	*22.51*	
		For Elevated Installation >15' To 20', Add	*45.01*	
		For Elevated Installation >20' To 25', Add	*56.27*	
		For Elevated Installation >25' To 30', Add	*78.77*	
		For Elevated Installation >30' To 35', Add	*90.03*	
		For Elevated Installation >35' To 40', Add	*112.54*	
		For Elevated Installation >40', Add	*123.79*	
		For Work In Restricted Working Space, Add	*67.52*	
26 05 33 13-1113	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,799.11	171.77
		For Elevated Installation >10' To 15', Add	*34.35*	
		For Elevated Installation >15' To 20', Add	*68.71*	
		For Elevated Installation >20' To 25', Add	*85.89*	
		For Elevated Installation >25' To 30', Add	*120.24*	
		For Elevated Installation >30' To 35', Add	*137.42*	
		For Elevated Installation >35' To 40', Add	*171.77*	
		For Elevated Installation >40', Add	*188.95*	
		For Work In Restricted Working Space, Add	*103.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1114		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0848)*		
26 05 33 13-1115	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	193.76	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
26 05 33 13-1116	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	228.43	40.81
		For Elevated Installation >10' To 15', Add	*8.16*	
		For Elevated Installation >15' To 20', Add	*16.32*	
		For Elevated Installation >20' To 25', Add	*20.41*	
		For Elevated Installation >25' To 30', Add	*28.57*	
		For Elevated Installation >30' To 35', Add	*32.65*	
		For Elevated Installation >35' To 40', Add	*40.81*	
		For Elevated Installation >40', Add	*44.89*	
		For Work In Restricted Working Space, Add	*24.49*	
26 05 33 13-1117	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	252.83	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
26 05 33 13-1118	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	360.35	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
26 05 33 13-1119	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	472.56	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
26 05 33 13-1120	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	511.72	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
26 05 33 13-1121	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,192.75	102.41
		For Elevated Installation >10' To 15', Add	*20.48*	
		For Elevated Installation >15' To 20', Add	*40.97*	
		For Elevated Installation >20' To 25', Add	*51.21*	
		For Elevated Installation >25' To 30', Add	*71.69*	
		For Elevated Installation >30' To 35', Add	*81.93*	
		For Elevated Installation >35' To 40', Add	*102.42*	
		For Elevated Installation >40', Add	*112.66*	
		For Work In Restricted Working Space, Add	*61.45*	
26 05 33 13-1122	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,265.36	138.60
		For Elevated Installation >10' To 15', Add	*27.72*	
		For Elevated Installation >15' To 20', Add	*55.44*	
		For Elevated Installation >20' To 25', Add	*69.30*	
		For Elevated Installation >25' To 30', Add	*97.02*	
		For Elevated Installation >30' To 35', Add	*110.88*	
		For Elevated Installation >35' To 40', Add	*138.61*	
		For Elevated Installation >40', Add	*152.47*	
		For Work In Restricted Working Space, Add	*83.16*	
26 05 33 13-1123	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,058.15	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.26*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1124		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,150.23	210.98
			For Elevated Installation >10' To 15', Add	*42.20*	
			For Elevated Installation >15' To 20', Add	*84.40*	
			For Elevated Installation >20' To 25', Add	*105.50*	
			For Elevated Installation >25' To 30', Add	*147.70*	
			For Elevated Installation >30' To 35', Add	*168.80*	
			For Elevated Installation >35' To 40', Add	*211.00*	
			For Elevated Installation >40', Add	*232.09*	
			For Work In Restricted Working Space, Add	*126.60*	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1126		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	279.04	36.96
			For Elevated Installation >10' To 15', Add	*7.39*	
			For Elevated Installation >15' To 20', Add	*14.78*	
			For Elevated Installation >20' To 25', Add	*18.48*	
			For Elevated Installation >25' To 30', Add	*25.87*	
			For Elevated Installation >30' To 35', Add	*29.57*	
			For Elevated Installation >35' To 40', Add	*36.96*	
			For Elevated Installation >40', Add	*40.66*	
			For Work In Restricted Working Space, Add	*22.18*	
26 05 33 13-1127		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	317.94	42.35
			For Elevated Installation >10' To 15', Add	*8.47*	
			For Elevated Installation >15' To 20', Add	*16.94*	
			For Elevated Installation >20' To 25', Add	*21.18*	
			For Elevated Installation >25' To 30', Add	*29.65*	
			For Elevated Installation >30' To 35', Add	*33.88*	
			For Elevated Installation >35' To 40', Add	*42.35*	
			For Elevated Installation >40', Add	*46.59*	
			For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1128		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	619.73	48.51
			For Elevated Installation >10' To 15', Add	*9.70*	
			For Elevated Installation >15' To 20', Add	*19.40*	
			For Elevated Installation >20' To 25', Add	*24.26*	
			For Elevated Installation >25' To 30', Add	*33.96*	
			For Elevated Installation >30' To 35', Add	*38.81*	
			For Elevated Installation >35' To 40', Add	*48.51*	
			For Elevated Installation >40', Add	*53.36*	
			For Work In Restricted Working Space, Add	*29.11*	
26 05 33 13-1129		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	651.27	56.21
			For Elevated Installation >10' To 15', Add	*11.24*	
			For Elevated Installation >15' To 20', Add	*22.48*	
			For Elevated Installation >20' To 25', Add	*28.11*	
			For Elevated Installation >25' To 30', Add	*39.35*	
			For Elevated Installation >30' To 35', Add	*44.97*	
			For Elevated Installation >35' To 40', Add	*56.21*	
			For Elevated Installation >40', Add	*61.83*	
			For Work In Restricted Working Space, Add	*33.73*	
26 05 33 13-1130		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	886.98	61.60
			For Elevated Installation >10' To 15', Add	*12.32*	
			For Elevated Installation >15' To 20', Add	*24.64*	
			For Elevated Installation >20' To 25', Add	*30.80*	
			For Elevated Installation >25' To 30', Add	*43.12*	
			For Elevated Installation >30' To 35', Add	*49.28*	
			For Elevated Installation >35' To 40', Add	*61.60*	
			For Elevated Installation >40', Add	*67.76*	
			For Work In Restricted Working Space, Add	*36.96*	
26 05 33 13-1131		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	947.85	73.92
			For Elevated Installation >10' To 15', Add	*14.78*	
			For Elevated Installation >15' To 20', Add	*29.57*	
			For Elevated Installation >20' To 25', Add	*36.96*	
			For Elevated Installation >25' To 30', Add	*51.74*	
			For Elevated Installation >30' To 35', Add	*59.14*	
			For Elevated Installation >35' To 40', Add	*73.92*	
			For Elevated Installation >40', Add	*81.31*	
			For Work In Restricted Working Space, Add	*44.35*	
26 05 33 13-1132		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,814.29	103.95
			For Elevated Installation >10' To 15', Add	*20.79*	
			For Elevated Installation >15' To 20', Add	*41.58*	
			For Elevated Installation >20' To 25', Add	*51.98*	
			For Elevated Installation >25' To 30', Add	*72.77*	
			For Elevated Installation >30' To 35', Add	*83.16*	
			For Elevated Installation >35' To 40', Add	*103.95*	
			For Elevated Installation >40', Add	*114.35*	
			For Work In Restricted Working Space, Add	*62.37*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1133		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,915.35	138.60
			For Elevated Installation >10' To 15', Add	*27.72*	
			For Elevated Installation >15' To 20', Add	*55.44*	
			For Elevated Installation >20' To 25', Add	*69.30*	
			For Elevated Installation >25' To 30', Add	*97.02*	
			For Elevated Installation >30' To 35', Add	*110.88*	
			For Elevated Installation >35' To 40', Add	*138.60*	
			For Elevated Installation >40', Add	*152.46*	
			For Work In Restricted Working Space, Add	*83.16*	
26 05 33 13-1134		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,799.57	173.25
			For Elevated Installation >10' To 15', Add	*34.65*	
			For Elevated Installation >15' To 20', Add	*69.30*	
			For Elevated Installation >20' To 25', Add	*86.63*	
			For Elevated Installation >25' To 30', Add	*121.28*	
			For Elevated Installation >30' To 35', Add	*138.60*	
			For Elevated Installation >35' To 40', Add	*173.25*	
			For Elevated Installation >40', Add	*190.58*	
			For Work In Restricted Working Space, Add	*103.95*	
26 05 33 13-1135		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	3,173.23	210.98
			For Elevated Installation >10' To 15', Add	*42.20*	
			For Elevated Installation >15' To 20', Add	*84.39*	
			For Elevated Installation >20' To 25', Add	*105.49*	
			For Elevated Installation >25' To 30', Add	*147.69*	
			For Elevated Installation >30' To 35', Add	*168.78*	
			For Elevated Installation >35' To 40', Add	*210.98*	
			For Elevated Installation >40', Add	*232.08*	
			For Work In Restricted Working Space, Add	*126.59*	

26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1137		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	108.13	19.25
			For Elevated Installation >10' To 15', Add	*3.85*	
			For Elevated Installation >15' To 20', Add	*7.70*	
			For Elevated Installation >20' To 25', Add	*9.63*	
			For Elevated Installation >25' To 30', Add	*13.48*	
			For Elevated Installation >30' To 35', Add	*15.40*	
			For Elevated Installation >35' To 40', Add	*19.25*	
			For Elevated Installation >40', Add	*21.18*	
			For Work In Restricted Working Space, Add	*11.55*	
26 05 33 13-1138		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	126.14	23.87
			For Elevated Installation >10' To 15', Add	*4.77*	
			For Elevated Installation >15' To 20', Add	*9.55*	
			For Elevated Installation >20' To 25', Add	*11.94*	
			For Elevated Installation >25' To 30', Add	*16.71*	
			For Elevated Installation >30' To 35', Add	*19.10*	
			For Elevated Installation >35' To 40', Add	*23.87*	
			For Elevated Installation >40', Add	*26.26*	
			For Work In Restricted Working Space, Add	*14.32*	
26 05 33 13-1139		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	150.44	29.26
			For Elevated Installation >10' To 15', Add	*5.85*	
			For Elevated Installation >15' To 20', Add	*11.70*	
			For Elevated Installation >20' To 25', Add	*14.63*	
			For Elevated Installation >25' To 30', Add	*20.48*	
			For Elevated Installation >30' To 35', Add	*23.41*	
			For Elevated Installation >35' To 40', Add	*29.26*	
			For Elevated Installation >40', Add	*32.19*	
			For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-1140		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	177.45	33.88
			For Elevated Installation >10' To 15', Add	*6.78*	
			For Elevated Installation >15' To 20', Add	*13.55*	
			For Elevated Installation >20' To 25', Add	*16.94*	
			For Elevated Installation >25' To 30', Add	*23.72*	
			For Elevated Installation >30' To 35', Add	*27.10*	
			For Elevated Installation >35' To 40', Add	*33.88*	
			For Elevated Installation >40', Add	*37.27*	
			For Work In Restricted Working Space, Add	*20.33*	

26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1142		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	85.91	19.25
			For Elevated Installation >10' To 15', Add	*3.85*	
			For Elevated Installation >15' To 20', Add	*7.70*	
			For Elevated Installation >20' To 25', Add	*9.63*	
			For Elevated Installation >25' To 30', Add	*13.48*	
			For Elevated Installation >30' To 35', Add	*15.40*	
			For Elevated Installation >35' To 40', Add	*19.25*	
			For Elevated Installation >40', Add	*21.18*	
			For Work In Restricted Working Space, Add	*11.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1143	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	99.47	23.87
		For Elevated Installation >10' To 15', Add	*4.77*	
		For Elevated Installation >15' To 20', Add	*9.55*	
		For Elevated Installation >20' To 25', Add	*11.94*	
		For Elevated Installation >25' To 30', Add	*16.71*	
		For Elevated Installation >30' To 35', Add	*19.10*	
		For Elevated Installation >35' To 40', Add	*23.87*	
		For Elevated Installation >40', Add	*26.26*	
		For Work In Restricted Working Space, Add	*14.32*	
26 05 33 13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	137.45	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	177.55	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	215.85	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	307.95	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	419.96	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	

26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1150	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	108.18	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
26 05 33 13-1151	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	129.22	23.87
		For Elevated Installation >10' To 15', Add	*4.77*	
		For Elevated Installation >15' To 20', Add	*9.55*	
		For Elevated Installation >20' To 25', Add	*11.94*	
		For Elevated Installation >25' To 30', Add	*16.71*	
		For Elevated Installation >30' To 35', Add	*19.10*	
		For Elevated Installation >35' To 40', Add	*23.87*	
		For Elevated Installation >40', Add	*26.26*	
		For Work In Restricted Working Space, Add	*14.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1152	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	150.47	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	177.50	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	

26 05 33 13-1154 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1155	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	85.99	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
26 05 33 13-1156	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	99.47	23.87
		For Elevated Installation >10' To 15', Add	*4.77*	
		For Elevated Installation >15' To 20', Add	*9.55*	
		For Elevated Installation >20' To 25', Add	*11.94*	
		For Elevated Installation >25' To 30', Add	*16.71*	
		For Elevated Installation >30' To 35', Add	*19.10*	
		For Elevated Installation >35' To 40', Add	*23.87*	
		For Elevated Installation >40', Add	*26.26*	
		For Work In Restricted Working Space, Add	*14.32*	
26 05 33 13-1157	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	128.25	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-1158	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	159.68	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-1159	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	186.74	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-1160	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	214.73	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	396.19	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	456.22	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
26 05 33 13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	492.88	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	609.11	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	

26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0848)*

26 05 33 13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	179.37	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.18*	
26 05 33 13-1167	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	194.29	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.41*	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	213.09	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.11*	
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	284.52	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1170	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	360.15	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.96*	

26 05 33 13-1171 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover

(26 05 33 13-0848)

26 05 33 13-1172	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	214.58	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
26 05 33 13-1173	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	231.66	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1174	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	270.60	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
26 05 33 13-1175	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	384.33	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
26 05 33 13-1176	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	618.76	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
26 05 33 13-1177	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	669.97	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	

26 05 33 13-1178 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1179	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	234.56	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1180	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	264.99	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1181	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	289.61	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
26 05 33 13-1182	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	403.65	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
26 05 33 13-1183	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	664.85	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
26 05 33 13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	712.27	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	

26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1186	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	234.71	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
26 05 33 13-1187	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	259.09	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1188	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	307.97	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1189	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	418.36	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
26 05 33 13-1190	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	686.81	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
26 05 33 13-1191	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	739.34	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	

26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1193	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	290.03	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
26 05 33 13-1194	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	320.58	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1195	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	347.95	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
26 05 33 13-1196	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	865.42	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	

26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1198	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	142.53	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1199	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	157.02	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1200	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	175.55	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
26 05 33 13-1201	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	157.53	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
26 05 33 13-1202	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	170.14	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1203	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	193.77	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	

26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1205	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	149.62	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	
26 05 33 13-1206	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	165.01	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1207	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	181.06	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	167.67	36.96
		For Elevated Installation >10' To 15', Add	*7.39*	
		For Elevated Installation >15' To 20', Add	*14.78*	
		For Elevated Installation >20' To 25', Add	*18.48*	
		For Elevated Installation >25' To 30', Add	*25.87*	
		For Elevated Installation >30' To 35', Add	*29.57*	
		For Elevated Installation >35' To 40', Add	*36.96*	
		For Elevated Installation >40', Add	*40.66*	
		For Work In Restricted Working Space, Add	*22.18*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1209		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	183.23	42.35
			For Elevated Installation >10' To 15', Add	*8.47*	
			For Elevated Installation >15' To 20', Add	*16.94*	
			For Elevated Installation >20' To 25', Add	*21.18*	
			For Elevated Installation >25' To 30', Add	*29.65*	
			For Elevated Installation >30' To 35', Add	*33.88*	
			For Elevated Installation >35' To 40', Add	*42.35*	
			For Elevated Installation >40', Add	*46.59*	
			For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1210		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	207.25	48.51
			For Elevated Installation >10' To 15', Add	*9.70*	
			For Elevated Installation >15' To 20', Add	*19.40*	
			For Elevated Installation >20' To 25', Add	*24.26*	
			For Elevated Installation >25' To 30', Add	*33.96*	
			For Elevated Installation >30' To 35', Add	*38.81*	
			For Elevated Installation >35' To 40', Add	*48.51*	
			For Elevated Installation >40', Add	*53.36*	
			For Work In Restricted Working Space, Add	*29.11*	

26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0848)*

26 05 33 13-1212		EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	51.69	4.62
			For Elevated Installation >10' To 15', Add	*0.92*	
			For Elevated Installation >15' To 20', Add	*1.85*	
			For Elevated Installation >20' To 25', Add	*2.31*	
			For Elevated Installation >25' To 30', Add	*3.23*	
			For Elevated Installation >30' To 35', Add	*3.70*	
			For Elevated Installation >35' To 40', Add	*4.62*	
			For Elevated Installation >40', Add	*5.08*	
			For Work In Restricted Working Space, Add	*2.77*	
26 05 33 13-1213		EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	70.16	5.39
			For Elevated Installation >10' To 15', Add	*1.08*	
			For Elevated Installation >15' To 20', Add	*2.16*	
			For Elevated Installation >20' To 25', Add	*2.70*	
			For Elevated Installation >25' To 30', Add	*3.77*	
			For Elevated Installation >30' To 35', Add	*4.31*	
			For Elevated Installation >35' To 40', Add	*5.39*	
			For Elevated Installation >40', Add	*5.93*	
			For Work In Restricted Working Space, Add	*3.23*	
26 05 33 13-1214		EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	66.27	5.39
			For Elevated Installation >10' To 15', Add	*1.08*	
			For Elevated Installation >15' To 20', Add	*2.16*	
			For Elevated Installation >20' To 25', Add	*2.70*	
			For Elevated Installation >25' To 30', Add	*3.77*	
			For Elevated Installation >30' To 35', Add	*4.31*	
			For Elevated Installation >35' To 40', Add	*5.39*	
			For Elevated Installation >40', Add	*5.93*	
			For Work In Restricted Working Space, Add	*3.23*	
26 05 33 13-1215		EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	59.00	5.39
			For Elevated Installation >10' To 15', Add	*1.08*	
			For Elevated Installation >15' To 20', Add	*2.16*	
			For Elevated Installation >20' To 25', Add	*2.70*	
			For Elevated Installation >25' To 30', Add	*3.77*	
			For Elevated Installation >30' To 35', Add	*4.31*	
			For Elevated Installation >35' To 40', Add	*5.39*	
			For Elevated Installation >40', Add	*5.93*	
			For Work In Restricted Working Space, Add	*3.23*	
26 05 33 13-1216		EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	284.87	7.70
			For Elevated Installation >10' To 15', Add	*1.54*	
			For Elevated Installation >15' To 20', Add	*3.08*	
			For Elevated Installation >20' To 25', Add	*3.85*	
			For Elevated Installation >25' To 30', Add	*5.39*	
			For Elevated Installation >30' To 35', Add	*6.16*	
			For Elevated Installation >35' To 40', Add	*7.70*	
			For Elevated Installation >40', Add	*8.47*	
			For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-1217		EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	253.34	7.70
			For Elevated Installation >10' To 15', Add	*1.54*	
			For Elevated Installation >15' To 20', Add	*3.08*	
			For Elevated Installation >20' To 25', Add	*3.85*	
			For Elevated Installation >25' To 30', Add	*5.39*	
			For Elevated Installation >30' To 35', Add	*6.16*	
			For Elevated Installation >35' To 40', Add	*7.70*	
			For Elevated Installation >40', Add	*8.47*	
			For Work In Restricted Working Space, Add	*4.62*	

26 05 33 13-1218 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies *(26 05 33 13-0848)*

Note: Includes covers.

26 05 33 13-1219		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	303.90	48.51
			For Elevated Installation >10' To 15', Add	*9.70*	
			For Elevated Installation >15' To 20', Add	*19.40*	
			For Elevated Installation >20' To 25', Add	*24.26*	
			For Elevated Installation >25' To 30', Add	*33.96*	
			For Elevated Installation >30' To 35', Add	*38.81*	
			For Elevated Installation >35' To 40', Add	*48.51*	
			For Elevated Installation >40', Add	*53.36*	
			For Work In Restricted Working Space, Add	*29.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1220	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	341.62	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
26 05 33 13-1221	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	469.21	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
26 05 33 13-1222	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	559.18	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
26 05 33 13-1223	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	807.38	103.95
		For Elevated Installation >10' To 15', Add	*20.79*	
		For Elevated Installation >15' To 20', Add	*41.58*	
		For Elevated Installation >20' To 25', Add	*51.98*	
		For Elevated Installation >25' To 30', Add	*72.77*	
		For Elevated Installation >30' To 35', Add	*83.16*	
		For Elevated Installation >35' To 40', Add	*103.95*	
		For Elevated Installation >40', Add	*114.35*	
		For Work In Restricted Working Space, Add	*62.37*	
26 05 33 13-1224	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,019.91	138.60
		For Elevated Installation >10' To 15', Add	*27.72*	
		For Elevated Installation >15' To 20', Add	*55.44*	
		For Elevated Installation >20' To 25', Add	*69.30*	
		For Elevated Installation >25' To 30', Add	*97.02*	
		For Elevated Installation >30' To 35', Add	*110.88*	
		For Elevated Installation >35' To 40', Add	*138.60*	
		For Elevated Installation >40', Add	*152.46*	
		For Work In Restricted Working Space, Add	*83.16*	
26 05 33 13-1225	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,490.35	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
26 05 33 13-1226	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,848.63	210.98
		For Elevated Installation >10' To 15', Add	*42.20*	
		For Elevated Installation >15' To 20', Add	*84.39*	
		For Elevated Installation >20' To 25', Add	*105.49*	
		For Elevated Installation >25' To 30', Add	*147.69*	
		For Elevated Installation >30' To 35', Add	*168.78*	
		For Elevated Installation >35' To 40', Add	*210.98*	
		For Elevated Installation >40', Add	*232.08*	
		For Work In Restricted Working Space, Add	*126.59*	
26 05 33 13-1227	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	303.90	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
26 05 33 13-1228	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	341.62	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
26 05 33 13-1229	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	467.94	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1230	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	546.34	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
26 05 33 13-1231	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	819.20	103.95
		For Elevated Installation >10' To 15', Add	*20.79*	
		For Elevated Installation >15' To 20', Add	*41.58*	
		For Elevated Installation >20' To 25', Add	*51.98*	
		For Elevated Installation >25' To 30', Add	*72.77*	
		For Elevated Installation >30' To 35', Add	*83.16*	
		For Elevated Installation >35' To 40', Add	*103.95*	
		For Elevated Installation >40', Add	*114.35*	
		For Work In Restricted Working Space, Add	*62.37*	
26 05 33 13-1232	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,072.94	138.60
		For Elevated Installation >10' To 15', Add	*27.72*	
		For Elevated Installation >15' To 20', Add	*55.44*	
		For Elevated Installation >20' To 25', Add	*69.30*	
		For Elevated Installation >25' To 30', Add	*97.02*	
		For Elevated Installation >30' To 35', Add	*110.88*	
		For Elevated Installation >35' To 40', Add	*138.60*	
		For Elevated Installation >40', Add	*152.46*	
		For Work In Restricted Working Space, Add	*83.16*	
26 05 33 13-1233	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,554.37	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
26 05 33 13-1234	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,888.49	210.98
		For Elevated Installation >10' To 15', Add	*42.20*	
		For Elevated Installation >15' To 20', Add	*84.39*	
		For Elevated Installation >20' To 25', Add	*105.49*	
		For Elevated Installation >25' To 30', Add	*147.69*	
		For Elevated Installation >30' To 35', Add	*168.78*	
		For Elevated Installation >35' To 40', Add	*210.98*	
		For Elevated Installation >40', Add	*232.08*	
		For Work In Restricted Working Space, Add	*126.59*	
26 05 33 13-1235	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	303.90	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
26 05 33 13-1236	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	341.62	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
26 05 33 13-1237	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	467.94	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
26 05 33 13-1238	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	546.34	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
26 05 33 13-1239	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	819.20	103.95
		For Elevated Installation >10' To 15', Add	*20.79*	
		For Elevated Installation >15' To 20', Add	*41.58*	
		For Elevated Installation >20' To 25', Add	*51.98*	
		For Elevated Installation >25' To 30', Add	*72.77*	
		For Elevated Installation >30' To 35', Add	*83.16*	
		For Elevated Installation >35' To 40', Add	*103.95*	
		For Elevated Installation >40', Add	*114.35*	
		For Work In Restricted Working Space, Add	*62.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1240	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,072.94	138.60
		For Elevated Installation >10' To 15', Add	*27.72*	
		For Elevated Installation >15' To 20', Add	*55.44*	
		For Elevated Installation >20' To 25', Add	*69.30*	
		For Elevated Installation >25' To 30', Add	*97.02*	
		For Elevated Installation >30' To 35', Add	*110.88*	
		For Elevated Installation >35' To 40', Add	*138.60*	
		For Elevated Installation >40', Add	*152.46*	
		For Work In Restricted Working Space, Add	*83.16*	
26 05 33 13-1241	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,554.37	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
26 05 33 13-1242	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,888.49	210.98
		For Elevated Installation >10' To 15', Add	*42.20*	
		For Elevated Installation >15' To 20', Add	*84.39*	
		For Elevated Installation >20' To 25', Add	*105.49*	
		For Elevated Installation >25' To 30', Add	*147.69*	
		For Elevated Installation >30' To 35', Add	*168.78*	
		For Elevated Installation >35' To 40', Add	*210.98*	
		For Elevated Installation >40', Add	*232.08*	
		For Work In Restricted Working Space, Add	*126.59*	
26 05 33 13-1243	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	303.90	48.51
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.40*	
		For Elevated Installation >20' To 25', Add	*24.26*	
		For Elevated Installation >25' To 30', Add	*33.96*	
		For Elevated Installation >30' To 35', Add	*38.81*	
		For Elevated Installation >35' To 40', Add	*48.51*	
		For Elevated Installation >40', Add	*53.36*	
		For Work In Restricted Working Space, Add	*29.11*	
26 05 33 13-1244	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	341.62	56.21
		For Elevated Installation >10' To 15', Add	*11.24*	
		For Elevated Installation >15' To 20', Add	*22.48*	
		For Elevated Installation >20' To 25', Add	*28.11*	
		For Elevated Installation >25' To 30', Add	*39.35*	
		For Elevated Installation >30' To 35', Add	*44.97*	
		For Elevated Installation >35' To 40', Add	*56.21*	
		For Elevated Installation >40', Add	*61.83*	
		For Work In Restricted Working Space, Add	*33.73*	
26 05 33 13-1245	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	469.21	61.60
		For Elevated Installation >10' To 15', Add	*12.32*	
		For Elevated Installation >15' To 20', Add	*24.64*	
		For Elevated Installation >20' To 25', Add	*30.80*	
		For Elevated Installation >25' To 30', Add	*43.12*	
		For Elevated Installation >30' To 35', Add	*49.28*	
		For Elevated Installation >35' To 40', Add	*61.60*	
		For Elevated Installation >40', Add	*67.76*	
		For Work In Restricted Working Space, Add	*36.96*	
26 05 33 13-1246	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	553.26	73.92
		For Elevated Installation >10' To 15', Add	*14.78*	
		For Elevated Installation >15' To 20', Add	*29.57*	
		For Elevated Installation >20' To 25', Add	*36.96*	
		For Elevated Installation >25' To 30', Add	*51.74*	
		For Elevated Installation >30' To 35', Add	*59.14*	
		For Elevated Installation >35' To 40', Add	*73.92*	
		For Elevated Installation >40', Add	*81.31*	
		For Work In Restricted Working Space, Add	*44.35*	
26 05 33 13-1247	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	807.38	103.95
		For Elevated Installation >10' To 15', Add	*20.79*	
		For Elevated Installation >15' To 20', Add	*41.58*	
		For Elevated Installation >20' To 25', Add	*51.98*	
		For Elevated Installation >25' To 30', Add	*72.77*	
		For Elevated Installation >30' To 35', Add	*83.16*	
		For Elevated Installation >35' To 40', Add	*103.95*	
		For Elevated Installation >40', Add	*114.35*	
		For Work In Restricted Working Space, Add	*62.37*	
26 05 33 13-1248	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,019.91	138.60
		For Elevated Installation >10' To 15', Add	*27.72*	
		For Elevated Installation >15' To 20', Add	*55.44*	
		For Elevated Installation >20' To 25', Add	*69.30*	
		For Elevated Installation >25' To 30', Add	*97.02*	
		For Elevated Installation >30' To 35', Add	*110.88*	
		For Elevated Installation >35' To 40', Add	*138.60*	
		For Elevated Installation >40', Add	*152.46*	
		For Work In Restricted Working Space, Add	*83.16*	
26 05 33 13-1249	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,490.35	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1250		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,865.23	210.98
			For Elevated Installation >10' To 15', Add	*42.20*	
			For Elevated Installation >15' To 20', Add	*84.39*	
			For Elevated Installation >20' To 25', Add	*105.49*	
			For Elevated Installation >25' To 30', Add	*147.69*	
			For Elevated Installation >30' To 35', Add	*168.78*	
			For Elevated Installation >35' To 40', Add	*210.98*	
			For Elevated Installation >40', Add	*232.08*	
			For Work In Restricted Working Space, Add	*126.59*	

26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0848)*

26 05 33 13-1252		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	148.64	6.93
			For Elevated Installation >10' To 15', Add	*1.39*	
			For Elevated Installation >15' To 20', Add	*2.77*	
			For Elevated Installation >20' To 25', Add	*3.47*	
			For Elevated Installation >25' To 30', Add	*4.85*	
			For Elevated Installation >30' To 35', Add	*5.54*	
			For Elevated Installation >35' To 40', Add	*6.93*	
			For Elevated Installation >40', Add	*7.62*	
			For Work In Restricted Working Space, Add	*4.16*	
26 05 33 13-1253		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	150.18	7.70
			For Elevated Installation >10' To 15', Add	*1.54*	
			For Elevated Installation >15' To 20', Add	*3.08*	
			For Elevated Installation >20' To 25', Add	*3.85*	
			For Elevated Installation >25' To 30', Add	*5.39*	
			For Elevated Installation >30' To 35', Add	*6.16*	
			For Elevated Installation >35' To 40', Add	*7.70*	
			For Elevated Installation >40', Add	*8.47*	
			For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-1254		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	212.30	10.78
			For Elevated Installation >10' To 15', Add	*2.16*	
			For Elevated Installation >15' To 20', Add	*4.31*	
			For Elevated Installation >20' To 25', Add	*5.39*	
			For Elevated Installation >25' To 30', Add	*7.55*	
			For Elevated Installation >30' To 35', Add	*8.62*	
			For Elevated Installation >35' To 40', Add	*10.78*	
			For Elevated Installation >40', Add	*11.86*	
			For Work In Restricted Working Space, Add	*6.47*	
26 05 33 13-1255		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	215.38	12.32
			For Elevated Installation >10' To 15', Add	*2.46*	
			For Elevated Installation >15' To 20', Add	*4.93*	
			For Elevated Installation >20' To 25', Add	*6.16*	
			For Elevated Installation >25' To 30', Add	*8.62*	
			For Elevated Installation >30' To 35', Add	*9.86*	
			For Elevated Installation >35' To 40', Add	*12.32*	
			For Elevated Installation >40', Add	*13.55*	
			For Work In Restricted Working Space, Add	*7.39*	
26 05 33 13-1256		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	375.37	14.63
			For Elevated Installation >10' To 15', Add	*2.93*	
			For Elevated Installation >15' To 20', Add	*5.85*	
			For Elevated Installation >20' To 25', Add	*7.32*	
			For Elevated Installation >25' To 30', Add	*10.24*	
			For Elevated Installation >30' To 35', Add	*11.70*	
			For Elevated Installation >35' To 40', Add	*14.63*	
			For Elevated Installation >40', Add	*16.09*	
			For Work In Restricted Working Space, Add	*8.78*	
26 05 33 13-1257		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	383.07	18.48
			For Elevated Installation >10' To 15', Add	*3.70*	
			For Elevated Installation >15' To 20', Add	*7.39*	
			For Elevated Installation >20' To 25', Add	*9.24*	
			For Elevated Installation >25' To 30', Add	*12.94*	
			For Elevated Installation >30' To 35', Add	*14.78*	
			For Elevated Installation >35' To 40', Add	*18.48*	
			For Elevated Installation >40', Add	*20.33*	
			For Work In Restricted Working Space, Add	*11.09*	
26 05 33 13-1258		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	575.96	20.79
			For Elevated Installation >10' To 15', Add	*4.16*	
			For Elevated Installation >15' To 20', Add	*8.32*	
			For Elevated Installation >20' To 25', Add	*10.40*	
			For Elevated Installation >25' To 30', Add	*14.55*	
			For Elevated Installation >30' To 35', Add	*16.63*	
			For Elevated Installation >35' To 40', Add	*20.79*	
			For Elevated Installation >40', Add	*22.87*	
			For Work In Restricted Working Space, Add	*12.47*	
26 05 33 13-1259		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	588.28	26.95
			For Elevated Installation >10' To 15', Add	*5.39*	
			For Elevated Installation >15' To 20', Add	*10.78*	
			For Elevated Installation >20' To 25', Add	*13.48*	
			For Elevated Installation >25' To 30', Add	*18.87*	
			For Elevated Installation >30' To 35', Add	*21.56*	
			For Elevated Installation >35' To 40', Add	*26.95*	
			For Elevated Installation >40', Add	*29.65*	
			For Work In Restricted Working Space, Add	*16.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1260		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0848)*		
26 05 33 13-1261	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	257.02	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
26 05 33 13-1262	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	303.83	23.87
		For Elevated Installation >10' To 15', Add	*4.77*	
		For Elevated Installation >15' To 20', Add	*9.55*	
		For Elevated Installation >20' To 25', Add	*11.94*	
		For Elevated Installation >25' To 30', Add	*16.71*	
		For Elevated Installation >30' To 35', Add	*19.10*	
		For Elevated Installation >35' To 40', Add	*23.87*	
		For Elevated Installation >40', Add	*26.26*	
		For Work In Restricted Working Space, Add	*14.32*	
26 05 33 13-1263	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	359.79	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-1264	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	442.93	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-1265	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	591.14	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-1266	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	816.91	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1267	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,165.64	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-1268	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,450.29	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
26 05 33 13-1269	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,032.01	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1270		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,343.68	106.26
			For Elevated Installation >10' To 15', Add	*21.25*	
			For Elevated Installation >15' To 20', Add	*42.50*	
			For Elevated Installation >20' To 25', Add	*53.13*	
			For Elevated Installation >25' To 30', Add	*74.38*	
			For Elevated Installation >30' To 35', Add	*85.00*	
			For Elevated Installation >35' To 40', Add	*106.26*	
			For Elevated Installation >40', Add	*116.88*	
			For Work In Restricted Working Space, Add	*63.75*	

26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0848)*

26 05 33 13-1272		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	406.73	19.25
			For Elevated Installation >10' To 15', Add	*3.85*	
			For Elevated Installation >15' To 20', Add	*7.70*	
			For Elevated Installation >20' To 25', Add	*9.63*	
			For Elevated Installation >25' To 30', Add	*13.48*	
			For Elevated Installation >30' To 35', Add	*15.40*	
			For Elevated Installation >35' To 40', Add	*19.25*	
			For Elevated Installation >40', Add	*21.18*	
			For Work In Restricted Working Space, Add	*11.55*	
26 05 33 13-1273		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	422.91	23.87
			For Elevated Installation >10' To 15', Add	*4.77*	
			For Elevated Installation >15' To 20', Add	*9.55*	
			For Elevated Installation >20' To 25', Add	*11.94*	
			For Elevated Installation >25' To 30', Add	*16.71*	
			For Elevated Installation >30' To 35', Add	*19.10*	
			For Elevated Installation >35' To 40', Add	*23.87*	
			For Elevated Installation >40', Add	*26.26*	
			For Work In Restricted Working Space, Add	*14.32*	
26 05 33 13-1274		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	475.33	29.26
			For Elevated Installation >10' To 15', Add	*5.85*	
			For Elevated Installation >15' To 20', Add	*11.70*	
			For Elevated Installation >20' To 25', Add	*14.63*	
			For Elevated Installation >25' To 30', Add	*20.48*	
			For Elevated Installation >30' To 35', Add	*23.41*	
			For Elevated Installation >35' To 40', Add	*29.26*	
			For Elevated Installation >40', Add	*32.19*	
			For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-1275		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	574.96	33.88
			For Elevated Installation >10' To 15', Add	*6.78*	
			For Elevated Installation >15' To 20', Add	*13.55*	
			For Elevated Installation >20' To 25', Add	*16.94*	
			For Elevated Installation >25' To 30', Add	*23.72*	
			For Elevated Installation >30' To 35', Add	*27.10*	
			For Elevated Installation >35' To 40', Add	*33.88*	
			For Elevated Installation >40', Add	*37.27*	
			For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-1276		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	696.57	38.50
			For Elevated Installation >10' To 15', Add	*7.70*	
			For Elevated Installation >15' To 20', Add	*15.40*	
			For Elevated Installation >20' To 25', Add	*19.25*	
			For Elevated Installation >25' To 30', Add	*26.95*	
			For Elevated Installation >30' To 35', Add	*30.80*	
			For Elevated Installation >35' To 40', Add	*38.50*	
			For Elevated Installation >40', Add	*42.35*	
			For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-1277		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	889.49	42.35
			For Elevated Installation >10' To 15', Add	*8.47*	
			For Elevated Installation >15' To 20', Add	*16.94*	
			For Elevated Installation >20' To 25', Add	*21.18*	
			For Elevated Installation >25' To 30', Add	*29.65*	
			For Elevated Installation >30' To 35', Add	*33.88*	
			For Elevated Installation >35' To 40', Add	*42.35*	
			For Elevated Installation >40', Add	*46.59*	
			For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1278		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,311.84	53.13
			For Elevated Installation >10' To 15', Add	*10.63*	
			For Elevated Installation >15' To 20', Add	*21.25*	
			For Elevated Installation >20' To 25', Add	*26.57*	
			For Elevated Installation >25' To 30', Add	*37.19*	
			For Elevated Installation >30' To 35', Add	*42.50*	
			For Elevated Installation >35' To 40', Add	*53.13*	
			For Elevated Installation >40', Add	*58.44*	
			For Work In Restricted Working Space, Add	*31.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1279	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,645.66	72.38
		For Elevated Installation >10' To 15', Add	*14.48*	
		For Elevated Installation >15' To 20', Add	*28.95*	
		For Elevated Installation >20' To 25', Add	*36.19*	
		For Elevated Installation >25' To 30', Add	*50.67*	
		For Elevated Installation >30' To 35', Add	*57.90*	
		For Elevated Installation >35' To 40', Add	*72.38*	
		For Elevated Installation >40', Add	*79.62*	
		For Work In Restricted Working Space, Add	*43.43*	
26 05 33 13-1280	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,095.08	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-1281	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,623.00	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	

26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1283	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	85.34	9.24
		For Elevated Installation >10' To 15', Add	*1.85*	
		For Elevated Installation >15' To 20', Add	*3.70*	
		For Elevated Installation >20' To 25', Add	*4.62*	
		For Elevated Installation >25' To 30', Add	*6.47*	
		For Elevated Installation >30' To 35', Add	*7.39*	
		For Elevated Installation >35' To 40', Add	*9.24*	
		For Elevated Installation >40', Add	*10.16*	
		For Work In Restricted Working Space, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.54*	
26 05 33 13-1284	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	92.77	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1285	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	102.26	13.86
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.54*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.70*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.86*	
		For Elevated Installation >40', Add	*15.25*	
		For Work In Restricted Working Space, Add	*8.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-1286	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	115.89	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	155.31	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	189.47	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.25*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.72*	
		For Work In Restricted Working Space, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.94*	
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	270.59	26.95
		For Elevated Installation >10' To 15', Add	*5.39*	
		For Elevated Installation >15' To 20', Add	*10.78*	
		For Elevated Installation >20' To 25', Add	*13.48*	
		For Elevated Installation >25' To 30', Add	*18.87*	
		For Elevated Installation >30' To 35', Add	*21.56*	
		For Elevated Installation >35' To 40', Add	*26.95*	
		For Elevated Installation >40', Add	*29.65*	
		For Work In Restricted Working Space, Add	*16.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.17*	
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	353.41	36.19
		For Elevated Installation >10' To 15', Add	*7.24*	
		For Elevated Installation >15' To 20', Add	*14.48*	
		For Elevated Installation >20' To 25', Add	*18.10*	
		For Elevated Installation >25' To 30', Add	*25.33*	
		For Elevated Installation >30' To 35', Add	*28.95*	
		For Elevated Installation >35' To 40', Add	*36.19*	
		For Elevated Installation >40', Add	*39.81*	
		For Work In Restricted Working Space, Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.71*	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	450.38	40.81
		For Elevated Installation >10' To 15', Add	*8.16*	
		For Elevated Installation >15' To 20', Add	*16.32*	
		For Elevated Installation >20' To 25', Add	*20.41*	
		For Elevated Installation >25' To 30', Add	*28.57*	
		For Elevated Installation >30' To 35', Add	*32.65*	
		For Elevated Installation >35' To 40', Add	*40.81*	
		For Elevated Installation >40', Add	*44.89*	
		For Work In Restricted Working Space, Add	*24.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	566.74	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	708.00	86.23
		For Elevated Installation >10' To 15', Add	*17.25*	
		For Elevated Installation >15' To 20', Add	*34.50*	
		For Elevated Installation >20' To 25', Add	*43.12*	
		For Elevated Installation >25' To 30', Add	*60.37*	
		For Elevated Installation >30' To 35', Add	*68.99*	
		For Elevated Installation >35' To 40', Add	*86.24*	
		For Elevated Installation >40', Add	*94.86*	
		For Work In Restricted Working Space, Add	*51.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.74*	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	1,067.79	130.13
		For Elevated Installation >10' To 15', Add	*26.03*	
		For Elevated Installation >15' To 20', Add	*52.05*	
		For Elevated Installation >20' To 25', Add	*65.07*	
		For Elevated Installation >25' To 30', Add	*91.09*	
		For Elevated Installation >30' To 35', Add	*104.10*	
		For Elevated Installation >35' To 40', Add	*130.13*	
		For Elevated Installation >40', Add	*143.14*	
		For Work In Restricted Working Space, Add	*78.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.08*	

26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1296	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	127.87	9.24
		For Elevated Installation >10' To 15', Add	*1.85*	
		For Elevated Installation >15' To 20', Add	*3.70*	
		For Elevated Installation >20' To 25', Add	*4.62*	
		For Elevated Installation >25' To 30', Add	*6.47*	
		For Elevated Installation >30' To 35', Add	*7.39*	
		For Elevated Installation >35' To 40', Add	*9.24*	
		For Elevated Installation >40', Add	*10.16*	
		For Work In Restricted Working Space, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1297	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	135.60	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1298	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	146.03	13.86
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.54*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.70*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.86*	
		For Elevated Installation >40', Add	*15.25*	
		For Work In Restricted Working Space, Add	*8.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-1299	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	166.93	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1300	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	179.41	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1301	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	202.89	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.25*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.72*	
		For Work In Restricted Working Space, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.94*	
26 05 33 13-1302	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	308.27	26.95
		For Elevated Installation >10' To 15', Add	*5.39*	
		For Elevated Installation >15' To 20', Add	*10.78*	
		For Elevated Installation >20' To 25', Add	*13.48*	
		For Elevated Installation >25' To 30', Add	*18.87*	
		For Elevated Installation >30' To 35', Add	*21.56*	
		For Elevated Installation >35' To 40', Add	*26.95*	
		For Elevated Installation >40', Add	*29.65*	
		For Work In Restricted Working Space, Add	*16.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.17*	
26 05 33 13-1303	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	369.66	36.19
		For Elevated Installation >10' To 15', Add	*7.24*	
		For Elevated Installation >15' To 20', Add	*14.48*	
		For Elevated Installation >20' To 25', Add	*18.10*	
		For Elevated Installation >25' To 30', Add	*25.33*	
		For Elevated Installation >30' To 35', Add	*28.95*	
		For Elevated Installation >35' To 40', Add	*36.19*	
		For Elevated Installation >40', Add	*39.81*	
		For Work In Restricted Working Space, Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.71*	
26 05 33 13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	453.89	40.81
		For Elevated Installation >10' To 15', Add	*8.16*	
		For Elevated Installation >15' To 20', Add	*16.32*	
		For Elevated Installation >20' To 25', Add	*20.41*	
		For Elevated Installation >25' To 30', Add	*28.57*	
		For Elevated Installation >30' To 35', Add	*32.65*	
		For Elevated Installation >35' To 40', Add	*40.81*	
		For Elevated Installation >40', Add	*44.89*	
		For Work In Restricted Working Space, Add	*24.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 05 33 13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	589.39	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	917.48	86.23
		For Elevated Installation >10' To 15', Add	*17.25*	
		For Elevated Installation >15' To 20', Add	*34.50*	
		For Elevated Installation >20' To 25', Add	*43.12*	
		For Elevated Installation >25' To 30', Add	*60.37*	
		For Elevated Installation >30' To 35', Add	*68.99*	
		For Elevated Installation >35' To 40', Add	*86.24*	
		For Elevated Installation >40', Add	*94.86*	
		For Work In Restricted Working Space, Add	*51.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.74*	
26 05 33 13-1307	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,499.47	130.13
		For Elevated Installation >10' To 15', Add	*26.03*	
		For Elevated Installation >15' To 20', Add	*52.05*	
		For Elevated Installation >20' To 25', Add	*65.07*	
		For Elevated Installation >25' To 30', Add	*91.09*	
		For Elevated Installation >30' To 35', Add	*104.10*	
		For Elevated Installation >35' To 40', Add	*130.13*	
		For Elevated Installation >40', Add	*143.14*	
		For Work In Restricted Working Space, Add	*78.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.08*	

26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1309	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	137.32	9.24
		For Elevated Installation >10' To 15', Add	*1.85*	
		For Elevated Installation >15' To 20', Add	*3.70*	
		For Elevated Installation >20' To 25', Add	*4.62*	
		For Elevated Installation >25' To 30', Add	*6.47*	
		For Elevated Installation >30' To 35', Add	*7.39*	
		For Elevated Installation >35' To 40', Add	*9.24*	
		For Elevated Installation >40', Add	*10.16*	
		For Work In Restricted Working Space, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.54*	
26 05 33 13-1310	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	144.58	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1311	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	155.41	13.86
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.54*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.70*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.86*	
		For Elevated Installation >40', Add	*15.25*	
		For Work In Restricted Working Space, Add	*8.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-1312	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	195.41	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1313	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	213.78	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1314	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	226.61	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.25*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.72*	
		For Work In Restricted Working Space, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.94*	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1316	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	104.11	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
26 05 33 13-1317	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	114.55	23.87
		For Elevated Installation >10' To 15', Add	*4.77*	
		For Elevated Installation >15' To 20', Add	*9.55*	
		For Elevated Installation >20' To 25', Add	*11.94*	
		For Elevated Installation >25' To 30', Add	*16.71*	
		For Elevated Installation >30' To 35', Add	*19.10*	
		For Elevated Installation >35' To 40', Add	*23.87*	
		For Elevated Installation >40', Add	*26.26*	
		For Work In Restricted Working Space, Add	*14.32*	
26 05 33 13-1318	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	148.08	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-1319	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	211.90	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-1320	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	250.86	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-1321	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	316.39	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1322	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	419.93	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-1323	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	538.70	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-1324	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	699.65	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-1325	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	901.27	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,633.88	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
26 05 33 13-1327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	2,053.78	260.26
		For Elevated Installation >10' To 15', Add	*52.05*	
		For Elevated Installation >15' To 20', Add	*104.10*	
		For Elevated Installation >20' To 25', Add	*130.13*	
		For Elevated Installation >25' To 30', Add	*182.18*	
		For Elevated Installation >30' To 35', Add	*208.21*	
		For Elevated Installation >35' To 40', Add	*260.26*	
		For Elevated Installation >40', Add	*286.29*	
		For Work In Restricted Working Space, Add	*156.16*	

26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0848)*

26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	106.32	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	122.99	23.87
		For Elevated Installation >10' To 15', Add	*4.77*	
		For Elevated Installation >15' To 20', Add	*9.55*	
		For Elevated Installation >20' To 25', Add	*11.94*	
		For Elevated Installation >25' To 30', Add	*16.71*	
		For Elevated Installation >30' To 35', Add	*19.10*	
		For Elevated Installation >35' To 40', Add	*23.87*	
		For Elevated Installation >40', Add	*26.26*	
		For Work In Restricted Working Space, Add	*14.32*	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	152.58	29.26
		For Elevated Installation >10' To 15', Add	*5.85*	
		For Elevated Installation >15' To 20', Add	*11.70*	
		For Elevated Installation >20' To 25', Add	*14.63*	
		For Elevated Installation >25' To 30', Add	*20.48*	
		For Elevated Installation >30' To 35', Add	*23.41*	
		For Elevated Installation >35' To 40', Add	*29.26*	
		For Elevated Installation >40', Add	*32.19*	
		For Work In Restricted Working Space, Add	*17.56*	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	220.16	33.88
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.55*	
		For Elevated Installation >20' To 25', Add	*16.94*	
		For Elevated Installation >25' To 30', Add	*23.72*	
		For Elevated Installation >30' To 35', Add	*27.10*	
		For Elevated Installation >35' To 40', Add	*33.88*	
		For Elevated Installation >40', Add	*37.27*	
		For Work In Restricted Working Space, Add	*20.33*	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	262.32	38.50
		For Elevated Installation >10' To 15', Add	*7.70*	
		For Elevated Installation >15' To 20', Add	*15.40*	
		For Elevated Installation >20' To 25', Add	*19.25*	
		For Elevated Installation >25' To 30', Add	*26.95*	
		For Elevated Installation >30' To 35', Add	*30.80*	
		For Elevated Installation >35' To 40', Add	*38.50*	
		For Elevated Installation >40', Add	*42.35*	
		For Work In Restricted Working Space, Add	*23.10*	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	341.15	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	472.91	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	592.57	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.57*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	797.04	81.62
		For Elevated Installation >10' To 15', Add	*16.32*	
		For Elevated Installation >15' To 20', Add	*32.65*	
		For Elevated Installation >20' To 25', Add	*40.81*	
		For Elevated Installation >25' To 30', Add	*57.13*	
		For Elevated Installation >30' To 35', Add	*65.30*	
		For Elevated Installation >35' To 40', Add	*81.62*	
		For Elevated Installation >40', Add	*89.78*	
		For Work In Restricted Working Space, Add	*48.97*	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	998.31	106.26
		For Elevated Installation >10' To 15', Add	*21.25*	
		For Elevated Installation >15' To 20', Add	*42.50*	
		For Elevated Installation >20' To 25', Add	*53.13*	
		For Elevated Installation >25' To 30', Add	*74.38*	
		For Elevated Installation >30' To 35', Add	*85.00*	
		For Elevated Installation >35' To 40', Add	*106.26*	
		For Elevated Installation >40', Add	*116.88*	
		For Work In Restricted Working Space, Add	*63.75*	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,811.76	173.25
		For Elevated Installation >10' To 15', Add	*34.65*	
		For Elevated Installation >15' To 20', Add	*69.30*	
		For Elevated Installation >20' To 25', Add	*86.63*	
		For Elevated Installation >25' To 30', Add	*121.28*	
		For Elevated Installation >30' To 35', Add	*138.60*	
		For Elevated Installation >35' To 40', Add	*173.25*	
		For Elevated Installation >40', Add	*190.58*	
		For Work In Restricted Working Space, Add	*103.95*	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	2,340.99	260.26
		For Elevated Installation >10' To 15', Add	*52.05*	
		For Elevated Installation >15' To 20', Add	*104.10*	
		For Elevated Installation >20' To 25', Add	*130.13*	
		For Elevated Installation >25' To 30', Add	*182.18*	
		For Elevated Installation >30' To 35', Add	*208.21*	
		For Elevated Installation >35' To 40', Add	*260.26*	
		For Elevated Installation >40', Add	*286.29*	
		For Work In Restricted Working Space, Add	*156.16*	

26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0848)*

26 05 33 13-1342	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	56.71	6.16
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.46*	
		For Elevated Installation >20' To 25', Add	*3.08*	
		For Elevated Installation >25' To 30', Add	*4.31*	
		For Elevated Installation >30' To 35', Add	*4.93*	
		For Elevated Installation >35' To 40', Add	*6.16*	
		For Elevated Installation >40', Add	*6.78*	
		For Work In Restricted Working Space, Add	*3.70*	
26 05 33 13-1343	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	62.46	7.70
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.71*	
		For Elevated Installation >40', Add	*8.48*	
		For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-1344	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	70.75	7.70
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.71*	
		For Elevated Installation >40', Add	*8.48*	
		For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-1345	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	87.15	8.47
		For Elevated Installation >10' To 15', Add	*1.69*	
		For Elevated Installation >15' To 20', Add	*3.39*	
		For Elevated Installation >20' To 25', Add	*4.24*	
		For Elevated Installation >25' To 30', Add	*5.93*	
		For Elevated Installation >30' To 35', Add	*6.78*	
		For Elevated Installation >35' To 40', Add	*8.47*	
		For Elevated Installation >40', Add	*9.32*	
		For Work In Restricted Working Space, Add	*5.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1346	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	91.93	8.47
		For Elevated Installation >10' To 15', Add	*1.69*	
		For Elevated Installation >15' To 20', Add	*3.39*	
		For Elevated Installation >20' To 25', Add	*4.24*	
		For Elevated Installation >25' To 30', Add	*5.93*	
		For Elevated Installation >30' To 35', Add	*6.78*	
		For Elevated Installation >35' To 40', Add	*8.47*	
		For Elevated Installation >40', Add	*9.32*	
		For Work In Restricted Working Space, Add	*5.08*	
26 05 33 13-1347	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	79.68	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
26 05 33 13-1348	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	90.36	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
26 05 33 13-1349	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	138.38	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
26 05 33 13-1350	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	153.94	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.78*	
		For Elevated Installation >25' To 30', Add	*8.09*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.71*	
		For Work In Restricted Working Space, Add	*6.93*	
26 05 33 13-1351	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	149.80	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.78*	
		For Elevated Installation >25' To 30', Add	*8.09*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.71*	
		For Work In Restricted Working Space, Add	*6.93*	
26 05 33 13-1352	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	157.50	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.78*	
		For Elevated Installation >25' To 30', Add	*8.09*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.71*	
		For Work In Restricted Working Space, Add	*6.93*	
26 05 33 13-1353	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	176.87	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.78*	
		For Elevated Installation >25' To 30', Add	*8.09*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.71*	
		For Work In Restricted Working Space, Add	*6.93*	
26 05 33 13-1354	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	176.28	13.86
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.54*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.70*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.86*	
		For Elevated Installation >40', Add	*15.25*	
		For Work In Restricted Working Space, Add	*8.32*	
26 05 33 13-1355	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	225.19	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1356	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	330.01	22.33
		For Elevated Installation >10' To 15', Add	*4.47*	
		For Elevated Installation >15' To 20', Add	*8.93*	
		For Elevated Installation >20' To 25', Add	*11.17*	
		For Elevated Installation >25' To 30', Add	*15.63*	
		For Elevated Installation >30' To 35', Add	*17.86*	
		For Elevated Installation >35' To 40', Add	*22.33*	
		For Elevated Installation >40', Add	*24.56*	
		For Work In Restricted Working Space, Add	*13.40*	
26 05 33 13-1357	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	441.78	30.80
		For Elevated Installation >10' To 15', Add	*6.16*	
		For Elevated Installation >15' To 20', Add	*12.32*	
		For Elevated Installation >20' To 25', Add	*15.40*	
		For Elevated Installation >25' To 30', Add	*21.56*	
		For Elevated Installation >30' To 35', Add	*24.64*	
		For Elevated Installation >35' To 40', Add	*30.81*	
		For Elevated Installation >40', Add	*33.89*	
		For Work In Restricted Working Space, Add	*18.48*	
26 05 33 13-1358	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	553.44	42.35
		For Elevated Installation >10' To 15', Add	*8.47*	
		For Elevated Installation >15' To 20', Add	*16.94*	
		For Elevated Installation >20' To 25', Add	*21.18*	
		For Elevated Installation >25' To 30', Add	*29.65*	
		For Elevated Installation >30' To 35', Add	*33.88*	
		For Elevated Installation >35' To 40', Add	*42.35*	
		For Elevated Installation >40', Add	*46.59*	
		For Work In Restricted Working Space, Add	*25.41*	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0848)*

26 05 33 13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.09	9.24
		For Elevated Installation >10' To 15', Add	*1.85*	
		For Elevated Installation >15' To 20', Add	*3.70*	
		For Elevated Installation >20' To 25', Add	*4.62*	
		For Elevated Installation >25' To 30', Add	*6.47*	
		For Elevated Installation >30' To 35', Add	*7.39*	
		For Elevated Installation >35' To 40', Add	*9.24*	
		For Elevated Installation >40', Add	*10.16*	
		For Work In Restricted Working Space, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.54*	
26 05 33 13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.05	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.27	14.63
		For Elevated Installation >10' To 15', Add	*2.93*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.32*	
		For Elevated Installation >25' To 30', Add	*10.24*	
		For Elevated Installation >30' To 35', Add	*11.70*	
		For Elevated Installation >35' To 40', Add	*14.63*	
		For Elevated Installation >40', Add	*16.09*	
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.49	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.92	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.02	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 05 33 13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.60	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.83	14.63
		For Elevated Installation >10' To 15', Add	*2.93*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.32*	
		For Elevated Installation >25' To 30', Add	*10.24*	
		For Elevated Installation >30' To 35', Add	*11.70*	
		For Elevated Installation >35' To 40', Add	*14.63*	
		For Elevated Installation >40', Add	*16.09*	
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-1368	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.21	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1369	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.84	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1370	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.74	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.25*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.72*	
		For Work In Restricted Working Space, Add	*12.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.94*	
26 05 33 13-1371	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.20	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 05 33 13-1372	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.77	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1373	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.16	14.63
		For Elevated Installation >10' To 15', Add	*2.93*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.32*	
		For Elevated Installation >25' To 30', Add	*10.24*	
		For Elevated Installation >30' To 35', Add	*11.70*	
		For Elevated Installation >35' To 40', Add	*14.63*	
		For Elevated Installation >40', Add	*16.09*	
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1374	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.56	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1375	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.20	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1376	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.64	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.24*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.71*	
		For Work In Restricted Working Space, Add	*12.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.93*	
26 05 33 13-1377	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.61	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 05 33 13-1378	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.19	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1379	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.76	14.63
		For Elevated Installation >10' To 15', Add	*2.93*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.32*	
		For Elevated Installation >25' To 30', Add	*10.24*	
		For Elevated Installation >30' To 35', Add	*11.70*	
		For Elevated Installation >35' To 40', Add	*14.63*	
		For Elevated Installation >40', Add	*16.09*	
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-1380	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.04	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1381	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	68.83	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1382	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	76.49	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.24*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.71*	
		For Work In Restricted Working Space, Add	*12.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	105.33	26.18
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.47*	
		For Elevated Installation >20' To 25', Add	*13.09*	
		For Elevated Installation >25' To 30', Add	*18.32*	
		For Elevated Installation >30' To 35', Add	*20.94*	
		For Elevated Installation >35' To 40', Add	*26.18*	
		For Elevated Installation >40', Add	*28.79*	
		For Work In Restricted Working Space, Add	*15.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.71*	
26 05 33 13-1384	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	137.19	36.19
		For Elevated Installation >10' To 15', Add	*7.24*	
		For Elevated Installation >15' To 20', Add	*14.47*	
		For Elevated Installation >20' To 25', Add	*18.09*	
		For Elevated Installation >25' To 30', Add	*25.33*	
		For Elevated Installation >30' To 35', Add	*28.95*	
		For Elevated Installation >35' To 40', Add	*36.19*	
		For Elevated Installation >40', Add	*39.80*	
		For Work In Restricted Working Space, Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.71*	
26 05 33 13-1385	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.79	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 05 33 13-1386	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.52	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1387	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.11	14.63
		For Elevated Installation >10' To 15', Add	*2.93*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.32*	
		For Elevated Installation >25' To 30', Add	*10.24*	
		For Elevated Installation >30' To 35', Add	*11.70*	
		For Elevated Installation >35' To 40', Add	*14.63*	
		For Elevated Installation >40', Add	*16.09*	
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-1388	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.51	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1389	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	70.45	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1390	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	79.34	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.24*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.71*	
		For Work In Restricted Working Space, Add	*12.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.93*	
26 05 33 13-1391	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	107.84	26.18
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.47*	
		For Elevated Installation >20' To 25', Add	*13.09*	
		For Elevated Installation >25' To 30', Add	*18.32*	
		For Elevated Installation >30' To 35', Add	*20.94*	
		For Elevated Installation >35' To 40', Add	*26.18*	
		For Elevated Installation >40', Add	*28.79*	
		For Work In Restricted Working Space, Add	*15.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1392	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	142.61	36.19
		For Elevated Installation >10' To 15', Add	*7.24*	
		For Elevated Installation >15' To 20', Add	*14.47*	
		For Elevated Installation >20' To 25', Add	*18.09*	
		For Elevated Installation >25' To 30', Add	*25.33*	
		For Elevated Installation >30' To 35', Add	*28.95*	
		For Elevated Installation >35' To 40', Add	*36.19*	
		For Elevated Installation >40', Add	*39.80*	
		For Work In Restricted Working Space, Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.71*	
26 05 33 13-1393	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	169.21	40.81
		For Elevated Installation >10' To 15', Add	*8.16*	
		For Elevated Installation >15' To 20', Add	*16.32*	
		For Elevated Installation >20' To 25', Add	*20.40*	
		For Elevated Installation >25' To 30', Add	*28.56*	
		For Elevated Installation >30' To 35', Add	*32.64*	
		For Elevated Installation >35' To 40', Add	*40.81*	
		For Elevated Installation >40', Add	*44.89*	
		For Work In Restricted Working Space, Add	*24.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.48*	
26 05 33 13-1394	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	199.98	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-1395	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.12	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 05 33 13-1396	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.88	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1397	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.49	14.63
		For Elevated Installation >10' To 15', Add	*2.93*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.32*	
		For Elevated Installation >25' To 30', Add	*10.24*	
		For Elevated Installation >30' To 35', Add	*11.70*	
		For Elevated Installation >35' To 40', Add	*14.63*	
		For Elevated Installation >40', Add	*16.09*	
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-1398	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.20	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1399	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.17	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1400	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.89	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.24*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.71*	
		For Work In Restricted Working Space, Add	*12.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1401	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	117.86	26.18
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.47*	
		For Elevated Installation >20' To 25', Add	*13.09*	
		For Elevated Installation >25' To 30', Add	*18.32*	
		For Elevated Installation >30' To 35', Add	*20.94*	
		For Elevated Installation >35' To 40', Add	*26.18*	
		For Elevated Installation >40', Add	*28.79*	
		For Work In Restricted Working Space, Add	*15.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.71*	
26 05 33 13-1402	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	150.72	36.19
		For Elevated Installation >10' To 15', Add	*7.24*	
		For Elevated Installation >15' To 20', Add	*14.47*	
		For Elevated Installation >20' To 25', Add	*18.09*	
		For Elevated Installation >25' To 30', Add	*25.33*	
		For Elevated Installation >30' To 35', Add	*28.95*	
		For Elevated Installation >35' To 40', Add	*36.19*	
		For Elevated Installation >40', Add	*39.80*	
		For Work In Restricted Working Space, Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.71*	
26 05 33 13-1403	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	170.94	40.81
		For Elevated Installation >10' To 15', Add	*8.16*	
		For Elevated Installation >15' To 20', Add	*16.32*	
		For Elevated Installation >20' To 25', Add	*20.40*	
		For Elevated Installation >25' To 30', Add	*28.56*	
		For Elevated Installation >30' To 35', Add	*32.64*	
		For Elevated Installation >35' To 40', Add	*40.81*	
		For Elevated Installation >40', Add	*44.89*	
		For Work In Restricted Working Space, Add	*24.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.48*	
26 05 33 13-1404	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	204.60	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-1405	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	299.28	73.15
		For Elevated Installation >10' To 15', Add	*14.63*	
		For Elevated Installation >15' To 20', Add	*29.26*	
		For Elevated Installation >20' To 25', Add	*36.57*	
		For Elevated Installation >25' To 30', Add	*51.20*	
		For Elevated Installation >30' To 35', Add	*58.52*	
		For Elevated Installation >35' To 40', Add	*73.15*	
		For Elevated Installation >40', Add	*80.46*	
		For Work In Restricted Working Space, Add	*43.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.89*	
26 05 33 13-1406	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.75	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 05 33 13-1407	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.51	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.18	14.63
		For Elevated Installation >10' To 15', Add	*2.93*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.32*	
		For Elevated Installation >25' To 30', Add	*10.24*	
		For Elevated Installation >30' To 35', Add	*11.70*	
		For Elevated Installation >35' To 40', Add	*14.63*	
		For Elevated Installation >40', Add	*16.09*	
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.47	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1410	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.69	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1411	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	82.44	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.24*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.71*	
		For Work In Restricted Working Space, Add	*12.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.93*	
26 05 33 13-1412	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	128.03	26.18
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.47*	
		For Elevated Installation >20' To 25', Add	*13.09*	
		For Elevated Installation >25' To 30', Add	*18.32*	
		For Elevated Installation >30' To 35', Add	*20.94*	
		For Elevated Installation >35' To 40', Add	*26.18*	
		For Elevated Installation >40', Add	*28.79*	
		For Work In Restricted Working Space, Add	*15.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.71*	
26 05 33 13-1413	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	161.50	36.19
		For Elevated Installation >10' To 15', Add	*7.24*	
		For Elevated Installation >15' To 20', Add	*14.47*	
		For Elevated Installation >20' To 25', Add	*18.09*	
		For Elevated Installation >25' To 30', Add	*25.33*	
		For Elevated Installation >30' To 35', Add	*28.95*	
		For Elevated Installation >35' To 40', Add	*36.19*	
		For Elevated Installation >40', Add	*39.80*	
		For Work In Restricted Working Space, Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.71*	
26 05 33 13-1414	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	180.65	40.81
		For Elevated Installation >10' To 15', Add	*8.16*	
		For Elevated Installation >15' To 20', Add	*16.32*	
		For Elevated Installation >20' To 25', Add	*20.40*	
		For Elevated Installation >25' To 30', Add	*28.56*	
		For Elevated Installation >30' To 35', Add	*32.64*	
		For Elevated Installation >35' To 40', Add	*40.81*	
		For Elevated Installation >40', Add	*44.89*	
		For Work In Restricted Working Space, Add	*24.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.48*	
26 05 33 13-1415	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	220.98	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-1416	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	323.76	73.15
		For Elevated Installation >10' To 15', Add	*14.63*	
		For Elevated Installation >15' To 20', Add	*29.26*	
		For Elevated Installation >20' To 25', Add	*36.57*	
		For Elevated Installation >25' To 30', Add	*51.20*	
		For Elevated Installation >30' To 35', Add	*58.52*	
		For Elevated Installation >35' To 40', Add	*73.15*	
		For Elevated Installation >40', Add	*80.46*	
		For Work In Restricted Working Space, Add	*43.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.89*	
26 05 33 13-1417	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.75	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 05 33 13-1418	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.48	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1419	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.71	14.63
		For Elevated Installation >10' To 15', Add	*2.93*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.32*	
		For Elevated Installation >25' To 30', Add	*10.24*	
		For Elevated Installation >30' To 35', Add	*11.70*	
		For Elevated Installation >35' To 40', Add	*14.63*	
		For Elevated Installation >40', Add	*16.09*	
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-1420	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.80	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1421	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	75.79	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1422	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	90.01	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.24*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.71*	
		For Work In Restricted Working Space, Add	*12.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.93*	
26 05 33 13-1423	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	140.54	26.18
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.47*	
		For Elevated Installation >20' To 25', Add	*13.09*	
		For Elevated Installation >25' To 30', Add	*18.32*	
		For Elevated Installation >30' To 35', Add	*20.94*	
		For Elevated Installation >35' To 40', Add	*26.18*	
		For Elevated Installation >40', Add	*28.79*	
		For Work In Restricted Working Space, Add	*15.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.71*	
26 05 33 13-1424	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	176.24	36.19
		For Elevated Installation >10' To 15', Add	*7.24*	
		For Elevated Installation >15' To 20', Add	*14.47*	
		For Elevated Installation >20' To 25', Add	*18.09*	
		For Elevated Installation >25' To 30', Add	*25.33*	
		For Elevated Installation >30' To 35', Add	*28.95*	
		For Elevated Installation >35' To 40', Add	*36.19*	
		For Elevated Installation >40', Add	*39.80*	
		For Work In Restricted Working Space, Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.71*	
26 05 33 13-1425	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	204.95	40.81
		For Elevated Installation >10' To 15', Add	*8.16*	
		For Elevated Installation >15' To 20', Add	*16.32*	
		For Elevated Installation >20' To 25', Add	*20.40*	
		For Elevated Installation >25' To 30', Add	*28.56*	
		For Elevated Installation >30' To 35', Add	*32.64*	
		For Elevated Installation >35' To 40', Add	*40.81*	
		For Elevated Installation >40', Add	*44.89*	
		For Work In Restricted Working Space, Add	*24.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.48*	
26 05 33 13-1426	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	245.56	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-1427	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	340.53	73.15
		For Elevated Installation >10' To 15', Add	*14.63*	
		For Elevated Installation >15' To 20', Add	*29.26*	
		For Elevated Installation >20' To 25', Add	*36.57*	
		For Elevated Installation >25' To 30', Add	*51.20*	
		For Elevated Installation >30' To 35', Add	*58.52*	
		For Elevated Installation >35' To 40', Add	*73.15*	
		For Elevated Installation >40', Add	*80.46*	
		For Work In Restricted Working Space, Add	*43.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1428	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.79	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 05 33 13-1429	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.49	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1430	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.21	14.63
		For Elevated Installation >10' To 15', Add	*2.93*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.32*	
		For Elevated Installation >25' To 30', Add	*10.24*	
		For Elevated Installation >30' To 35', Add	*11.70*	
		For Elevated Installation >35' To 40', Add	*14.63*	
		For Elevated Installation >40', Add	*16.09*	
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-1431	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.38	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1432	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	83.17	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1433	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	101.15	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.24*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.71*	
		For Work In Restricted Working Space, Add	*12.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.93*	
26 05 33 13-1434	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	153.76	26.18
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.47*	
		For Elevated Installation >20' To 25', Add	*13.09*	
		For Elevated Installation >25' To 30', Add	*18.32*	
		For Elevated Installation >30' To 35', Add	*20.94*	
		For Elevated Installation >35' To 40', Add	*26.18*	
		For Elevated Installation >40', Add	*28.79*	
		For Work In Restricted Working Space, Add	*15.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.71*	
26 05 33 13-1435	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	195.13	36.19
		For Elevated Installation >10' To 15', Add	*7.24*	
		For Elevated Installation >15' To 20', Add	*14.47*	
		For Elevated Installation >20' To 25', Add	*18.09*	
		For Elevated Installation >25' To 30', Add	*25.33*	
		For Elevated Installation >30' To 35', Add	*28.95*	
		For Elevated Installation >35' To 40', Add	*36.19*	
		For Elevated Installation >40', Add	*39.80*	
		For Work In Restricted Working Space, Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.71*	
26 05 33 13-1436	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	230.48	40.81
		For Elevated Installation >10' To 15', Add	*8.16*	
		For Elevated Installation >15' To 20', Add	*16.32*	
		For Elevated Installation >20' To 25', Add	*20.40*	
		For Elevated Installation >25' To 30', Add	*28.56*	
		For Elevated Installation >30' To 35', Add	*32.64*	
		For Elevated Installation >35' To 40', Add	*40.81*	
		For Elevated Installation >40', Add	*44.89*	
		For Work In Restricted Working Space, Add	*24.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	288.57	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	374.01	73.15
		For Elevated Installation >10' To 15', Add	*14.63*	
		For Elevated Installation >15' To 20', Add	*29.26*	
		For Elevated Installation >20' To 25', Add	*36.57*	
		For Elevated Installation >25' To 30', Add	*51.20*	
		For Elevated Installation >30' To 35', Add	*58.52*	
		For Elevated Installation >35' To 40', Add	*73.15*	
		For Elevated Installation >40', Add	*80.46*	
		For Work In Restricted Working Space, Add	*43.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.89*	
26 05 33 13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.86	10.01
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.00*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.01*	
		For Elevated Installation >40', Add	*11.01*	
		For Work In Restricted Working Space, Add	*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 05 33 13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.69	11.55
		For Elevated Installation >10' To 15', Add	*2.31*	
		For Elevated Installation >15' To 20', Add	*4.62*	
		For Elevated Installation >20' To 25', Add	*5.77*	
		For Elevated Installation >25' To 30', Add	*8.08*	
		For Elevated Installation >30' To 35', Add	*9.24*	
		For Elevated Installation >35' To 40', Add	*11.55*	
		For Elevated Installation >40', Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.93*	
26 05 33 13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.02	14.63
		For Elevated Installation >10' To 15', Add	*2.93*	
		For Elevated Installation >15' To 20', Add	*5.85*	
		For Elevated Installation >20' To 25', Add	*7.32*	
		For Elevated Installation >25' To 30', Add	*10.24*	
		For Elevated Installation >30' To 35', Add	*11.70*	
		For Elevated Installation >35' To 40', Add	*14.63*	
		For Elevated Installation >40', Add	*16.09*	
		For Work In Restricted Working Space, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.78*	
26 05 33 13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	78.90	16.94
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.78*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.86*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-1443	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	92.09	19.25
		For Elevated Installation >10' To 15', Add	*3.85*	
		For Elevated Installation >15' To 20', Add	*7.70*	
		For Elevated Installation >20' To 25', Add	*9.63*	
		For Elevated Installation >25' To 30', Add	*13.48*	
		For Elevated Installation >30' To 35', Add	*15.40*	
		For Elevated Installation >35' To 40', Add	*19.25*	
		For Elevated Installation >40', Add	*21.18*	
		For Work In Restricted Working Space, Add	*11.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 33 13-1444	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	110.09	21.56
		For Elevated Installation >10' To 15', Add	*4.31*	
		For Elevated Installation >15' To 20', Add	*8.62*	
		For Elevated Installation >20' To 25', Add	*10.78*	
		For Elevated Installation >25' To 30', Add	*15.09*	
		For Elevated Installation >30' To 35', Add	*17.24*	
		For Elevated Installation >35' To 40', Add	*21.56*	
		For Elevated Installation >40', Add	*23.71*	
		For Work In Restricted Working Space, Add	*12.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.93*	
26 05 33 13-1445	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	171.40	26.18
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.47*	
		For Elevated Installation >20' To 25', Add	*13.09*	
		For Elevated Installation >25' To 30', Add	*18.32*	
		For Elevated Installation >30' To 35', Add	*20.94*	
		For Elevated Installation >35' To 40', Add	*26.18*	
		For Elevated Installation >40', Add	*28.79*	
		For Work In Restricted Working Space, Add	*15.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1446	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	223.45	36.19
		For Elevated Installation >10' To 15', Add	*7.24*	
		For Elevated Installation >15' To 20', Add	*14.47*	
		For Elevated Installation >20' To 25', Add	*18.09*	
		For Elevated Installation >25' To 30', Add	*25.33*	
		For Elevated Installation >30' To 35', Add	*28.95*	
		For Elevated Installation >35' To 40', Add	*36.19*	
		For Elevated Installation >40', Add	*39.80*	
		For Work In Restricted Working Space, Add	*21.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.71*	
26 05 33 13-1447	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	246.14	40.81
		For Elevated Installation >10' To 15', Add	*8.16*	
		For Elevated Installation >15' To 20', Add	*16.32*	
		For Elevated Installation >20' To 25', Add	*20.40*	
		For Elevated Installation >25' To 30', Add	*28.56*	
		For Elevated Installation >30' To 35', Add	*32.64*	
		For Elevated Installation >35' To 40', Add	*40.81*	
		For Elevated Installation >40', Add	*44.89*	
		For Work In Restricted Working Space, Add	*24.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.48*	
26 05 33 13-1448	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	301.77	53.13
		For Elevated Installation >10' To 15', Add	*10.63*	
		For Elevated Installation >15' To 20', Add	*21.25*	
		For Elevated Installation >20' To 25', Add	*26.56*	
		For Elevated Installation >25' To 30', Add	*37.19*	
		For Elevated Installation >30' To 35', Add	*42.50*	
		For Elevated Installation >35' To 40', Add	*53.13*	
		For Elevated Installation >40', Add	*58.44*	
		For Work In Restricted Working Space, Add	*31.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.88*	
26 05 33 13-1449	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	378.79	73.15
		For Elevated Installation >10' To 15', Add	*14.63*	
		For Elevated Installation >15' To 20', Add	*29.26*	
		For Elevated Installation >20' To 25', Add	*36.57*	
		For Elevated Installation >25' To 30', Add	*51.20*	
		For Elevated Installation >30' To 35', Add	*58.52*	
		For Elevated Installation >35' To 40', Add	*73.15*	
		For Elevated Installation >40', Add	*80.46*	
		For Work In Restricted Working Space, Add	*43.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.89*	

26 05 33 13-1450 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-1450)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1452	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.00	2.37
		For Work In Restricted Working Space, Add	*1.78*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.89*	
26 05 33 13-1453	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.96	2.61
		For Work In Restricted Working Space, Add	*1.96*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.98*	
26 05 33 13-1454	LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	9.16	2.85
		For Work In Restricted Working Space, Add	*2.13*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.07*	
26 05 33 13-1455	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.38	3.08
		For Work In Restricted Working Space, Add	*2.31*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.16*	
26 05 33 13-1456	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	11.62	3.32
		For Work In Restricted Working Space, Add	*2.49*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.24*	
26 05 33 13-1457	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	13.92	3.79
		For Work In Restricted Working Space, Add	*2.84*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.42*	
26 05 33 13-1458	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	18.88	4.74
		For Work In Restricted Working Space, Add	*3.56*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.78*	
26 05 33 13-1459	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	23.45	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.13*	
26 05 33 13-1460	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	28.86	7.11
		For Work In Restricted Working Space, Add	*5.33*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.67*	
26 05 33 13-1461	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	35.64	9.00
		For Work In Restricted Working Space, Add	*6.75*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.38*	
26 05 33 13-1462	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	47.23	11.38
		For Work In Restricted Working Space, Add	*8.53*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.26*	
26 05 33 13-1463	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	60.28	14.21
		For Work In Restricted Working Space, Add	*10.66*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*5.33*	

26 05 33 13-1464 Aluminum 90 Degree Elbows *(26 05 33 13-1450)*

26 05 33 13-1465	EA	1" Aluminum 90 Degree Elbow	42.25	12.32
		For Work In Restricted Working Space, Add	*9.24*	
26 05 33 13-1466	EA	1-1/4" Aluminum 90 Degree Elbow	53.14	13.98
		For Work In Restricted Working Space, Add	*10.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1467	EA	1-1/2" Aluminum 90 Degree Elbow	64.49	16.11
		For Work In Restricted Working Space, Add	*12.08*	
26 05 33 13-1468	EA	2" Aluminum 90 Degree Elbow	81.84	18.48
		For Work In Restricted Working Space, Add	*13.86*	
26 05 33 13-1469	EA	2-1/2" Aluminum 90 Degree Elbow	116.34	22.50
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-1470	EA	3" Aluminum 90 Degree Elbow	165.64	29.14
		For Work In Restricted Working Space, Add	*21.86*	
26 05 33 13-1471	EA	3-1/2" Aluminum 90 Degree Elbow	226.45	32.70
		For Work In Restricted Working Space, Add	*24.52*	
26 05 33 13-1472	EA	4" Aluminum 90 Degree Elbow	274.06	40.99
		For Work In Restricted Working Space, Add	*30.74*	
26 05 33 13-1473	EA	5" Aluminum 90 Degree Elbow	674.39	66.81
		For Work In Restricted Working Space, Add	*50.11*	
26 05 33 13-1474	EA	6" Aluminum 90 Degree Elbow	953.11	100.46
		For Work In Restricted Working Space, Add	*75.34*	

26 05 33 13-1475 Aluminum Bushing Set With Locknut *(26 05 33 13-1450)*

26 05 33 13-1476	EA	1/2" Aluminum Bushing Set With Locknut	12.72	4.74
		For Work In Restricted Working Space, Add	*3.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.56*	
26 05 33 13-1477	EA	3/4" Aluminum Bushing Set With Locknut	18.91	6.16
		For Work In Restricted Working Space, Add	*4.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-1478	EA	1" Aluminum Bushing Set With Locknut	19.51	7.58
		For Work In Restricted Working Space, Add	*5.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-1479	EA	1-1/4" Aluminum Bushing Set With Locknut	21.95	8.53
		For Work In Restricted Working Space, Add	*6.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-1480	EA	1-1/2" Aluminum Bushing Set With Locknut	26.87	10.42
		For Work In Restricted Working Space, Add	*7.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-1481	EA	2" Aluminum Bushing Set With Locknut	32.72	12.56
		For Work In Restricted Working Space, Add	*9.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	
26 05 33 13-1482	EA	2-1/2" Aluminum Bushing Set With Locknut	40.04	14.93
		For Work In Restricted Working Space, Add	*11.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.20*	
26 05 33 13-1483	EA	3" Aluminum Bushing Set With Locknut	46.66	17.06
		For Work In Restricted Working Space, Add	*12.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.79*	
26 05 33 13-1484	EA	3-1/2" Aluminum Bushing Set With Locknut	50.48	18.48
		For Work In Restricted Working Space, Add	*13.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.86*	
26 05 33 13-1485	EA	4" Aluminum Bushing Set With Locknut	54.90	19.90
		For Work In Restricted Working Space, Add	*14.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.93*	
26 05 33 13-1486	EA	5" Aluminum Bushing Set With Locknut	72.77	26.53
		For Work In Restricted Working Space, Add	*19.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.90*	
26 05 33 13-1487	EA	6" Aluminum Bushing Set With Locknut	108.33	39.80
		For Work In Restricted Working Space, Add	*29.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.85*	

26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-1488)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-1490	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.56	1.80
		For Schedule 60, Add	*0.49*	
		For Schedule 80, Add	*0.82*	
26 05 33 13-1491	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	6.35	1.98
		For Schedule 60, Add	*0.60*	
		For Schedule 80, Add	*0.99*	
26 05 33 13-1492	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	7.87	2.30
		For Schedule 60, Add	*0.81*	
		For Schedule 80, Add	*1.31*	
26 05 33 13-1493	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	9.38	2.63
		For Schedule 60, Add	*1.03*	
		For Schedule 80, Add	*1.64*	
26 05 33 13-1494	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	11.04	3.07
		For Schedule 60, Add	*1.22*	
		For Schedule 80, Add	*1.94*	
26 05 33 13-1495	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	13.20	3.52
		For Schedule 60, Add	*1.54*	
		For Schedule 80, Add	*2.42*	
26 05 33 13-1496	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	17.48	4.18
		For Schedule 60, Add	*2.28*	
		For Schedule 80, Add	*3.51*	
26 05 33 13-1497	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	20.48	4.84
		For Schedule 60, Add	*2.70*	
		For Schedule 80, Add	*4.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1498	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	25.00	5.72
		For Schedule 60, Add	*3.39*	
		For Schedule 80, Add	*5.18*	
26 05 33 13-1499	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	29.37	7.03
		For Schedule 60, Add	*3.82*	
		For Schedule 80, Add	*5.88*	
26 05 33 13-1500	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	41.90	9.90
		For Schedule 60, Add	*5.53*	
		For Schedule 80, Add	*8.48*	
26 05 33 13-1501	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	55.65	13.19
		For Schedule 60, Add	*7.32*	
		For Schedule 80, Add	*11.24*	

26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-1488)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1503	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	23.53	8.79
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.48*	
		For Schedule 80, Add	*2.74*	
26 05 33 13-1504	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	26.02	9.68
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.67*	
		For Schedule 80, Add	*3.06*	
26 05 33 13-1505	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	30.35	10.99
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*2.09*	
		For Schedule 80, Add	*3.76*	
26 05 33 13-1506	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	39.33	14.07
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*2.80*	
		For Schedule 80, Add	*4.97*	
26 05 33 13-1507	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	49.60	17.59
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*3.61*	
		For Schedule 80, Add	*6.37*	
26 05 33 13-1508	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	62.74	21.99
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*4.70*	
		For Schedule 80, Add	*8.22*	
26 05 33 13-1509	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	79.75	26.37
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*6.75*	
		For Schedule 80, Add	*11.43*	
26 05 33 13-1510	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	99.50	30.77
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*9.49*	
		For Schedule 80, Add	*15.59*	
26 05 33 13-1511	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	124.79	37.37
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*12.51*	
		For Schedule 80, Add	*20.32*	
26 05 33 13-1512	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	150.27	43.96
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*15.59*	
		For Schedule 80, Add	*25.12*	
26 05 33 13-1513	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	208.50	54.95
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*24.65*	
		For Schedule 80, Add	*38.63*	
26 05 33 13-1514	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	255.53	65.95
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*30.91*	
		For Schedule 80, Add	*48.22*	

26 05 33 13-1515 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows *(26 05 33 13-1488)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1516	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	23.53	8.79
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.48*	
		For Schedule 80, Add	*2.74*	
26 05 33 13-1517	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	25.91	9.68
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.64*	
		For Schedule 80, Add	*3.02*	
26 05 33 13-1518	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	30.20	10.99
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*2.06*	
		For Schedule 80, Add	*3.70*	
26 05 33 13-1519	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	38.88	14.07
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*2.69*	
		For Schedule 80, Add	*4.82*	
26 05 33 13-1520	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	48.60	17.59
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*3.36*	
		For Schedule 80, Add	*6.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1521	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	62.21	21.99
		For Schedule 60, Add	*4.56*	
		For Schedule 80, Add	*8.04*	
26 05 33 13-1522	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	78.74	26.37
		For Schedule 60, Add	*6.50*	
		For Schedule 80, Add	*11.07*	
26 05 33 13-1523	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	98.23	30.77
		For Schedule 60, Add	*9.17*	
		For Schedule 80, Add	*15.15*	
26 05 33 13-1524	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	121.22	37.37
		For Schedule 60, Add	*11.62*	
		For Schedule 80, Add	*19.07*	
26 05 33 13-1525	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	147.21	43.96
		For Schedule 60, Add	*14.82*	
		For Schedule 80, Add	*24.05*	
26 05 33 13-1526	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	204.53	54.95
		For Schedule 60, Add	*23.66*	
		For Schedule 80, Add	*37.24*	
26 05 33 13-1527	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	243.69	65.95
		For Schedule 60, Add	*27.95*	
		For Schedule 80, Add	*44.08*	

26 05 33 13-1528 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow *(26 05 33 13-1488)*

26 05 33 13-1529	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	87.10	29.26
		For Schedule 80, Add	*15.86*	
26 05 33 13-1530	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	101.95	33.88
		For Schedule 80, Add	*18.74*	
26 05 33 13-1531	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	115.46	38.50
		For Schedule 80, Add	*21.16*	
26 05 33 13-1532	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	136.23	42.35
		For Schedule 80, Add	*26.51*	
26 05 33 13-1533	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	178.40	53.13
		For Schedule 80, Add	*35.88*	
26 05 33 13-1534	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	233.89	72.38
		For Schedule 80, Add	*45.67*	
26 05 33 13-1535	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	280.08	81.62
		For Schedule 80, Add	*57.22*	
26 05 33 13-1536	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	337.82	106.26
		For Schedule 80, Add	*65.11*	

26 05 33 13-1537 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow *(26 05 33 13-1488)*

26 05 33 13-1538	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	92.35	29.26
		For Schedule 80, Add	*17.69*	
26 05 33 13-1539	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	114.58	33.88
		For Schedule 80, Add	*23.16*	
26 05 33 13-1540	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	133.54	38.50
		For Schedule 80, Add	*27.49*	
26 05 33 13-1541	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	145.18	42.35
		For Schedule 80, Add	*29.64*	
26 05 33 13-1542	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	205.98	53.13
		For Schedule 80, Add	*45.53*	
26 05 33 13-1543	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	274.00	72.38
		For Schedule 80, Add	*59.71*	
26 05 33 13-1544	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	304.77	81.62
		For Schedule 80, Add	*65.86*	
26 05 33 13-1545	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	367.71	106.26
		For Schedule 80, Add	*75.57*	

26 05 33 13-1546 Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow *(26 05 33 13-1488)*

26 05 33 13-1547	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	106.50	29.26
		For Schedule 80, Add	*22.65*	
26 05 33 13-1548	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	120.51	33.88
		For Schedule 80, Add	*25.24*	
26 05 33 13-1549	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	137.02	38.50
		For Schedule 80, Add	*28.71*	
26 05 33 13-1550	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	162.06	42.35
		For Schedule 80, Add	*35.55*	
26 05 33 13-1551	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	216.25	53.13
		For Schedule 80, Add	*49.12*	
26 05 33 13-1552	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	282.62	72.38
		For Schedule 80, Add	*62.73*	
26 05 33 13-1553	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	337.64	81.62
		For Schedule 80, Add	*77.36*	
26 05 33 13-1554	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	397.23	106.26
		For Schedule 80, Add	*85.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-1555 Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow *(26 05 33 13-1488)*

26 05 33 13-1556	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	109.39	29.26
		For Schedule 80, Add	*23.66*	
26 05 33 13-1557	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	138.05	33.88
		For Schedule 80, Add	*31.38*	
26 05 33 13-1558	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	150.94	38.50
		For Schedule 80, Add	*33.58*	
26 05 33 13-1559	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	162.68	42.35
		For Schedule 80, Add	*35.76*	
26 05 33 13-1560	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	238.88	53.13
		For Schedule 80, Add	*57.04*	
26 05 33 13-1561	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	333.33	72.38
		For Schedule 80, Add	*80.48*	
26 05 33 13-1562	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	383.82	81.62
		For Schedule 80, Add	*93.53*	
26 05 33 13-1563	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	451.92	106.26
		For Schedule 80, Add	*105.04*	
26 05 33 13-1564	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	724.14	172.95
		For Schedule 80, Add	*166.82*	
26 05 33 13-1565	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,062.21	260.61
		For Schedule 80, Add	*241.64*	

26 05 33 13-1566 Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow *(26 05 33 13-1488)*

26 05 33 13-1567	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	120.48	29.26
		For Schedule 80, Add	*27.54*	
26 05 33 13-1568	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	141.02	33.88
		For Schedule 80, Add	*32.42*	
26 05 33 13-1569	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	159.87	38.50
		For Schedule 80, Add	*36.70*	
26 05 33 13-1570	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	193.52	42.35
		For Schedule 80, Add	*46.56*	
26 05 33 13-1571	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	260.97	53.13
		For Schedule 80, Add	*64.77*	
26 05 33 13-1572	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	369.61	72.38
		For Schedule 80, Add	*93.17*	
26 05 33 13-1573	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	418.51	81.62
		For Schedule 80, Add	*105.67*	
26 05 33 13-1574	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	512.12	106.26
		For Schedule 80, Add	*126.11*	
26 05 33 13-1575	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	759.36	172.95
		For Schedule 80, Add	*179.15*	
26 05 33 13-1576	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,090.72	260.61
		For Schedule 80, Add	*251.62*	

26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters *(26 05 33 13-1488)*

26 05 33 13-1578	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	16.10	6.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-1579	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	18.55	7.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 05 33 13-1580	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	21.10	7.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 05 33 13-1581	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	23.81	8.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.60*	
26 05 33 13-1582	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	29.45	10.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-1583	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	35.79	13.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-1584	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	49.16	17.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 05 33 13-1585	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	62.04	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.49*	
26 05 33 13-1586	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	80.44	28.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.43*	
26 05 33 13-1587	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	97.32	35.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.38*	
26 05 33 13-1588	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	128.88	43.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.97*	
26 05 33 13-1589	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	160.28	54.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.21*	

26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1488)*

26 05 33 13-1591	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	18.97	5.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-1592	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	21.58	6.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-1593	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	24.22	7.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 05 33 13-1594	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	28.89	7.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 05 33 13-1595	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	32.22	8.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.60*	
26 05 33 13-1596	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	38.72	10.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1597	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	43.31	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 05 33 13-1598	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	48.99	13.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-1599	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	58.07	15.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.54*	
26 05 33 13-1600	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	63.98	17.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 05 33 13-1601	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	81.16	19.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-1602	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	91.31	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.49*	

26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1488)*

26 05 33 13-1604	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	17.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.07*	
26 05 33 13-1605	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	21.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.08*	
26 05 33 13-1606	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	23.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-1607	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	26.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-1608	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	29.20	10.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-1609	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	35.45	13.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-1610	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	48.48	17.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 05 33 13-1611	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	61.09	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.49*	
26 05 33 13-1612	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	79.23	28.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.43*	
26 05 33 13-1613	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	96.08	35.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.38*	
26 05 33 13-1614	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	126.44	43.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.97*	
26 05 33 13-1615	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	157.34	54.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.21*	

26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1617	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	50.57	17.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 05 33 13-1618	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	58.81	19.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-1619	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	65.30	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.49*	
26 05 33 13-1620	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	80.73	26.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-1621	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	99.73	32.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-1622	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	129.59	39.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-1623	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	225.00	43.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.97*	
26 05 33 13-1624	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	239.99	48.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.27*	
26 05 33 13-1625	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	260.46	54.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.21*	
26 05 33 13-1626	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	290.48	63.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.81*	

26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1628	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	68.02	23.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	
26 05 33 13-1629	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	76.18	26.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-1630	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	82.35	28.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	
26 05 33 13-1631	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	103.28	33.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.88*	
26 05 33 13-1632	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	124.72	40.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.21*	
26 05 33 13-1633	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	153.59	47.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.54*	

26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1488)*

26 05 33 13-1635	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	111.42	21.99
26 05 33 13-1636	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	123.85	26.37
26 05 33 13-1637	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	137.11	30.77
26 05 33 13-1638	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	149.53	35.17
26 05 33 13-1639	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	161.61	39.56

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1640		EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	176.39	43.96
26 05 33 13-1641		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	216.29	50.56
26 05 33 13-1642		EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	259.54	57.15
26 05 33 13-1643		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	303.91	65.95
26 05 33 13-1644		EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	361.73	76.94
26 05 33 13-1645		EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	479.52	92.32
26 05 33 13-1646		EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	630.88	118.70

26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1488)*

26 05 33 13-1648		EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	13.95	4.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.30*	
26 05 33 13-1649		EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	16.49	5.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.96*	
26 05 33 13-1650		EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	18.96	6.15
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-1651		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	22.72	7.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 05 33 13-1652		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	26.53	7.91
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 05 33 13-1653		EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	31.42	8.79
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.60*	
26 05 33 13-1654		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	45.27	10.12
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 05 33 13-1655		EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	49.52	11.43
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 05 33 13-1656		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	63.61	12.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-1657		EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	77.27	13.63
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 05 33 13-1658		EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	89.86	15.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.54*	
26 05 33 13-1659		EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	114.02	17.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	

26 05 33 13-1660 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-1488)*

26 05 33 13-1661		EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	137.78	39.56
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-1662		EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	144.42	26.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-1663		EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	350.46	43.96
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.97*	
26 05 33 13-1664		EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	682.79	63.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.81*	

26 05 33 13-1665 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0059)*

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-1666 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1665)*

Note: Includes field bending conduit up to and including 1".

26 05 33 13-1667		LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.51	1.80
26 05 33 13-1668		LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.45	1.98
26 05 33 13-1669		LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.54	2.28
26 05 33 13-1670		LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.62	2.63
26 05 33 13-1671		LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.12	3.07
26 05 33 13-1672		LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.37	3.52
26 05 33 13-1673		LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.12	4.18
26 05 33 13-1674		LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	20.11	4.84
26 05 33 13-1675		LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.30	5.72
26 05 33 13-1676		LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	27.62	7.03
26 05 33 13-1677		LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	37.25	9.90
26 05 33 13-1678		LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	48.63	13.19

26 05 33 13-1679 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1680		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	95.99	8.79
			For 24" Radius, Add	*6.65*	
			For 36" Radius, Add	*9.60*	
			For 48" Radius, Add	*12.55*	
26 05 33 13-1681		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	107.03	9.68
			For 24" Radius, Add	*7.42*	
			For 36" Radius, Add	*10.70*	
			For 48" Radius, Add	*13.98*	
26 05 33 13-1682		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	111.16	10.99
			For 24" Radius, Add	*7.65*	
			For 36" Radius, Add	*11.12*	
			For 48" Radius, Add	*14.58*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1683		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	119.67	14.07
			For 24" Radius, Add	*8.10*	
			For 36" Radius, Add	*11.97*	
			For 48" Radius, Add	*15.84*	
26 05 33 13-1684		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	129.30	17.59
			For 24" Radius, Add	*8.60*	
			For 36" Radius, Add	*12.93*	
			For 48" Radius, Add	*17.26*	
26 05 33 13-1685		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	152.06	21.99
			For 24" Radius, Add	*10.03*	
			For 36" Radius, Add	*15.21*	
			For 48" Radius, Add	*20.38*	
26 05 33 13-1686		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	182.18	26.37
			For 24" Radius, Add	*12.01*	
			For 36" Radius, Add	*18.22*	
			For 48" Radius, Add	*24.42*	
26 05 33 13-1687		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	216.42	30.77
			For 24" Radius, Add	*14.31*	
			For 36" Radius, Add	*21.64*	
			For 48" Radius, Add	*28.98*	
26 05 33 13-1688		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	250.34	37.37
			For 24" Radius, Add	*16.44*	
			For 36" Radius, Add	*25.03*	
			For 48" Radius, Add	*33.63*	
26 05 33 13-1689		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	284.26	43.96
			For 24" Radius, Add	*18.57*	
			For 36" Radius, Add	*28.43*	
			For 48" Radius, Add	*38.28*	
26 05 33 13-1690		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	355.32	54.95
			For 24" Radius, Add	*23.21*	
			For 36" Radius, Add	*35.53*	
			For 48" Radius, Add	*47.85*	
26 05 33 13-1691		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	437.28	65.95
			For 24" Radius, Add	*28.67*	
			For 36" Radius, Add	*43.73*	
			For 48" Radius, Add	*58.78*	

26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1693		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	82.67	8.79
			For 24" Radius, Add	*5.65*	
			For 36" Radius, Add	*8.27*	
			For 48" Radius, Add	*10.88*	
26 05 33 13-1694		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	92.11	9.68
			For 24" Radius, Add	*6.30*	
			For 36" Radius, Add	*9.21*	
			For 48" Radius, Add	*12.12*	
26 05 33 13-1695		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	96.09	10.99
			For 24" Radius, Add	*6.52*	
			For 36" Radius, Add	*9.61*	
			For 48" Radius, Add	*12.70*	
26 05 33 13-1696		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	104.46	14.07
			For 24" Radius, Add	*6.96*	
			For 36" Radius, Add	*10.45*	
			For 48" Radius, Add	*13.94*	
26 05 33 13-1697		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	113.94	17.59
			For 24" Radius, Add	*7.45*	
			For 36" Radius, Add	*11.39*	
			For 48" Radius, Add	*15.34*	
26 05 33 13-1698		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	134.58	21.99
			For 24" Radius, Add	*8.72*	
			For 36" Radius, Add	*13.46*	
			For 48" Radius, Add	*18.20*	
26 05 33 13-1699		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	161.26	26.37
			For 24" Radius, Add	*10.45*	
			For 36" Radius, Add	*16.13*	
			For 48" Radius, Add	*21.81*	
26 05 33 13-1700		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	191.31	30.77
			For 24" Radius, Add	*12.42*	
			For 36" Radius, Add	*19.13*	
			For 48" Radius, Add	*25.84*	
26 05 33 13-1701		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	222.09	37.37
			For 24" Radius, Add	*14.32*	
			For 36" Radius, Add	*22.21*	
			For 48" Radius, Add	*30.10*	
26 05 33 13-1702		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	252.88	43.96
			For 24" Radius, Add	*16.22*	
			For 36" Radius, Add	*25.29*	
			For 48" Radius, Add	*34.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1703	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	316.09	54.95
		For 24" Radius, Add	*20.27*	
		For 36" Radius, Add	*31.61*	
		For 48" Radius, Add	*42.95*	
26 05 33 13-1704	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	388.25	65.95
		For 24" Radius, Add	*25.00*	
		For 36" Radius, Add	*38.83*	
		For 48" Radius, Add	*52.65*	

26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1706	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	76.76	7.91
		For 24" Radius, Add	*5.26*	
		For 36" Radius, Add	*7.68*	
		For 48" Radius, Add	*10.09*	
26 05 33 13-1707	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	85.56	8.70
		For 24" Radius, Add	*5.87*	
		For 36" Radius, Add	*8.56*	
		For 48" Radius, Add	*11.24*	
26 05 33 13-1708	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	89.17	9.90
		For 24" Radius, Add	*6.07*	
		For 36" Radius, Add	*8.92*	
		For 48" Radius, Add	*11.76*	
26 05 33 13-1709	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	96.72	12.66
		For 24" Radius, Add	*6.46*	
		For 36" Radius, Add	*9.67*	
		For 48" Radius, Add	*12.88*	
26 05 33 13-1710	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	105.27	15.83
		For 24" Radius, Add	*6.91*	
		For 36" Radius, Add	*10.53*	
		For 48" Radius, Add	*14.15*	
26 05 33 13-1711	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	124.24	19.78
		For 24" Radius, Add	*8.08*	
		For 36" Radius, Add	*12.42*	
		For 48" Radius, Add	*16.77*	
26 05 33 13-1712	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	148.85	23.74
		For 24" Radius, Add	*9.68*	
		For 36" Radius, Add	*14.89*	
		For 48" Radius, Add	*20.09*	
26 05 33 13-1713	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	176.64	27.70
		For 24" Radius, Add	*11.52*	
		For 36" Radius, Add	*17.66*	
		For 48" Radius, Add	*23.81*	
26 05 33 13-1714	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	204.91	33.63
		For 24" Radius, Add	*13.27*	
		For 36" Radius, Add	*20.49*	
		For 48" Radius, Add	*27.72*	
26 05 33 13-1715	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	233.17	39.56
		For 24" Radius, Add	*15.01*	
		For 36" Radius, Add	*23.32*	
		For 48" Radius, Add	*31.62*	
26 05 33 13-1716	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	291.45	49.46
		For 24" Radius, Add	*18.77*	
		For 36" Radius, Add	*29.15*	
		For 48" Radius, Add	*39.52*	
26 05 33 13-1717	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	358.14	59.35
		For 24" Radius, Add	*23.15*	
		For 36" Radius, Add	*35.81*	
		For 48" Radius, Add	*48.48*	

26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	73.06	7.91
		For 24" Radius, Add	*4.99*	
		For 36" Radius, Add	*7.31*	
		For 48" Radius, Add	*9.63*	
26 05 33 13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	81.42	8.70
		For 24" Radius, Add	*5.56*	
		For 36" Radius, Add	*8.14*	
		For 48" Radius, Add	*10.72*	
26 05 33 13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	84.99	9.90
		For 24" Radius, Add	*5.76*	
		For 36" Radius, Add	*8.50*	
		For 48" Radius, Add	*11.24*	
26 05 33 13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	92.49	12.66
		For 24" Radius, Add	*6.15*	
		For 36" Radius, Add	*9.25*	
		For 48" Radius, Add	*12.35*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1723		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	101.01	15.83
			For 24" Radius, Add	*6.59*	
			For 36" Radius, Add	*10.10*	
			For 48" Radius, Add	*13.62*	
26 05 33 13-1724		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	119.38	19.78
			For 24" Radius, Add	*7.72*	
			For 36" Radius, Add	*11.94*	
			For 48" Radius, Add	*16.16*	
26 05 33 13-1725		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	143.04	23.74
			For 24" Radius, Add	*9.24*	
			For 36" Radius, Add	*14.30*	
			For 48" Radius, Add	*19.36*	
26 05 33 13-1726		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	169.67	27.70
			For 24" Radius, Add	*10.99*	
			For 36" Radius, Add	*16.97*	
			For 48" Radius, Add	*22.94*	
26 05 33 13-1727		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	197.06	33.63
			For 24" Radius, Add	*12.68*	
			For 36" Radius, Add	*19.71*	
			For 48" Radius, Add	*26.73*	
26 05 33 13-1728		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	224.45	39.56
			For 24" Radius, Add	*14.36*	
			For 36" Radius, Add	*22.45*	
			For 48" Radius, Add	*30.53*	
26 05 33 13-1729		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	280.56	49.46
			For 24" Radius, Add	*17.95*	
			For 36" Radius, Add	*28.06*	
			For 48" Radius, Add	*38.16*	
26 05 33 13-1730		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	344.51	59.35
			For 24" Radius, Add	*22.13*	
			For 36" Radius, Add	*34.45*	
			For 48" Radius, Add	*46.77*	

26 05 33 13-1731 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1732		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	46.03	6.15
26 05 33 13-1733		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	51.73	7.03
26 05 33 13-1734		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	54.27	7.91
26 05 33 13-1735		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	56.77	8.79
26 05 33 13-1736		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	62.95	10.99
26 05 33 13-1737		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	75.22	13.19
26 05 33 13-1738		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	94.81	17.59
26 05 33 13-1739		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	115.97	21.99
26 05 33 13-1740		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	140.09	28.58
26 05 33 13-1741		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	164.20	35.17
26 05 33 13-1742		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	205.25	43.96
26 05 33 13-1743		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	256.52	54.95

26 05 33 13-1744 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1745		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	32.68	6.15
26 05 33 13-1746		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	36.80	7.03
26 05 33 13-1747		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	39.19	7.91
26 05 33 13-1748		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	41.61	8.79
26 05 33 13-1749		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	47.29	10.99
26 05 33 13-1750		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	52.91	13.19
26 05 33 13-1751		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	67.88	17.59
26 05 33 13-1752		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	83.66	21.99
26 05 33 13-1753		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	103.74	28.58
26 05 33 13-1754		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	123.81	35.17
26 05 33 13-1755		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	154.81	43.96
26 05 33 13-1756		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	193.46	54.95

26 05 33 13-1757 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1665)*

26 05 33 13-1758		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	36.88	5.06
26 05 33 13-1759		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	41.48	7.03
26 05 33 13-1760		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	43.93	7.91
26 05 33 13-1761		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	46.28	8.79
26 05 33 13-1762		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	52.32	10.99
26 05 33 13-1763		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	62.55	13.19
26 05 33 13-1764		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	79.44	17.59
26 05 33 13-1765		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	97.52	21.99
26 05 33 13-1766		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	119.33	28.58
26 05 33 13-1767		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	141.12	35.17
26 05 33 13-1768		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	176.40	43.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1769	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	220.52	54.95

26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1771	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	78.63	21.99
26 05 33 13-1772	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	92.22	26.37
26 05 33 13-1773	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	103.50	30.77
26 05 33 13-1774	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	114.65	35.17
26 05 33 13-1775	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	126.26	39.56
26 05 33 13-1776	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	142.45	43.96
26 05 33 13-1777	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	165.46	50.56
26 05 33 13-1778	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	189.75	57.15
26 05 33 13-1779	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	217.59	65.95
26 05 33 13-1780	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	250.91	76.94
26 05 33 13-1781	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	293.05	87.92
26 05 33 13-1782	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	338.83	98.92

26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1784	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	88.25	21.99
26 05 33 13-1785	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	103.00	26.37
26 05 33 13-1786	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	114.34	30.77
26 05 33 13-1787	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	125.61	35.17
26 05 33 13-1788	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	137.31	39.56
26 05 33 13-1789	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	155.07	43.96
26 05 33 13-1790	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	180.59	50.56
26 05 33 13-1791	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	207.91	57.15
26 05 33 13-1792	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	238.03	65.95
26 05 33 13-1793	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	273.64	76.94
26 05 33 13-1794	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	321.53	87.92
26 05 33 13-1795	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	374.42	98.92

26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-1665)*

26 05 33 13-1797	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	94.57	6.15
26 05 33 13-1798	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	105.55	7.03
26 05 33 13-1799	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	110.44	7.91
26 05 33 13-1800	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	115.47	8.79
26 05 33 13-1801	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	122.40	10.99
26 05 33 13-1802	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	136.94	13.19
26 05 33 13-1803	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	168.74	17.59
26 05 33 13-1804	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	204.60	21.99
26 05 33 13-1805	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	239.80	28.58
26 05 33 13-1806	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	275.00	35.17
26 05 33 13-1807	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	343.83	43.96
26 05 33 13-1808	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	427.96	54.95

26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-1665)*

26 05 33 13-1810	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	104.97	21.99
26 05 33 13-1811	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	121.54	26.37
26 05 33 13-1812	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	145.61	30.77
26 05 33 13-1813	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	180.51	35.17
26 05 33 13-1814	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	225.84	39.56
26 05 33 13-1815	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	298.01	43.96
26 05 33 13-1816	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	422.39	50.56
26 05 33 13-1817	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	509.91	57.15
26 05 33 13-1818	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	616.25	65.95
26 05 33 13-1819	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	728.08	76.94
26 05 33 13-1820	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	856.20	87.92
26 05 33 13-1821	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,327.66	98.92

26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover *(26 05 33 13-1665)*

26 05 33 13-1823	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	88.24	17.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 05 33 13-1824	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	102.26	19.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-1825	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	135.46	21.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.49*	
26 05 33 13-1826	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	165.40	26.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-1827	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	210.30	32.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1828	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	288.35	39.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-1829	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	470.59	46.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.62*	
26 05 33 13-1830	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	605.48	52.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.57*	
26 05 33 13-1831	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	728.09	61.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.16*	
26 05 33 13-1832	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	850.72	70.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.76*	
26 05 33 13-1833	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,002.93	79.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.35*	
26 05 33 13-1834	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,137.40	87.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.95*	

26 05 33 13-1835 Explosion Proof Conduit Fittings *(26 05 33 13-0059)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1835)*

26 05 33 13-1837	EA	1/2" Explosion Proof Malleable Iron Conduit Union	41.93	9.87
26 05 33 13-1838	EA	3/4" Explosion Proof Malleable Iron Conduit Union	51.03	10.91
26 05 33 13-1839	EA	1" Explosion Proof Malleable Iron Conduit Union	79.49	14.54
26 05 33 13-1840	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	103.55	16.10
26 05 33 13-1841	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	130.03	19.74
26 05 33 13-1842	EA	2" Explosion Proof Malleable Iron Conduit Union	161.05	22.85
26 05 33 13-1843	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	243.99	32.68
26 05 33 13-1844	EA	3" Explosion Proof Malleable Iron Conduit Union	308.70	38.90
26 05 33 13-1845	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	508.45	46.68
26 05 33 13-1846	EA	4" Explosion Proof Malleable Iron Conduit Union	544.69	59.64

26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1835)*

26 05 33 13-1848	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	146.50	31.16
26 05 33 13-1849	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	165.24	35.32
26 05 33 13-1850	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	192.24	38.96
26 05 33 13-1851	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	167.28	38.96
26 05 33 13-1852	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	199.48	46.75
26 05 33 13-1853	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	235.11	53.50

26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1835)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1855	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	121.26	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 05 33 13-1856	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	125.25	29.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.82*	
26 05 33 13-1857	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	136.68	31.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.76*	
26 05 33 13-1858	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	174.76	38.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.22*	
26 05 33 13-1859	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	221.02	45.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.28*	
26 05 33 13-1860	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	280.54	51.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.96*	
26 05 33 13-1861	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	401.41	77.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.34*	
26 05 33 13-1862	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	506.93	97.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.13*	
26 05 33 13-1863	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	700.30	107.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.52*	
26 05 33 13-1864	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	892.38	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.52*	

26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1835)*

26 05 33 13-1866	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	295.38	11.94
26 05 33 13-1867	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	385.37	13.51

26 05 33 13-1868 Conduit Installed Below Grade *(26 05 33 13-0058)*

Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.

26 05 33 13-1869 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1868)*

26 05 33 13-1870 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial *(26 05 33 13-1869)*

Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1871		LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.63	
			For Schedule 60, Add	*0.44*	
			For Schedule 80, Add	*0.73*	
26 05 33 13-1872		LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.25	
			For Schedule 60, Add	*0.54*	
			For Schedule 80, Add	*0.88*	
26 05 33 13-1873		LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.22	
			For Schedule 60, Add	*0.73*	
			For Schedule 80, Add	*1.15*	
26 05 33 13-1874		LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.19	
			For Schedule 60, Add	*0.92*	
			For Schedule 80, Add	*1.42*	
26 05 33 13-1875		LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.02	
			For Schedule 60, Add	*1.07*	
			For Schedule 80, Add	*1.64*	
26 05 33 13-1876		LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	9.36	
			For Schedule 60, Add	*1.35*	
			For Schedule 80, Add	*2.04*	
26 05 33 13-1877		LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	12.26	
			For Schedule 60, Add	*2.02*	
			For Schedule 80, Add	*2.99*	
26 05 33 13-1878		LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	13.89	
			For Schedule 60, Add	*2.37*	
			For Schedule 80, Add	*3.49*	
26 05 33 13-1879		LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	16.49	
			For Schedule 60, Add	*2.97*	
			For Schedule 80, Add	*4.33*	
26 05 33 13-1880		LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	17.83	
			For Schedule 60, Add	*3.25*	
			For Schedule 80, Add	*4.73*	
26 05 33 13-1881		LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	23.49	
			For Schedule 60, Add	*4.61*	
			For Schedule 80, Add	*6.64*	
26 05 33 13-1882		LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	29.27	
			For Schedule 60, Add	*6.00*	
			For Schedule 80, Add	*8.60*	

26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1884		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	29.01	
			For Schedule 60, Add	*1.76*	
			For Schedule 80, Add	*3.29*	
26 05 33 13-1885		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	34.81	
			For Schedule 60, Add	*2.11*	
			For Schedule 80, Add	*3.94*	
26 05 33 13-1886		EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	41.34	
			For Schedule 60, Add	*2.64*	
			For Schedule 80, Add	*4.85*	
26 05 33 13-1887		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	48.12	
			For Schedule 60, Add	*3.24*	
			For Schedule 80, Add	*5.85*	
26 05 33 13-1888		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	55.10	
			For Schedule 60, Add	*3.88*	
			For Schedule 80, Add	*6.92*	
26 05 33 13-1889		EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	62.74	
			For Schedule 60, Add	*4.70*	
			For Schedule 80, Add	*8.22*	
26 05 33 13-1890		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	74.25	
			For Schedule 60, Add	*6.47*	
			For Schedule 80, Add	*10.88*	
26 05 33 13-1891		EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	88.51	
			For Schedule 60, Add	*8.94*	
			For Schedule 80, Add	*14.49*	
26 05 33 13-1892		EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	108.31	
			For Schedule 60, Add	*11.69*	
			For Schedule 80, Add	*18.67*	
26 05 33 13-1893		EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	128.28	
			For Schedule 60, Add	*14.49*	
			For Schedule 80, Add	*22.92*	
26 05 33 13-1894		EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	170.04	
			For Schedule 60, Add	*22.73*	
			For Schedule 80, Add	*34.78*	
26 05 33 13-1895		EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	200.58	
			For Schedule 60, Add	*28.16*	
			For Schedule 80, Add	*42.73*	

26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1897		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	29.01	
			For Schedule 60, Add	*1.76*	
			For Schedule 80, Add	*3.29*	
26 05 33 13-1898		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	34.70	
			For Schedule 60, Add	*2.08*	
			For Schedule 80, Add	*3.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1899	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	41.19	
		For Schedule 60, Add	*2.61*	
		For Schedule 80, Add	*4.80*	
26 05 33 13-1900	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	47.67	
		For Schedule 60, Add	*3.13*	
		For Schedule 80, Add	*5.69*	
26 05 33 13-1901	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	54.10	
		For Schedule 60, Add	*3.63*	
		For Schedule 80, Add	*6.57*	
26 05 33 13-1902	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	62.21	
		For Schedule 60, Add	*4.56*	
		For Schedule 80, Add	*8.04*	
26 05 33 13-1903	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	73.24	
		For Schedule 60, Add	*6.22*	
		For Schedule 80, Add	*10.52*	
26 05 33 13-1904	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	87.24	
		For Schedule 60, Add	*8.62*	
		For Schedule 80, Add	*14.05*	
26 05 33 13-1905	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	104.74	
		For Schedule 60, Add	*10.80*	
		For Schedule 80, Add	*17.42*	
26 05 33 13-1906	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	125.22	
		For Schedule 60, Add	*13.72*	
		For Schedule 80, Add	*21.85*	
26 05 33 13-1907	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	166.07	
		For Schedule 60, Add	*21.73*	
		For Schedule 80, Add	*33.39*	
26 05 33 13-1908	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	188.74	
		For Schedule 60, Add	*25.20*	
		For Schedule 80, Add	*38.58*	

26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1910	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	16.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-1911	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	18.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 05 33 13-1912	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	21.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 05 33 13-1913	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	23.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.60*	
26 05 33 13-1914	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	26.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.25*	
26 05 33 13-1915	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	29.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.91*	
26 05 33 13-1916	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	34.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.90*	
26 05 33 13-1917	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	40.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-1918	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	47.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.54*	
26 05 33 13-1919	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	53.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.19*	
26 05 33 13-1920	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	68.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-1921	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	77.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.49*	

26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1923	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.97
26 05 33 13-1924	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.58
26 05 33 13-1925	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	24.22
26 05 33 13-1926	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	31.10
26 05 33 13-1927	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	34.41
26 05 33 13-1928	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	38.72
26 05 33 13-1929	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	43.31
26 05 33 13-1930	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	48.99
26 05 33 13-1931	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	58.07
26 05 33 13-1932	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	63.98
26 05 33 13-1933	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	81.16
26 05 33 13-1934	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	91.31

26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1936	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	15.98
26 05 33 13-1937	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	18.55
26 05 33 13-1938	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	20.94
26 05 33 13-1939	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	23.53
26 05 33 13-1940	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	25.91
26 05 33 13-1941	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	28.85
26 05 33 13-1942	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	34.20
26 05 33 13-1943	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	39.11
26 05 33 13-1944	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	46.25
26 05 33 13-1945	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	52.12
26 05 33 13-1946	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	65.99

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1947	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	74.91	

26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1868)*

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1948)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1950	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	12.47	2.49
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000, Deduct	*-1.08*	
26 05 33 13-1951	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	14.00	3.08
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.22*	
26 05 33 13-1952	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	17.21	3.44
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.51*	
26 05 33 13-1953	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	20.78	4.62
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000, Deduct	*-1.84*	
26 05 33 13-1954	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	24.42	5.21
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.18*	
26 05 33 13-1955	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	30.95	5.68
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.77*	
26 05 33 13-1956	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	44.95	8.53
		For >250 To 500, Deduct	*-1.80*	
		For >500 To 1,000, Deduct	*-2.93*	
		For >1,000, Deduct	*-4.05*	
26 05 33 13-1957	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	57.97	10.67
		For >250 To 500, Deduct	*-2.31*	
		For >500 To 1,000, Deduct	*-3.76*	
		For >1,000, Deduct	*-5.20*	
26 05 33 13-1958	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	71.53	11.26
		For >250 To 500, Deduct	*-2.84*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000, Deduct	*-6.41*	
26 05 33 13-1959	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	84.95	12.44
		For >250 To 500, Deduct	*-3.36*	
		For >500 To 1,000, Deduct	*-5.48*	
		For >1,000, Deduct	*-7.61*	
26 05 33 13-1960	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	132.60	17.18
		For >250 To 500, Deduct	*-5.50*	
		For >500 To 1,000, Deduct	*-8.82*	
		For >1,000, Deduct	*-12.13*	
26 05 33 13-1961	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	176.88	22.50
		For >250 To 500, Deduct	*-7.42*	
		For >500 To 1,000, Deduct	*-11.84*	
		For >1,000, Deduct	*-16.27*	

26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-1963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	13.39	3.56
26 05 33 13-1964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	16.05	4.74
26 05 33 13-1965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	20.39	5.92
26 05 33 13-1966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	23.00	6.52
26 05 33 13-1967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	27.25	7.70
26 05 33 13-1968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	35.11	8.88
26 05 33 13-1969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	64.23	10.67
26 05 33 13-1970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	81.73	14.81
26 05 33 13-1971	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	101.21	17.18
26 05 33 13-1972	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	125.56	23.70
26 05 33 13-1973	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	319.87	32.58
26 05 33 13-1974	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	321.27	18.36

26 05 33 13-1975 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial *(26 05 33 13-1948)*

Note: 90, 45, or 30-degree.

26 05 33 13-1976	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	51.62	14.81
26 05 33 13-1977	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	59.58	18.36
26 05 33 13-1978	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	71.23	22.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1979	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	84.33	26.06
26 05 33 13-1980	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	98.81	29.61
26 05 33 13-1981	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	120.39	32.58
26 05 33 13-1982	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	185.80	40.87
26 05 33 13-1983	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	277.66	55.67
26 05 33 13-1984	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	343.79	62.79
26 05 33 13-1985	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	394.15	81.73
26 05 33 13-1986	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	822.42	133.27
26 05 33 13-1987	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,293.93	200.20
26 05 33 13-1988		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1989	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	123.11	22.50
26 05 33 13-1990	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	138.50	26.06
26 05 33 13-1991	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	158.12	29.61
26 05 33 13-1992	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	188.82	32.58
26 05 33 13-1993	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	263.26	40.87
26 05 33 13-1994		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	137.15	22.50
26 05 33 13-1996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	161.69	26.06
26 05 33 13-1997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	174.74	29.61
26 05 33 13-1998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	225.08	32.58
26 05 33 13-1999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	298.22	40.87
26 05 33 13-2000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	381.32	55.67
26 05 33 13-2001		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2002	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	153.92	22.50
26 05 33 13-2003	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	173.76	26.06
26 05 33 13-2004	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	196.07	29.61
26 05 33 13-2005	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	237.10	32.58
26 05 33 13-2006	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	338.38	40.87
26 05 33 13-2007	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	428.48	55.67
26 05 33 13-2008	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	541.28	62.79
26 05 33 13-2009	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	609.32	81.73
26 05 33 13-2010		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2011	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	182.90	22.50
26 05 33 13-2012	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	202.11	26.06
26 05 33 13-2013	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	228.26	29.61
26 05 33 13-2014	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	283.44	32.58
26 05 33 13-2015	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	410.27	40.87
26 05 33 13-2016	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	508.38	55.67
26 05 33 13-2017	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	590.07	62.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2018	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	698.88	81.73
26 05 33 13-2019		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2020	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	205.45	22.50
26 05 33 13-2021	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	228.49	26.06
26 05 33 13-2022	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	259.93	29.61
26 05 33 13-2023	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	323.79	32.58
26 05 33 13-2024	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	449.50	40.87
26 05 33 13-2025	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	572.29	55.67
26 05 33 13-2026	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	708.68	62.79
26 05 33 13-2027	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	781.09	81.73
26 05 33 13-2028	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,302.37	133.27
26 05 33 13-2029		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	234.94	22.50
26 05 33 13-2031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	260.37	26.06
26 05 33 13-2032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	294.66	29.61
26 05 33 13-2033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	368.53	32.58
26 05 33 13-2034	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	514.86	40.87
26 05 33 13-2035	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	653.71	55.67
26 05 33 13-2036	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	768.12	62.79
26 05 33 13-2037	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	887.22	81.73
26 05 33 13-2038	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,376.75	133.27
26 05 33 13-2039	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,881.67	200.20
26 05 33 13-2040		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	276.00	22.50
26 05 33 13-2042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	288.79	26.06
26 05 33 13-2043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	341.13	29.61
26 05 33 13-2044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	430.81	32.58
26 05 33 13-2045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	603.00	40.87
26 05 33 13-2046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	763.48	55.67
26 05 33 13-2047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	933.36	62.79
26 05 33 13-2048	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,093.69	81.73
26 05 33 13-2049	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,619.37	133.27
26 05 33 13-2050	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,993.04	200.20
26 05 33 13-2051		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2052	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	285.89	22.50
26 05 33 13-2053	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	336.86	26.06
26 05 33 13-2054	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	381.32	29.61
26 05 33 13-2055	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	449.54	32.58
26 05 33 13-2056	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	625.02	40.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2057	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	797.24	55.67
26 05 33 13-2058	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,023.35	62.79
26 05 33 13-2059	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,140.52	81.73
26 05 33 13-2060	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,684.55	133.27
26 05 33 13-2061	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	2,049.63	200.20

26 05 33 13-2062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-2063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	95.22	14.81
26 05 33 13-2064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	103.54	18.36
26 05 33 13-2065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	134.58	22.50
26 05 33 13-2066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	196.26	26.06
26 05 33 13-2067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	233.09	29.61
26 05 33 13-2068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	296.84	32.58
26 05 33 13-2069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	395.40	40.87
26 05 33 13-2070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	514.17	40.87
26 05 33 13-2071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	661.98	62.79
26 05 33 13-2072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	852.24	81.73
26 05 33 13-2073	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,553.91	133.27
26 05 33 13-2074	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,933.66	200.20

26 05 33 13-2075 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-2076	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	97.43	14.81
26 05 33 13-2077	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	111.98	18.36
26 05 33 13-2078	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	139.08	22.50
26 05 33 13-2079	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	204.52	26.06
26 05 33 13-2080	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	244.55	29.61
26 05 33 13-2081	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	321.60	32.58
26 05 33 13-2082	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	448.38	40.87
26 05 33 13-2083	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	568.04	40.87
26 05 33 13-2084	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	759.37	62.79
26 05 33 13-2085	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	949.28	81.73
26 05 33 13-2086	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,731.79	133.27
26 05 33 13-2087	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,220.87	200.20

26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-2089	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.82	7.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-2090	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.73	8.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2091	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.51	11.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2092	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.67	13.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2093	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.03	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2094	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.40	7.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-2095	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.28	8.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2096	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.07	11.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2097	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.39	13.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2098	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.95	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2099	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.79	16.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-2100	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.58	7.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-2101	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.45	8.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2102	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.40	11.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2103	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.74	13.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2104	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.31	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2105	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.70	16.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-2106	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.99	7.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-2107	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.87	8.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2108	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.00	11.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2109	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.22	13.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2110	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.94	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2111	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.55	16.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-2112	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	93.26	20.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-2113	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	120.49	27.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-2114	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.17	7.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-2115	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.20	8.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2116	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.35	11.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2117	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.69	13.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2118	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.56	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2119	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.40	16.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-2120	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	95.77	20.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-2121	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	125.91	27.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-2122	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	150.38	31.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-2123	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	175.46	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2124	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.50	7.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-2125	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.56	8.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2126	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.73	11.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2127	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.38	13.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2128	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.28	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2129	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.95	16.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-2130	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	105.79	20.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-2131	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.02	27.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-2132	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.11	31.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-2133	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	180.08	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-2134	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	265.52	56.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-2135	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.13	7.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-2136	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.19	8.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2137	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.42	11.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2138	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.65	13.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2139	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.80	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2140	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.50	16.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-2141	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	115.96	20.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-2142	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.80	27.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-2143	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	161.82	31.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-2144	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	196.46	40.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-2145	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	290.00	56.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-2146	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.13	7.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-2147	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.16	8.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2148	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.95	11.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2149	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.98	13.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2150	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.90	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2151	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.07	16.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-2152	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.47	20.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-2153	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	159.54	27.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2154		EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	186.12	31.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-2155		EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	221.04	40.87
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-2156		EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	306.77	56.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-2157		EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.17	7.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-2158		EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.17	8.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2159		EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.45	11.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2160		EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.56	13.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2161		EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.28	14.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2162		EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.21	16.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-2163		EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	141.69	20.14
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-2164		EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	178.43	27.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-2165		EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	211.65	31.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-2166		EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	264.05	40.87
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-2167		EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	340.25	56.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	
26 05 33 13-2168		EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.24	7.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-2169		EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.37	8.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2170		EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.26	11.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2171		EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.08	13.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2172		EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	83.20	14.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2173		EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	100.15	16.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	
26 05 33 13-2174		EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	159.33	20.14
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.08*	
26 05 33 13-2175		EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	206.75	27.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.70*	
26 05 33 13-2176		EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	227.31	31.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-2177		EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	277.25	40.87
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.52*	
26 05 33 13-2178		EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	345.03	56.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.76*	

26 05 33 13-2179 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1868)*

Note: Direct burial or encased application.

26 05 33 13-2180 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2179)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-2181		LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.58	1.43
			For Work In Restricted Working Space, Add	*1.07*	
26 05 33 13-2182		LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.35	1.54
			For Work In Restricted Working Space, Add	*1.16*	
26 05 33 13-2183		LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.89	1.65
			For Work In Restricted Working Space, Add	*1.24*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2184		LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.43	1.76
			For Work In Restricted Working Space, Add	*1.32*	
26 05 33 13-2185		LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.10	1.87
			For Work In Restricted Working Space, Add	*1.40*	
26 05 33 13-2186		LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.53	1.98
			For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-2187		LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.90	2.08
			For Work In Restricted Working Space, Add	*1.57*	
26 05 33 13-2188		LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.52	2.19
			For Work In Restricted Working Space, Add	*1.65*	
26 05 33 13-2189		LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	14.79	2.30
			For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-2190		LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	16.08	2.41
			For Work In Restricted Working Space, Add	*1.82*	
26 05 33 13-2191		LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	18.84	2.52
			For Work In Restricted Working Space, Add	*1.90*	
26 05 33 13-2192		LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	22.25	2.63
			For Work In Restricted Working Space, Add	*1.98*	

26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2179)*

26 05 33 13-2194		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	101.47	10.99
			For Work In Restricted Working Space, Add	*8.24*	
			For 24" Radius, Add	*6.92*	
			For 36" Radius, Add	*10.15*	
			For 48" Radius, Add	*13.37*	
26 05 33 13-2195		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	115.82	13.19
			For Work In Restricted Working Space, Add	*9.89*	
			For 24" Radius, Add	*7.86*	
			For 36" Radius, Add	*11.58*	
			For 48" Radius, Add	*15.30*	
26 05 33 13-2196		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	122.15	15.39
			For Work In Restricted Working Space, Add	*11.54*	
			For 24" Radius, Add	*8.20*	
			For 36" Radius, Add	*12.22*	
			For 48" Radius, Add	*16.23*	
26 05 33 13-2197		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	128.46	17.59
			For Work In Restricted Working Space, Add	*13.19*	
			For 24" Radius, Add	*8.54*	
			For 36" Radius, Add	*12.85*	
			For 48" Radius, Add	*17.16*	
26 05 33 13-2198		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	134.80	19.78
			For Work In Restricted Working Space, Add	*14.84*	
			For 24" Radius, Add	*8.87*	
			For 36" Radius, Add	*13.48*	
			For 48" Radius, Add	*18.09*	
26 05 33 13-2199		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	152.06	21.99
			For Work In Restricted Working Space, Add	*16.49*	
			For 24" Radius, Add	*10.03*	
			For 36" Radius, Add	*15.21*	
			For 48" Radius, Add	*20.38*	
26 05 33 13-2200		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	176.68	24.18
			For Work In Restricted Working Space, Add	*18.14*	
			For 24" Radius, Add	*11.74*	
			For 36" Radius, Add	*17.67*	
			For 48" Radius, Add	*23.60*	
26 05 33 13-2201		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	205.43	26.37
			For Work In Restricted Working Space, Add	*19.79*	
			For 24" Radius, Add	*13.76*	
			For 36" Radius, Add	*20.54*	
			For 48" Radius, Add	*27.33*	
26 05 33 13-2202		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	233.86	30.77
			For Work In Restricted Working Space, Add	*23.08*	
			For 24" Radius, Add	*15.62*	
			For 36" Radius, Add	*23.39*	
			For 48" Radius, Add	*31.16*	
26 05 33 13-2203		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	262.27	39.56
			For Work In Restricted Working Space, Add	*26.38*	
			For 24" Radius, Add	*17.47*	
			For 36" Radius, Add	*26.23*	
			For 48" Radius, Add	*34.98*	
26 05 33 13-2204		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	316.86	39.56
			For Work In Restricted Working Space, Add	*29.68*	
			For 24" Radius, Add	*21.29*	
			For 36" Radius, Add	*31.69*	
			For 48" Radius, Add	*42.08*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2205		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	382.33	43.96
			For Work In Restricted Working Space, Add	*32.97*	
			For 24" Radius, Add	*25.93*	
			For 36" Radius, Add	*38.23*	
			For 48" Radius, Add	*50.54*	

26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2207		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	46.03	6.15
			For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-2208		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	51.73	7.03
			For Work In Restricted Working Space, Add	*5.28*	
26 05 33 13-2209		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	54.27	7.91
			For Work In Restricted Working Space, Add	*5.93*	
26 05 33 13-2210		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	56.77	8.79
			For Work In Restricted Working Space, Add	*6.60*	
26 05 33 13-2211		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	59.66	9.68
			For Work In Restricted Working Space, Add	*7.25*	
26 05 33 13-2212		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	68.62	10.55
			For Work In Restricted Working Space, Add	*7.91*	
26 05 33 13-2213		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	80.53	11.87
			For Work In Restricted Working Space, Add	*8.90*	
26 05 33 13-2214		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	93.99	13.19
			For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-2215		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	107.11	15.39
			For Work In Restricted Working Space, Add	*11.54*	
26 05 33 13-2216		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	120.24	17.59
			For Work In Restricted Working Space, Add	*13.19*	
26 05 33 13-2217		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	144.80	19.78
			For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-2218		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	174.09	21.99
			For Work In Restricted Working Space, Add	*16.49*	

26 05 33 13-2219 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2220		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	32.68	6.15
			For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-2221		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	36.80	7.03
			For Work In Restricted Working Space, Add	*5.28*	
26 05 33 13-2222		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	39.19	7.91
			For Work In Restricted Working Space, Add	*5.93*	
26 05 33 13-2223		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	41.61	8.79
			For Work In Restricted Working Space, Add	*6.60*	
26 05 33 13-2224		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	44.00	9.68
			For Work In Restricted Working Space, Add	*7.25*	
26 05 33 13-2225		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	46.31	10.55
			For Work In Restricted Working Space, Add	*7.91*	
26 05 33 13-2226		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	53.60	11.87
			For Work In Restricted Working Space, Add	*8.90*	
26 05 33 13-2227		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	61.68	13.19
			For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-2228		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	70.76	15.39
			For Work In Restricted Working Space, Add	*11.54*	
26 05 33 13-2229		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	79.85	17.59
			For Work In Restricted Working Space, Add	*13.19*	
26 05 33 13-2230		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	94.36	19.78
			For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-2231		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	111.03	21.99
			For Work In Restricted Working Space, Add	*16.49*	

26 05 33 13-2232 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-2179)*

26 05 33 13-2233		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	30.28	3.52
			For Work In Restricted Working Space, Add	*2.64*	
26 05 33 13-2234		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	33.79	3.96
			For Work In Restricted Working Space, Add	*2.97*	
26 05 33 13-2235		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	35.14	4.40
			For Work In Restricted Working Space, Add	*3.30*	
26 05 33 13-2236		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	36.38	4.84
			For Work In Restricted Working Space, Add	*3.63*	
26 05 33 13-2237		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	38.04	5.28
			For Work In Restricted Working Space, Add	*3.96*	
26 05 33 13-2238		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	44.97	6.15
			For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-2239		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	54.16	7.47
			For Work In Restricted Working Space, Add	*5.60*	
26 05 33 13-2240		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	64.56	8.79
			For Work In Restricted Working Space, Add	*6.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2241	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	75.36	10.99
		For Work In Restricted Working Space, Add	*8.24*	
26 05 33 13-2242	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	86.17	13.19
		For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-2243	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	104.95	15.39
		For Work In Restricted Working Space, Add	*11.54*	
26 05 33 13-2244	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	127.10	17.59
		For Work In Restricted Working Space, Add	*13.19*	

26 05 33 13-2245 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2246	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	78.63	21.99
		For Work In Restricted Working Space, Add	*16.49*	
26 05 33 13-2247	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	92.22	26.37
		For Work In Restricted Working Space, Add	*19.79*	
26 05 33 13-2248	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	103.50	30.77
		For Work In Restricted Working Space, Add	*23.08*	
26 05 33 13-2249	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	114.65	35.17
		For Work In Restricted Working Space, Add	*26.38*	
26 05 33 13-2250	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	120.76	37.37
		For Work In Restricted Working Space, Add	*28.03*	
26 05 33 13-2251	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	131.46	39.56
		For Work In Restricted Working Space, Add	*29.68*	
26 05 33 13-2252	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	143.47	41.77
		For Work In Restricted Working Space, Add	*31.32*	
26 05 33 13-2253	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	156.78	43.96
		For Work In Restricted Working Space, Add	*32.97*	
26 05 33 13-2254	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	168.13	46.17
		For Work In Restricted Working Space, Add	*34.62*	
26 05 33 13-2255	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	179.48	48.36
		For Work In Restricted Working Space, Add	*36.27*	
26 05 33 13-2256	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	199.63	50.56
		For Work In Restricted Working Space, Add	*37.92*	
26 05 33 13-2257	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	223.43	52.76
		For Work In Restricted Working Space, Add	*39.57*	

26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2259	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	88.25	21.99
		For Work In Restricted Working Space, Add	*16.49*	
26 05 33 13-2260	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	103.00	26.37
		For Work In Restricted Working Space, Add	*19.79*	
26 05 33 13-2261	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	114.34	30.77
		For Work In Restricted Working Space, Add	*23.08*	
26 05 33 13-2262	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	125.61	35.17
		For Work In Restricted Working Space, Add	*26.38*	
26 05 33 13-2263	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	131.81	37.37
		For Work In Restricted Working Space, Add	*28.03*	
26 05 33 13-2264	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	144.08	39.56
		For Work In Restricted Working Space, Add	*29.68*	
26 05 33 13-2265	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	158.60	41.77
		For Work In Restricted Working Space, Add	*31.32*	
26 05 33 13-2266	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	174.94	43.96
		For Work In Restricted Working Space, Add	*32.97*	
26 05 33 13-2267	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	188.57	46.17
		For Work In Restricted Working Space, Add	*34.62*	
26 05 33 13-2268	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	202.21	48.36
		For Work In Restricted Working Space, Add	*36.27*	
26 05 33 13-2269	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	228.11	50.56
		For Work In Restricted Working Space, Add	*37.92*	
26 05 33 13-2270	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	259.02	52.76
		For Work In Restricted Working Space, Add	*39.57*	

26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-2179)*

26 05 33 13-2272	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	94.57	6.15
		For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-2273	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	105.55	7.03
		For Work In Restricted Working Space, Add	*5.28*	
26 05 33 13-2274	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	110.44	7.91
		For Work In Restricted Working Space, Add	*5.93*	
26 05 33 13-2275	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	115.47	8.79
		For Work In Restricted Working Space, Add	*6.60*	
26 05 33 13-2276	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	119.11	9.68
		For Work In Restricted Working Space, Add	*7.25*	
26 05 33 13-2277	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	130.34	10.55
		For Work In Restricted Working Space, Add	*7.91*	
26 05 33 13-2278	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	154.46	11.87
		For Work In Restricted Working Space, Add	*8.90*	
26 05 33 13-2279	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	182.62	13.19
		For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-2280	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	206.82	15.39
		For Work In Restricted Working Space, Add	*11.54*	
26 05 33 13-2281	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	231.04	17.59
		For Work In Restricted Working Space, Add	*13.19*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2282		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	283.38	19.78
			For Work In Restricted Working Space, Add	*14.84*	
26 05 33 13-2283		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	345.53	21.99
			For Work In Restricted Working Space, Add	*16.49*	

26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-2179)*

26 05 33 13-2285		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	104.97	21.99
			For Work In Restricted Working Space, Add	*16.49*	
26 05 33 13-2286		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	121.54	26.37
			For Work In Restricted Working Space, Add	*19.79*	
26 05 33 13-2287		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	145.61	30.77
			For Work In Restricted Working Space, Add	*23.08*	
26 05 33 13-2288		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	180.51	35.17
			For Work In Restricted Working Space, Add	*26.38*	
26 05 33 13-2289		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	220.34	37.37
			For Work In Restricted Working Space, Add	*28.03*	
26 05 33 13-2290		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	287.02	39.56
			For Work In Restricted Working Space, Add	*29.68*	
26 05 33 13-2291		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	400.40	41.77
			For Work In Restricted Working Space, Add	*31.32*	
26 05 33 13-2292		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	476.94	43.96
			For Work In Restricted Working Space, Add	*32.97*	
26 05 33 13-2293		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	566.79	46.17
			For Work In Restricted Working Space, Add	*34.62*	
26 05 33 13-2294		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	656.65	48.36
			For Work In Restricted Working Space, Add	*36.27*	
26 05 33 13-2295		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	762.78	50.56
			For Work In Restricted Working Space, Add	*37.92*	
26 05 33 13-2296		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,212.26	52.76
			For Work In Restricted Working Space, Add	*39.57*	

26 05 33 13-2297 Spacers *(26 05 33 13-1868)*

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.

26 05 33 13-2298		EA	1" Base Spacers, Average 4" Wide, Direct Burial	11.87
26 05 33 13-2299		EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	12.73
26 05 33 13-2300		EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	14.10
26 05 33 13-2301		EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.14
26 05 33 13-2302		EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	14.24
26 05 33 13-2303		EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.24
26 05 33 13-2304		EA	2" Base Spacer, Average 4" Wide, Direct Burial	17.61
26 05 33 13-2305		EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	16.35
26 05 33 13-2306		EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	19.45
26 05 33 13-2307		EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	18.82
26 05 33 13-2308		EA	3" Base Spacer, Average 4" Wide, Direct Burial	22.21
26 05 33 13-2309		EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	21.25
26 05 33 13-2310		EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	24.07
26 05 33 13-2311		EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	23.04
26 05 33 13-2312		EA	4" Base Spacer, Average 4" Wide, Direct Burial	24.82
26 05 33 13-2313		EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	23.69
26 05 33 13-2314		EA	5" Base Spacer, Average 4" Wide, Direct Burial	27.46
26 05 33 13-2315		EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	26.11
26 05 33 13-2316		EA	6" Base Spacer, Average 4" Wide, Direct Burial	31.18
26 05 33 13-2317		EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	30.04

26 05 33 13-2318 Conduit Field Bending *(26 05 33 13-0058)*

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

26 05 33 13-2319 Metallic Conduit Field Bending *(26 05 33 13-2318)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

26 05 33 13-2320		EA	1-1/4" Metallic Conduit Field Bending	21.27	
			For Aluminum Conduit Bending, Add	*14.04*	
26 05 33 13-2321		EA	1-1/2" Metallic Conduit Field Bending	26.60	
			For Aluminum Conduit Bending, Add	*17.56*	
26 05 33 13-2322		EA	2" Metallic Conduit Field Bending	33.24	
			For Aluminum Conduit Bending, Add	*21.94*	
26 05 33 13-2323		EA	2-1/2" Metallic Conduit Field Bending	46.54	
			For Aluminum Conduit Bending, Add	*30.72*	
26 05 33 13-2324		EA	3" Metallic Conduit Field Bending	59.84	
			For Aluminum Conduit Bending, Add	*39.49*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2325		EA	3-1/2" Metallic Conduit Field Bending	79.79	
			For Aluminum Conduit Bending, Add	*52.66*	
26 05 33 13-2326		EA	4" Metallic Conduit Field Bending	93.09	
			For Aluminum Conduit Bending, Add	*61.44*	
26 05 33 13-2327		EA	5" Metallic Conduit Field Bending	106.37	
			For Aluminum Conduit Bending, Add	*70.20*	
26 05 33 13-2328		EA	6" Metallic Conduit Field Bending	126.33	
			For Aluminum Conduit Bending, Add	*83.38*	

26 05 33 13-2329 Plastic Conduit Field Bending *(26 05 33 13-2318)*

Note: For PVC conduits.

26 05 33 13-2330		EA	1" Plastic Conduit Field Bending	30.59	
26 05 33 13-2331		EA	1-1/4" Plastic Conduit Field Bending	33.24	
26 05 33 13-2332		EA	1-1/2" Plastic Conduit Field Bending	39.89	
26 05 33 13-2333		EA	2" Plastic Conduit Field Bending	53.19	
26 05 33 13-2334		EA	2-1/2" Plastic Conduit Field Bending	66.49	
26 05 33 13-2335		EA	3" Plastic Conduit Field Bending	79.79	
26 05 33 13-2336		EA	3-1/2" Plastic Conduit Field Bending	93.09	
26 05 33 13-2337		EA	4" Plastic Conduit Field Bending	106.37	
26 05 33 13-2338		EA	5" Plastic Conduit Field Bending	119.67	
26 05 33 13-2339		EA	6" Plastic Conduit Field Bending	132.97	

26 05 33 13-2340 Cut And Thread Existing In-Place Threaded Conduit *(26 05 33 13-0058)*

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2341		EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	38.96	
			For Work In Restricted Working Space, Add	*11.69*	
26 05 33 13-2342		EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	42.85	
			For Work In Restricted Working Space, Add	*12.86*	
26 05 33 13-2343		EA	1", Cut And Thread Existing In-Place Threaded Conduit	46.75	
			For Work In Restricted Working Space, Add	*14.03*	
26 05 33 13-2344		EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	50.64	
			For Work In Restricted Working Space, Add	*15.19*	
26 05 33 13-2345		EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	53.24	
			For Work In Restricted Working Space, Add	*15.97*	
26 05 33 13-2346		EA	2", Cut And Thread Existing In-Place Threaded Conduit	55.84	
			For Work In Restricted Working Space, Add	*16.75*	
26 05 33 13-2347		EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	58.43	
			For Work In Restricted Working Space, Add	*17.53*	
26 05 33 13-2348		EA	3", Cut And Thread Existing In-Place Threaded Conduit	61.03	
			For Work In Restricted Working Space, Add	*18.31*	
26 05 33 13-2349		EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	62.33	
			For Work In Restricted Working Space, Add	*18.70*	
26 05 33 13-2350		EA	4", Cut And Thread Existing In-Place Threaded Conduit	63.63	
			For Work In Restricted Working Space, Add	*19.09*	
26 05 33 13-2351		EA	5", Cut And Thread Existing In-Place Threaded Conduit	66.23	
			For Work In Restricted Working Space, Add	*19.87*	
26 05 33 13-2352		EA	6", Cut And Thread Existing In-Place Threaded Conduit	68.83	
			For Work In Restricted Working Space, Add	*20.65*	

26 05 33 13-2353 Flexible Conduit *(26 05 33 13-0058)*

26 05 33 13-2354 Flexible Liquid Tight Metallic Conduit And Connectors *(26 05 33 13-2353)*

Note: Steel inner core with PVC cover.

26 05 33 13-2355 Flexible Liquid Tight Metallic Conduit *(26 05 33 13-2354)*

26 05 33 13-2356		LF	3/8" Flexible Liquid Tight Metallic Conduit	4.98	1.42
			For Work In Restricted Working Space, Add	*1.07*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.53*	
26 05 33 13-2357		LF	1/2" Flexible Liquid Tight Metallic Conduit	5.19	1.42
			For Work In Restricted Working Space, Add	*1.07*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.53*	
26 05 33 13-2358		LF	3/4" Flexible Liquid Tight Metallic Conduit	6.95	1.89
			For Work In Restricted Working Space, Add	*1.42*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.71*	
26 05 33 13-2359		LF	1" Flexible Liquid Tight Metallic Conduit	8.08	1.89
			For Work In Restricted Working Space, Add	*1.42*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.71*	
26 05 33 13-2360		LF	1-1/4" Flexible Liquid Tight Metallic Conduit	10.47	2.37
			For Work In Restricted Working Space, Add	*1.78*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.89*	
26 05 33 13-2361		LF	1-1/2" Flexible Liquid Tight Metallic Conduit	13.49	2.85
			For Work In Restricted Working Space, Add	*2.13*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.07*	
26 05 33 13-2362		LF	2" Flexible Liquid Tight Metallic Conduit	17.73	3.79
			For Work In Restricted Working Space, Add	*2.84*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.42*	
26 05 33 13-2363		LF	2-1/2" Flexible Liquid Tight Metallic Conduit	24.31	4.26
			For Work In Restricted Working Space, Add	*3.20*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.60*	
26 05 33 13-2364		LF	3" Flexible Liquid Tight Metallic Conduit	35.97	5.21
			For Work In Restricted Working Space, Add	*3.91*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.95*	
26 05 33 13-2365		LF	4" Flexible Liquid Tight Metallic Conduit	49.34	6.64
			For Work In Restricted Working Space, Add	*4.98*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.49*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-2366 Straight Liquid Tight Connector *(26 05 33 13-2354)*

26 05 33 13-2367	EA	3/8" Straight Liquid Tight Connector	13.52	3.79
		For Work In Restricted Working Space, Add	*2.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.84*	
26 05 33 13-2368	EA	1/2" Straight Liquid Tight Connector	13.52	3.79
		For Work In Restricted Working Space, Add	*2.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.84*	
26 05 33 13-2369	EA	3/4" Straight Liquid Tight Connector	16.47	4.26
		For Work In Restricted Working Space, Add	*3.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.20*	
26 05 33 13-2370	EA	1" Straight Liquid Tight Connector	22.20	4.74
		For Work In Restricted Working Space, Add	*3.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.56*	
26 05 33 13-2371	EA	1-1/4" Straight Liquid Tight Connector	28.67	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 05 33 13-2372	EA	1-1/2" Straight Liquid Tight Connector	36.53	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-2373	EA	2" Straight Liquid Tight Connector	50.59	6.64
		For Work In Restricted Working Space, Add	*4.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.98*	
26 05 33 13-2374	EA	2-1/2" Straight Liquid Tight Connector	175.68	8.53
		For Work In Restricted Working Space, Add	*6.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-2375	EA	3" Straight Liquid Tight Connector	226.92	9.00
		For Work In Restricted Working Space, Add	*6.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2376	EA	4" Straight Liquid Tight Connector	277.30	13.27
		For Work In Restricted Working Space, Add	*9.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.95*	

26 05 33 13-2377 90 Degree Angle Liquid Tight Connector *(26 05 33 13-2354)*

26 05 33 13-2378	EA	3/8" 90 Degree Angle Liquid Tight Connector	19.79	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 05 33 13-2379	EA	1/2" 90 Degree Angle Liquid Tight Connector	20.66	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 05 33 13-2380	EA	3/4" 90 Degree Angle Liquid Tight Connector	23.39	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-2381	EA	1" 90 Degree Angle Liquid Tight Connector	33.28	6.64
		For Work In Restricted Working Space, Add	*4.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.98*	
26 05 33 13-2382	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	42.17	7.11
		For Work In Restricted Working Space, Add	*5.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2383	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	51.36	7.58
		For Work In Restricted Working Space, Add	*5.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-2384	EA	2" 90 Degree Angle Liquid Tight Connector	68.25	8.53
		For Work In Restricted Working Space, Add	*6.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	
26 05 33 13-2385	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	246.02	9.00
		For Work In Restricted Working Space, Add	*6.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2386	EA	3" 90 Degree Angle Liquid Tight Connector	290.76	10.42
		For Work In Restricted Working Space, Add	*7.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.82*	
26 05 33 13-2387	EA	4" 90 Degree Angle Liquid Tight Connector	401.78	16.59
		For Work In Restricted Working Space, Add	*12.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.44*	

26 05 33 13-2388 45 Degree Angle Connector *(26 05 33 13-2354)*

26 05 33 13-2389	EA	3/8" 45 Degree Angle Liquid Tight Connector	19.50	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 05 33 13-2390	EA	1/2" 45 Degree Angle Liquid Tight Connector	19.70	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 05 33 13-2391	EA	3/4" 45 Degree Angle Liquid Tight Connector	23.39	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-2392	EA	1" 45 Degree Angle Liquid Tight Connector	35.66	6.64
		For Work In Restricted Working Space, Add	*4.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.98*	
26 05 33 13-2393	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	40.63	7.11
		For Work In Restricted Working Space, Add	*5.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2394	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	45.61	7.58
		For Work In Restricted Working Space, Add	*5.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2395			**Flexible Metallic Conduit And Connectors** *(26 05 33 13-2353)*		
26 05 33 13-2396			**Flexible Steel Conduit** *(26 05 33 13-2395)*		
26 05 33 13-2397		LF	3/8" Flexible Metallic Conduit	4.63	1.55
			For Work In Restricted Working Space, Add	*1.14*	
			For Installation In Metal Stud Wall, Add	*0.38*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*0.95*	
			For Flexible Aluminum Conduit, Add	*0.14*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.57*	
26 05 33 13-2398		LF	1/2" Flexible Metallic Conduit	4.81	1.55
			For Work In Restricted Working Space, Add	*1.17*	
			For Installation In Metal Stud Wall, Add	*0.39*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*0.97*	
			For Flexible Aluminum Conduit, Add	*0.15*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.58*	
26 05 33 13-2399		LF	3/4" Flexible Metallic Conduit	5.47	2.07
			For Work In Restricted Working Space, Add	*1.27*	
			For Installation In Metal Stud Wall, Add	*0.42*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*1.06*	
			For Flexible Aluminum Conduit, Add	*0.21*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.63*	
26 05 33 13-2400		LF	1" Flexible Metallic Conduit	6.87	2.07
			For Work In Restricted Working Space, Add	*1.36*	
			For Installation In Metal Stud Wall, Add	*0.45*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*1.14*	
			For Flexible Aluminum Conduit, Add	*0.38*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
26 05 33 13-2401		LF	1-1/4" Flexible Metallic Conduit	7.84	2.60
			For Work In Restricted Working Space, Add	*1.44*	
			For Installation In Metal Stud Wall, Add	*0.48*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*1.20*	
			For Flexible Aluminum Conduit, Add	*0.50*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.72*	
26 05 33 13-2402		LF	1-1/2" Flexible Metallic Conduit	10.32	3.12
			For Work In Restricted Working Space, Add	*1.50*	
			For Installation In Metal Stud Wall, Add	*0.50*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*1.25*	
			For Flexible Aluminum Conduit, Add	*0.88*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.75*	
26 05 33 13-2403		LF	2" Flexible Metallic Conduit	11.73	4.15
			For Work In Restricted Working Space, Add	*1.56*	
			For Installation In Metal Stud Wall, Add	*0.52*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*1.30*	
			For Flexible Aluminum Conduit, Add	*1.08*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.78*	
26 05 33 13-2404		LF	2-1/2" Flexible Steel Conduit	14.39	4.67
			For Work In Restricted Working Space, Add	*1.94*	
			For Installation In Metal Stud Wall, Add	*0.65*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*1.62*	
			For Flexible Aluminum Conduit, Add	*1.31*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.97*	
26 05 33 13-2405		LF	3" Flexible Metallic Conduit	21.52	5.70
			For Work In Restricted Working Space, Add	*2.33*	
			For Installation In Metal Stud Wall, Add	*0.78*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*1.95*	
			For Flexible Aluminum Conduit, Add	*2.27*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.17*	
26 05 33 13-2406		LF	3-1/2" Flexible Metallic Conduit	26.40	6.22
			For Work In Restricted Working Space, Add	*2.72*	
			For Installation In Metal Stud Wall, Add	*0.91*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*2.27*	
			For Flexible Aluminum Conduit, Add	*2.86*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.36*	
26 05 33 13-2407		LF	4" Flexible Metallic Conduit	30.36	7.27
			For Work In Restricted Working Space, Add	*3.11*	
			For Installation In Metal Stud Wall, Add	*1.04*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*2.59*	
			For Flexible Aluminum Conduit, Add	*3.30*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.56*	
26 05 33 13-2408			**Plain Squeeze Type Straight Connector** *(26 05 33 13-2395)*		
26 05 33 13-2409		EA	3/8" Flexible Straight Connectors, Plain	7.94	4.15
			For Work In Restricted Working Space, Add	*1.75*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.75*	
26 05 33 13-2410		EA	1/2" Flexible Straight Connectors, Plain	9.83	4.67
			For Work In Restricted Working Space, Add	*1.94*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-2411		EA	3/4" Flexible Straight Connectors, Plain	11.31	5.70
			For Work In Restricted Working Space, Add	*2.33*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.33*	
26 05 33 13-2412		EA	1" Flexible Straight Connectors, Plain	18.11	6.22
			For Work In Restricted Working Space, Add	*3.11*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
26 05 33 13-2413		EA	1-1/4" Flexible Straight Connectors, Plain	25.64	7.27
			For Work In Restricted Working Space, Add	*3.89*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-2414		EA	1-1/2" Flexible Straight Connectors, Plain	33.79	8.82
			For Work In Restricted Working Space, Add	*4.86*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2415	EA	2" Flexible Straight Connectors, Plain	44.47	8.82
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-2416	EA	2-1/2" Flexible Straight Connectors, Plain	71.84	10.89
		For Work In Restricted Working Space, Add	*6.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.81*	
26 05 33 13-2417	EA	3" Flexible Straight Connectors, Plain	94.07	11.92
		For Work In Restricted Working Space, Add	*7.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 33 13-2418	EA	3-1/2" Flexible Straight Connectors, Plain	292.71	14.00
		For Work In Restricted Working Space, Add	*8.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.75*	
26 05 33 13-2419	EA	4" Flexible Straight Connectors, Plain	365.82	17.12
		For Work In Restricted Working Space, Add	*9.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	

26 05 33 13-2420 Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2421	EA	1/2" Flexible Straight Connectors, Insulated	10.98	4.67
		For Work In Restricted Working Space, Add	*1.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-2422	EA	3/4" Flexible Straight Connectors, Insulated	12.82	5.70
		For Work In Restricted Working Space, Add	*2.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.33*	
26 05 33 13-2423	EA	1" Flexible Straight Connectors, Insulated	20.17	6.22
		For Work In Restricted Working Space, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
26 05 33 13-2424	EA	1-1/4" Flexible Straight Connectors, Insulated	29.42	7.27
		For Work In Restricted Working Space, Add	*3.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-2425	EA	1-1/2" Flexible Straight Connectors, Insulated	40.52	7.78
		For Work In Restricted Working Space, Add	*4.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.86*	
26 05 33 13-2426	EA	2" Flexible Straight Connectors, Insulated	56.35	8.82
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-2427	EA	2-1/2" Flexible Straight Connectors, Insulated	97.25	10.89
		For Work In Restricted Working Space, Add	*6.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.81*	
26 05 33 13-2428	EA	3" Flexible Straight Connectors, Insulated	124.03	11.92
		For Work In Restricted Working Space, Add	*7.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 33 13-2429	EA	3-1/2" Flexible Straight Connectors, Insulated	338.88	14.00
		For Work In Restricted Working Space, Add	*8.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.75*	
26 05 33 13-2430	EA	4" Flexible Straight Connectors, Insulated	435.25	17.12
		For Work In Restricted Working Space, Add	*9.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	

26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2432	EA	3/8" Flexible 90 Degree Connector, Plain	11.16	5.19
		For Work In Restricted Working Space, Add	*2.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.33*	
26 05 33 13-2433	EA	1/2" Flexible 90 Degree Connector, Plain	14.73	5.70
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-2434	EA	3/4" Flexible 90 Degree Connector, Plain	19.22	6.22
		For Work In Restricted Working Space, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
26 05 33 13-2435	EA	1" Flexible 90 Degree Connector, Plain	26.94	7.27
		For Work In Restricted Working Space, Add	*3.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-2436	EA	1-1/4" Flexible 90 Degree Connector, Plain	42.08	7.78
		For Work In Restricted Working Space, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 33 13-2437	EA	1-1/2" Flexible 90 Degree Connector, Plain	65.80	9.08
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-2438	EA	2" Flexible 90 Degree Connector, Plain	79.36	11.15
		For Work In Restricted Working Space, Add	*6.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 05 33 13-2439	EA	2-1/2" Flexible 90 Degree Connector, Plain	175.32	11.92
		For Work In Restricted Working Space, Add	*7.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 33 13-2440	EA	3" Flexible 90 Degree Connector, Plain	225.29	14.00
		For Work In Restricted Working Space, Add	*8.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.75*	
26 05 33 13-2441	EA	3-1/2" Flexible 90 Degree Connector, Plain	478.42	17.12
		For Work In Restricted Working Space, Add	*9.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 33 13-2442	EA	4" Flexible 90 Degree Connector, Plain	855.03	19.45
		For Work In Restricted Working Space, Add	*11.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	

26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2444	EA	1/2" Flexible 90 Degree Connector, Insulated	16.33	5.70
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-2445	EA	3/4" Flexible 90 Degree Connector, Insulated	21.19	6.22
		For Work In Restricted Working Space, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
26 05 33 13-2446	EA	1" Flexible 90 Degree Connector, Insulated	26.94	7.27
		For Work In Restricted Working Space, Add	*3.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-2447	EA	1-1/4" Flexible 90 Degree Connector, Insulated	49.09	7.78
		For Work In Restricted Working Space, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 33 13-2448	EA	1-1/2" Flexible 90 Degree Connector, Insulated	78.53	9.08
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-2449	EA	2" Flexible 90 Degree Connector, Insulated	100.06	11.15
		For Work In Restricted Working Space, Add	*6.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 05 33 13-2450	EA	2-1/2" Flexible 90 Degree Connector, Insulated	240.02	11.92
		For Work In Restricted Working Space, Add	*7.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 05 33 13-2451	EA	3" Flexible 90 Degree Connector, Insulated	295.39	14.00
		For Work In Restricted Working Space, Add	*8.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.75*	
26 05 33 13-2452	EA	3-1/2" Flexible 90 Degree Connector, Insulated	796.13	17.12
		For Work In Restricted Working Space, Add	*9.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 33 13-2453	EA	4" Flexible 90 Degree Connector, Insulated	1,187.79	19.45
		For Work In Restricted Working Space, Add	*11.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	

26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2455	EA	3/8" Flexible 45 Degree Connector, Plain	12.45	5.19
		For Work In Restricted Working Space, Add	*2.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.33*	
26 05 33 13-2456	EA	1/2" Flexible 45 Degree Connector, Plain	16.80	5.70
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-2457	EA	3/4" Flexible 45 Degree Connector, Plain	21.53	6.22
		For Work In Restricted Working Space, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	

26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2459	EA	3/8" Flexible 45 Degree Connector, Insulated	13.34	6.22
		For Work In Restricted Working Space, Add	*2.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.33*	
26 05 33 13-2460	EA	1/2" Flexible 45 Degree Connector, Insulated	18.26	5.70
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-2461	EA	3/4" Flexible 45 Degree Connector, Insulated	23.60	6.22
		For Work In Restricted Working Space, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	

26 05 33 13-2462 Plain Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2463	EA	3/8" Flexible Steel Screw-in Connector, Plain	6.61	4.15
		For Work In Restricted Working Space, Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.75*	
26 05 33 13-2464	EA	1/2" Flexible Steel Screw-in Connector, Plain	7.13	4.67
		For Work In Restricted Working Space, Add	*1.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-2465	EA	3/4" Flexible Steel Screw-in Connector, Plain	9.09	5.70
		For Work In Restricted Working Space, Add	*2.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.33*	
26 05 33 13-2466	EA	1" Flexible Steel Screw-in Connector, Plain	13.01	6.22
		For Work In Restricted Working Space, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
26 05 33 13-2467	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	19.15	7.27
		For Work In Restricted Working Space, Add	*3.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-2468	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	23.40	7.78
		For Work In Restricted Working Space, Add	*4.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.86*	
26 05 33 13-2469	EA	2" Flexible Steel Screw-in Connector, Plain	34.39	8.82
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	

26 05 33 13-2470 Insulated Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2471	EA	3/8" Flexible Steel Screw-in Connector, Insulated	6.99	4.15
		For Work In Restricted Working Space, Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.75*	
26 05 33 13-2472	EA	1/2" Flexible Steel Screw-in Connector, Insulated	7.43	4.67
		For Work In Restricted Working Space, Add	*1.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2473	EA	3/4" Flexible Steel Screw-in Connector, Insulated	9.88	5.70
		For Work In Restricted Working Space, Add	*2.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.33*	
26 05 33 13-2474	EA	1" Flexible Steel Screw-in Connector, Insulated	14.21	6.22
		For Work In Restricted Working Space, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
26 05 33 13-2475	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	20.85	7.27
		For Work In Restricted Working Space, Add	*3.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-2476	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	25.44	7.78
		For Work In Restricted Working Space, Add	*4.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.86*	
26 05 33 13-2477	EA	2" Flexible Steel Screw-in Connector, Insulated	36.19	8.82
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	

26 05 33 13-2478 Screw-In Coupling *(26 05 33 13-2395)*

26 05 33 13-2479	EA	1/2" Flexible Steel Screw-in Coupling	7.88	4.67
		For Work In Restricted Working Space, Add	*1.94*	
26 05 33 13-2480	EA	3/4" Flexible Steel Screw-in Coupling	10.33	5.70
		For Work In Restricted Working Space, Add	*2.33*	

26 05 33 13-2481 Flexible To Electrical Metallic Tubing (EMT) Coupling *(26 05 33 13-2395)*

26 05 33 13-2482	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.58	4.15
		For Work In Restricted Working Space, Add	*1.75*	
26 05 33 13-2483	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	14.40	4.67
		For Work In Restricted Working Space, Add	*1.94*	
26 05 33 13-2484	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	19.04	5.70
		For Work In Restricted Working Space, Add	*2.33*	

26 05 33 13-2485 Die Cast Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2486	EA	3/8" Flexible Straight Connector, Die Cast	6.85	4.15
		For Work In Restricted Working Space, Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.75*	
26 05 33 13-2487	EA	1/2" Flexible Straight Connector, Die Cast	7.75	4.67
		For Work In Restricted Working Space, Add	*1.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-2488	EA	3/4" Flexible Straight Connector, Die Cast	9.62	5.70
		For Work In Restricted Working Space, Add	*2.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.33*	
26 05 33 13-2489	EA	1" Flexible Straight Connector, Die Cast	14.48	6.22
		For Work In Restricted Working Space, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
26 05 33 13-2490	EA	1-1/4" Flexible Straight Connector, Die Cast	19.51	7.27
		For Work In Restricted Working Space, Add	*3.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-2491	EA	1-1/2" Flexible Straight Connector, Die Cast	26.47	7.78
		For Work In Restricted Working Space, Add	*4.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.86*	
26 05 33 13-2492	EA	2" Flexible Straight Connector, Die Cast	34.22	8.82
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	

26 05 33 13-2493 Die Cast Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2494	EA	3/8" Flexible 90 Degree Connector, Die Cast	9.08	5.19
		For Work In Restricted Working Space, Add	*2.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.33*	
26 05 33 13-2495	EA	1/2" Flexible 90 Degree Connector, Die Cast	11.26	5.70
		For Work In Restricted Working Space, Add	*2.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-2496	EA	3/4" Flexible 90 Degree Connector, Die Cast	13.65	6.22
		For Work In Restricted Working Space, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
26 05 33 13-2497	EA	1" Flexible 90 Degree Connector, Die Cast	21.64	7.27
		For Work In Restricted Working Space, Add	*3.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-2498	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	30.70	7.78
		For Work In Restricted Working Space, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 33 13-2499	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	47.70	9.08
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-2500	EA	2" Flexible 90 Degree Connector, Die Cast	57.04	11.15
		For Work In Restricted Working Space, Add	*6.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	

26 05 33 13-2501 Flexible Liquid Tight Non-Metallic Conduit And Connectors *(26 05 33 13-2353)*

26 05 33 13-2502 Flexible Liquid Tight Non-Metallic Conduit *(26 05 33 13-2501)*

26 05 33 13-2503	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	4.46	1.42
		For Work In Restricted Working Space, Add	*1.07*	
26 05 33 13-2504	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	4.54	1.42
		For Work In Restricted Working Space, Add	*1.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2505	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	6.09	1.89
		For Work In Restricted Working Space, Add	*1.42*	
26 05 33 13-2506	LF	1" Flexible Liquid Tight Non-Metallic Conduit	7.48	1.89
		For Work In Restricted Working Space, Add	*1.42*	
26 05 33 13-2507	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	9.48	2.37
		For Work In Restricted Working Space, Add	*1.78*	
26 05 33 13-2508	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	12.07	2.85
		For Work In Restricted Working Space, Add	*2.13*	
26 05 33 13-2509	LF	2" Flexible Liquid Tight Non-Metallic Conduit	15.51	3.79
		For Work In Restricted Working Space, Add	*2.84*	

26 05 33 13-2510 Liquid Tight Non-Metallic Straight Connector *(26 05 33 13-2501)*

26 05 33 13-2511	EA	3/8" Liquid Tight Non-Metallic Straight Connector	12.80	3.79
		For Work In Restricted Working Space, Add	*2.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.84*	
26 05 33 13-2512	EA	1/2" Liquid Tight Non-Metallic Straight Connector	12.80	3.79
		For Work In Restricted Working Space, Add	*2.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.84*	
26 05 33 13-2513	EA	3/4" Liquid Tight Non-Metallic Straight Connector	15.60	4.26
		For Work In Restricted Working Space, Add	*3.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.20*	
26 05 33 13-2514	EA	1" Liquid Tight Non-Metallic Straight Connector	19.26	4.74
		For Work In Restricted Working Space, Add	*3.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.56*	
26 05 33 13-2515	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	26.32	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 05 33 13-2516	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	32.71	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-2517	EA	2" Liquid Tight Non-Metallic Straight Connector	50.53	6.64
		For Work In Restricted Working Space, Add	*4.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.98*	

26 05 33 13-2518 Liquid Tight Non-Metallic 90 Degree Angle Connector *(26 05 33 13-2501)*

26 05 33 13-2519	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.45	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 05 33 13-2520	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.45	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 05 33 13-2521	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	22.55	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-2522	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	31.64	6.64
		For Work In Restricted Working Space, Add	*4.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.98*	
26 05 33 13-2523	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	32.74	7.11
		For Work In Restricted Working Space, Add	*5.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2524	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	51.05	7.58
		For Work In Restricted Working Space, Add	*5.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-2525	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	68.29	8.53
		For Work In Restricted Working Space, Add	*6.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	

26 05 33 13-2526 Liquid Tight Non-Metallic 45 Degree Angle Connector *(26 05 33 13-2501)*

26 05 33 13-2527	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.45	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 05 33 13-2528	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.45	5.21
		For Work In Restricted Working Space, Add	*3.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 05 33 13-2529	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	22.55	5.68
		For Work In Restricted Working Space, Add	*4.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.26*	
26 05 33 13-2530	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	31.64	6.64
		For Work In Restricted Working Space, Add	*4.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.98*	
26 05 33 13-2531	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	32.74	7.11
		For Work In Restricted Working Space, Add	*5.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2532	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	51.05	7.58
		For Work In Restricted Working Space, Add	*5.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-2533	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	68.29	8.53
		For Work In Restricted Working Space, Add	*6.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.40*	

26 05 33 13-2534 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-2353)*

Note: Carlon - FLEX-PLUS.

26 05 33 13-2535 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-2534)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33 13-2536	LF	1/2" Blue ENT Electrical Non-Metallic Tubing	5.55	1.55
			For Work In Restricted Working Space, Add	*1.17*	
	26 05 33 13-2537	LF	3/4" Blue ENT Electrical Non-Metallic Tubing	7.51	2.07
			For Work In Restricted Working Space, Add	*1.56*	
	26 05 33 13-2538	LF	1" Blue ENT Electrical Non-Metallic Tubing	8.93	2.07
			For Work In Restricted Working Space, Add	*1.56*	
26 05 33 13-2539	Terminal Adapter *(26 05 33 13-2534)*				
	26 05 33 13-2540	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	13.10	4.15
			For Work In Restricted Working Space, Add	*3.11*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
	26 05 33 13-2541	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	16.65	4.67
			For Work In Restricted Working Space, Add	*3.50*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
	26 05 33 13-2542	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	19.39	5.19
			For Work In Restricted Working Space, Add	*3.89*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-2543	Coupling *(26 05 33 13-2534)*				
	26 05 33 13-2544	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	12.75	4.15
			For Work In Restricted Working Space, Add	*3.11*	
	26 05 33 13-2545	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	14.75	4.67
			For Work In Restricted Working Space, Add	*3.50*	
	26 05 33 13-2546	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	17.60	5.19
			For Work In Restricted Working Space, Add	*3.89*	
26 05 33 13-2547	Metallic Conduit Bodies *(26 05 33 13-0058)*				
26 05 33 13-2548	Threaded, Cast Aluminum Conduit Body *(26 05 33 13-2547)*				
	Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)				
26 05 33 13-2549	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*				
	26 05 33 13-2550	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	65.74	22.74
			For Work In Restricted Working Space, Add	*17.06*	
			For Elevated Installation >10' To 15', Add	*5.69*	
			For Elevated Installation >15' To 20', Add	*11.37*	
			For Elevated Installation >20' To 25', Add	*14.22*	
			For Elevated Installation >25' To 30', Add	*19.90*	
			For Elevated Installation >30' To 35', Add	*22.75*	
			For Elevated Installation >35' To 40', Add	*28.44*	
			For Elevated Installation >40', Add	*31.28*	
			For Mogul LB, Add	*3.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
	26 05 33 13-2551	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	77.20	26.06
			For Work In Restricted Working Space, Add	*19.55*	
			For Elevated Installation >10' To 15', Add	*6.52*	
			For Elevated Installation >15' To 20', Add	*13.03*	
			For Elevated Installation >20' To 25', Add	*16.29*	
			For Elevated Installation >25' To 30', Add	*22.80*	
			For Elevated Installation >30' To 35', Add	*26.06*	
			For Elevated Installation >35' To 40', Add	*32.58*	
			For Elevated Installation >40', Add	*35.83*	
			For Mogul LB, Add	*5.78*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
	26 05 33 13-2552	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	92.96	30.32
			For Work In Restricted Working Space, Add	*22.74*	
			For Elevated Installation >10' To 15', Add	*7.58*	
			For Elevated Installation >15' To 20', Add	*15.16*	
			For Elevated Installation >20' To 25', Add	*18.95*	
			For Elevated Installation >25' To 30', Add	*26.53*	
			For Elevated Installation >30' To 35', Add	*30.32*	
			For Elevated Installation >35' To 40', Add	*37.91*	
			For Elevated Installation >40', Add	*41.70*	
			For Mogul LB, Add	*9.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.74*	
	26 05 33 13-2553	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	112.09	34.59
			For Work In Restricted Working Space, Add	*25.94*	
			For Elevated Installation >10' To 15', Add	*8.65*	
			For Elevated Installation >15' To 20', Add	*17.30*	
			For Elevated Installation >20' To 25', Add	*21.62*	
			For Elevated Installation >25' To 30', Add	*30.27*	
			For Elevated Installation >30' To 35', Add	*34.59*	
			For Elevated Installation >35' To 40', Add	*43.24*	
			For Elevated Installation >40', Add	*47.56*	
			For Mogul LB, Add	*14.88*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2554	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	127.80	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Mogul LB, Add	*20.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-2555	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	167.08	45.49
		For Work In Restricted Working Space, Add	*34.12*	
		For Elevated Installation >10' To 15', Add	*11.37*	
		For Elevated Installation >15' To 20', Add	*22.74*	
		For Elevated Installation >20' To 25', Add	*28.43*	
		For Elevated Installation >25' To 30', Add	*39.80*	
		For Elevated Installation >30' To 35', Add	*45.49*	
		For Elevated Installation >35' To 40', Add	*56.86*	
		For Elevated Installation >40', Add	*62.55*	
		For Mogul LB, Add	*34.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.12*	
26 05 33 13-2556	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	278.02	63.97
		For Work In Restricted Working Space, Add	*47.98*	
		For Elevated Installation >10' To 15', Add	*15.99*	
		For Elevated Installation >15' To 20', Add	*31.98*	
		For Elevated Installation >20' To 25', Add	*39.98*	
		For Elevated Installation >25' To 30', Add	*55.97*	
		For Elevated Installation >30' To 35', Add	*63.97*	
		For Elevated Installation >35' To 40', Add	*79.96*	
		For Elevated Installation >40', Add	*87.96*	
		For Mogul LB, Add	*80.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.98*	
26 05 33 13-2557	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	365.72	85.29
		For Work In Restricted Working Space, Add	*63.97*	
		For Elevated Installation >10' To 15', Add	*21.32*	
		For Elevated Installation >15' To 20', Add	*42.65*	
		For Elevated Installation >20' To 25', Add	*53.31*	
		For Elevated Installation >25' To 30', Add	*74.63*	
		For Elevated Installation >30' To 35', Add	*85.29*	
		For Elevated Installation >35' To 40', Add	*106.62*	
		For Elevated Installation >40', Add	*117.28*	
		For Mogul LB, Add	*103.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.97*	
26 05 33 13-2558	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	484.62	106.61
		For Work In Restricted Working Space, Add	*79.96*	
		For Elevated Installation >10' To 15', Add	*26.65*	
		For Elevated Installation >15' To 20', Add	*53.31*	
		For Elevated Installation >20' To 25', Add	*66.63*	
		For Elevated Installation >25' To 30', Add	*93.29*	
		For Elevated Installation >30' To 35', Add	*106.61*	
		For Elevated Installation >35' To 40', Add	*133.27*	
		For Elevated Installation >40', Add	*146.59*	
		For Mogul LB, Add	*150.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.96*	
26 05 33 13-2559	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	627.62	129.83
		For Work In Restricted Working Space, Add	*97.37*	
		For Elevated Installation >10' To 15', Add	*32.46*	
		For Elevated Installation >15' To 20', Add	*64.92*	
		For Elevated Installation >20' To 25', Add	*81.15*	
		For Elevated Installation >25' To 30', Add	*113.60*	
		For Elevated Installation >30' To 35', Add	*129.83*	
		For Elevated Installation >35' To 40', Add	*162.29*	
		For Elevated Installation >40', Add	*178.52*	
		For Mogul LB, Add	*211.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.37*	

26 05 33 13-2560 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2561	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	66.82	22.74
		For Work In Restricted Working Space, Add	*17.06*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.37*	
		For Elevated Installation >20' To 25', Add	*14.22*	
		For Elevated Installation >25' To 30', Add	*19.90*	
		For Elevated Installation >30' To 35', Add	*22.75*	
		For Elevated Installation >35' To 40', Add	*28.44*	
		For Elevated Installation >40', Add	*31.28*	
		For Mogul LB, Add	*4.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2562	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	78.25	26.06
		For Work In Restricted Working Space, Add	*19.55*	
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
		For Mogul LB, Add	*6.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-2563	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	95.08	30.32
		For Work In Restricted Working Space, Add	*22.74*	
		For Elevated Installation >10' To 15', Add	*7.58*	
		For Elevated Installation >15' To 20', Add	*15.16*	
		For Elevated Installation >20' To 25', Add	*18.95*	
		For Elevated Installation >25' To 30', Add	*26.53*	
		For Elevated Installation >30' To 35', Add	*30.32*	
		For Elevated Installation >35' To 40', Add	*37.91*	
		For Elevated Installation >40', Add	*41.70*	
		For Mogul LB, Add	*10.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.74*	
26 05 33 13-2564	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	114.67	34.59
		For Work In Restricted Working Space, Add	*25.94*	
		For Elevated Installation >10' To 15', Add	*8.65*	
		For Elevated Installation >15' To 20', Add	*17.30*	
		For Elevated Installation >20' To 25', Add	*21.62*	
		For Elevated Installation >25' To 30', Add	*30.27*	
		For Elevated Installation >30' To 35', Add	*34.59*	
		For Elevated Installation >35' To 40', Add	*43.24*	
		For Elevated Installation >40', Add	*47.56*	
		For Mogul LB, Add	*16.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.94*	
26 05 33 13-2565	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	132.19	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Mogul LB, Add	*23.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-2566	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	176.52	45.49
		For Work In Restricted Working Space, Add	*34.12*	
		For Elevated Installation >10' To 15', Add	*11.37*	
		For Elevated Installation >15' To 20', Add	*22.74*	
		For Elevated Installation >20' To 25', Add	*28.43*	
		For Elevated Installation >25' To 30', Add	*39.80*	
		For Elevated Installation >30' To 35', Add	*45.49*	
		For Elevated Installation >35' To 40', Add	*56.86*	
		For Elevated Installation >40', Add	*62.55*	
		For Mogul LB, Add	*41.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.12*	
26 05 33 13-2567	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	273.26	63.97
		For Work In Restricted Working Space, Add	*47.98*	
		For Elevated Installation >10' To 15', Add	*15.99*	
		For Elevated Installation >15' To 20', Add	*31.98*	
		For Elevated Installation >20' To 25', Add	*39.98*	
		For Elevated Installation >25' To 30', Add	*55.97*	
		For Elevated Installation >30' To 35', Add	*63.97*	
		For Elevated Installation >35' To 40', Add	*79.96*	
		For Elevated Installation >40', Add	*87.96*	
		For Mogul LB, Add	*77.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.98*	
26 05 33 13-2568	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	349.71	85.29
		For Work In Restricted Working Space, Add	*63.97*	
		For Elevated Installation >10' To 15', Add	*21.32*	
		For Elevated Installation >15' To 20', Add	*42.65*	
		For Elevated Installation >20' To 25', Add	*53.31*	
		For Elevated Installation >25' To 30', Add	*74.63*	
		For Elevated Installation >30' To 35', Add	*85.29*	
		For Elevated Installation >35' To 40', Add	*106.62*	
		For Elevated Installation >40', Add	*117.28*	
		For Mogul LB, Add	*91.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.97*	
26 05 33 13-2569	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	498.25	106.61
		For Work In Restricted Working Space, Add	*79.96*	
		For Elevated Installation >10' To 15', Add	*26.65*	
		For Elevated Installation >15' To 20', Add	*53.31*	
		For Elevated Installation >20' To 25', Add	*66.63*	
		For Elevated Installation >25' To 30', Add	*93.29*	
		For Elevated Installation >30' To 35', Add	*106.61*	
		For Elevated Installation >35' To 40', Add	*133.27*	
		For Elevated Installation >40', Add	*146.59*	
		For Mogul LB, Add	*160.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2570	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	655.51	129.83
		For Work In Restricted Working Space, Add	*97.37*	
		For Elevated Installation >10' To 15', Add	*32.46*	
		For Elevated Installation >15' To 20', Add	*64.92*	
		For Elevated Installation >20' To 25', Add	*81.15*	
		For Elevated Installation >25' To 30', Add	*113.60*	
		For Elevated Installation >30' To 35', Add	*129.83*	
		For Elevated Installation >35' To 40', Add	*162.29*	
		For Elevated Installation >40', Add	*178.52*	
		For Mogul LB, Add	*231.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.37*	

26 05 33 13-2571 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2572	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	76.91	26.06
		For Work In Restricted Working Space, Add	*19.55*	
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-2573	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	90.95	30.32
		For Work In Restricted Working Space, Add	*22.74*	
		For Elevated Installation >10' To 15', Add	*7.58*	
		For Elevated Installation >15' To 20', Add	*15.16*	
		For Elevated Installation >20' To 25', Add	*18.95*	
		For Elevated Installation >25' To 30', Add	*26.53*	
		For Elevated Installation >30' To 35', Add	*30.32*	
		For Elevated Installation >35' To 40', Add	*37.91*	
		For Elevated Installation >40', Add	*41.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.74*	
26 05 33 13-2574	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	104.36	33.17
		For Work In Restricted Working Space, Add	*24.88*	
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.59*	
		For Elevated Installation >20' To 25', Add	*20.73*	
		For Elevated Installation >25' To 30', Add	*29.03*	
		For Elevated Installation >30' To 35', Add	*33.17*	
		For Elevated Installation >35' To 40', Add	*41.47*	
		For Elevated Installation >40', Add	*45.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.88*	
26 05 33 13-2575	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	127.24	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-2576	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	146.47	41.70
		For Work In Restricted Working Space, Add	*31.28*	
		For Elevated Installation >10' To 15', Add	*10.43*	
		For Elevated Installation >15' To 20', Add	*20.85*	
		For Elevated Installation >20' To 25', Add	*26.06*	
		For Elevated Installation >25' To 30', Add	*36.49*	
		For Elevated Installation >30' To 35', Add	*41.70*	
		For Elevated Installation >35' To 40', Add	*52.13*	
		For Elevated Installation >40', Add	*57.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.28*	
26 05 33 13-2577	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	194.22	48.81
		For Work In Restricted Working Space, Add	*36.60*	
		For Elevated Installation >10' To 15', Add	*12.20*	
		For Elevated Installation >15' To 20', Add	*24.40*	
		For Elevated Installation >20' To 25', Add	*30.50*	
		For Elevated Installation >25' To 30', Add	*42.70*	
		For Elevated Installation >30' To 35', Add	*48.80*	
		For Elevated Installation >35' To 40', Add	*61.01*	
		For Elevated Installation >40', Add	*67.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.60*	
26 05 33 13-2578	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	305.28	71.08
		For Work In Restricted Working Space, Add	*53.31*	
		For Elevated Installation >10' To 15', Add	*17.77*	
		For Elevated Installation >15' To 20', Add	*35.54*	
		For Elevated Installation >20' To 25', Add	*44.42*	
		For Elevated Installation >25' To 30', Add	*62.19*	
		For Elevated Installation >30' To 35', Add	*71.08*	
		For Elevated Installation >35' To 40', Add	*88.85*	
		For Elevated Installation >40', Add	*97.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2579	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	394.55	92.40
		For Work In Restricted Working Space, Add	*69.30*	
		For Elevated Installation >10' To 15', Add	*23.10*	
		For Elevated Installation >15' To 20', Add	*46.20*	
		For Elevated Installation >20' To 25', Add	*57.75*	
		For Elevated Installation >25' To 30', Add	*80.85*	
		For Elevated Installation >30' To 35', Add	*92.40*	
		For Elevated Installation >35' To 40', Add	*115.50*	
		For Elevated Installation >40', Add	*127.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.30*	
26 05 33 13-2580	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	623.99	113.72
		For Work In Restricted Working Space, Add	*85.29*	
		For Elevated Installation >10' To 15', Add	*28.43*	
		For Elevated Installation >15' To 20', Add	*56.86*	
		For Elevated Installation >20' To 25', Add	*71.08*	
		For Elevated Installation >25' To 30', Add	*99.51*	
		For Elevated Installation >30' To 35', Add	*113.72*	
		For Elevated Installation >35' To 40', Add	*142.15*	
		For Elevated Installation >40', Add	*156.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.29*	
26 05 33 13-2581	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	716.37	136.95
		For Work In Restricted Working Space, Add	*102.71*	
		For Elevated Installation >10' To 15', Add	*34.24*	
		For Elevated Installation >15' To 20', Add	*68.47*	
		For Elevated Installation >20' To 25', Add	*85.59*	
		For Elevated Installation >25' To 30', Add	*119.82*	
		For Elevated Installation >30' To 35', Add	*136.94*	
		For Elevated Installation >35' To 40', Add	*171.18*	
		For Elevated Installation >40', Add	*188.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.71*	

26 05 33 13-2582 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2583	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	67.04	22.74
		For Work In Restricted Working Space, Add	*17.06*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.37*	
		For Elevated Installation >20' To 25', Add	*14.22*	
		For Elevated Installation >25' To 30', Add	*19.90*	
		For Elevated Installation >30' To 35', Add	*22.75*	
		For Elevated Installation >35' To 40', Add	*28.44*	
		For Elevated Installation >40', Add	*31.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-2584	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	77.50	26.06
		For Work In Restricted Working Space, Add	*19.55*	
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-2585	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	93.04	29.85
		For Work In Restricted Working Space, Add	*22.39*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.93*	
		For Elevated Installation >20' To 25', Add	*18.66*	
		For Elevated Installation >25' To 30', Add	*26.12*	
		For Elevated Installation >30' To 35', Add	*29.85*	
		For Elevated Installation >35' To 40', Add	*37.32*	
		For Elevated Installation >40', Add	*41.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.39*	
26 05 33 13-2586	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	113.64	34.59
		For Work In Restricted Working Space, Add	*25.94*	
		For Elevated Installation >10' To 15', Add	*8.65*	
		For Elevated Installation >15' To 20', Add	*17.30*	
		For Elevated Installation >20' To 25', Add	*21.62*	
		For Elevated Installation >25' To 30', Add	*30.27*	
		For Elevated Installation >30' To 35', Add	*34.59*	
		For Elevated Installation >35' To 40', Add	*43.24*	
		For Elevated Installation >40', Add	*47.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.94*	
26 05 33 13-2587	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	127.08	37.91
		For Work In Restricted Working Space, Add	*28.43*	
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2588	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	167.16	45.49
		For Work In Restricted Working Space, Add	*34.12*	
		For Elevated Installation >10' To 15', Add	*11.37*	
		For Elevated Installation >15' To 20', Add	*22.74*	
		For Elevated Installation >20' To 25', Add	*28.43*	
		For Elevated Installation >25' To 30', Add	*39.80*	
		For Elevated Installation >30' To 35', Add	*45.49*	
		For Elevated Installation >35' To 40', Add	*56.86*	
		For Elevated Installation >40', Add	*62.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.12*	
26 05 33 13-2589	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	269.25	63.97
		For Work In Restricted Working Space, Add	*47.98*	
		For Elevated Installation >10' To 15', Add	*15.99*	
		For Elevated Installation >15' To 20', Add	*31.98*	
		For Elevated Installation >20' To 25', Add	*39.98*	
		For Elevated Installation >25' To 30', Add	*55.97*	
		For Elevated Installation >30' To 35', Add	*63.97*	
		For Elevated Installation >35' To 40', Add	*79.96*	
		For Elevated Installation >40', Add	*87.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.98*	
26 05 33 13-2590	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	347.15	85.29
		For Work In Restricted Working Space, Add	*63.97*	
		For Elevated Installation >10' To 15', Add	*21.32*	
		For Elevated Installation >15' To 20', Add	*42.65*	
		For Elevated Installation >20' To 25', Add	*53.31*	
		For Elevated Installation >25' To 30', Add	*74.63*	
		For Elevated Installation >30' To 35', Add	*85.29*	
		For Elevated Installation >35' To 40', Add	*106.62*	
		For Elevated Installation >40', Add	*117.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.97*	
26 05 33 13-2591	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	490.05	106.61
		For Work In Restricted Working Space, Add	*79.96*	
		For Elevated Installation >10' To 15', Add	*26.65*	
		For Elevated Installation >15' To 20', Add	*53.31*	
		For Elevated Installation >20' To 25', Add	*66.63*	
		For Elevated Installation >25' To 30', Add	*93.29*	
		For Elevated Installation >30' To 35', Add	*106.61*	
		For Elevated Installation >35' To 40', Add	*133.27*	
		For Elevated Installation >40', Add	*146.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.96*	
26 05 33 13-2592	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	630.18	129.83
		For Work In Restricted Working Space, Add	*97.37*	
		For Elevated Installation >10' To 15', Add	*32.46*	
		For Elevated Installation >15' To 20', Add	*64.92*	
		For Elevated Installation >20' To 25', Add	*81.15*	
		For Elevated Installation >25' To 30', Add	*113.60*	
		For Elevated Installation >30' To 35', Add	*129.83*	
		For Elevated Installation >35' To 40', Add	*162.29*	
		For Elevated Installation >40', Add	*178.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.37*	

26 05 33 13-2593 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2594	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	89.07	29.85
		For Work In Restricted Working Space, Add	*22.39*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.93*	
		For Elevated Installation >20' To 25', Add	*18.66*	
		For Elevated Installation >25' To 30', Add	*26.12*	
		For Elevated Installation >30' To 35', Add	*29.85*	
		For Elevated Installation >35' To 40', Add	*37.32*	
		For Elevated Installation >40', Add	*41.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.39*	
26 05 33 13-2595	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	102.46	33.17
		For Work In Restricted Working Space, Add	*24.88*	
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.59*	
		For Elevated Installation >20' To 25', Add	*20.73*	
		For Elevated Installation >25' To 30', Add	*29.03*	
		For Elevated Installation >30' To 35', Add	*33.17*	
		For Elevated Installation >35' To 40', Add	*41.47*	
		For Elevated Installation >40', Add	*45.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.88*	
26 05 33 13-2596	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	124.26	36.49
		For Work In Restricted Working Space, Add	*27.37*	
		For Elevated Installation >10' To 15', Add	*9.12*	
		For Elevated Installation >15' To 20', Add	*18.24*	
		For Elevated Installation >20' To 25', Add	*22.81*	
		For Elevated Installation >25' To 30', Add	*31.93*	
		For Elevated Installation >30' To 35', Add	*36.49*	
		For Elevated Installation >35' To 40', Add	*45.61*	
		For Elevated Installation >40', Add	*50.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2597	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	143.15	41.70
		For Work In Restricted Working Space, Add	*31.28*	
		For Elevated Installation >10' To 15', Add	*10.43*	
		For Elevated Installation >15' To 20', Add	*20.85*	
		For Elevated Installation >20' To 25', Add	*26.06*	
		For Elevated Installation >25' To 30', Add	*36.49*	
		For Elevated Installation >30' To 35', Add	*41.70*	
		For Elevated Installation >35' To 40', Add	*52.13*	
		For Elevated Installation >40', Add	*57.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.28*	
26 05 33 13-2598	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	181.85	45.49
		For Work In Restricted Working Space, Add	*34.12*	
		For Elevated Installation >10' To 15', Add	*11.37*	
		For Elevated Installation >15' To 20', Add	*22.74*	
		For Elevated Installation >20' To 25', Add	*28.43*	
		For Elevated Installation >25' To 30', Add	*39.80*	
		For Elevated Installation >30' To 35', Add	*45.49*	
		For Elevated Installation >35' To 40', Add	*56.86*	
		For Elevated Installation >40', Add	*62.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.12*	
26 05 33 13-2599	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	220.12	55.91
		For Work In Restricted Working Space, Add	*41.93*	
		For Elevated Installation >10' To 15', Add	*13.98*	
		For Elevated Installation >15' To 20', Add	*27.96*	
		For Elevated Installation >20' To 25', Add	*34.95*	
		For Elevated Installation >25' To 30', Add	*48.92*	
		For Elevated Installation >30' To 35', Add	*55.91*	
		For Elevated Installation >35' To 40', Add	*69.89*	
		For Elevated Installation >40', Add	*76.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.93*	
26 05 33 13-2600	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	404.28	81.97
		For Work In Restricted Working Space, Add	*61.48*	
		For Elevated Installation >10' To 15', Add	*20.49*	
		For Elevated Installation >15' To 20', Add	*40.99*	
		For Elevated Installation >20' To 25', Add	*51.24*	
		For Elevated Installation >25' To 30', Add	*71.73*	
		For Elevated Installation >30' To 35', Add	*81.98*	
		For Elevated Installation >35' To 40', Add	*102.47*	
		For Elevated Installation >40', Add	*112.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.48*	
26 05 33 13-2601	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	500.05	106.61
		For Work In Restricted Working Space, Add	*79.96*	
		For Elevated Installation >10' To 15', Add	*26.65*	
		For Elevated Installation >15' To 20', Add	*53.31*	
		For Elevated Installation >20' To 25', Add	*66.63*	
		For Elevated Installation >25' To 30', Add	*93.29*	
		For Elevated Installation >30' To 35', Add	*106.61*	
		For Elevated Installation >35' To 40', Add	*133.27*	
		For Elevated Installation >40', Add	*146.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.96*	
26 05 33 13-2602	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	708.32	131.73
		For Work In Restricted Working Space, Add	*99.51*	
		For Elevated Installation >10' To 15', Add	*33.17*	
		For Elevated Installation >15' To 20', Add	*66.34*	
		For Elevated Installation >20' To 25', Add	*82.92*	
		For Elevated Installation >25' To 30', Add	*116.09*	
		For Elevated Installation >30' To 35', Add	*132.68*	
		For Elevated Installation >35' To 40', Add	*165.85*	
		For Elevated Installation >40', Add	*182.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.51*	
26 05 33 13-2603	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	855.12	158.27
		For Work In Restricted Working Space, Add	*118.70*	
		For Elevated Installation >10' To 15', Add	*39.57*	
		For Elevated Installation >15' To 20', Add	*79.13*	
		For Elevated Installation >20' To 25', Add	*98.92*	
		For Elevated Installation >25' To 30', Add	*138.48*	
		For Elevated Installation >30' To 35', Add	*158.26*	
		For Elevated Installation >35' To 40', Add	*197.83*	
		For Elevated Installation >40', Add	*217.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.70*	

26 05 33 13-2604 Threaded, Malleable Iron Conduit Body *(26 05 33 13-2547)*

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)

26 05 33 13-2605 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2606	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	68.76	22.74
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.37*	
		For Elevated Installation >20' To 25', Add	*14.22*	
		For Elevated Installation >25' To 30', Add	*19.90*	
		For Elevated Installation >30' To 35', Add	*22.75*	
		For Elevated Installation >35' To 40', Add	*28.44*	
		For Elevated Installation >40', Add	*31.28*	
		For Work In Restricted Working Space, Add	*17.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2607	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	79.73	26.06
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
		For Work In Restricted Working Space, Add	*19.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-2608	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	97.53	30.32
		For Elevated Installation >10' To 15', Add	*7.58*	
		For Elevated Installation >15' To 20', Add	*15.16*	
		For Elevated Installation >20' To 25', Add	*18.95*	
		For Elevated Installation >25' To 30', Add	*26.53*	
		For Elevated Installation >30' To 35', Add	*30.32*	
		For Elevated Installation >35' To 40', Add	*37.91*	
		For Elevated Installation >40', Add	*41.70*	
		For Work In Restricted Working Space, Add	*22.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.74*	
26 05 33 13-2609	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	125.46	34.59
		For Elevated Installation >10' To 15', Add	*8.65*	
		For Elevated Installation >15' To 20', Add	*17.30*	
		For Elevated Installation >20' To 25', Add	*21.62*	
		For Elevated Installation >25' To 30', Add	*30.27*	
		For Elevated Installation >30' To 35', Add	*34.59*	
		For Elevated Installation >35' To 40', Add	*43.24*	
		For Elevated Installation >40', Add	*47.56*	
		For Work In Restricted Working Space, Add	*25.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.94*	
26 05 33 13-2610	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	142.57	37.91
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Work In Restricted Working Space, Add	*28.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-2611	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	193.74	45.49
		For Elevated Installation >10' To 15', Add	*11.37*	
		For Elevated Installation >15' To 20', Add	*22.75*	
		For Elevated Installation >20' To 25', Add	*28.43*	
		For Elevated Installation >25' To 30', Add	*39.81*	
		For Elevated Installation >30' To 35', Add	*45.49*	
		For Elevated Installation >35' To 40', Add	*56.87*	
		For Elevated Installation >40', Add	*62.55*	
		For Work In Restricted Working Space, Add	*34.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.12*	
26 05 33 13-2612	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	323.70	63.97
		For Elevated Installation >10' To 15', Add	*15.99*	
		For Elevated Installation >15' To 20', Add	*31.99*	
		For Elevated Installation >20' To 25', Add	*39.98*	
		For Elevated Installation >25' To 30', Add	*55.98*	
		For Elevated Installation >30' To 35', Add	*63.97*	
		For Elevated Installation >35' To 40', Add	*79.97*	
		For Elevated Installation >40', Add	*87.96*	
		For Work In Restricted Working Space, Add	*47.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.98*	
26 05 33 13-2613	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	457.55	85.29
		For Elevated Installation >10' To 15', Add	*21.32*	
		For Elevated Installation >15' To 20', Add	*42.65*	
		For Elevated Installation >20' To 25', Add	*53.31*	
		For Elevated Installation >25' To 30', Add	*74.63*	
		For Elevated Installation >30' To 35', Add	*85.30*	
		For Elevated Installation >35' To 40', Add	*106.62*	
		For Elevated Installation >40', Add	*117.28*	
		For Work In Restricted Working Space, Add	*63.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.97*	
26 05 33 13-2614	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	628.22	106.61
		For Elevated Installation >10' To 15', Add	*26.65*	
		For Elevated Installation >15' To 20', Add	*53.31*	
		For Elevated Installation >20' To 25', Add	*66.63*	
		For Elevated Installation >25' To 30', Add	*93.29*	
		For Elevated Installation >30' To 35', Add	*106.61*	
		For Elevated Installation >35' To 40', Add	*133.27*	
		For Elevated Installation >40', Add	*146.59*	
		For Work In Restricted Working Space, Add	*79.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.96*	
26 05 33 13-2615	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	752.29	129.83
		For Elevated Installation >10' To 15', Add	*32.46*	
		For Elevated Installation >15' To 20', Add	*64.92*	
		For Elevated Installation >20' To 25', Add	*81.15*	
		For Elevated Installation >25' To 30', Add	*113.61*	
		For Elevated Installation >30' To 35', Add	*129.84*	
		For Elevated Installation >35' To 40', Add	*162.30*	
		For Elevated Installation >40', Add	*178.52*	
		For Work In Restricted Working Space, Add	*97.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.38*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2616			Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*		
26 05 33 13-2617		EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	71.51	22.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-2618		EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	80.54	26.06
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-2619		EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	101.74	30.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.74*	
26 05 33 13-2620		EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	128.27	34.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.94*	
26 05 33 13-2621		EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	146.01	37.91
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-2622		EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	186.67	45.49
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.12*	
26 05 33 13-2623		EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	284.43	63.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.98*	
26 05 33 13-2624		EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	386.94	85.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.97*	
26 05 33 13-2625		EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	669.80	106.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.96*	
26 05 33 13-2626		EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	782.96	129.83
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.38*	
26 05 33 13-2627			Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*		
26 05 33 13-2628		EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	84.78	26.06
			For Elevated Installation >10' To 15', Add	*6.52*	
			For Elevated Installation >15' To 20', Add	*13.03*	
			For Elevated Installation >20' To 25', Add	*16.29*	
			For Elevated Installation >25' To 30', Add	*22.80*	
			For Elevated Installation >30' To 35', Add	*26.06*	
			For Elevated Installation >35' To 40', Add	*32.58*	
			For Elevated Installation >40', Add	*35.83*	
			For Work In Restricted Working Space, Add	*19.55*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-2629		EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	99.96	30.32
			For Elevated Installation >10' To 15', Add	*7.70*	
			For Elevated Installation >15' To 20', Add	*15.40*	
			For Elevated Installation >20' To 25', Add	*19.25*	
			For Elevated Installation >25' To 30', Add	*26.95*	
			For Elevated Installation >30' To 35', Add	*30.80*	
			For Elevated Installation >35' To 40', Add	*38.50*	
			For Elevated Installation >40', Add	*42.35*	
			For Work In Restricted Working Space, Add	*23.10*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.10*	
26 05 33 13-2630		EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	117.65	33.17
			For Elevated Installation >10' To 15', Add	*8.29*	
			For Elevated Installation >15' To 20', Add	*16.59*	
			For Elevated Installation >20' To 25', Add	*20.73*	
			For Elevated Installation >25' To 30', Add	*29.03*	
			For Elevated Installation >30' To 35', Add	*33.17*	
			For Elevated Installation >35' To 40', Add	*41.47*	
			For Elevated Installation >40', Add	*45.61*	
			For Work In Restricted Working Space, Add	*24.88*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.88*	
26 05 33 13-2631		EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	147.38	37.91
			For Elevated Installation >10' To 15', Add	*9.36*	
			For Elevated Installation >15' To 20', Add	*18.72*	
			For Elevated Installation >20' To 25', Add	*23.40*	
			For Elevated Installation >25' To 30', Add	*32.75*	
			For Elevated Installation >30' To 35', Add	*37.43*	
			For Elevated Installation >35' To 40', Add	*46.79*	
			For Elevated Installation >40', Add	*51.47*	
			For Work In Restricted Working Space, Add	*28.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.07*	
26 05 33 13-2632		EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	168.90	41.70
			For Elevated Installation >10' To 15', Add	*10.43*	
			For Elevated Installation >15' To 20', Add	*20.85*	
			For Elevated Installation >20' To 25', Add	*26.06*	
			For Elevated Installation >25' To 30', Add	*36.49*	
			For Elevated Installation >30' To 35', Add	*41.70*	
			For Elevated Installation >35' To 40', Add	*52.13*	
			For Elevated Installation >40', Add	*57.34*	
			For Work In Restricted Working Space, Add	*31.28*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.28*	
26 05 33 13-2633		EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	223.29	48.81
			For Elevated Installation >10' To 15', Add	*12.20*	
			For Elevated Installation >15' To 20', Add	*24.40*	
			For Elevated Installation >20' To 25', Add	*30.50*	
			For Elevated Installation >25' To 30', Add	*42.70*	
			For Elevated Installation >30' To 35', Add	*48.80*	
			For Elevated Installation >35' To 40', Add	*61.01*	
			For Elevated Installation >40', Add	*67.11*	
			For Work In Restricted Working Space, Add	*36.60*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2634	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	283.95	71.08
		For Elevated Installation >10' To 15', Add	*17.77*	
		For Elevated Installation >15' To 20', Add	*35.54*	
		For Elevated Installation >20' To 25', Add	*44.42*	
		For Elevated Installation >25' To 30', Add	*62.19*	
		For Elevated Installation >30' To 35', Add	*71.08*	
		For Elevated Installation >35' To 40', Add	*88.85*	
		For Elevated Installation >40', Add	*97.73*	
		For Work In Restricted Working Space, Add	*53.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.31*	
26 05 33 13-2635	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	407.58	92.40
		For Elevated Installation >10' To 15', Add	*23.10*	
		For Elevated Installation >15' To 20', Add	*46.20*	
		For Elevated Installation >20' To 25', Add	*57.75*	
		For Elevated Installation >25' To 30', Add	*80.85*	
		For Elevated Installation >30' To 35', Add	*92.40*	
		For Elevated Installation >35' To 40', Add	*115.50*	
		For Elevated Installation >40', Add	*127.05*	
		For Work In Restricted Working Space, Add	*69.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.30*	
26 05 33 13-2636	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	706.78	113.72
		For Elevated Installation >10' To 15', Add	*28.43*	
		For Elevated Installation >15' To 20', Add	*56.86*	
		For Elevated Installation >20' To 25', Add	*71.08*	
		For Elevated Installation >25' To 30', Add	*99.51*	
		For Elevated Installation >30' To 35', Add	*113.72*	
		For Elevated Installation >35' To 40', Add	*142.15*	
		For Elevated Installation >40', Add	*156.37*	
		For Work In Restricted Working Space, Add	*85.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.29*	
26 05 33 13-2637	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	818.51	136.95
		For Elevated Installation >10' To 15', Add	*34.35*	
		For Elevated Installation >15' To 20', Add	*68.71*	
		For Elevated Installation >20' To 25', Add	*85.89*	
		For Elevated Installation >25' To 30', Add	*120.24*	
		For Elevated Installation >30' To 35', Add	*137.42*	
		For Elevated Installation >35' To 40', Add	*171.77*	
		For Elevated Installation >40', Add	*188.95*	
		For Work In Restricted Working Space, Add	*103.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.06*	

26 05 33 13-2638 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2639	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	68.96	22.74
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.37*	
		For Elevated Installation >20' To 25', Add	*14.22*	
		For Elevated Installation >25' To 30', Add	*19.90*	
		For Elevated Installation >30' To 35', Add	*22.74*	
		For Elevated Installation >35' To 40', Add	*28.43*	
		For Elevated Installation >40', Add	*31.27*	
		For Work In Restricted Working Space, Add	*17.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.06*	
26 05 33 13-2640	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	83.29	26.06
		For Elevated Installation >10' To 15', Add	*6.52*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.29*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.06*	
		For Elevated Installation >35' To 40', Add	*32.58*	
		For Elevated Installation >40', Add	*35.83*	
		For Work In Restricted Working Space, Add	*19.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.55*	
26 05 33 13-2641	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	97.35	29.85
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.93*	
		For Elevated Installation >20' To 25', Add	*18.66*	
		For Elevated Installation >25' To 30', Add	*26.12*	
		For Elevated Installation >30' To 35', Add	*29.86*	
		For Elevated Installation >35' To 40', Add	*37.32*	
		For Elevated Installation >40', Add	*41.05*	
		For Work In Restricted Working Space, Add	*22.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.39*	
26 05 33 13-2642	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	130.64	34.59
		For Elevated Installation >10' To 15', Add	*8.65*	
		For Elevated Installation >15' To 20', Add	*17.30*	
		For Elevated Installation >20' To 25', Add	*21.62*	
		For Elevated Installation >25' To 30', Add	*30.27*	
		For Elevated Installation >30' To 35', Add	*34.59*	
		For Elevated Installation >35' To 40', Add	*43.24*	
		For Elevated Installation >40', Add	*47.56*	
		For Work In Restricted Working Space, Add	*25.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2643	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	152.29	37.91
		For Elevated Installation >10' To 15', Add	*9.48*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.69*	
		For Elevated Installation >25' To 30', Add	*33.17*	
		For Elevated Installation >30' To 35', Add	*37.90*	
		For Elevated Installation >35' To 40', Add	*47.38*	
		For Elevated Installation >40', Add	*52.12*	
		For Work In Restricted Working Space, Add	*28.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.43*	
26 05 33 13-2644	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	196.51	45.49
		For Elevated Installation >10' To 15', Add	*11.37*	
		For Elevated Installation >15' To 20', Add	*22.74*	
		For Elevated Installation >20' To 25', Add	*28.43*	
		For Elevated Installation >25' To 30', Add	*39.80*	
		For Elevated Installation >30' To 35', Add	*45.49*	
		For Elevated Installation >35' To 40', Add	*56.86*	
		For Elevated Installation >40', Add	*62.55*	
		For Work In Restricted Working Space, Add	*34.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.12*	
26 05 33 13-2645	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	442.16	120.00
		For Elevated Installation >10' To 15', Add	*29.99*	
		For Elevated Installation >15' To 20', Add	*59.97*	
		For Elevated Installation >20' To 25', Add	*74.97*	
		For Elevated Installation >25' To 30', Add	*104.95*	
		For Elevated Installation >30' To 35', Add	*119.95*	
		For Elevated Installation >35' To 40', Add	*149.94*	
		For Elevated Installation >40', Add	*164.93*	
		For Work In Restricted Working Space, Add	*89.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.96*	
26 05 33 13-2646	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	416.59	85.29
		For Elevated Installation >10' To 15', Add	*21.32*	
		For Elevated Installation >15' To 20', Add	*42.65*	
		For Elevated Installation >20' To 25', Add	*53.31*	
		For Elevated Installation >25' To 30', Add	*74.63*	
		For Elevated Installation >30' To 35', Add	*85.30*	
		For Elevated Installation >35' To 40', Add	*106.62*	
		For Elevated Installation >40', Add	*117.28*	
		For Work In Restricted Working Space, Add	*63.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.97*	
26 05 33 13-2647	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	669.80	106.61
		For Elevated Installation >10' To 15', Add	*26.65*	
		For Elevated Installation >15' To 20', Add	*53.31*	
		For Elevated Installation >20' To 25', Add	*66.63*	
		For Elevated Installation >25' To 30', Add	*93.29*	
		For Elevated Installation >30' To 35', Add	*106.61*	
		For Elevated Installation >35' To 40', Add	*133.27*	
		For Elevated Installation >40', Add	*146.59*	
		For Work In Restricted Working Space, Add	*79.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.96*	
26 05 33 13-2648	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	782.94	129.83
		For Elevated Installation >10' To 15', Add	*32.46*	
		For Elevated Installation >15' To 20', Add	*64.91*	
		For Elevated Installation >20' To 25', Add	*81.14*	
		For Elevated Installation >25' To 30', Add	*113.60*	
		For Elevated Installation >30' To 35', Add	*129.83*	
		For Elevated Installation >35' To 40', Add	*162.29*	
		For Elevated Installation >40', Add	*178.51*	
		For Work In Restricted Working Space, Add	*97.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.37*	

26 05 33 13-2649 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2650	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	96.39	29.85
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.93*	
		For Elevated Installation >20' To 25', Add	*18.66*	
		For Elevated Installation >25' To 30', Add	*26.12*	
		For Elevated Installation >30' To 35', Add	*29.85*	
		For Elevated Installation >35' To 40', Add	*37.32*	
		For Elevated Installation >40', Add	*41.05*	
		For Work In Restricted Working Space, Add	*22.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.39*	
26 05 33 13-2651	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	105.50	33.17
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.59*	
		For Elevated Installation >20' To 25', Add	*20.73*	
		For Elevated Installation >25' To 30', Add	*29.03*	
		For Elevated Installation >30' To 35', Add	*33.17*	
		For Elevated Installation >35' To 40', Add	*41.47*	
		For Elevated Installation >40', Add	*45.61*	
		For Work In Restricted Working Space, Add	*24.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2652	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	122.20	36.49
		For Elevated Installation >10' To 15', Add	*9.12*	
		For Elevated Installation >15' To 20', Add	*18.24*	
		For Elevated Installation >20' To 25', Add	*22.81*	
		For Elevated Installation >25' To 30', Add	*31.93*	
		For Elevated Installation >30' To 35', Add	*36.49*	
		For Elevated Installation >35' To 40', Add	*45.61*	
		For Elevated Installation >40', Add	*50.17*	
		For Work In Restricted Working Space, Add	*27.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.37*	
26 05 33 13-2653	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	145.15	41.70
		For Elevated Installation >10' To 15', Add	*10.43*	
		For Elevated Installation >15' To 20', Add	*20.85*	
		For Elevated Installation >20' To 25', Add	*26.06*	
		For Elevated Installation >25' To 30', Add	*36.49*	
		For Elevated Installation >30' To 35', Add	*41.70*	
		For Elevated Installation >35' To 40', Add	*52.13*	
		For Elevated Installation >40', Add	*57.34*	
		For Work In Restricted Working Space, Add	*31.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.28*	
26 05 33 13-2654	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	167.09	45.49
		For Elevated Installation >10' To 15', Add	*11.37*	
		For Elevated Installation >15' To 20', Add	*22.74*	
		For Elevated Installation >20' To 25', Add	*28.43*	
		For Elevated Installation >25' To 30', Add	*39.80*	
		For Elevated Installation >30' To 35', Add	*45.49*	
		For Elevated Installation >35' To 40', Add	*56.86*	
		For Elevated Installation >40', Add	*62.55*	
		For Work In Restricted Working Space, Add	*34.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.12*	
26 05 33 13-2655	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	232.70	55.91
		For Elevated Installation >10' To 15', Add	*13.98*	
		For Elevated Installation >15' To 20', Add	*27.96*	
		For Elevated Installation >20' To 25', Add	*34.95*	
		For Elevated Installation >25' To 30', Add	*48.92*	
		For Elevated Installation >30' To 35', Add	*55.91*	
		For Elevated Installation >35' To 40', Add	*69.89*	
		For Elevated Installation >40', Add	*76.88*	
		For Work In Restricted Working Space, Add	*41.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.93*	
26 05 33 13-2656	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	370.83	81.97
		For Elevated Installation >10' To 15', Add	*20.49*	
		For Elevated Installation >15' To 20', Add	*40.99*	
		For Elevated Installation >20' To 25', Add	*51.24*	
		For Elevated Installation >25' To 30', Add	*71.73*	
		For Elevated Installation >30' To 35', Add	*81.98*	
		For Elevated Installation >35' To 40', Add	*102.47*	
		For Elevated Installation >40', Add	*112.72*	
		For Work In Restricted Working Space, Add	*61.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.48*	
26 05 33 13-2657	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	542.21	106.61
		For Elevated Installation >10' To 15', Add	*26.65*	
		For Elevated Installation >15' To 20', Add	*53.31*	
		For Elevated Installation >20' To 25', Add	*66.63*	
		For Elevated Installation >25' To 30', Add	*93.29*	
		For Elevated Installation >30' To 35', Add	*106.61*	
		For Elevated Installation >35' To 40', Add	*133.27*	
		For Elevated Installation >40', Add	*146.59*	
		For Work In Restricted Working Space, Add	*79.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.96*	
26 05 33 13-2658	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	806.03	131.73
		For Elevated Installation >10' To 15', Add	*32.93*	
		For Elevated Installation >15' To 20', Add	*65.86*	
		For Elevated Installation >20' To 25', Add	*82.33*	
		For Elevated Installation >25' To 30', Add	*115.26*	
		For Elevated Installation >30' To 35', Add	*131.73*	
		For Elevated Installation >35' To 40', Add	*164.66*	
		For Elevated Installation >40', Add	*181.13*	
		For Work In Restricted Working Space, Add	*98.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.80*	
26 05 33 13-2659	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	901.81	158.27
		For Elevated Installation >10' To 15', Add	*39.57*	
		For Elevated Installation >15' To 20', Add	*79.13*	
		For Elevated Installation >20' To 25', Add	*98.92*	
		For Elevated Installation >25' To 30', Add	*138.48*	
		For Elevated Installation >30' To 35', Add	*158.26*	
		For Elevated Installation >35' To 40', Add	*197.83*	
		For Elevated Installation >40', Add	*217.61*	
		For Work In Restricted Working Space, Add	*118.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.70*	

26 05 33 13-2660 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2547)*
Note: For use with Electrical Metallic Tubing (EMT)

26 05 33 13-2661 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2662	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	32.82	9.00
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2663	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	42.02	11.85
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2664	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	56.76	14.68
		For Work In Restricted Working Space, Add	*11.02*	
		For Elevated Installation >10' To 15', Add	*3.67*	
		For Elevated Installation >15' To 20', Add	*7.35*	
		For Elevated Installation >20' To 25', Add	*9.18*	
		For Elevated Installation >25' To 30', Add	*12.86*	
		For Elevated Installation >30' To 35', Add	*14.69*	
		For Elevated Installation >35' To 40', Add	*18.37*	
		For Elevated Installation >40', Add	*20.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.02*	
26 05 33 13-2665	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	73.51	18.00
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.00*	
		For Elevated Installation >20' To 25', Add	*11.26*	
		For Elevated Installation >25' To 30', Add	*15.76*	
		For Elevated Installation >30' To 35', Add	*18.01*	
		For Elevated Installation >35' To 40', Add	*22.51*	
		For Elevated Installation >40', Add	*24.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.51*	
26 05 33 13-2666	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	96.43	20.85
		For Work In Restricted Working Space, Add	*15.64*	
		For Elevated Installation >10' To 15', Add	*5.21*	
		For Elevated Installation >15' To 20', Add	*10.42*	
		For Elevated Installation >20' To 25', Add	*13.03*	
		For Elevated Installation >25' To 30', Add	*18.24*	
		For Elevated Installation >30' To 35', Add	*20.85*	
		For Elevated Installation >35' To 40', Add	*26.06*	
		For Elevated Installation >40', Add	*28.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.64*	
26 05 33 13-2667	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	127.43	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	

26 05 33 13-2668 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2669	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	33.11	9.00
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2670	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	43.11	11.85
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2671	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.97	14.68
		For Work In Restricted Working Space, Add	*11.02*	
		For Elevated Installation >10' To 15', Add	*3.67*	
		For Elevated Installation >15' To 20', Add	*7.35*	
		For Elevated Installation >20' To 25', Add	*9.18*	
		For Elevated Installation >25' To 30', Add	*12.86*	
		For Elevated Installation >30' To 35', Add	*14.69*	
		For Elevated Installation >35' To 40', Add	*18.37*	
		For Elevated Installation >40', Add	*20.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.02*	
26 05 33 13-2672	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	73.19	18.00
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.00*	
		For Elevated Installation >20' To 25', Add	*11.26*	
		For Elevated Installation >25' To 30', Add	*15.76*	
		For Elevated Installation >30' To 35', Add	*18.01*	
		For Elevated Installation >35' To 40', Add	*22.51*	
		For Elevated Installation >40', Add	*24.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.51*	
26 05 33 13-2673	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	90.13	20.85
		For Work In Restricted Working Space, Add	*15.64*	
		For Elevated Installation >10' To 15', Add	*5.21*	
		For Elevated Installation >15' To 20', Add	*10.42*	
		For Elevated Installation >20' To 25', Add	*13.03*	
		For Elevated Installation >25' To 30', Add	*18.24*	
		For Elevated Installation >30' To 35', Add	*20.85*	
		For Elevated Installation >35' To 40', Add	*26.06*	
		For Elevated Installation >40', Add	*28.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.64*	
26 05 33 13-2674	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	126.89	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	
26 05 33 13-2675		Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*		
26 05 33 13-2676	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	42.61	11.85
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2677	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	55.46	14.68
		For Work In Restricted Working Space, Add	*11.02*	
		For Elevated Installation >10' To 15', Add	*3.67*	
		For Elevated Installation >15' To 20', Add	*7.35*	
		For Elevated Installation >20' To 25', Add	*9.18*	
		For Elevated Installation >25' To 30', Add	*12.86*	
		For Elevated Installation >30' To 35', Add	*14.69*	
		For Elevated Installation >35' To 40', Add	*18.37*	
		For Elevated Installation >40', Add	*20.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.02*	
26 05 33 13-2678	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	66.91	18.00
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.00*	
		For Elevated Installation >20' To 25', Add	*11.26*	
		For Elevated Installation >25' To 30', Add	*15.76*	
		For Elevated Installation >30' To 35', Add	*18.01*	
		For Elevated Installation >35' To 40', Add	*22.51*	
		For Elevated Installation >40', Add	*24.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.51*	
26 05 33 13-2679	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	92.28	20.85
		For Work In Restricted Working Space, Add	*16.35*	
		For Elevated Installation >10' To 15', Add	*5.45*	
		For Elevated Installation >15' To 20', Add	*10.90*	
		For Elevated Installation >20' To 25', Add	*13.62*	
		For Elevated Installation >25' To 30', Add	*19.07*	
		For Elevated Installation >30' To 35', Add	*21.80*	
		For Elevated Installation >35' To 40', Add	*27.25*	
		For Elevated Installation >40', Add	*29.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2680	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	118.14	23.70
		For Work In Restricted Working Space, Add	*19.19*	
		For Elevated Installation >10' To 15', Add	*6.40*	
		For Elevated Installation >15' To 20', Add	*12.79*	
		For Elevated Installation >20' To 25', Add	*15.99*	
		For Elevated Installation >25' To 30', Add	*22.39*	
		For Elevated Installation >30' To 35', Add	*25.59*	
		For Elevated Installation >35' To 40', Add	*31.99*	
		For Elevated Installation >40', Add	*35.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 05 33 13-2681	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	158.57	26.53
		For Work In Restricted Working Space, Add	*22.03*	
		For Elevated Installation >10' To 15', Add	*7.34*	
		For Elevated Installation >15' To 20', Add	*14.69*	
		For Elevated Installation >20' To 25', Add	*18.36*	
		For Elevated Installation >25' To 30', Add	*25.70*	
		For Elevated Installation >30' To 35', Add	*29.38*	
		For Elevated Installation >35' To 40', Add	*36.72*	
		For Elevated Installation >40', Add	*40.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.03*	

26 05 33 13-2682 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2683	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	34.03	9.00
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-2684	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	45.52	11.85
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.81*	
		For Elevated Installation >40', Add	*16.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.88*	
26 05 33 13-2685	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	58.13	14.68
		For Work In Restricted Working Space, Add	*11.02*	
		For Elevated Installation >10' To 15', Add	*3.67*	
		For Elevated Installation >15' To 20', Add	*7.35*	
		For Elevated Installation >20' To 25', Add	*9.18*	
		For Elevated Installation >25' To 30', Add	*12.86*	
		For Elevated Installation >30' To 35', Add	*14.69*	
		For Elevated Installation >35' To 40', Add	*18.37*	
		For Elevated Installation >40', Add	*20.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.02*	
26 05 33 13-2686	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	75.15	18.00
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15', Add	*4.50*	
		For Elevated Installation >15' To 20', Add	*9.00*	
		For Elevated Installation >20' To 25', Add	*11.26*	
		For Elevated Installation >25' To 30', Add	*15.76*	
		For Elevated Installation >30' To 35', Add	*18.01*	
		For Elevated Installation >35' To 40', Add	*22.51*	
		For Elevated Installation >40', Add	*24.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.51*	
26 05 33 13-2687	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	91.26	20.85
		For Work In Restricted Working Space, Add	*15.64*	
		For Elevated Installation >10' To 15', Add	*5.21*	
		For Elevated Installation >15' To 20', Add	*10.42*	
		For Elevated Installation >20' To 25', Add	*13.03*	
		For Elevated Installation >25' To 30', Add	*18.24*	
		For Elevated Installation >30' To 35', Add	*20.85*	
		For Elevated Installation >35' To 40', Add	*26.06*	
		For Elevated Installation >40', Add	*28.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.64*	
26 05 33 13-2688	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	137.40	23.70
		For Work In Restricted Working Space, Add	*17.77*	
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.85*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.62*	
		For Elevated Installation >40', Add	*32.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.77*	

26 05 33 13-2689 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-2547)*

26 05 33 13-2690	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	169.11	25.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2691	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	632.33	47.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.00*	
26 05 33 13-2692	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	1,216.30	97.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.03*	
26 05 33 13-2693		Replacement Covers And Gaskets For Conduit Body *(26 05 33 13-2547)*		
26 05 33 13-2694		Replacement Stamped Aluminum Conduit Body Cover *(26 05 33 13-2693)*		
26 05 33 13-2695	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	12.15	4.62
26 05 33 13-2696	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	14.84	5.39
26 05 33 13-2697	EA	1" Replacement Stamped Aluminum Conduit Body Cover	19.01	6.93
26 05 33 13-2698	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	23.15	8.47
26 05 33 13-2699	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	28.43	10.01
26 05 33 13-2700	EA	2" Replacement Stamped Aluminum Conduit Body Cover	33.68	11.55
26 05 33 13-2701	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	44.50	13.09
26 05 33 13-2702	EA	3" Replacement Stamped Aluminum Conduit Body Cover	57.62	18.48
26 05 33 13-2703	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	62.56	20.79
26 05 33 13-2704	EA	4" Replacement Stamped Aluminum Conduit Body Cover	78.81	26.18
26 05 33 13-2705		Replacement Cast Steel Conduit Body Cover *(26 05 33 13-2693)*		
26 05 33 13-2706	EA	1/2" Replacement Cast Steel Conduit Body Cover	14.12	4.62
26 05 33 13-2707	EA	3/4" Replacement Cast Steel Conduit Body Cover	16.56	5.39
26 05 33 13-2708	EA	1" Replacement Cast Steel Conduit Body Cover	23.27	6.93
26 05 33 13-2709	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	28.91	8.47
26 05 33 13-2710	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	35.14	10.01
26 05 33 13-2711	EA	2" Replacement Cast Steel Conduit Body Cover	41.36	11.55
26 05 33 13-2712	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	47.54	13.09
26 05 33 13-2713	EA	3" Replacement Cast Steel Conduit Body Cover	64.82	18.48
26 05 33 13-2714	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	73.89	20.79
26 05 33 13-2715	EA	4" Replacement Cast Steel Conduit Body Cover	93.15	26.18
26 05 33 13-2716		Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2693)*		
26 05 33 13-2717	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	11.26	4.62
26 05 33 13-2718	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	12.86	5.39
26 05 33 13-2719	EA	1" Replacement Velbuna Composition Conduit Body Gasket	16.80	6.93
26 05 33 13-2720	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	21.81	8.47
26 05 33 13-2721	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	24.89	10.01
26 05 33 13-2722	EA	2" Replacement Velbuna Composition Conduit Body Gasket	29.59	11.55
26 05 33 13-2723	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	38.91	13.09
26 05 33 13-2724	EA	3" Replacement Velbuna Composition Conduit Body Gasket	50.64	18.48
26 05 33 13-2725	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	55.95	20.79
26 05 33 13-2726	EA	4" Replacement Velbuna Composition Conduit Body Gasket	66.61	26.18
26 05 33 13-2727		Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2693)*		
26 05 33 13-2728	EA	1/2" Replacement Neoprene Conduit Body Gasket	12.63	4.62
26 05 33 13-2729	EA	3/4" Replacement Neoprene Conduit Body Gasket	14.17	5.39
26 05 33 13-2730	EA	1" Replacement Neoprene Conduit Body Gasket	18.53	6.93
26 05 33 13-2731	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	22.69	8.47
26 05 33 13-2732	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	25.77	10.01
26 05 33 13-2733	EA	2" Replacement Neoprene Conduit Body Gasket	29.68	11.55
26 05 33 13-2734	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	39.12	13.09
26 05 33 13-2735	EA	3" Replacement Neoprene Conduit Body Gasket	50.85	18.48
26 05 33 13-2736	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	57.41	20.79
26 05 33 13-2737	EA	4" Replacement Neoprene Conduit Body Gasket	68.07	26.18
26 05 33 13-2738		Cutting Knockouts In-Place Metal Boxes Or Enclosures *(26 05 33 13-0058)*		
		Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2739	EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	19.61	
		For Work In Restricted Working Space, Add	*5.88*	
26 05 33 13-2740	EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	22.08	
		For Work In Restricted Working Space, Add	*6.62*	
26 05 33 13-2741	EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures	25.97	
		For Work In Restricted Working Space, Add	*7.79*	
26 05 33 13-2742	EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	28.82	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-2743	EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	32.47	
		For Work In Restricted Working Space, Add	*9.74*	
26 05 33 13-2744	EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	38.44	
		For Work In Restricted Working Space, Add	*11.53*	
26 05 33 13-2745	EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	45.45	
		For Work In Restricted Working Space, Add	*13.64*	
26 05 33 13-2746	EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures	51.95	
		For Work In Restricted Working Space, Add	*15.59*	
26 05 33 13-2747	EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	58.43	
		For Work In Restricted Working Space, Add	*17.53*	
26 05 33 13-2748	EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	64.92	
		For Work In Restricted Working Space, Add	*19.48*	
26 05 33 13-2749		Buried Pipe Or Conduit Wrap *(26 05 33 13)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2750		**All-Weather Corrosion Protection Tape For Pipe Or Conduit** *(26 05 33 13-2749)*		
		Note: Priced by the linear feet of pipe or conduit the tape is installed on.		
26 05 33 13-2751	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	2.76	
26 05 33 13-2752	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.18	
26 05 33 13-2753	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.68	
26 05 33 13-2754	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.23	
26 05 33 13-2755	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.82	
26 05 33 13-2756	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.79	
26 05 33 13-2757	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.43	
26 05 33 13-2758	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	7.09	
26 05 33 13-2759	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	8.82	
26 05 33 13-2760	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	10.19	
26 05 33 13-2761	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	11.56	
26 05 33 13-2762	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	2.78	
26 05 33 13-2763	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.30	
26 05 33 13-2764	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.85	
26 05 33 13-2765	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.44	
26 05 33 13-2766	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	5.09	
26 05 33 13-2767	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	6.17	
26 05 33 13-2768	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.03	
26 05 33 13-2769	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.95	
26 05 33 13-2770	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	9.99	
26 05 33 13-2771	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	11.66	
26 05 33 13-2772	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	13.31	
26 05 33 16		**Boxes for Electrical Systems** *(26 05 33)*		
		See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
26 05 33 16-0001		**Steel Junction, Device, And Fixture Boxes, Rings And Covers** *(26 05 33 16)*		
		Note: Thin wall metal. See CSI section 26 27 26 00-0005 for steel box/receptacle assemblies, 26 27 26 00-0134 for steel box/switch assemblies.		
26 05 33 16-0002		**4" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	41.29	19.45
		For Stud Bracket, Add	*0.59*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	42.37	19.45
		For Stud Bracket, Add	*1.05*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	46.09	19.45
		For Stud Bracket, Add	*1.15*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	31.23	12.97
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	27.47	12.97
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	14.11	6.48
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	14.28	6.48
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	14.40	6.48
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	14.81	6.48
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	14.93	6.48
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	16.21	6.48
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	14.59	6.48
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	14.72	6.48
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	14.87	6.48
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	16.19	6.48
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	16.46	6.48
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	18.13	6.48
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	15.24	6.48
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	16.30	6.48
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	14.58	6.48
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	14.67	6.48
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	14.55	6.48
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	14.83	6.48
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	15.07	6.48
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.02	6.48
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.03	6.48
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	18.02	6.48
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.03	6.48
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.72	6.48
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.02	6.48
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.02	6.48
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	13.73	6.48
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	45.29	19.45
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	42.84	19.45
		For Stud Bracket, Add	*0.55*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	55.15	19.45
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	32.26	12.97
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	32.86	12.97
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.56	6.48
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.59	6.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.63	6.48
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.21	6.48
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.12	6.48
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	21.47	6.48
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	17.39	6.48
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	17.61	6.48
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	17.63	6.48
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	19.17	6.48
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	19.49	6.48
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	23.21	6.48
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	17.19	6.48
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	17.30	6.48
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	20.18	6.48
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	20.99	6.48
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	19.94	6.48
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	19.06	6.48
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.01	6.48
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	20.98	6.48
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	20.98	6.48
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	20.98	6.48
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	14.39	6.48
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	20.58	9.73
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	14.69	6.49
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	23.19	9.73
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	24.53	9.73
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	34.37	16.20
		For Stud Bracket, Add	*1.42*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	35.32	16.20
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	13.67	6.48
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	56.16	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	59.44	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	62.22	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	64.94	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	70.15	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	75.50	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	79.84	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	14.98	6.48
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	47.80	16.20
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	52.33	17.51
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	62.10	19.45
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	78.96	21.39
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	112.72	23.34
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	62.43	16.20
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	67.93	17.51
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	88.43	19.45
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	111.71	21.39
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	177.47	23.34
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	20.58	6.48
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	20.83	6.48
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	23.65	6.48
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	28.50	6.48
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	39.13	6.48
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	18.16	6.48
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	20.80	6.48
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	24.31	6.48
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	28.77	6.48
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	39.89	6.48
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	36.20	16.20
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	36.61	16.20
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	38.72	16.20
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	43.47	16.20
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	43.88	16.20
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	50.31	16.20
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	34.27	16.20
		For Stud Bracket, Add	*2.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	34.71	16.20
		For Stud Bracket, Add	*0.99*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	35.68	16.20
		For Stud Bracket, Add	*1.34*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	22.11	9.72
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	21.67	9.72
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	7.44	3.24
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.52	3.24
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.11	3.24
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	7.14	3.24
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.97	3.24
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	7.14	3.24

26 05 33 16-0122 3-1/2" Depth, 3-3/4" Steel Masonry Boxes *(26 05 33 16-0001)*

26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	50.53	22.69
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	55.73	23.99
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	63.01	25.93
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	71.20	28.53

26 05 33 16-0127 Cast Boxes *(26 05 33 16)*

Note: For flush or surface mount.

26 05 33 16-0128 Cast Iron Alloy Boxes *(26 05 33 16-0127)*

See CSI section 26 27 26 00-0287 for box covers.

26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)*

Note: Up to 2" deep boxes.

26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	113.88	38.90
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	122.13	45.38
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	143.55	55.10
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	141.81	51.87
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	182.03	61.59
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	141.19	51.87
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	169.92	61.59
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	145.09	51.87
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	169.97	61.59
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	141.19	51.87
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	165.16	61.59
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	167.77	64.82
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	198.38	77.79
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	175.24	64.82
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	226.88	77.79
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	180.12	64.82
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	215.16	77.79
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	167.13	64.82
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	218.46	77.79
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	213.81	77.79
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	257.92	94.00

26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)*

Note: >2" deep boxes.

26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	119.38	38.90
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	137.40	45.38
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	161.17	55.10
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	151.87	51.87
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	175.09	61.59
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	210.38	74.55
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	188.81	61.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	243.13	77.79
26 05 33 16-0160		**Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	137.67	42.14
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	152.26	48.62
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	176.61	58.34
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	166.25	55.10
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	188.52	64.82
26 05 33 16-0166		**Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	154.19	42.14
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	167.80	48.62
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	191.12	55.10
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	214.79	64.82
26 05 33 16-0171		**Cast Aluminum Boxes** *(26 05 33 16-0127)* See CSI section 26 27 26 00-0287 for box covers.		
26 05 33 16-0172		**Shallow, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	100.91	32.42
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	115.32	38.90
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	127.41	48.62
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	94.50	32.42
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	119.84	38.90
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	127.47	45.38
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	153.06	55.10
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	192.22	68.07
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	138.62	45.38
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	147.63	55.10
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	132.28	45.38
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	151.42	55.10
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	128.18	45.38
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	151.42	55.10
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	118.72	45.38
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	161.48	55.10
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	151.18	58.34
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	183.63	71.31
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	160.98	58.34
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	217.59	71.31
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	160.16	58.34
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	196.55	71.31
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	199.46	71.31
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	195.27	71.31
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	238.28	87.52
26 05 33 16-0198		**Deep, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	112.28	32.42
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	134.50	38.90
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	153.79	48.62
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	144.89	38.90
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	142.17	45.38
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	171.11	55.10
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	190.52	68.07
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	173.52	55.10
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	211.70	71.31
26 05 33 16-0208		**Shallow, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	134.69	35.65
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	154.06	42.14
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	164.55	51.87
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	167.80	48.62
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	169.96	58.34
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	210.04	71.31
26 05 33 16-0215		**Deep, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	134.56	35.65
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	155.61	42.14
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	171.35	48.62
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	193.73	58.34
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	171.35	48.62
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	193.73	58.34
26 05 33 16-0222		**Shallow, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	179.73	51.87
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	201.20	61.59
26 05 33 16-0225		**Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	206.77	45.38
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	229.87	55.10
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	213.28	51.87
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	265.22	58.34
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	240.94	64.82
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	236.24	58.34
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	288.96	64.82
26 05 33 16-0234		**Non-Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0287 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	66.95	27.23
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	76.42	31.77
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	86.76	38.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	85.50	36.31
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	100.39	43.11
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	121.78	52.19
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	85.83	36.31
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	99.51	43.11
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	118.77	52.19
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	108.45	45.38
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	123.11	54.45
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	144.75	65.80
26 05 33 16-0248		**Deep, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	67.92	27.23
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	66.22	27.23
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	78.74	31.77
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	87.70	38.57
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	87.41	36.31
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	97.88	43.11
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	116.90	52.19
26 05 33 16-0256		**Shallow, Two Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	72.00	29.50
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	82.44	34.03
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	91.46	40.84
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	87.92	38.57
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	109.09	45.38
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	128.96	54.45
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	90.18	38.57
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	115.36	45.38
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	123.93	54.45
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	110.17	47.65
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	145.94	56.73
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	149.14	68.07
26 05 33 16-0269		**Poke Thru Units** *(26 05 33 16)*		
26 05 33 16-0270		**Surface Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	533.32	48.62
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	340.89	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	48.77	12.97
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	57.37	6.48
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	602.65	51.87
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	319.54	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	83.13	19.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	57.37	6.48
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	166.16	12.97
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	477.62	45.38
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	40.21	6.48
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	475.45	45.38
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	55.49	6.48
26 05 33 16-0284		**Recessed Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0285		**Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	846.57	51.87
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	846.67	51.87
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	807.39	51.87
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	807.39	51.87
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	846.57	51.87
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	846.57	51.87
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	774.22	51.87
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	488.79	48.62
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	523.45	48.62
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	526.88	48.62
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	151.91	25.93
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	339.54	12.97
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	339.54	12.97
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	282.71	12.97
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	41.18	3.24
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	21.21	6.48
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	24.29	6.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	21.12	6.48
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	21.18	6.48
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	21.05	6.48
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	24.62	6.48
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	24.37	6.48
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	24.93	6.48
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	20.75	6.48
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	20.77	6.48
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	20.50	6.48
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	20.50	6.48
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	48.15	9.72
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	18.88	6.48
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	19.32	6.48
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	147.50	11.66
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	24.09	6.48
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	25.04	6.48
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	25.72	6.48
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	40.13	12.97
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	46.26	16.20
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	50.67	16.20
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	38.64	12.97
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	24.88	6.48
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	24.88	6.48
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	26.15	6.48
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	27.00	6.48
26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,107.22	51.87
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,054.34	51.87
26 05 33 16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,119.19	51.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,044.39	51.87
26 05 33 16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,034.96	51.87
26 05 33 16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	628.70	48.62
26 05 33 16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	703.20	48.62
26 05 33 16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	180.98	25.93
26 05 33 16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	366.97	12.97
26 05 33 16-0338	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	366.97	12.97
26 05 33 16-0339	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	63.80	3.24
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	21.87	6.48
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.99	6.48
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.12	6.48
26 05 33 16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	25.43	6.48
26 05 33 16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	30.51	6.48
26 05 33 16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	30.47	6.48
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	21.25	6.48
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	21.51	6.48
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.25	6.48
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.25	6.48
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	30.06	6.48
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	25.28	6.48
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	28.94	6.48
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	40.13	12.97

26 05 33 23 Surface Raceways for Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	28.69	5.92
		For Combination Hinged Screw Cover, Add	*0.84*	
		For Concrete Or Masonry Surface, Add	*0.59*	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	23.88	8.88
		For Combination Hinged Screw Cover, Add	*0.31*	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	28.26	11.08
		For Combination Hinged Screw Cover, Add	*0.31*	
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	59.37	20.73
		For Combination Hinged Screw Cover, Add	*0.90*	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	95.04	20.73
		For Combination Hinged Screw Cover, Add	*2.68*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0009		EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	140.72	29.50
			For Combination Hinged Screw Cover, Add	*4.09*	
26 05 33 23-0010		EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	157.95	32.58
			For Combination Hinged Screw Cover, Add	*4.64*	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0012		LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	35.14	7.47
			For Combination Hinged Screw Cover, Add	*1.02*	
			For Concrete Or Masonry Surface, Add	*0.74*	
26 05 33 23-0013		LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	62.81	7.47
			For Combination Hinged Screw Cover, Add	*2.40*	
			For Concrete Or Masonry Surface, Add	*0.74*	
26 05 33 23-0014		EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	19.40	6.52
			For Combination Hinged Screw Cover, Add	*0.32*	
26 05 33 23-0015		EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	31.25	12.44
			For Combination Hinged Screw Cover, Add	*0.32*	
26 05 33 23-0016		EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	70.16	25.35
			For Combination Hinged Screw Cover, Add	*0.97*	
26 05 33 23-0017		EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	109.38	25.35
			For Combination Hinged Screw Cover, Add	*2.93*	
26 05 33 23-0018		EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	154.76	32.93
			For Combination Hinged Screw Cover, Add	*4.44*	
26 05 33 23-0019		EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	178.80	38.50
			For Combination Hinged Screw Cover, Add	*5.09*	

26 05 33 23-0020 6" x 6", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0021		LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	52.42	8.88
			For Combination Hinged Screw Cover, Add	*1.73*	
			For Concrete Or Masonry Surface, Add	*0.89*	
26 05 33 23-0022		LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	100.95	8.88
			For Combination Hinged Screw Cover, Add	*4.16*	
			For Concrete Or Masonry Surface, Add	*0.89*	
26 05 33 23-0023		EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	24.47	7.11
			For Combination Hinged Screw Cover, Add	*0.51*	
26 05 33 23-0024		EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	39.87	14.81
			For Combination Hinged Screw Cover, Add	*0.51*	
26 05 33 23-0025		EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	98.73	29.50
			For Combination Hinged Screw Cover, Add	*1.99*	
26 05 33 23-0026		EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	140.14	29.50
			For Combination Hinged Screw Cover, Add	*4.06*	
26 05 33 23-0027		EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	219.64	36.84
			For Combination Hinged Screw Cover, Add	*7.30*	
26 05 33 23-0028		EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	238.23	42.64
			For Combination Hinged Screw Cover, Add	*7.65*	

26 05 33 23-0029 8" x 8", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0030		LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	84.29	9.71
			For Combination Hinged Screw Cover, Add	*3.25*	
			For Concrete Or Masonry Surface, Add	*0.97*	
26 05 33 23-0031		LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	153.39	9.71
			For Combination Hinged Screw Cover, Add	*6.70*	
			For Concrete Or Masonry Surface, Add	*0.97*	
26 05 33 23-0032		EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	26.94	7.70
			For Combination Hinged Screw Cover, Add	*0.58*	
26 05 33 23-0033		EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	43.53	15.99
			For Combination Hinged Screw Cover, Add	*0.58*	
26 05 33 23-0034		EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	110.15	32.46
			For Combination Hinged Screw Cover, Add	*2.26*	
26 05 33 23-0035		EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	177.41	32.46
			For Combination Hinged Screw Cover, Add	*5.62*	
26 05 33 23-0036		EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	263.88	40.04
			For Combination Hinged Screw Cover, Add	*9.19*	
26 05 33 23-0037		EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	367.91	48.57
			For Combination Hinged Screw Cover, Add	*13.54*	

26 05 33 23-0038 10" x 10", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0039		LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	122.19	11.26
			For Combination Hinged Screw Cover, Add	*4.98*	
			For Concrete Or Masonry Surface, Add	*1.13*	
26 05 33 23-0040		LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	215.70	11.26
			For Combination Hinged Screw Cover, Add	*9.66*	
			For Concrete Or Masonry Surface, Add	*1.13*	
26 05 33 23-0041		EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	37.58	8.88
			For Combination Hinged Screw Cover, Add	*0.99*	
26 05 33 23-0042		EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	55.35	17.77
			For Combination Hinged Screw Cover, Add	*0.99*	
26 05 33 23-0043		EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	146.42	35.30
			For Combination Hinged Screw Cover, Add	*3.79*	
26 05 33 23-0044		EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	279.86	35.30
			For Combination Hinged Screw Cover, Add	*10.46*	
26 05 33 23-0045		EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	422.68	44.55
			For Combination Hinged Screw Cover, Add	*16.68*	
26 05 33 23-0046		EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	602.12	50.35
			For Combination Hinged Screw Cover, Add	*25.07*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0047		12" x 12", Wireway With Screw Cover *(26 05 33 23-0002)*		
26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	143.52	13.62
		For Combination Hinged Screw Cover, Add	*5.81*	
		For Concrete Or Masonry Surface, Add	*1.36*	
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	237.49	13.62
		For Combination Hinged Screw Cover, Add	*10.51*	
		For Concrete Or Masonry Surface, Add	*1.36*	
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	49.24	9.47
		For Combination Hinged Screw Cover, Add	*1.51*	
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	68.20	18.95
		For Combination Hinged Screw Cover, Add	*1.51*	
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	191.52	38.50
		For Combination Hinged Screw Cover, Add	*5.73*	
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	368.24	38.50
		For Combination Hinged Screw Cover, Add	*14.56*	
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	474.75	47.38
		For Combination Hinged Screw Cover, Add	*19.00*	
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	771.92	53.31
		For Combination Hinged Screw Cover, Add	*33.27*	
26 05 33 23-0056		Surface Metal Raceways *(26 05 33 23-0001)*		
		Note: Exposed on flat wall surface.		
26 05 33 23-0057		One Piece Surface Metal Raceways *(26 05 33 23-0056)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0058		3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) *(26 05 33 23-0057)*		
		Note: Available in ivory.		
26 05 33 23-0059	LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	5.20	1.77
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0060	EA	Bushing (Wiremold #502)	5.13	2.37
26 05 33 23-0061	EA	One Or Two Hole Strap (Wiremold #504)	5.17	2.37
26 05 33 23-0062	EA	Connection Cover (Wiremold #506)	5.36	2.37
26 05 33 23-0063	EA	Flat 90 Degree Elbow (Wiremold #511)	8.13	2.85
26 05 33 23-0064	EA	Flat 45 Degree Elbow (Wiremold #512)	13.41	2.96
26 05 33 23-0065	EA	Adjustable Internal Elbow (Wiremold #517)	10.12	3.56
26 05 33 23-0066	EA	Adjustable External Elbow (Wiremold #518)	9.90	3.56
26 05 33 23-0067		3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*		
		Note: Available in ivory and white.		
26 05 33 23-0068	LF	3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	6.59	2.37
		For Concrete Or Masonry Surface, Add	*0.24*	
26 05 33 23-0069	EA	Bushing (Wiremold #702)	5.26	2.37
26 05 33 23-0070	EA	One Or Two Hole Strap (Wiremold #704)	5.42	2.37
26 05 33 23-0071	EA	Connection Cover (Wiremold #706)	5.47	2.37
26 05 33 23-0072	EA	Flat 90 Degree Elbow (Wiremold #711)	12.01	4.74
26 05 33 23-0073	EA	Flat 45 Degree Elbow (Wiremold #712)	18.77	4.74
26 05 33 23-0074	EA	Adjustable Internal Elbow (Wiremold #717)	12.94	4.74
26 05 33 23-0075	EA	Adjustable External Elbow (Wiremold #718)	12.52	4.74
26 05 33 23-0076		One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*		
		Note: Available in ivory.		
26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	35.35	3.56
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	5.40	2.37
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	5.40	2.37
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	15.51	3.56
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	13.13	3.56
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	14.94	4.74
26 05 33 23-0083	EA	Tee (Wiremold #5715)	16.84	5.92
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	29.01	4.74
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	22.38	4.74
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	12.05	2.96
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	27.65	4.74
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	27.54	4.74
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	12.76	2.96
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	25.04	4.74
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	24.17	4.74
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	24.38	4.74
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	24.38	4.74
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	27.54	4.74
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	27.21	4.74
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	29.02	4.74
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	32.83	7.70
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	52.04	14.81
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	24.86	7.70
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	39.22	7.70
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	44.92	7.70
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	68.10	7.70
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	35.52	6.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	39.63	6.52
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	63.45	6.52
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	25.95	7.70
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	22.84	7.70
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	32.05	7.70
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	62.17	7.70
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	24.40	7.70
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	33.91	7.70
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	60.43	7.70
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	89.61	7.70
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	147.63	7.70
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	150.22	7.70
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	24.10	7.70
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	23.44	7.70
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	31.12	7.70
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	61.02	7.70
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	25.32	7.70
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	32.73	7.70
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	47.07	7.70
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	16.36	2.96
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	15.59	2.96
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	10.39	2.96
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	19.56	3.56
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	10.48	2.96
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	24.49	3.56
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	21.94	3.56
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	12.24	3.56
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	20.38	3.56
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	10.64	2.96
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	9.42	2.37
26 05 33 23-0134		**1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500)** *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	9.51	2.96
		For Concrete Or Masonry Surface, Add	*0.30*	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	5.92	2.37
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	7.02	2.96
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	7.94	3.56
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	30.71	11.26
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	31.72	11.26
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	34.09	11.26
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	33.89	11.26
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	30.58	7.70
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	31.53	7.70
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	61.78	14.81
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	32.46	7.70
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	39.68	7.70
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	38.93	7.70
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	18.82	3.56
26 05 33 23-0150		**2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600)** *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	16.25	5.33
		For Concrete Or Masonry Surface, Add	*0.53*	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	6.08	2.37
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	6.83	2.37
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	24.96	4.15
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	37.41	5.92
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	36.52	7.11
26 05 33 23-0157		**Two Piece Surface Metal Raceways** *(26 05 33 23-0056)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158		**1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)** *(26 05 33 23-0157)*		
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	8.90	2.96
		For Concrete Or Masonry Surface, Add	*0.30*	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	4.33	2.37
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	11.63	2.96
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	5.51	1.77
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	5.13	1.77
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	13.03	2.96
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	26.26	8.88
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	44.36	11.85
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	7.07	2.96
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	22.60	7.70
26 05 33 23-0169	EA	Tee (Wiremold #2015)	40.97	11.14
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC)	14.64	5.92
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048)	34.05	10.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2)	52.89	11.73
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H)	36.93	11.73
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089)	29.84	5.92
26 05 33 23-0175	EA	#2089E End Reducing Connector	12.39	2.96
26 05 33 23-0176		1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) *(26 05 33 23-0157)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	7.71	2.96
		For Concrete Or Masonry Surface, Add	*0.30*	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	8.43	2.96
		For Concrete Or Masonry Surface, Add	*0.30*	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C)	3.01	0.59
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC)	4.34	2.37
26 05 33 23-0181	EA	Coupling (Wiremold #2401)	11.56	2.96
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D)	9.35	2.96
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406)	5.20	1.77
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM)	38.17	8.88
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ)	36.60	8.88
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409)	9.93	2.37
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A)	25.38	8.88
26 05 33 23-0188	EA	Blank End (Wiremold #2410B)	7.14	2.96
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD)	7.23	2.96
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C)	38.00	8.88
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D)	36.49	8.88
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO)	59.10	8.88
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC)	45.54	8.88
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	28.34	8.88
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	44.72	8.88
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	40.16	8.77
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M)	27.07	8.88
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO)	47.89	8.77
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO)	45.59	8.77
26 05 33 23-0200	EA	Tee (Wiremold #2415M)	31.87	8.77
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D)	26.77	8.77
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO)	41.43	8.77
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	40.23	8.77
26 05 33 23-0204	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	44.94	8.77
26 05 33 23-0205	EA	Radiused External Coupling (Wiremold #2418FO)	44.23	8.77
26 05 33 23-0206	EA	Internal Coupling (Wiremold #2417M)	25.97	8.77
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	31.35	8.77
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	40.83	7.70
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	45.25	7.70
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	45.47	7.70
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	43.60	7.70
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	61.19	7.70
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	53.97	7.70
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	28.86	7.70
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	44.27	7.70
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	13.67	2.96
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	32.59	8.88
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	95.10	8.88
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	27.92	4.74
26 05 33 23-0220		2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) *(26 05 33 23-0157)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	15.27	5.33
		For Concrete Or Masonry Surface, Add	*0.53*	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	3.58	0.59
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	5.82	2.37
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	15.09	2.37
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	14.77	2.96
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	10.96	2.96
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	6.33	2.37
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	16.29	4.74
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	16.13	3.56
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	37.77	11.26
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	13.86	4.74
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	41.74	11.26
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	62.58	14.68
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	44.96	14.81
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	85.90	18.36
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	40.81	11.26
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	50.16	11.26
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	36.03	11.26
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	60.49	11.26
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	19.48	2.96
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	21.29	2.96
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	19.43	2.96
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	22.74	3.56
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	59.46	15.40
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	68.02	11.26
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	19.61	3.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	22.36	2.96
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	88.62	7.11
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	217.28	7.11
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	77.08	7.11
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	83.47	7.11
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	83.47	7.11
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	26.42	3.56

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	18.59	5.33
		For Concrete Or Masonry Surface, Add	*0.57*	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	6.48	0.59
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	3.17	0.59
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	7.09	2.96
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	18.50	3.56
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	8.79	3.56
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	8.94	3.56
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	36.60	7.70
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	19.58	4.74
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	75.19	18.24
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	69.76	14.81
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	82.21	14.81
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	76.12	18.36
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	101.03	18.36
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	111.96	18.36
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	116.35	18.36
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	138.69	18.36
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	139.12	18.36
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	62.10	18.36
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	110.02	18.36
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	68.69	18.36
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	58.61	18.36
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	92.04	18.36
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	106.60	18.36
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	89.64	7.70
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	95.02	7.70
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	95.02	7.70
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	126.87	7.70
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	27.02	7.70
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	81.35	3.56
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	97.25	7.70
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	26.71	7.70
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	31.10	7.70
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	30.24	5.92
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	140.81	18.36
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	127.00	18.36
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	127.00	18.36
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A)	103.48	34.94
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089)	63.48	18.36

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	27.07	6.52
		For Concrete Or Masonry Surface, Add	*0.65*	
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C)	7.76	1.77
26 05 33 23-0297	LF	Divider (Wiremold #6000DA)	8.15	1.77
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC)	8.21	2.96
26 05 33 23-0299	EA	Couplings (Wiremold #6001A)	22.73	5.92
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D)	10.50	2.96
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX)	29.07	7.70
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006)	27.61	7.70
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1)	28.94	7.70
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2)	31.64	7.70
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A)	45.99	11.26
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B)	49.90	17.77
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX)	92.81	17.77
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX)	94.35	17.06
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A)	134.30	18.36
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX)	96.25	20.14
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD)	166.88	20.14
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074)	160.94	17.77
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A)	174.05	17.77
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086)	107.14	41.23

26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	11.67	2.96
		For Concrete Or Masonry Surface, Add	*0.30*	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C)	5.74	0.59
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC)	5.70	2.37
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001)	12.69	2.96
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003)	6.15	1.77
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006)	7.75	1.77
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009)	11.13	2.96
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A)	31.14	8.88
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B)	10.08	2.96
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011)	35.88	7.70
26 05 33 23-0327	EA	Tee (Wiremold #AL2015)	48.71	11.14
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017)	32.38	5.92
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018)	32.31	5.92
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	53.02	11.73
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	121.38	10.54
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	54.49	10.54
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	111.95	11.73
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047)	56.39	10.54
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	99.08	11.73
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H)	43.04	11.73

26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400)

(26 05 33 23-0315)

26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	12.87	2.96
		For Concrete Or Masonry Surface, Add	*0.30*	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C)	5.80	0.59
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC)	7.62	2.37
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401)	14.52	2.96
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406)	9.85	1.77
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409)	8.69	2.37
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B)	10.99	2.96
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2)	23.91	8.88
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411)	42.65	8.88
26 05 33 23-0347	EA	Tee (Wiremold #AL2415)	46.40	8.77
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416)	54.30	8.77
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417)	42.50	8.77
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418)	45.67	8.77
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	38.17	8.88

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*

26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	23.55	5.33
		For Concrete Or Masonry Surface, Add	*0.53*	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	7.03	0.59
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D)	5.79	5.33
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC)	11.26	2.37
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301)	20.27	2.37
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D)	17.01	2.96
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309)	11.40	2.37
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B)	23.72	4.74
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1)	38.20	11.26
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311) Note: Includes two (2) AL3301 couplings.	118.12	14.68
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315) Note: Includes three (3) AL3301 couplings.	135.34	18.36
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316) Note: Includes four (4) AL3301 couplings.	153.30	18.36
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317) Note: Includes two (2) AL3301 couplings.	110.93	11.26
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318) Note: Includes two (2) AL3301 couplings.	111.05	11.26
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D)	24.51	3.56
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E)	24.35	3.56
26 05 33 23-0369	EA	GFCI/Surge Receptacle Cover (Wiremold #AL3346G)	24.09	3.56
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	24.16	2.96

26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) *(26 05 33 23-0315)*

26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	28.33	5.33
		For Concrete Or Masonry Surface, Add	*0.57*	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	11.66	0.59
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	6.83	0.59
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	9.38	2.96
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	7.88	2.96
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	7.82	2.96
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	18.35	3.56
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	16.24	3.56
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	20.24	3.56
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	21.34	4.74
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	22.90	4.74
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	23.25	4.74
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	22.54	4.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiemold #AL5211) Note: Includes two (2) pairs of AL5201 couplings.	117.68	14.81
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	92.62	18.36
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215) Note: Includes three (3) pairs of AL5201 couplings.	137.72	18.36
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216) Note: Includes four (4) pairs of AL5201 couplings.	151.06	18.36
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217) Note: Includes two (2) pairs of AL5201 couplings.	122.18	18.36
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A)	51.92	18.36
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N)	125.58	18.36
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218) Note: Includes two (2) pairs of AL5201 couplings.	123.24	18.36
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B)	26.42	3.56
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D)	31.30	3.56
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD)	37.14	3.56
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F)	34.84	3.56
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G)	32.17	3.56
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	30.17	7.70

26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)

(26 05 33 23-0315)

26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10)	25.23	5.33
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806)	12.06	3.56
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	21.15	4.74
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1)	22.73	4.74
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811) Note: Includes two (2) ALA01 couplings.	116.49	14.81
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815) Note: Includes three (3) ALA01 couplings.	120.19	18.36
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817) Note: Includes two (2) ALA01 couplings.	117.19	18.36
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	137.94	18.36
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	118.73	18.36

26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)

(26 05 33 23-0315)

26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	41.65	5.33
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806)	17.83	3.56
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	23.33	4.74
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2)	26.07	4.74
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	154.86	14.81
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	212.29	18.36
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	142.28	18.36
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	168.08	18.36
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	149.54	18.36

26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) *(26 05 33 23-0315)*

See CSI section 26 27 26 00-0012 for receptacles.

26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	8.99	0.59
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	7.99	2.96
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01)	19.85	3.56
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	16.81	3.56
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	45.66	14.81
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	54.35	18.36
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	51.11	14.81
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	21.78	3.56
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	23.27	3.56
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	24.25	3.56
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	23.33	3.56
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	23.47	3.56
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	24.27	3.56
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N)	24.92	3.56
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	32.14	3.56
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB)	30.17	3.56
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT)	34.88	3.56
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	22.30	3.56
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	33.67	3.56
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	30.75	3.56
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	24.86	3.56
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	31.04	3.56

26 05 33 23-0442 Surface Non-Metallic Raceways *(26 05 33 23-0001)*

Note: Exposed on flat wall surface.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0443		One Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)* Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444		7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) *(26 05 33 23-0443)*		
26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	6.65	2.37
		For Concrete Or Masonry Surface, Add	*0.24*	
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC)	5.14	2.37
26 05 33 23-0447	EA	Cover Clip (Wiremold #406)	5.40	2.37
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B)	10.41	4.74
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411)	12.00	4.74
26 05 33 23-0450	EA	Tee (Wiremold #415)	15.11	5.92
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417)	11.80	4.74
26 05 33 23-0452	EA	External Elbow (Wiremold #418)	11.80	4.74
26 05 33 23-0453		1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) *(26 05 33 23-0443)*		
26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	7.64	2.37
		For Concrete Or Masonry Surface, Add	*0.24*	
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC)	5.22	2.37
26 05 33 23-0456	EA	Cover Clip (Wiremold #806)	5.33	2.37
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2)	15.92	4.74
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B)	10.51	4.74
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811)	12.08	4.74
26 05 33 23-0460	EA	Tee (Wiremold #815)	15.18	5.92
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817)	11.85	4.74
26 05 33 23-0462	EA	External Elbow (Wiremold #818)	11.85	4.74
26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	13.32	4.74
26 05 33 23-0464		2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) *(26 05 33 23-0443)*		
26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	8.79	2.37
		For Concrete Or Masonry Surface, Add	*0.24*	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	9.34	2.37
		For Concrete Or Masonry Surface, Add	*0.24*	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	5.47	2.37
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	5.75	2.37
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	17.28	4.74
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	11.06	4.74
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	19.41	4.74
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	12.31	4.74
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	13.21	4.74
26 05 33 23-0474	EA	Tee (Wiremold #2315)	15.32	5.92
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	12.31	4.74
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	13.22	4.74
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	12.33	4.74
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	13.38	4.74
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	13.40	4.74
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	13.98	4.74
26 05 33 23-0481		One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) *(26 05 33 23-0443)*		
26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	14.85	4.15
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	24.24	4.74
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	24.37	4.74
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	22.02	4.74
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	25.47	4.74
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	23.97	4.74
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	26.01	4.74
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	22.15	7.70
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	25.19	7.70
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	23.04	7.70
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	27.63	7.70
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	32.95	7.70
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	31.26	7.70
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	28.35	7.70
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	21.69	7.70
26 05 33 23-0497		3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) *(26 05 33 23-0443)*		
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	6.24	2.37
		For Concrete Or Masonry Surface, Add	*0.24*	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	2.69	1.18
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	3.96	1.18
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	6.32	2.37
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	7.54	2.96
26 05 33 23-0503	EA	Tee (Wiremold #2715)	12.30	5.33
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	8.73	3.56
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	8.71	3.56
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	10.28	4.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0507		**1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800)** *(26 05 33 23-0443)*		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	8.09	2.96
		For Concrete Or Masonry Surface, Add	*0.30*	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	4.03	1.77
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	5.32	1.77
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	7.68	2.96
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	10.13	4.15
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	10.76	4.15
26 05 33 23-0514	EA	Tee (Wiremold #2815)	14.87	6.52
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	11.28	4.74
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	11.31	4.74
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	15.72	6.52
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	12.05	4.74
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	11.94	4.74
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	12.74	5.33
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	11.46	4.74
26 05 33 23-0522		**1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900)** *(26 05 33 23-0443)*		
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	9.84	3.56
		For Concrete Or Masonry Surface, Add	*0.36*	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	5.32	2.37
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	6.63	2.37
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	9.00	3.56
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	11.38	4.74
26 05 33 23-0528	EA	Tee (Wiremold #2915)	16.12	7.11
26 05 33 23-0529	EA	Radiused Tee (Wiremold #2915FO)	17.14	7.11
26 05 33 23-0530	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	12.38	4.74
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917)	12.58	5.33
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO)	13.62	5.33
26 05 33 23-0533	EA	External Elbow (Wiremold #2918)	12.56	5.33
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO)	13.91	5.33
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	12.74	5.33
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	14.15	5.92
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	13.81	5.92
26 05 33 23-0538		**Two Piece Surface Non-Metallic Raceways** *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0539		**5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)** *(26 05 33 23-0538)*		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	15.14	5.33
		For Concrete Or Masonry Surface, Add	*0.53*	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	14.45	5.33
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	26.06	5.33
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	21.47	5.33
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	2.00	0.59
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	7.83	0.59
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	4.91	0.59
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	14.21	5.92
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	7.88	2.96
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	10.43	3.56
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	15.18	5.92
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	14.29	5.92
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)	16.12	5.92
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)	29.46	11.85
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)	30.40	11.85
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)	25.91	11.26
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)	49.35	18.36
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)	34.79	14.81
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)	31.01	11.85
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)	21.44	8.88
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)	34.72	14.81
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)	31.26	11.85
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)	14.04	5.92
26 05 33 23-0563		**5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)** *(26 05 33 23-0538)*		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	16.47	5.33
		For Concrete Or Masonry Surface, Add	*0.53*	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)	5.44	0.59
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)	3.54	0.59
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)	6.54	2.96
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)	10.72	3.56
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)	9.16	3.56
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	8.27	3.56
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	60.68	18.36
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	30.21	11.26
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	58.38	18.36
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	52.85	14.81
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	61.23	18.36
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	63.93	18.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)	51.34	18.36
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	52.01	18.36
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	52.64	18.36
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	24.21	5.92
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	31.57	5.92
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	18.78	5.92
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)	53.91	18.36
26 05 33 23-0584		6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) *(26 05 33 23-0538)*		
26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	20.32	5.33
		For Concrete Or Masonry Surface, Add	*0.53*	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	7.11	0.59
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	7.52	2.96
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)	11.96	3.56
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)	8.69	3.56
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)	11.20	3.56
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	11.24	3.56
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)	11.30	3.56
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)	11.30	3.56
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)	11.19	3.56
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)	11.21	3.56
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)	11.13	3.56
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	11.16	3.56
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)	11.24	3.56
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)	11.02	3.56
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)	28.72	5.92
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	38.21	5.92
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	32.59	11.26
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	65.99	18.36
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	59.87	14.81
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	48.66	14.81
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	69.19	18.36
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO)	56.20	18.36
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	57.50	18.36
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	60.24	18.36
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574)	54.90	18.36
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	72.64	18.36
26 05 33 23-0612		Surface Cable Protection System *(26 05 33 23)*		
26 05 33 23-0613	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-3) Note: Modular interlocking design with hinged lid.	645.28	
26 05 33 23-0614	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-5) Note: Modular interlocking design with hinged lid.	486.61	

26 05 36 Cable Trays for Electrical Systems *(26 05)*

26 05 36 00-0001		Cable Trays *(26 05 36)* Note: Excludes supporting hangers.		
26 05 36 00-0002		Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)*		
26 05 36 00-0003		4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)*		
26 05 36 00-0004		4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.42	12.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.40*	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.00	13.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.69*	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	52.48	14.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.04*	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	58.46	15.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.58*	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	64.24	15.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.11*	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	78.34	18.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-6.32*	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	87.88	20.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-7.05*	
26 05 36 00-0012		6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.86	12.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.17*	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.31	12.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.45*	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.34	14.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.04	14.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.07*	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	57.22	15.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.44*	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	67.28	17.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.25*	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	73.50	19.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.73*	

26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.31	12.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.03*	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.52	12.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.11*	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.77	13.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.48*	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.16	13.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.86*	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	54.42	14.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.25*	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	59.32	15.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.64*	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	63.72	16.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.97*	

26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.12	11.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.95*	
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.93	11.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.01*	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.30	12.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.20*	
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.81	13.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.39*	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.71	13.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.58*	
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	51.64	14.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.99*	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	54.40	14.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.21*	

26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.59	11.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.92*	
26 05 36 00-0038	LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.26	11.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.96*	
26 05 36 00-0039	LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.62	12.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.15*	
26 05 36 00-0040	LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.71	12.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.31*	
26 05 36 00-0041	LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.44	12.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.37*	
26 05 36 00-0042	LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.21	13.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.57*	
26 05 36 00-0043	LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	49.24	14.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.72*	

26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0046	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	344.52	130.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.62*	
26 05 36 00-0047	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.87	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.14*	
26 05 36 00-0048	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	423.01	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.66*	
26 05 36 00-0049	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	529.33	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.21*	
26 05 36 00-0050	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	603.22	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.12*	
26 05 36 00-0051	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	720.36	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0052	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	830.84	296.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.39*	

26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	489.24	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.65*	
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.05	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.15*	
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	570.21	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.61*	
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	662.17	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.33*	
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	741.77	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.43*	
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	826.27	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.07*	
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	967.80	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.50*	

26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.80	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.00*	
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	581.07	163.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.48*	
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	627.89	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.53*	
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	753.39	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.14*	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	856.69	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.13*	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,005.67	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.64*	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,140.98	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.63*	

26 05 36 00-0069 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.48	94.26
		For 60 Degree Bend, Deduct	*-48.52*	
		For 30 Degree Bend, Deduct	*-86.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.80*	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	291.85	113.06
		For 60 Degree Bend, Deduct	*-52.99*	
		For 30 Degree Bend, Deduct	*-94.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.77*	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	323.66	129.66
		For 60 Degree Bend, Deduct	*-57.10*	
		For 30 Degree Bend, Deduct	*-102.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.56*	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	386.71	163.89
		For 60 Degree Bend, Deduct	*-64.81*	
		For 30 Degree Bend, Deduct	*-117.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.02*	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	480.62	200.70
		For 60 Degree Bend, Deduct	*-81.67*	
		For 30 Degree Bend, Deduct	*-147.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.34*	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	570.75	230.40
		For 60 Degree Bend, Deduct	*-100.02*	
		For 30 Degree Bend, Deduct	*-179.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	645.64	270.46
		For 60 Degree Bend, Deduct	*-109.37*	
		For 30 Degree Bend, Deduct	*-197.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.02*	

26 05 36 00-0077 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.80	97.24
		For 60 Degree Bend, Deduct	*-57.72*	
		For 30 Degree Bend, Deduct	*-101.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.68*	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.32	117.21
		For 60 Degree Bend, Deduct	*-63.74*	
		For 30 Degree Bend, Deduct	*-112.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.16*	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.74	135.36
		For 60 Degree Bend, Deduct	*-72.11*	
		For 30 Degree Bend, Deduct	*-127.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.30*	
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	442.36	172.84
		For 60 Degree Bend, Deduct	*-79.71*	
		For 30 Degree Bend, Deduct	*-142.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.83*	
26 05 36 00-0082	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	544.47	214.71
		For 60 Degree Bend, Deduct	*-97.39*	
		For 30 Degree Bend, Deduct	*-174.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.56*	
26 05 36 00-0083	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	638.27	249.07
		For 60 Degree Bend, Deduct	*-115.17*	
		For 30 Degree Bend, Deduct	*-205.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.08*	
26 05 36 00-0084	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	749.82	296.52
		For 60 Degree Bend, Deduct	*-133.79*	
		For 30 Degree Bend, Deduct	*-239.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.28*	

26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0086	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.78	100.36
		For 60 Degree Bend, Deduct	*-76.32*	
		For 30 Degree Bend, Deduct	*-132.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.42*	
26 05 36 00-0087	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	393.86	121.88
		For 60 Degree Bend, Deduct	*-83.26*	
		For 30 Degree Bend, Deduct	*-145.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.23*	
26 05 36 00-0088	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.56	141.45
		For 60 Degree Bend, Deduct	*-87.86*	
		For 30 Degree Bend, Deduct	*-154.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.27*	
26 05 36 00-0089	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	516.27	183.08
		For 60 Degree Bend, Deduct	*-100.17*	
		For 30 Degree Bend, Deduct	*-177.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.37*	
26 05 36 00-0090	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	607.28	230.40
		For 60 Degree Bend, Deduct	*-112.07*	
		For 30 Degree Bend, Deduct	*-199.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.53*	
26 05 36 00-0091	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	738.99	270.46
		For 60 Degree Bend, Deduct	*-140.18*	
		For 30 Degree Bend, Deduct	*-248.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.36*	
26 05 36 00-0092	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	866.33	327.39
		For 60 Degree Bend, Deduct	*-160.38*	
		For 30 Degree Bend, Deduct	*-285.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.35*	

26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0094		EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.74	129.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.57*	
26 05 36 00-0095		EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	408.13	148.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.47*	
26 05 36 00-0096		EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.54	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.31*	
26 05 36 00-0097		EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.46	200.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.12*	
26 05 36 00-0098		EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.24	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.32*	
26 05 36 00-0099		EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	627.88	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.18*	
26 05 36 00-0100		EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.31	296.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.96*	

26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0102		EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.29	135.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.56*	
26 05 36 00-0103		EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	487.62	155.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.80*	
26 05 36 00-0104		EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	525.49	172.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.14*	
26 05 36 00-0105		EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	607.82	214.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.89*	
26 05 36 00-0106		EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.77	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.03*	
26 05 36 00-0107		EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.36	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.28*	
26 05 36 00-0108		EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	857.34	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.45*	

26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0110		EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	536.35	141.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.86*	
26 05 36 00-0111		EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	584.49	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.81*	
26 05 36 00-0112		EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	620.50	183.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.79*	
26 05 36 00-0113		EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.69	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.27*	
26 05 36 00-0114		EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	795.09	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.97*	
26 05 36 00-0115		EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	910.00	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.07*	
26 05 36 00-0116		EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,026.03	365.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.14*	

26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0118		EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	667.55	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.00*	
26 05 36 00-0119		EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	722.18	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.68*	
26 05 36 00-0120		EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	757.56	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.20*	
26 05 36 00-0121		EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	846.51	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	960.16	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.23*	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,070.23	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.50*	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,211.23	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.57*	

26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	846.55	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.11*	
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	908.69	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.16*	
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	948.27	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.90*	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,039.31	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.14*	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,153.30	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.92*	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,241.38	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.58*	
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,503.15	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.40*	

26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,085.83	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.88*	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,160.01	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.72*	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,231.52	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.37*	
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,353.05	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.89*	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,535.27	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.52*	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,665.21	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.60*	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,873.17	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.20*	

26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	813.70	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.17*	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	832.59	239.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.30*	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	852.22	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.47*	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	895.54	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.01*	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	923.39	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.78*	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,001.03	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.17*	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,076.99	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0149		**24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,191.42	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.39*	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,219.87	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.38*	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,249.81	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.44*	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,315.72	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.87*	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,362.84	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.35*	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,442.57	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.47*	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,552.80	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.87*	
26 05 36 00-0157		**36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,901.82	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.64*	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,940.97	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.54*	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,982.81	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.58*	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,053.22	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.04*	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,102.11	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.42*	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,231.19	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-190.71*	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,341.80	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-197.18*	
26 05 36 00-0165		**12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	831.43	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.21*	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	873.58	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.07*	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	933.78	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.59*	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,002.39	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.72*	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,128.31	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.27*	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,263.92	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.39*	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,382.55	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.34*	
26 05 36 00-0173		**24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,182.52	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.47*	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,236.05	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.08*	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,292.75	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,377.06	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.15*	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,529.53	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.03*	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,644.53	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.23*	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,846.79	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.57*	

26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,496.27	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.21*	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,576.80	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.12*	
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,663.41	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.34*	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,815.96	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-141.68*	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,072.92	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.18*	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,260.47	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-174.27*	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,472.61	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-189.59*	

26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	972.20	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.29*	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,021.32	327.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.84*	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,094.80	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.70*	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,179.00	366.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.37*	
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,325.05	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.95*	
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,500.00	444.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.98*	
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,644.44	478.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.57*	

26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,455.57	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.77*	
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,517.59	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.24*	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,582.76	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.86*	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,685.72	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.02*	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,858.55	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.94*	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,995.59	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.34*	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,253.82	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.27*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0205		36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,877.86	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.37*	
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,975.36	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.98*	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,078.92	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.89*	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,273.87	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-187.47*	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,581.71	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-211.06*	
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,811.66	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-229.39*	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	3,066.20	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-248.94*	
26 05 36 00-0213		6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0214		12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	326.26	130.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.79*	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.15	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.17*	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	401.56	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.51*	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	501.50	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.42*	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	571.91	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.99*	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	679.19	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.31*	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	782.72	296.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.57*	
26 05 36 00-0222		24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	451.55	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.88*	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	492.20	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.26*	
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	529.91	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.58*	
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	618.69	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.98*	
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	695.09	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.76*	
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	775.53	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.00*	
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	907.50	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.47*	
26 05 36 00-0230		36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.05	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	537.01	163.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.07*	
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	581.79	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.92*	
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	700.63	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.86*	
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.71	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.33*	
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	936.09	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.68*	
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,065.03	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.04*	

26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.27	94.26
		For 60 Degree Bend, Deduct	*-43.83*	
		For 30 Degree Bend, Deduct	*-78.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.38*	
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.06	113.06
		For 60 Degree Bend, Deduct	*-48.11*	
		For 30 Degree Bend, Deduct	*-86.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.29*	
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.29	129.66
		For 60 Degree Bend, Deduct	*-52.03*	
		For 30 Degree Bend, Deduct	*-93.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.02*	
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	370.48	163.89
		For 60 Degree Bend, Deduct	*-59.45*	
		For 30 Degree Bend, Deduct	*-108.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.39*	
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	459.75	200.70
		For 60 Degree Bend, Deduct	*-74.78*	
		For 30 Degree Bend, Deduct	*-135.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.25*	
26 05 36 00-0244	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	544.08	230.40
		For 60 Degree Bend, Deduct	*-91.21*	
		For 30 Degree Bend, Deduct	*-164.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.21*	
26 05 36 00-0245	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	617.81	270.46
		For 60 Degree Bend, Deduct	*-100.19*	
		For 30 Degree Bend, Deduct	*-182.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.24*	

26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.83	97.24
		For 60 Degree Bend, Deduct	*-51.79*	
		For 30 Degree Bend, Deduct	*-91.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.88*	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	310.18	117.21
		For 60 Degree Bend, Deduct	*-57.42*	
		For 30 Degree Bend, Deduct	*-102.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.25*	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	354.29	135.36
		For 60 Degree Bend, Deduct	*-65.03*	
		For 30 Degree Bend, Deduct	*-115.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.15*	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	420.33	172.84
		For 60 Degree Bend, Deduct	*-72.44*	
		For 30 Degree Bend, Deduct	*-130.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.63*	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.80	214.71
		For 60 Degree Bend, Deduct	*-88.59*	
		For 30 Degree Bend, Deduct	*-159.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.38	249.07
		For 60 Degree Bend, Deduct	*-104.65*	
		For 30 Degree Bend, Deduct	*-188.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.89*	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	713.29	296.52
		For 60 Degree Bend, Deduct	*-121.74*	
		For 30 Degree Bend, Deduct	*-219.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.62*	

26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.98	100.36
		For 60 Degree Bend, Deduct	*-67.80*	
		For 30 Degree Bend, Deduct	*-118.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.84*	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.61	121.88
		For 60 Degree Bend, Deduct	*-74.27*	
		For 30 Degree Bend, Deduct	*-130.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.51*	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.73	141.45
		For 60 Degree Bend, Deduct	*-78.68*	
		For 30 Degree Bend, Deduct	*-138.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.49*	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.12	183.08
		For 60 Degree Bend, Deduct	*-90.22*	
		For 30 Degree Bend, Deduct	*-160.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.35*	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.39	230.40
		For 60 Degree Bend, Deduct	*-101.55*	
		For 30 Degree Bend, Deduct	*-182.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.34*	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	697.82	270.46
		For 60 Degree Bend, Deduct	*-126.59*	
		For 30 Degree Bend, Deduct	*-226.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.24*	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	820.52	327.39
		For 60 Degree Bend, Deduct	*-145.26*	
		For 30 Degree Bend, Deduct	*-260.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.77*	

26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	361.13	129.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.31*	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	395.23	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.18*	
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	426.20	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.98*	
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	494.54	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.73*	
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.75	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.87*	
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	612.22	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.61*	
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	680.07	296.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.34*	

26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.46	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.78*	
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.36	155.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.97*	
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	506.50	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.81	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.89*	
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.75	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.92*	
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	726.18	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.06*	
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	832.41	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.96*	

26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	512.29	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.45*	
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	559.56	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.31*	
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	595.27	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.27*	
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	697.44	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.54*	
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	767.55	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.21*	
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	878.69	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.94*	
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	992.70	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.81*	

26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.13	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.06*	
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.30	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.59*	
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	735.53	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.00*	
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	821.29	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.20*	
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	930.59	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.27*	
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,034.86	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.96*	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,171.22	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.57*	

26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	816.11	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.07*	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	876.80	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.97*	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	915.22	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.59*	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,003.65	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.58*	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,114.45	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.03*	
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,199.05	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.35*	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,448.94	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.98*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0302			**36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0303		EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,040.31	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.33*	
26 05 36 00-0304		EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,112.75	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.99*	
26 05 36 00-0305		EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,181.07	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.32*	
26 05 36 00-0306		EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,298.84	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.47*	
26 05 36 00-0307		EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,474.10	444.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.41*	
26 05 36 00-0308		EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,598.53	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.93*	
26 05 36 00-0309		EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,801.56	565.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.04*	
26 05 36 00-0310			**12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0311		EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	780.65	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.86*	
26 05 36 00-0312		EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	799.26	239.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.97*	
26 05 36 00-0313		EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	818.59	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.11*	
26 05 36 00-0314		EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	861.33	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.59*	
26 05 36 00-0315		EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	888.60	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.30*	
26 05 36 00-0316		EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	963.92	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.46*	
26 05 36 00-0317		EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,038.44	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.06*	
26 05 36 00-0318			**24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0319		EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,131.70	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.42*	
26 05 36 00-0320		EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,159.28	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.32*	
26 05 36 00-0321		EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,188.35	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.29*	
26 05 36 00-0322		EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,252.52	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.55*	
26 05 36 00-0323		EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,297.90	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.86*	
26 05 36 00-0324		EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,375.89	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.80*	
26 05 36 00-0325		EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,483.22	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.91*	
26 05 36 00-0326			**36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0327		EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,790.20	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.48*	
26 05 36 00-0328		EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,827.91	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,868.29	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.12*	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,937.26	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.44*	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,984.70	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-169.68*	
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,109.42	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.53*	
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,218.59	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-184.86*	

26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	807.37	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.81*	
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	848.36	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.55*	
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	906.24	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.84*	
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	972.24	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.70*	
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,094.68	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.91*	
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,223.62	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.36*	
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,337.61	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.84*	

26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,135.85	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.80*	
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,187.93	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.27*	
26 05 36 00-0345	EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,243.17	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.90*	
26 05 36 00-0346	EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,324.29	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.87*	
26 05 36 00-0347	EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,473.29	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.41*	
26 05 36 00-0348	EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,584.52	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.23*	
26 05 36 00-0349	EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,777.21	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.61*	

26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,431.04	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.69*	
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,508.67	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.31*	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,592.38	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.24*	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,737.69	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.85*	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,985.94	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.48*	
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,166.25	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-164.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,371.14	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.44*	

26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	937.31	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.80*	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	984.74	327.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.18*	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,054.86	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.70*	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,135.28	366.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.00*	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,276.28	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.07*	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,441.57	444.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.14*	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,579.29	478.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.06*	

26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,387.89	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.00*	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,447.80	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.26*	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,510.88	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.67*	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,609.22	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.37*	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,777.00	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.78*	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,908.58	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.64*	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,152.93	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-168.18*	

26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,783.28	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.91*	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,876.57	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.10*	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,975.93	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.59*	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,160.37	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.12*	
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,455.60	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-198.45*	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,675.04	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-215.72*	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,919.07	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-234.23*	

26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	307.99	130.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.97*	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.44	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.20*	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.11	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.37*	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.67	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.64*	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	540.60	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.86*	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	638.03	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.19*	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	734.59	296.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.76*	

26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.86	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.12*	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.35	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.38*	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	489.62	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.56*	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.20	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.63*	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.42	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.09*	
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.80	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.92*	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	847.20	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.44*	

26 05 36 00-0399 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.30	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.65*	
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	492.94	163.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.66*	
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	535.70	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.31*	
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	647.87	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.58*	
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.73	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.53*	
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	866.51	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.72*	
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	989.07	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.44*	

26 05 36 00-0407 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0408	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	228.07	94.26
		For 60 Degree Bend, Deduct	*-39.14*	
		For 30 Degree Bend, Deduct	*-70.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.96*	
26 05 36 00-0409	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.28	113.06
		For 60 Degree Bend, Deduct	*-43.23*	
		For 30 Degree Bend, Deduct	*-78.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0410	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	292.93	129.66
		For 60 Degree Bend, Deduct	*-46.96*	
		For 30 Degree Bend, Deduct	*-85.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.49*	
26 05 36 00-0411	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	354.24	163.89
		For 60 Degree Bend, Deduct	*-54.09*	
		For 30 Degree Bend, Deduct	*-99.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.77*	
26 05 36 00-0412	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	438.88	200.70
		For 60 Degree Bend, Deduct	*-67.89*	
		For 30 Degree Bend, Deduct	*-124.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.16*	
26 05 36 00-0413	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.41	230.40
		For 60 Degree Bend, Deduct	*-82.41*	
		For 30 Degree Bend, Deduct	*-150.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.54*	
26 05 36 00-0414	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.98	270.46
		For 60 Degree Bend, Deduct	*-91.00*	
		For 30 Degree Bend, Deduct	*-166.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.46*	

26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0416	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.85	97.24
		For 60 Degree Bend, Deduct	*-45.86*	
		For 30 Degree Bend, Deduct	*-81.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.09*	
26 05 36 00-0417	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	291.05	117.21
		For 60 Degree Bend, Deduct	*-51.11*	
		For 30 Degree Bend, Deduct	*-91.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.34*	
26 05 36 00-0418	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	332.84	135.36
		For 60 Degree Bend, Deduct	*-57.96*	
		For 30 Degree Bend, Deduct	*-104.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.01*	
26 05 36 00-0419	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.30	172.84
		For 60 Degree Bend, Deduct	*-65.17*	
		For 30 Degree Bend, Deduct	*-118.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.42*	
26 05 36 00-0420	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.13	214.71
		For 60 Degree Bend, Deduct	*-79.79*	
		For 30 Degree Bend, Deduct	*-144.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.22*	
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	574.49	249.07
		For 60 Degree Bend, Deduct	*-94.12*	
		For 30 Degree Bend, Deduct	*-170.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.70*	
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	676.76	296.52
		For 60 Degree Bend, Deduct	*-109.68*	
		For 30 Degree Bend, Deduct	*-199.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.97*	

26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	296.18	100.36
		For 60 Degree Bend, Deduct	*-59.29*	
		For 30 Degree Bend, Deduct	*-104.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.26*	
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.36	121.88
		For 60 Degree Bend, Deduct	*-65.28*	
		For 30 Degree Bend, Deduct	*-115.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.78*	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	374.90	141.45
		For 60 Degree Bend, Deduct	*-69.50*	
		For 30 Degree Bend, Deduct	*-123.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.70*	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	455.97	183.08
		For 60 Degree Bend, Deduct	*-80.27*	
		For 30 Degree Bend, Deduct	*-143.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.50	230.40
		For 60 Degree Bend, Deduct	*-91.02*	
		For 30 Degree Bend, Deduct	*-164.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.15*	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.66	270.46
		For 60 Degree Bend, Deduct	*-113.01*	
		For 30 Degree Bend, Deduct	*-203.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.13*	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	774.72	327.39
		For 60 Degree Bend, Deduct	*-130.15*	
		For 30 Degree Bend, Deduct	*-235.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.19*	

26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	342.21	129.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.42*	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.88	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.24*	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.20	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.98*	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.67	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.64*	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	529.00	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.70*	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	588.74	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.26*	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	655.72	296.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.90*	

26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.71	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.10*	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.96	155.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.23*	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.02	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.40*	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.81	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.89*	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	625.22	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.77*	
26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	692.91	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.73*	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	795.01	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.22*	

26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.19	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.84*	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.16	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.57*	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.44	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.48*	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.56	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.45*	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	726.23	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.08*	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	831.72	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.24*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0454		EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	942.69	365.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.80*	

26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0456		EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	609.28	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.18*	
26 05 36 00-0457		EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	659.55	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.41*	
26 05 36 00-0458		EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	691.46	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.59*	
26 05 36 00-0459		EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	770.84	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.15*	
26 05 36 00-0460		EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	871.45	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.36*	
26 05 36 00-0461		EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	964.12	366.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.89*	
26 05 36 00-0462		EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,091.21	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.56*	

26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0464		EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	755.22	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.98*	
26 05 36 00-0465		EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	813.02	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.60*	
26 05 36 00-0466		EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	849.12	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.98*	
26 05 36 00-0467		EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	932.33	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.45*	
26 05 36 00-0468		EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,036.76	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.26*	
26 05 36 00-0469		EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,114.40	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.88*	
26 05 36 00-0470		EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,340.51	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.13*	

26 05 36 00-0471 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0472		EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	949.28	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.22*	
26 05 36 00-0473		EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,018.24	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.54*	
26 05 36 00-0474		EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,080.18	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.23*	
26 05 36 00-0475		EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,190.41	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.63*	
26 05 36 00-0476		EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,351.76	444.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.17*	
26 05 36 00-0477		EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,465.17	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.60*	
26 05 36 00-0478		EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,658.35	565.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.72*	

26 05 36 00-0479 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0480		EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	714.55	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	732.58	239.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.30*	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	751.34	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.38*	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	792.91	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.75*	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	819.02	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.35*	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	889.70	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.04*	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	961.32	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.35*	
26 05 36 00-0487		**24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,012.25	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.47*	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,038.10	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.20*	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,065.43	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.00*	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,126.12	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.91*	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,168.02	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.87*	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,242.53	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.47*	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,344.06	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.99*	
26 05 36 00-0495		**36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,566.97	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.16*	
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,601.78	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.62*	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,639.26	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.22*	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,705.33	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.25*	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,749.87	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.20*	
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,865.90	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.18*	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,972.17	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.21*	
26 05 36 00-0503		**12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	759.24	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.99*	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	797.91	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.51*	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	851.15	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.33*	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	911.94	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.67*	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,027.43	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,143.02	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.30*	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,247.74	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.86*	

26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,042.49	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.46*	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,091.68	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.65*	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,144.03	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.99*	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,218.77	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.32*	
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,360.80	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.16*	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,464.49	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.23*	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,638.05	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.69*	

26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,300.58	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.64*	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,372.42	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.69*	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,450.33	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.03*	
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,581.14	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.20*	
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,812.00	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.09*	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,977.81	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.00*	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,168.20	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.14*	

26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	867.53	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.82*	
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	911.60	327.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.87*	
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	974.99	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.72*	
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,047.84	366.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.25*	
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,178.76	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.32*	
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,324.70	444.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.45*	
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,448.97	478.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.03*	

26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,252.53	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.47*	
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,308.24	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.30*	
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,367.11	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.30*	
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,456.20	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.06*	
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,613.90	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.47*	
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,734.54	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.24*	
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,951.16	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.00*	

26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,594.11	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.00*	
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,679.00	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.34*	
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,769.95	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.99*	
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,933.38	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.42*	
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,203.38	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.22*	
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,401.80	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-188.40*	
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,624.81	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-204.81*	

26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.60	130.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.33*	
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.54	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.51*	
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.60	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.62*	
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.93	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.67*	
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	529.64	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.76*	
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	623.62	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.75*	
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	717.75	296.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.08*	

26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	400.67	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.80*	
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.75	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.02*	
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.51	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	559.98	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.11*	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	632.08	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.46*	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	707.04	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.15*	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	826.09	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.32*	

26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.69	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.19*	
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	477.52	163.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.12*	
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	519.56	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.70*	
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.40	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.74*	
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	720.44	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.50*	
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	842.16	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.29*	
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	962.49	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.78*	

26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	223.10	94.26
		For 60 Degree Bend, Deduct	*-37.50*	
		For 30 Degree Bend, Deduct	*-67.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.46*	
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	257.10	113.06
		For 60 Degree Bend, Deduct	*-41.52*	
		For 30 Degree Bend, Deduct	*-75.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.29*	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.55	129.66
		For 60 Degree Bend, Deduct	*-45.19*	
		For 30 Degree Bend, Deduct	*-82.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.95*	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.56	163.89
		For 60 Degree Bend, Deduct	*-52.22*	
		For 30 Degree Bend, Deduct	*-96.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.20*	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	431.57	200.70
		For 60 Degree Bend, Deduct	*-65.48*	
		For 30 Degree Bend, Deduct	*-120.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.43*	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.07	230.40
		For 60 Degree Bend, Deduct	*-79.33*	
		For 30 Degree Bend, Deduct	*-145.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.60*	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	580.24	270.46
		For 60 Degree Bend, Deduct	*-87.79*	
		For 30 Degree Bend, Deduct	*-161.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.48*	

26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	245.56	97.24
		For 60 Degree Bend, Deduct	*-43.78*	
		For 30 Degree Bend, Deduct	*-78.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	284.35	117.21
		For 60 Degree Bend, Deduct	*-48.90*	
		For 30 Degree Bend, Deduct	*-88.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.67*	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.33	135.36
		For 60 Degree Bend, Deduct	*-55.48*	
		For 30 Degree Bend, Deduct	*-99.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.25*	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.58	172.84
		For 60 Degree Bend, Deduct	*-62.62*	
		For 30 Degree Bend, Deduct	*-113.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.65*	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	481.79	214.71
		For 60 Degree Bend, Deduct	*-76.70*	
		For 30 Degree Bend, Deduct	*-139.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.29*	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	563.33	249.07
		For 60 Degree Bend, Deduct	*-90.44*	
		For 30 Degree Bend, Deduct	*-164.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.58*	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	663.98	296.52
		For 60 Degree Bend, Deduct	*-105.47*	
		For 30 Degree Bend, Deduct	*-192.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.69*	

26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.15	100.36
		For 60 Degree Bend, Deduct	*-56.31*	
		For 30 Degree Bend, Deduct	*-99.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.36*	
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.82	121.88
		For 60 Degree Bend, Deduct	*-62.13*	
		For 30 Degree Bend, Deduct	*-110.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.83*	
26 05 36 00-0595	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.16	141.45
		For 60 Degree Bend, Deduct	*-66.28*	
		For 30 Degree Bend, Deduct	*-118.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.73*	
26 05 36 00-0596	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.42	183.08
		For 60 Degree Bend, Deduct	*-76.79*	
		For 30 Degree Bend, Deduct	*-138.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.28*	
26 05 36 00-0597	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	532.34	230.40
		For 60 Degree Bend, Deduct	*-87.34*	
		For 30 Degree Bend, Deduct	*-158.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.03*	
26 05 36 00-0598	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.25	270.46
		For 60 Degree Bend, Deduct	*-108.25*	
		For 30 Degree Bend, Deduct	*-195.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.68*	
26 05 36 00-0599	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	758.69	327.39
		For 60 Degree Bend, Deduct	*-124.86*	
		For 30 Degree Bend, Deduct	*-226.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.58*	

26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0601	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	333.38	129.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.53*	
26 05 36 00-0602	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.85	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.34*	
26 05 36 00-0603	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.86	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.04*	
26 05 36 00-0604	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.93	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.67*	
26 05 36 00-0605	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.86	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0606	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	577.78	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.17*	
26 05 36 00-0607	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	644.35	296.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.77*	

26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0609	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	391.23	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.85*	
26 05 36 00-0610	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.18	155.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.95*	
26 05 36 00-0611	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.73	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.07*	
26 05 36 00-0612	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.80	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.49*	
26 05 36 00-0613	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	610.51	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.30*	
26 05 36 00-0614	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.39	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.18*	
26 05 36 00-0615	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	777.56	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.47*	

26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0617	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	459.35	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.16*	
26 05 36 00-0618	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	504.71	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.83*	
26 05 36 00-0619	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	539.79	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.72*	
26 05 36 00-0620	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	637.49	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.55*	
26 05 36 00-0621	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	706.96	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.16*	
26 05 36 00-0622	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	809.81	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.05*	
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	919.35	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.47*	

26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.86	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.23*	
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	638.68	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.33*	
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	669.43	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.39*	
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	745.62	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.63*	
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	841.88	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.40*	
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	928.75	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.35*	
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,051.20	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.56*	

26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0633		EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.78	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.94*	
26 05 36 00-0634		EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	781.13	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.41*	
26 05 36 00-0635		EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	816.07	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.68*	
26 05 36 00-0636		EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	896.67	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.88*	
26 05 36 00-0637		EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	997.91	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.38*	
26 05 36 00-0638		EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,072.07	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.65*	
26 05 36 00-0639		EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,286.30	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.71*	

26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0641		EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	903.76	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.67*	
26 05 36 00-0642		EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	970.99	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.81*	
26 05 36 00-0643		EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,029.74	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.19*	
26 05 36 00-0644		EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,136.20	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.21*	
26 05 36 00-0645		EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,290.59	444.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.06*	
26 05 36 00-0646		EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,398.49	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.93*	
26 05 36 00-0647		EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,586.74	565.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.56*	

26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0649		EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	681.50	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.95*	
26 05 36 00-0650		EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	699.24	239.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.97*	
26 05 36 00-0651		EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	717.71	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.02*	
26 05 36 00-0652		EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	758.70	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.33*	
26 05 36 00-0653		EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	784.23	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.87*	
26 05 36 00-0654		EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	852.60	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.33*	
26 05 36 00-0655		EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	922.76	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.49*	

26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0657		EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	952.53	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.50*	
26 05 36 00-0658		EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	977.51	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.14*	
26 05 36 00-0659		EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,003.97	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.86*	
26 05 36 00-0660		EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,062.92	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,103.08	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.38*	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,175.85	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.80*	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,274.48	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.03*	

26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,455.36	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.00*	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,488.71	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.31*	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,524.75	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.77*	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,589.36	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.65*	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,632.46	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.46*	
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,744.14	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.00*	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,848.95	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.89*	

26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	735.18	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.59*	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	772.69	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.98*	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	823.61	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.57*	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	881.79	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.66*	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	993.80	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.82*	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,102.73	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.27*	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,202.80	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.36*	

26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	995.82	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.80*	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,043.55	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.83*	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,094.45	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.03*	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,166.00	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.04*	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,304.56	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.54*	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,404.48	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.23*	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,568.47	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.73*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0688		36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,235.35	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.12*	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,304.29	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.87*	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,379.30	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.93*	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,502.86	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.37*	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,725.03	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.39*	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,883.59	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.58*	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,066.73	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.00*	
26 05 36 00-0696		12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	832.64	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.33*	
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	875.03	327.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.21*	
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	935.06	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.72*	
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,004.13	366.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.88*	
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,129.99	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.44*	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,266.27	444.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.61*	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,383.81	478.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.51*	
26 05 36 00-0704		24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,184.85	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.70*	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,238.46	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.32*	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,295.23	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.11*	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,379.69	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.41*	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,532.34	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.32*	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,647.53	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.53*	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,850.27	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.91*	
26 05 36 00-0712		36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,499.53	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.54*	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,580.21	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.46*	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,666.96	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,819.88	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.07*	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,077.27	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.61*	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,265.18	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-174.74*	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,477.68	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-190.09*	

26 05 36 00-0720 Dropout Or End Plates And Reducers *(26 05 36 00-0002)*

26 05 36 00-0721 Straight Reducers *(26 05 36 00-0720)*

26 05 36 00-0722	EA	9" To 6" Reducer, Steel Cable Tray	292.88	95.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.31*	
26 05 36 00-0723	EA	12" To 9" Reducer, Steel Cable Tray	308.95	103.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.26*	
26 05 36 00-0724	EA	18" To 12" Reducer, Steel Cable Tray	335.61	119.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.59*	
26 05 36 00-0725	EA	24" To 18" Reducer, Steel Cable Tray	369.71	138.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.44*	
26 05 36 00-0726	EA	30" To 24" Reducer, Steel Cable Tray	401.38	155.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.17*	
26 05 36 00-0727	EA	36" To 30" Reducer, Steel Cable Tray	455.74	177.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.76*	

26 05 36 00-0728 Reducers *(26 05 36 00-0720)*

26 05 36 00-0729	EA	18" To 6" Reducer, Steel Cable Tray	341.53	119.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.18*	
26 05 36 00-0730	EA	24" To 12" Reducer, Steel Cable Tray	375.82	138.48
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.04*	
26 05 36 00-0731	EA	30" To 12" Reducer, Steel Cable Tray	412.76	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.32*	
26 05 36 00-0732	EA	30" To 18" Reducer, Steel Cable Tray	418.35	155.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.89*	
26 05 36 00-0733	EA	36" To 12" Reducer, Steel Cable Tray	458.64	177.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.05*	
26 05 36 00-0734	EA	36" To 18" Reducer, Steel Cable Tray	472.22	182.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.02*	
26 05 36 00-0735	EA	36" To 24" Reducer, Steel Cable Tray	487.74	188.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.08*	

26 05 36 00-0736 Dropout Or End Plate *(26 05 36 00-0720)*

26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray	79.75	38.90
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray	91.58	44.47
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray	98.86	47.84
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray	116.72	56.53
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray	130.97	62.24
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray	145.13	69.10
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray	163.87	77.79

26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray *(26 05 36 00-0001)*

Note: 4-5/8" Height

26 05 36 00-0745 Straight Tray Sections *(26 05 36 00-0744)*

26 05 36 00-0746 4" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	120.26	9.08
		For Class 12C Instead Of Class 12B, Add	*16.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.01*	
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	127.17	9.59
		For Class 12C Instead Of Class 12B, Add	*17.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.36*	
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	134.07	9.98
		For Class 12C Instead Of Class 12B, Add	*18.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.70*	
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	148.96	10.89
		For Class 12C Instead Of Class 12B, Add	*20.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.45*	
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	172.10	11.66
		For Class 12C Instead Of Class 12B, Add	*23.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.61*	
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	188.80	12.45
		For Class 12C Instead Of Class 12B, Add	*26.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	203.54	13.23
		For Class 12C Instead Of Class 12B, Add	*28.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.18*	

26 05 36 00-0754 6" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	110.71	9.08
		For Class 12C Instead Of Class 12B, Add	*15.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.54*	
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	117.06	9.59
		For Class 12C Instead Of Class 12B, Add	*15.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.85*	
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	123.40	9.98
		For Class 12C Instead Of Class 12B, Add	*16.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.17*	
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	137.08	10.89
		For Class 12C Instead Of Class 12B, Add	*18.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.85*	
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	158.21	11.66
		For Class 12C Instead Of Class 12B, Add	*21.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.91*	
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	173.51	12.45
		For Class 12C Instead Of Class 12B, Add	*23.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.68*	
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	187.05	13.23
		For Class 12C Instead Of Class 12B, Add	*25.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.35*	

26 05 36 00-0762 9" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	98.42	8.69
		For Class 12C Instead Of Class 12B, Add	*13.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.92*	
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	99.52	9.08
		For Class 12C Instead Of Class 12B, Add	*13.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.98*	
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	106.78	9.59
		For Class 12C Instead Of Class 12B, Add	*14.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.34*	
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	114.00	10.24
		For Class 12C Instead Of Class 12B, Add	*15.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.70*	
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	129.52	10.63
		For Class 12C Instead Of Class 12B, Add	*17.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.48*	
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	143.54	11.41
		For Class 12C Instead Of Class 12B, Add	*19.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.18*	
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	152.19	12.45
		For Class 12C Instead Of Class 12B, Add	*20.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.61*	

26 05 36 00-0770 12" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	96.51	8.43
		For Class 12C Instead Of Class 12B, Add	*13.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.83*	
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	97.49	8.69
		For Class 12C Instead Of Class 12B, Add	*13.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.87*	
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	101.14	9.21
		For Class 12C Instead Of Class 12B, Add	*13.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.06*	
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	107.16	9.72
		For Class 12C Instead Of Class 12B, Add	*14.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.36*	
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	117.64	9.85
		For Class 12C Instead Of Class 12B, Add	*15.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.88*	

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			MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section				126.20	10.89
		For Class 12C Instead Of Class 12B, Add				*17.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-11.72*	
		For 6" Overall Height Instead Of 4-5/8", Add				*6.31*	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section				133.32	11.79
		For Class 12C Instead Of Class 12B, Add				*18.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-12.35*	
		For 6" Overall Height Instead Of 4-5/8", Add				*6.67*	

26 05 36 00-0778 18" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section				95.66	8.17
		For Class 12C Instead Of Class 12B, Add				*12.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-8.88*	
		For 6" Overall Height Instead Of 4-5/8", Add				*4.78*	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section				95.24	8.56
		For Class 12C Instead Of Class 12B, Add				*12.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-8.82*	
		For 6" Overall Height Instead Of 4-5/8", Add				*4.76*	
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section				100.49	8.82
		For Class 12C Instead Of Class 12B, Add				*13.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-9.31*	
		For 6" Overall Height Instead Of 4-5/8", Add				*5.02*	
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section				105.91	9.34
		For Class 12C Instead Of Class 12B, Add				*14.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-9.82*	
		For 6" Overall Height Instead Of 4-5/8", Add				*5.30*	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section				113.15	9.47
		For Class 12C Instead Of Class 12B, Add				*15.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-10.53*	
		For 6" Overall Height Instead Of 4-5/8", Add				*5.66*	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section				117.84	10.37
		For Class 12C Instead Of Class 12B, Add				*15.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-10.92*	
		For 6" Overall Height Instead Of 4-5/8", Add				*5.89*	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section				124.15	11.28
		For Class 12C Instead Of Class 12B, Add				*16.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-11.47*	
		For 6" Overall Height Instead Of 4-5/8", Add				*6.21*	

26 05 36 00-0786 4" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray				369.97	130.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-26.16*	
		For 6" Overall Height Instead Of 4-5/8", Add				*18.50*	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray				404.05	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-28.06*	
		For 6" Overall Height Instead Of 4-5/8", Add				*20.20*	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray				459.13	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-32.27*	
		For 6" Overall Height Instead Of 4-5/8", Add				*22.96*	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray				544.08	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-37.68*	
		For 6" Overall Height Instead Of 4-5/8", Add				*27.20*	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray				644.07	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-45.20*	
		For 6" Overall Height Instead Of 4-5/8", Add				*32.20*	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray				707.74	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-49.16*	
		For 6" Overall Height Instead Of 4-5/8", Add				*35.39*	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray				827.73	296.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-58.07*	
		For 6" Overall Height Instead Of 4-5/8", Add				*41.39*	

26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray				497.09	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-38.44*	
		For 6" Overall Height Instead Of 4-5/8", Add				*24.85*	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray				542.42	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-41.29*	
		For 6" Overall Height Instead Of 4-5/8", Add				*27.12*	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray				585.02	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-44.10*	
		For 6" Overall Height Instead Of 4-5/8", Add				*29.25*	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray				679.89	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-50.10*	
		For 6" Overall Height Instead Of 4-5/8", Add				*33.99*	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray				768.21	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-56.07*	
		For 6" Overall Height Instead Of 4-5/8", Add				*38.41*	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray				857.28	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-62.17*	
		For 6" Overall Height Instead Of 4-5/8", Add				*42.86*	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray				980.36	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct				*-70.75*	
		For 6" Overall Height Instead Of 4-5/8", Add				*49.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	534.40	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.72*	
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	579.20	163.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.96*	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	646.74	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.34*	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	768.26	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.41*	
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	885.49	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.27*	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	995.98	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.80*	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,156.50	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.83*	

26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	257.94	94.26
		For 60 Degree Bend, Deduct	*-49.00*	
		For 30 Degree Bend, Deduct	*-86.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.90*	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	293.14	113.06
		For 60 Degree Bend, Deduct	*-53.42*	
		For 30 Degree Bend, Deduct	*-95.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.66*	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	324.77	129.66
		For 60 Degree Bend, Deduct	*-57.47*	
		For 30 Degree Bend, Deduct	*-102.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.24*	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	401.14	163.89
		For 60 Degree Bend, Deduct	*-69.57*	
		For 30 Degree Bend, Deduct	*-125.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.06*	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	493.63	200.70
		For 60 Degree Bend, Deduct	*-85.96*	
		For 30 Degree Bend, Deduct	*-154.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.68*	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	566.45	230.40
		For 60 Degree Bend, Deduct	*-98.60*	
		For 30 Degree Bend, Deduct	*-177.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.32*	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	640.99	270.46
		For 60 Degree Bend, Deduct	*-107.84*	
		For 30 Degree Bend, Deduct	*-194.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.05*	

26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	297.81	97.24
		For 60 Degree Bend, Deduct	*-61.02*	
		For 30 Degree Bend, Deduct	*-107.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.89*	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	346.74	117.21
		For 60 Degree Bend, Deduct	*-69.49*	
		For 30 Degree Bend, Deduct	*-122.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.34*	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	380.81	135.36
		For 60 Degree Bend, Deduct	*-73.79*	
		For 30 Degree Bend, Deduct	*-130.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.04*	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	455.01	172.84
		For 60 Degree Bend, Deduct	*-83.88*	
		For 30 Degree Bend, Deduct	*-149.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.75*	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	551.82	214.71
		For 60 Degree Bend, Deduct	*-99.81*	
		For 30 Degree Bend, Deduct	*-178.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.59*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0825		EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	647.90	249.07
			For 60 Degree Bend, Deduct	*-118.35*	
			For 30 Degree Bend, Deduct	*-211.08*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.04*	
			For 6" Overall Height Instead Of 4-5/8", Add	*32.40*	
26 05 36 00-0826		EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	738.62	296.52
			For 60 Degree Bend, Deduct	*-130.10*	
			For 30 Degree Bend, Deduct	*-233.30*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.16*	
			For 6" Overall Height Instead Of 4-5/8", Add	*36.93*	

26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0828		EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	349.57	100.36
			For 60 Degree Bend, Deduct	*-76.91*	
			For 30 Degree Bend, Deduct	*-133.75*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.60*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.48*	
26 05 36 00-0829		EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	389.39	121.88
			For 60 Degree Bend, Deduct	*-81.79*	
			For 30 Degree Bend, Deduct	*-143.08*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.78*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.47*	
26 05 36 00-0830		EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	425.91	141.45
			For 60 Degree Bend, Deduct	*-86.33*	
			For 30 Degree Bend, Deduct	*-151.74*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.80*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.30*	
26 05 36 00-0831		EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	514.79	183.08
			For 60 Degree Bend, Deduct	*-99.68*	
			For 30 Degree Bend, Deduct	*-176.31*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.22*	
			For 6" Overall Height Instead Of 4-5/8", Add	*25.74*	
26 05 36 00-0832		EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	640.19	230.40
			For 60 Degree Bend, Deduct	*-122.93*	
			For 30 Degree Bend, Deduct	*-217.69*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.82*	
			For 6" Overall Height Instead Of 4-5/8", Add	*32.01*	
26 05 36 00-0833		EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	722.49	270.46
			For 60 Degree Bend, Deduct	*-134.73*	
			For 30 Degree Bend, Deduct	*-239.58*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.71*	
			For 6" Overall Height Instead Of 4-5/8", Add	*36.12*	
26 05 36 00-0834		EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	844.52	327.39
			For 60 Degree Bend, Deduct	*-153.18*	
			For 30 Degree Bend, Deduct	*-273.49*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.17*	
			For 6" Overall Height Instead Of 4-5/8", Add	*42.23*	

26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0836		EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	406.68	129.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.86*	
			For 6" Overall Height Instead Of 4-5/8", Add	*20.33*	
26 05 36 00-0837		EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	447.85	148.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.44*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.39*	
26 05 36 00-0838		EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	477.28	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.09*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.86*	
26 05 36 00-0839		EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	545.88	200.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.86*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.29*	
26 05 36 00-0840		EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	605.82	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.38*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.29*	
26 05 36 00-0841		EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	664.35	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.83*	
			For 6" Overall Height Instead Of 4-5/8", Add	*33.22*	
26 05 36 00-0842		EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	732.46	296.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.58*	
			For 6" Overall Height Instead Of 4-5/8", Add	*36.62*	

26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0844		EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	431.60	135.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.89*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.58*	
26 05 36 00-0845		EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	474.16	155.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.45*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.71*	
26 05 36 00-0846		EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	508.17	172.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.41*	
			For 6" Overall Height Instead Of 4-5/8", Add	*25.41*	
26 05 36 00-0847		EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	589.93	214.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.10*	
			For 6" Overall Height Instead Of 4-5/8", Add	*29.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	661.06	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.05*	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	731.01	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.55*	
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	822.90	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.15*	

26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	554.36	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.72*	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	598.56	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.93*	
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	651.73	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.59*	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	744.42	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.22*	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	825.05	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.25*	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	920.58	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.03*	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,028.57	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.43*	

26 05 36 00-0859 12" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	634.87	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.74*	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	685.06	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.25*	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	708.98	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.45*	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	803.32	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.17*	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	889.27	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.46*	
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	974.41	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.72*	
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,127.18	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.36*	

26 05 36 00-0867 24" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	825.61	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.28*	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	890.53	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.53*	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	925.84	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.29*	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,019.00	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.95*	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,131.18	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.56*	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,220.88	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.04*	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,609.22	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.46*	

26 05 36 00-0875 36" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,023.87	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,089.85	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.49*	
26 05 36 00-0878	EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,170.36	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.52*	
26 05 36 00-0879	EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,275.33	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.77*	
26 05 36 00-0880	EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,431.97	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.60*	
26 05 36 00-0881	EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,674.09	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.70*	
26 05 36 00-0882	EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,915.28	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.76*	

26 05 36 00-0883 12" Radius Vertical Tees *(26 05 36 00-0786)*

26 05 36 00-0884	EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	877.76	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.89*	
26 05 36 00-0885	EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	907.31	239.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.37*	
26 05 36 00-0886	EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	926.77	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.34*	
26 05 36 00-0887	EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	973.36	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.67*	
26 05 36 00-0888	EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,036.92	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.85*	
26 05 36 00-0889	EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,095.22	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.76*	
26 05 36 00-0890	EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,170.36	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.52*	

26 05 36 00-0891 24" Radius Vertical Tees *(26 05 36 00-0786)*

26 05 36 00-0892	EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,251.11	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.56*	
26 05 36 00-0893	EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,279.07	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.95*	
26 05 36 00-0894	EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,308.51	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.43*	
26 05 36 00-0895	EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,377.04	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.85*	
26 05 36 00-0896	EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,423.16	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.16*	
26 05 36 00-0897	EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,501.90	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.10*	
26 05 36 00-0898	EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,657.33	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.87*	

26 05 36 00-0899 36" Radius Vertical Tee *(26 05 36 00-0786)*

26 05 36 00-0900	EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,041.33	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*102.07*	
26 05 36 00-0901	EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,082.29	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-184.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*104.11*	
26 05 36 00-0902	EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,125.93	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-187.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*106.30*	
26 05 36 00-0903	EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,198.18	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-192.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*109.91*	
26 05 36 00-0904	EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,248.88	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-196.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*112.44*	
26 05 36 00-0905	EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,383.37	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-205.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*119.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,495.79	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-212.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*124.79*	

26 05 36 00-0907 12" Radius Horizontal Crosses *(26 05 36 00-0786)*

26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	824.94	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.25*	
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	884.44	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.22*	
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	918.10	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.91*	
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,024.86	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.24*	
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,119.97	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.00*	
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,244.57	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.23*	
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,429.03	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.45*	

26 05 36 00-0915 24" Radius Horizontal Crosses *(26 05 36 00-0786)*

26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,163.15	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.16*	
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,215.86	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.79*	
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,271.73	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.59*	
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,347.01	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.35*	
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,511.92	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.60*	
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,663.37	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.17*	
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,843.02	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.15*	

26 05 36 00-0923 36" Radius Horizontal Crosses *(26 05 36 00-0786)*

26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,340.20	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.01*	
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,444.89	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.24*	
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,539.04	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.95*	
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,612.82	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.64*	
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,951.32	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*97.57*	
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,152.76	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*107.64*	
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,396.81	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-182.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*119.84*	

26 05 36 00-0931 12" Radius Vertical Cross *(26 05 36 00-0786)*

26 05 36 00-0932	EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	824.94	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.25*	
26 05 36 00-0933	EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	884.63	327.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.23*	
26 05 36 00-0934	EA	12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	918.00	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.90*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0935		EA	18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,025.09	366.41
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.98*	
			For 6" Overall Height Instead Of 4-5/8", Add	*51.25*	
26 05 36 00-0936		EA	24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,119.97	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.44*	
			For 6" Overall Height Instead Of 4-5/8", Add	*56.00*	
26 05 36 00-0937		EA	30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,244.91	444.21
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.47*	
			For 6" Overall Height Instead Of 4-5/8", Add	*62.25*	
26 05 36 00-0938		EA	36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,428.05	478.43
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.94*	
			For 6" Overall Height Instead Of 4-5/8", Add	*71.40*	

26 05 36 00-0939 24" Radius Vertical Crosses *(26 05 36 00-0786)*

26 05 36 00-0940		EA	6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,163.15	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.53*	
			For 6" Overall Height Instead Of 4-5/8", Add	*58.16*	
26 05 36 00-0941		EA	9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,215.86	366.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.06*	
			For 6" Overall Height Instead Of 4-5/8", Add	*60.79*	
26 05 36 00-0942		EA	12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,271.73	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.76*	
			For 6" Overall Height Instead Of 4-5/8", Add	*63.59*	
26 05 36 00-0943		EA	18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,347.01	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.14*	
			For 6" Overall Height Instead Of 4-5/8", Add	*67.35*	
26 05 36 00-0944		EA	24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,511.92	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.27*	
			For 6" Overall Height Instead Of 4-5/8", Add	*75.60*	
26 05 36 00-0945		EA	30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,628.37	518.62
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.62*	
			For 6" Overall Height Instead Of 4-5/8", Add	*81.42*	
26 05 36 00-0946		EA	36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,803.56	565.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.24*	
			For 6" Overall Height Instead Of 4-5/8", Add	*90.18*	

26 05 36 00-0947 36" Radius Vertical Crosses *(26 05 36 00-0786)*

26 05 36 00-0948		EA	6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,651.56	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.74*	
			For 6" Overall Height Instead Of 4-5/8", Add	*82.58*	
26 05 36 00-0949		EA	9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,736.21	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.06*	
			For 6" Overall Height Instead Of 4-5/8", Add	*86.81*	
26 05 36 00-0950		EA	12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,847.84	444.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.78*	
			For 6" Overall Height Instead Of 4-5/8", Add	*92.39*	
26 05 36 00-0951		EA	18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,979.32	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.01*	
			For 6" Overall Height Instead Of 4-5/8", Add	*98.97*	
26 05 36 00-0952		EA	24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,405.39	565.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-193.43*	
			For 6" Overall Height Instead Of 4-5/8", Add	*120.27*	
26 05 36 00-0953		EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,655.48	621.31
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-213.77*	
			For 6" Overall Height Instead Of 4-5/8", Add	*132.77*	
26 05 36 00-0954		EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,956.29	692.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-237.95*	
			For 6" Overall Height Instead Of 4-5/8", Add	*147.81*	

26 05 36 00-0955 6" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0957		EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	348.07	130.05
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.97*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.40*	
26 05 36 00-0958		EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	381.59	148.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.82*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.08*	
26 05 36 00-0959		EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	432.51	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.61*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.63*	
26 05 36 00-0960		EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	514.14	200.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.69*	
			For 6" Overall Height Instead Of 4-5/8", Add	*25.71*	
26 05 36 00-0961		EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	606.93	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.49*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.35*	
26 05 36 00-0962		EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	668.37	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.23*	
			For 6" Overall Height Instead Of 4-5/8", Add	*33.42*	
26 05 36 00-0963		EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	780.05	296.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.31*	
			For 6" Overall Height Instead Of 4-5/8", Add	*39.00*	

26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0955)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	458.28	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.91*	
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	501.95	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.10*	
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	542.61	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.13*	
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	633.87	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.69*	
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	717.75	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.89*	
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	802.12	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.11*	
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	918.26	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.91*	

26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	491.71	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.59*	
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	535.41	163.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.77*	
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	597.95	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.90*	
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	713.38	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.67*	
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	823.39	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.17*	
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	927.78	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.39*	
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,078.33	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.92*	

26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	243.53	94.26
		For 60 Degree Bend, Deduct	*-44.25*	
		For 30 Degree Bend, Deduct	*-78.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.18*	
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	278.17	113.06
		For 60 Degree Bend, Deduct	*-48.48*	
		For 30 Degree Bend, Deduct	*-87.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.91*	
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	309.24	129.66
		For 60 Degree Bend, Deduct	*-52.35*	
		For 30 Degree Bend, Deduct	*-94.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.46*	
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	382.85	163.89
		For 60 Degree Bend, Deduct	*-63.53*	
		For 30 Degree Bend, Deduct	*-114.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.14*	
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	470.90	200.70
		For 60 Degree Bend, Deduct	*-78.46*	
		For 30 Degree Bend, Deduct	*-141.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.55*	
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	540.40	230.40
		For 60 Degree Bend, Deduct	*-90.00*	
		For 30 Degree Bend, Deduct	*-162.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.02*	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	613.82	270.46
		For 60 Degree Bend, Deduct	*-98.87*	
		For 30 Degree Bend, Deduct	*-179.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.69*	

26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0955)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0989		EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	278.41	97.24
			For 60 Degree Bend, Deduct	*-54.62*	
			For 30 Degree Bend, Deduct	*-96.43*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.74*	
			For 6" Overall Height Instead Of 4-5/8", Add	*13.92*	
26 05 36 00-0990		EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	325.11	117.21
			For 60 Degree Bend, Deduct	*-62.35*	
			For 30 Degree Bend, Deduct	*-110.43*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.74*	
			For 6" Overall Height Instead Of 4-5/8", Add	*16.26*	
26 05 36 00-0991		EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	358.63	135.36
			For 60 Degree Bend, Deduct	*-66.47*	
			For 30 Degree Bend, Deduct	*-118.30*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.58*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.93*	
26 05 36 00-0992		EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	431.17	172.84
			For 60 Degree Bend, Deduct	*-76.02*	
			For 30 Degree Bend, Deduct	*-136.30*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.71*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.56*	
26 05 36 00-0993		EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	524.10	214.71
			For 60 Degree Bend, Deduct	*-90.67*	
			For 30 Degree Bend, Deduct	*-163.04*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.52*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.21*	
26 05 36 00-0994		EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	614.63	249.07
			For 60 Degree Bend, Deduct	*-107.37*	
			For 30 Degree Bend, Deduct	*-192.78*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.71*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.73*	
26 05 36 00-0995		EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	703.69	296.52
			For 60 Degree Bend, Deduct	*-118.57*	
			For 30 Degree Bend, Deduct	*-214.09*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.66*	
			For 6" Overall Height Instead Of 4-5/8", Add	*35.18*	

26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0997		EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	323.52	100.36
			For 60 Degree Bend, Deduct	*-68.31*	
			For 30 Degree Bend, Deduct	*-119.43*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.99*	
			For 6" Overall Height Instead Of 4-5/8", Add	*16.18*	
26 05 36 00-0998		EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	362.77	121.88
			For 60 Degree Bend, Deduct	*-73.00*	
			For 30 Degree Bend, Deduct	*-128.44*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.12*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.14*	
26 05 36 00-0999		EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	398.74	141.45
			For 60 Degree Bend, Deduct	*-77.36*	
			For 30 Degree Bend, Deduct	*-136.80*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.09*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.94*	
26 05 36 00-1000		EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	484.85	183.08
			For 60 Degree Bend, Deduct	*-89.80*	
			For 30 Degree Bend, Deduct	*-159.84*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.22*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.24*	
26 05 36 00-1001		EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	603.60	230.40
			For 60 Degree Bend, Deduct	*-110.86*	
			For 30 Degree Bend, Deduct	*-197.56*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.16*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.18*	
26 05 36 00-1002		EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	683.68	270.46
			For 60 Degree Bend, Deduct	*-121.93*	
			For 30 Degree Bend, Deduct	*-218.24*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.83*	
			For 6" Overall Height Instead Of 4-5/8", Add	*34.18*	
26 05 36 00-1003		EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	801.83	327.39
			For 60 Degree Bend, Deduct	*-139.10*	
			For 30 Degree Bend, Deduct	*-250.02*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.90*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.09*	

26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1005		EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	391.44	129.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.34*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.57*	
26 05 36 00-1006		EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	431.77	148.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.83*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.59*	
26 05 36 00-1007		EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	460.93	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.45*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.05*	
26 05 36 00-1008		EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	528.97	200.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.17*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	588.08	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.40*	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	645.78	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.29*	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	713.34	296.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.67*	

26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	415.10	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.76*	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	456.97	155.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.85*	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	490.56	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.53*	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	571.36	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.57*	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	641.38	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.07*	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	710.22	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.51*	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	800.72	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.04*	

26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	528.86	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.44*	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	572.50	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.63*	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	624.01	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.20*	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	715.59	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.78*	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	795.12	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.76*	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	888.42	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.42*	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	995.03	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.75*	

26 05 36 00-1028 12" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1029	EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	617.96	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.90*	
26 05 36 00-1030	EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	667.04	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.35*	
26 05 36 00-1031	EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.68	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.53*	
26 05 36 00-1032	EA	18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	781.42	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.07*	
26 05 36 00-1033	EA	24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	865.15	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.26*	
26 05 36 00-1034	EA	30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	946.41	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.32*	
26 05 36 00-1035	EA	36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,093.64	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.68*	

26 05 36 00-1036 24" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1037	EA	6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	796.78	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1038	EA	9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	860.04	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.00*	
26 05 36 00-1039	EA	12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	894.52	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.73*	
26 05 36 00-1040	EA	18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	984.90	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.25*	
26 05 36 00-1041	EA	24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,094.03	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.70*	
26 05 36 00-1042	EA	30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,180.13	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.01*	
26 05 36 00-1043	EA	36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,546.85	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.34*	
26 05 36 00-1044		**36" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1045	EA	6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	983.12	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.16*	
26 05 36 00-1046	EA	9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,048.00	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.40*	
26 05 36 00-1047	EA	12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,124.62	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.23*	
26 05 36 00-1048	EA	18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,227.10	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.36*	
26 05 36 00-1049	EA	24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,378.74	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.94*	
26 05 36 00-1050	EA	30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,606.73	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.34*	
26 05 36 00-1051	EA	36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,840.43	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.02*	
26 05 36 00-1052		**12" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1053	EA	6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	839.78	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.99*	
26 05 36 00-1054	EA	9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	868.22	239.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.41*	
26 05 36 00-1055	EA	12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	887.41	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.37*	
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	933.17	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.66*	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	993.39	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.67*	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,050.86	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.54*	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,124.62	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.23*	
26 05 36 00-1060		**24" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,186.79	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.34*	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,213.92	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.70*	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,242.53	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.13*	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,309.12	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.46*	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,353.58	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.68*	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,430.66	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,579.71	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.99*	

26 05 36 00-1068 36" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,918.98	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-169.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.95*	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,958.35	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*97.92*	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,000.40	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*100.02*	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,071.07	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.55*	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,120.18	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-183.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*106.01*	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,249.90	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-192.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*112.50*	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,360.73	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-199.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*118.04*	

26 05 36 00-1076 12" Radius Horizontal Crosses *(26 05 36 00-0955)*

26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	801.37	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.07*	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	858.38	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.92*	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	891.76	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.59*	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	992.98	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.65*	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,086.99	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.35*	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,205.76	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.29*	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,380.52	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.03*	

26 05 36 00-1084 24" Radius Horizontal Crosses *(26 05 36 00-0955)*

26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,117.96	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.90*	
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,169.29	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.46*	
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,223.77	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.19*	
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,296.56	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.83*	
26 05 36 00-1089	EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,457.03	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.85*	
26 05 36 00-1090	EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,569.60	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.48*	
26 05 36 00-1091	EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,737.31	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.87*	

26 05 36 00-1092 36" Radius Horizontal Crosses *(26 05 36 00-0955)*

26 05 36 00-1093	EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,286.97	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.35*	
26 05 36 00-1094	EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,356.44	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.82*	
26 05 36 00-1095	EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,445.27	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1096	EA	18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,550.17	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.51*	
26 05 36 00-1097	EA	24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,873.70	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*93.69*	
26 05 36 00-1098	EA	30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,066.82	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.34*	
26 05 36 00-1099	EA	36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,301.17	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*115.06*	

26 05 36 00-1100 12" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1101	EA	6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	801.37	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.07*	
26 05 36 00-1102	EA	9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	858.57	327.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.93*	
26 05 36 00-1103	EA	12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	891.66	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.58*	
26 05 36 00-1104	EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	993.21	366.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.66*	
26 05 36 00-1105	EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,086.99	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.35*	
26 05 36 00-1106	EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,206.10	444.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.31*	
26 05 36 00-1107	EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,379.54	478.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.98*	

26 05 36 00-1108 24" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1109	EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,117.96	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.90*	
26 05 36 00-1110	EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,169.29	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.46*	
26 05 36 00-1111	EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,223.77	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.19*	
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,296.56	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.83*	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,457.03	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.85*	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,569.60	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.48*	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,737.31	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.87*	

26 05 36 00-1116 36" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,574.38	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.72*	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,655.82	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.79*	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,762.62	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.13*	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,888.48	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.42*	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,292.84	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-182.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*114.64*	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,530.87	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-201.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*126.54*	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,817.61	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-224.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*140.88*	

26 05 36 00-1124 9" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	326.17	130.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.31*	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	359.14	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.96*	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	405.90	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.30*	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	484.20	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.21*	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	569.78	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.49*	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	629.01	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.45*	
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	732.37	296.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.62*	

26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	419.47	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.97*	
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	461.47	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.07*	
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	500.20	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.01*	
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	587.85	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.39*	
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	667.30	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.37*	
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	746.95	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.35*	
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	856.17	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.81*	

26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	449.02	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.45*	
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	491.61	163.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.58*	
26 05 36 00-1144	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	549.17	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.46*	
26 05 36 00-1145	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	658.49	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.92*	
26 05 36 00-1146	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	761.30	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.07*	
26 05 36 00-1147	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	859.59	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.98*	
26 05 36 00-1148	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,000.16	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.01*	

26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1150	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	229.11	94.26
		For 60 Degree Bend, Deduct	*-39.49*	
		For 30 Degree Bend, Deduct	*-71.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.46*	
26 05 36 00-1151	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	263.20	113.06
		For 60 Degree Bend, Deduct	*-43.54*	
		For 30 Degree Bend, Deduct	*-78.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.16*	
26 05 36 00-1152	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	293.72	129.66
		For 60 Degree Bend, Deduct	*-47.22*	
		For 30 Degree Bend, Deduct	*-85.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1153	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	364.55	163.89
		For 60 Degree Bend, Deduct	*-57.50*	
		For 30 Degree Bend, Deduct	*-104.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.23*	
26 05 36 00-1154	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	448.17	200.70
		For 60 Degree Bend, Deduct	*-70.96*	
		For 30 Degree Bend, Deduct	*-129.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.41*	
26 05 36 00-1155	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	514.34	230.40
		For 60 Degree Bend, Deduct	*-81.40*	
		For 30 Degree Bend, Deduct	*-148.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.72*	
26 05 36 00-1156	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	586.65	270.46
		For 60 Degree Bend, Deduct	*-89.91*	
		For 30 Degree Bend, Deduct	*-164.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.33*	

26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1158	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	259.00	97.24
		For 60 Degree Bend, Deduct	*-48.21*	
		For 30 Degree Bend, Deduct	*-85.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.95*	
26 05 36 00-1159	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	303.49	117.21
		For 60 Degree Bend, Deduct	*-55.21*	
		For 30 Degree Bend, Deduct	*-98.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.17*	
26 05 36 00-1160	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	336.45	135.36
		For 60 Degree Bend, Deduct	*-59.15*	
		For 30 Degree Bend, Deduct	*-106.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.82*	
26 05 36 00-1161	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	407.33	172.84
		For 60 Degree Bend, Deduct	*-68.15*	
		For 30 Degree Bend, Deduct	*-123.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.37*	
26 05 36 00-1162	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	496.38	214.71
		For 60 Degree Bend, Deduct	*-81.52*	
		For 30 Degree Bend, Deduct	*-147.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.82*	
26 05 36 00-1163	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	581.37	249.07
		For 60 Degree Bend, Deduct	*-96.39*	
		For 30 Degree Bend, Deduct	*-174.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.07*	
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	668.76	296.52
		For 60 Degree Bend, Deduct	*-107.04*	
		For 30 Degree Bend, Deduct	*-194.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.44*	

26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	297.46	100.36
		For 60 Degree Bend, Deduct	*-59.71*	
		For 30 Degree Bend, Deduct	*-105.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.87*	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	336.16	121.88
		For 60 Degree Bend, Deduct	*-64.22*	
		For 30 Degree Bend, Deduct	*-113.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.81*	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	371.57	141.45
		For 60 Degree Bend, Deduct	*-68.40*	
		For 30 Degree Bend, Deduct	*-121.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.58*	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	454.91	183.08
		For 60 Degree Bend, Deduct	*-79.92*	
		For 30 Degree Bend, Deduct	*-143.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.75*	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	567.01	230.40
		For 60 Degree Bend, Deduct	*-98.78*	
		For 30 Degree Bend, Deduct	*-177.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	644.87	270.46
		For 60 Degree Bend, Deduct	*-109.12*	
		For 30 Degree Bend, Deduct	*-196.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.24*	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	759.14	327.39
		For 60 Degree Bend, Deduct	*-125.01*	
		For 30 Degree Bend, Deduct	*-226.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.96*	

26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	368.57	129.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.43*	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	407.65	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.38*	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	436.39	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.82*	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	503.61	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.18*	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	561.46	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.07*	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	617.92	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.90*	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	684.65	296.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.23*	

26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	390.36	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.52*	
26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	431.19	155.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.56*	
26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	464.16	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.21*	
26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	543.50	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.18*	
26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	611.86	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.59*	
26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	679.04	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.95*	
26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	767.46	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.37*	

26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	490.60	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.53*	
26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	533.42	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.67*	
26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	582.43	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.12*	
26 05 36 00-1193	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	672.35	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.62*	
26 05 36 00-1194	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	750.21	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.51*	
26 05 36 00-1195	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	840.18	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.01*	
26 05 36 00-1196	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	944.71	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.24*	

26 05 36 00-1197 12" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1198	EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	584.14	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1199	EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	631.01	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.55*	
26 05 36 00-1200	EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	654.09	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.70*	
26 05 36 00-1201	EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	737.62	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.88*	
26 05 36 00-1202	EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	816.91	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.85*	
26 05 36 00-1203	EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	890.41	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.52*	
26 05 36 00-1204	EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,026.55	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.33*	

26 05 36 00-1205 24" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1206	EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	739.12	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.96*	
26 05 36 00-1207	EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	799.05	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.95*	
26 05 36 00-1208	EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	831.87	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.59*	
26 05 36 00-1209	EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	916.71	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.84*	
26 05 36 00-1210	EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,019.74	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.99*	
26 05 36 00-1211	EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,098.63	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.93*	
26 05 36 00-1212	EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,422.10	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.11*	

26 05 36 00-1213 36" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1214	EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	901.62	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.08*	
26 05 36 00-1215	EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	964.28	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.21*	
26 05 36 00-1216	EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,033.14	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.66*	
26 05 36 00-1217	EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,130.63	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.53*	
26 05 36 00-1218	EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,272.29	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.61*	
26 05 36 00-1219	EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,472.00	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.60*	
26 05 36 00-1220	EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,690.74	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.54*	

26 05 36 00-1221 12" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1222	EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	763.83	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.19*	
26 05 36 00-1223	EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	790.05	239.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.50*	
26 05 36 00-1224	EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	808.68	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.43*	
26 05 36 00-1225	EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	852.78	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.64*	
26 05 36 00-1226	EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	906.35	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.32*	
26 05 36 00-1227	EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	962.16	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,033.14	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.66*	

26 05 36 00-1229 24" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,058.17	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.91*	
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,083.63	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.18*	
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,110.58	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.53*	
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,173.29	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.66*	
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,214.42	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.72*	
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,288.17	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.41*	
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,424.47	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.22*	

26 05 36 00-1237 36" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,674.29	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.71*	
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,710.48	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.52*	
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,749.36	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.47*	
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,816.84	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.84*	
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,862.77	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*93.14*	
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,982.97	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-165.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*99.15*	
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,090.62	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*104.53*	

26 05 36 00-1245 12" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	754.25	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.71*	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	806.27	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.31*	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	839.09	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.95*	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	929.22	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.46*	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,021.01	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.05*	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,128.14	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.41*	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,283.50	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.18*	

26 05 36 00-1253 24" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,027.59	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.38*	
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,076.14	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.81*	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,127.85	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.39*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1257		EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,195.65	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.01*	
			For 6" Overall Height Instead Of 4-5/8", Add	*59.78*	
26 05 36 00-1258		EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,347.26	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.81*	
			For 6" Overall Height Instead Of 4-5/8", Add	*67.36*	
26 05 36 00-1259		EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,452.07	518.62
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.99*	
			For 6" Overall Height Instead Of 4-5/8", Add	*72.60*	
26 05 36 00-1260		EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,604.80	565.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.37*	
			For 6" Overall Height Instead Of 4-5/8", Add	*80.24*	

26 05 36 00-1261 36" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1262		EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,180.52	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.64*	
			For 6" Overall Height Instead Of 4-5/8", Add	*59.03*	
26 05 36 00-1263		EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,245.55	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.00*	
			For 6" Overall Height Instead Of 4-5/8", Add	*62.28*	
26 05 36 00-1264		EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,327.74	444.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.77*	
			For 6" Overall Height Instead Of 4-5/8", Add	*66.39*	
26 05 36 00-1265		EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,424.88	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.57*	
			For 6" Overall Height Instead Of 4-5/8", Add	*71.24*	
26 05 36 00-1266		EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,718.46	565.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.73*	
			For 6" Overall Height Instead Of 4-5/8", Add	*85.92*	
26 05 36 00-1267		EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,894.95	621.31
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.72*	
			For 6" Overall Height Instead Of 4-5/8", Add	*94.75*	
26 05 36 00-1268		EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,109.90	692.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.31*	
			For 6" Overall Height Instead Of 4-5/8", Add	*105.50*	

26 05 36 00-1269 12" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1270		EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	754.25	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.49*	
			For 6" Overall Height Instead Of 4-5/8", Add	*37.71*	
26 05 36 00-1271		EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	806.27	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.34*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.31*	
26 05 36 00-1272		EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	839.09	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.12*	
			For 6" Overall Height Instead Of 4-5/8", Add	*41.95*	
26 05 36 00-1273		EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	929.22	366.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.40*	
			For 6" Overall Height Instead Of 4-5/8", Add	*46.46*	
26 05 36 00-1274		EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,021.01	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.54*	
			For 6" Overall Height Instead Of 4-5/8", Add	*51.05*	
26 05 36 00-1275		EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,128.14	444.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.81*	
			For 6" Overall Height Instead Of 4-5/8", Add	*56.41*	
26 05 36 00-1276		EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,281.54	477.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.33*	
			For 6" Overall Height Instead Of 4-5/8", Add	*64.08*	

26 05 36 00-1277 24" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1278		EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,027.59	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.97*	
			For 6" Overall Height Instead Of 4-5/8", Add	*51.38*	
26 05 36 00-1279		EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,076.14	366.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.09*	
			For 6" Overall Height Instead Of 4-5/8", Add	*53.81*	
26 05 36 00-1280		EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,127.85	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.37*	
			For 6" Overall Height Instead Of 4-5/8", Add	*56.39*	
26 05 36 00-1281		EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,195.65	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.01*	
			For 6" Overall Height Instead Of 4-5/8", Add	*59.78*	
26 05 36 00-1282		EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,347.26	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.81*	
			For 6" Overall Height Instead Of 4-5/8", Add	*67.36*	
26 05 36 00-1283		EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,452.07	518.62
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.99*	
			For 6" Overall Height Instead Of 4-5/8", Add	*72.60*	
26 05 36 00-1284		EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,604.80	565.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.37*	
			For 6" Overall Height Instead Of 4-5/8", Add	*80.24*	

26 05 36 00-1285 36" Radius Vertical Crosses *(26 05 36 00-1124)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,420.03	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.00*	
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,495.04	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.75*	
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,592.20	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.61*	
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,706.80	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.34*	
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,067.74	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.39*	
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,281.66	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*114.08*	
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,540.27	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-196.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*127.01*	

26 05 36 00-1293 12" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	318.50	130.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.93*	
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	351.28	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.56*	
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	396.59	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.83*	
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	473.73	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.69*	
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	556.78	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.84*	
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	615.23	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.76*	
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	715.68	296.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.78*	

26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	405.88	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.29*	
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	447.31	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.37*	
26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	485.35	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.27*	
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	571.75	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.59*	
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	649.64	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.48*	
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	727.65	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.38*	
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	834.43	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.72*	

26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	434.08	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.70*	
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	476.28	163.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.81*	
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	532.09	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.60*	
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	639.28	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.96*	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	739.56	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	835.72	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.79*	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	972.80	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.64*	
26 05 36 00-1318		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	224.07	94.26
		For 60 Degree Bend, Deduct	*-37.82*	
		For 30 Degree Bend, Deduct	*-68.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.20*	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	257.96	113.06
		For 60 Degree Bend, Deduct	*-41.81*	
		For 30 Degree Bend, Deduct	*-75.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.90*	
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	288.29	129.66
		For 60 Degree Bend, Deduct	*-45.43*	
		For 30 Degree Bend, Deduct	*-82.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.41*	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	358.15	163.89
		For 60 Degree Bend, Deduct	*-55.38*	
		For 30 Degree Bend, Deduct	*-101.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.91*	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	440.21	200.70
		For 60 Degree Bend, Deduct	*-68.33*	
		For 30 Degree Bend, Deduct	*-125.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.01*	
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	505.22	230.40
		For 60 Degree Bend, Deduct	*-78.39*	
		For 30 Degree Bend, Deduct	*-143.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.26*	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	577.14	270.46
		For 60 Degree Bend, Deduct	*-86.77*	
		For 30 Degree Bend, Deduct	*-159.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.86*	
26 05 36 00-1326		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	252.21	97.24
		For 60 Degree Bend, Deduct	*-45.97*	
		For 30 Degree Bend, Deduct	*-82.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.61*	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	295.92	117.21
		For 60 Degree Bend, Deduct	*-52.72*	
		For 30 Degree Bend, Deduct	*-94.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.80*	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	328.69	135.36
		For 60 Degree Bend, Deduct	*-56.59*	
		For 30 Degree Bend, Deduct	*-101.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.43*	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	398.99	172.84
		For 60 Degree Bend, Deduct	*-65.40*	
		For 30 Degree Bend, Deduct	*-118.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.95*	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	486.67	214.71
		For 60 Degree Bend, Deduct	*-78.31*	
		For 30 Degree Bend, Deduct	*-142.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.33*	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	569.72	249.07
		For 60 Degree Bend, Deduct	*-92.55*	
		For 30 Degree Bend, Deduct	*-168.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.49*	
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	656.54	296.52
		For 60 Degree Bend, Deduct	*-103.01*	
		For 30 Degree Bend, Deduct	*-188.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.83*	
26 05 36 00-1334		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	288.34	100.36
		For 60 Degree Bend, Deduct	*-56.70*	
		For 30 Degree Bend, Deduct	*-100.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	326.85	121.88
		For 60 Degree Bend, Deduct	*-61.15*	
		For 30 Degree Bend, Deduct	*-108.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.34*	
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	362.06	141.45
		For 60 Degree Bend, Deduct	*-65.26*	
		For 30 Degree Bend, Deduct	*-116.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.10*	
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	444.44	183.08
		For 60 Degree Bend, Deduct	*-76.46*	
		For 30 Degree Bend, Deduct	*-137.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.22*	
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	554.20	230.40
		For 60 Degree Bend, Deduct	*-94.55*	
		For 30 Degree Bend, Deduct	*-170.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.71*	
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	631.28	270.46
		For 60 Degree Bend, Deduct	*-104.63*	
		For 30 Degree Bend, Deduct	*-189.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.56*	
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	744.20	327.39
		For 60 Degree Bend, Deduct	*-120.08*	
		For 30 Degree Bend, Deduct	*-218.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.21*	

26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1343	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	353.32	129.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.67*	
26 05 36 00-1344	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	391.57	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.58*	
26 05 36 00-1345	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	420.04	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.00*	
26 05 36 00-1346	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	486.70	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.34*	
26 05 36 00-1347	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	543.72	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.19*	
26 05 36 00-1348	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	599.35	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.97*	
26 05 36 00-1349	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	665.52	296.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.28*	

26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1351	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	373.87	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.69*	
26 05 36 00-1352	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	414.00	155.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.70*	
26 05 36 00-1353	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	446.56	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.33*	
26 05 36 00-1354	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	524.93	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.25*	
26 05 36 00-1355	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	592.18	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.61*	
26 05 36 00-1356	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	658.25	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.91*	
26 05 36 00-1357	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	745.28	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.26*	

26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1359	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	465.10	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.26*	
26 05 36 00-1360	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	507.36	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.37*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1361		EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	554.71	183.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.21*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.74*	
26 05 36 00-1362		EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	643.52	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.15*	
			For 6" Overall Height Instead Of 4-5/8", Add	*32.18*	
26 05 36 00-1363		EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	720.27	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.49*	
			For 6" Overall Height Instead Of 4-5/8", Add	*36.01*	
26 05 36 00-1364		EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	808.03	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.87*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.40*	
26 05 36 00-1365		EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	911.17	365.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.65*	
			For 6" Overall Height Instead Of 4-5/8", Add	*45.56*	

26 05 36 00-1366 12" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1367		EA	6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	567.23	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.97*	
			For 6" Overall Height Instead Of 4-5/8", Add	*28.36*	
26 05 36 00-1368		EA	9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	612.99	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.76*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.65*	
26 05 36 00-1369		EA	12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	635.79	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.02*	
			For 6" Overall Height Instead Of 4-5/8", Add	*31.79*	
26 05 36 00-1370		EA	18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	715.72	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.64*	
			For 6" Overall Height Instead Of 4-5/8", Add	*35.79*	
26 05 36 00-1371		EA	24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	792.80	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.49*	
			For 6" Overall Height Instead Of 4-5/8", Add	*39.64*	
26 05 36 00-1372		EA	30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	862.41	366.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.72*	
			For 6" Overall Height Instead Of 4-5/8", Add	*43.12*	
26 05 36 00-1373		EA	36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	993.01	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.74*	
			For 6" Overall Height Instead Of 4-5/8", Add	*49.65*	

26 05 36 00-1374 24" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1375		EA	6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	710.29	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.49*	
			For 6" Overall Height Instead Of 4-5/8", Add	*35.51*	
26 05 36 00-1376		EA	9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	768.56	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.15*	
			For 6" Overall Height Instead Of 4-5/8", Add	*38.43*	
26 05 36 00-1377		EA	12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	800.54	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.12*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.03*	
26 05 36 00-1378		EA	18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	882.61	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.47*	
			For 6" Overall Height Instead Of 4-5/8", Add	*44.13*	
26 05 36 00-1379		EA	24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	982.60	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.85*	
			For 6" Overall Height Instead Of 4-5/8", Add	*49.13*	
26 05 36 00-1380		EA	30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,057.88	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.23*	
			For 6" Overall Height Instead Of 4-5/8", Add	*52.89*	
26 05 36 00-1381		EA	36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,359.73	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.05*	
			For 6" Overall Height Instead Of 4-5/8", Add	*67.99*	

26 05 36 00-1382 36" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1383		EA	6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	860.87	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.38*	
			For 6" Overall Height Instead Of 4-5/8", Add	*43.04*	
26 05 36 00-1384		EA	9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	922.42	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.96*	
			For 6" Overall Height Instead Of 4-5/8", Add	*46.12*	
26 05 36 00-1385		EA	12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	987.40	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.95*	
			For 6" Overall Height Instead Of 4-5/8", Add	*49.37*	
26 05 36 00-1386		EA	18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,082.39	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.83*	
			For 6" Overall Height Instead Of 4-5/8", Add	*54.12*	
26 05 36 00-1387		EA	24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,219.07	444.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.90*	
			For 6" Overall Height Instead Of 4-5/8", Add	*60.95*	
26 05 36 00-1388		EA	30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,404.64	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.55*	
			For 6" Overall Height Instead Of 4-5/8", Add	*70.23*	
26 05 36 00-1389		EA	36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,615.89	565.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.48*	
			For 6" Overall Height Instead Of 4-5/8", Add	*80.79*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1390			**12" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1391		EA	6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	725.85	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.38*	
			For 6" Overall Height Instead Of 4-5/8", Add	*36.29*	
26 05 36 00-1392		EA	9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	750.96	239.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.14*	
			For 6" Overall Height Instead Of 4-5/8", Add	*37.55*	
26 05 36 00-1393		EA	12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	769.32	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.18*	
			For 6" Overall Height Instead Of 4-5/8", Add	*38.47*	
26 05 36 00-1394		EA	18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	812.58	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.72*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.63*	
26 05 36 00-1395		EA	24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	862.83	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.73*	
			For 6" Overall Height Instead Of 4-5/8", Add	*43.14*	
26 05 36 00-1396		EA	30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	917.80	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.85*	
			For 6" Overall Height Instead Of 4-5/8", Add	*45.89*	
26 05 36 00-1397		EA	36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	987.40	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.95*	
			For 6" Overall Height Instead Of 4-5/8", Add	*49.37*	
26 05 36 00-1398			**24" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1399		EA	6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	993.86	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.63*	
			For 6" Overall Height Instead Of 4-5/8", Add	*49.69*	
26 05 36 00-1400		EA	9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,018.49	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.24*	
			For 6" Overall Height Instead Of 4-5/8", Add	*50.92*	
26 05 36 00-1401		EA	12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,044.60	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.92*	
			For 6" Overall Height Instead Of 4-5/8", Add	*52.23*	
26 05 36 00-1402		EA	18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,105.37	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.83*	
			For 6" Overall Height Instead Of 4-5/8", Add	*55.27*	
26 05 36 00-1403		EA	24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,144.84	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.55*	
			For 6" Overall Height Instead Of 4-5/8", Add	*57.24*	
26 05 36 00-1404		EA	30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,216.93	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.91*	
			For 6" Overall Height Instead Of 4-5/8", Add	*60.85*	
26 05 36 00-1405		EA	36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,346.85	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.27*	
			For 6" Overall Height Instead Of 4-5/8", Add	*67.34*	
26 05 36 00-1406			**36" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1407		EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,551.94	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.65*	
			For 6" Overall Height Instead Of 4-5/8", Add	*77.60*	
26 05 36 00-1408		EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,586.55	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.10*	
			For 6" Overall Height Instead Of 4-5/8", Add	*79.33*	
26 05 36 00-1409		EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,623.83	296.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.68*	
			For 6" Overall Height Instead Of 4-5/8", Add	*81.19*	
26 05 36 00-1410		EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,689.72	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-141.69*	
			For 6" Overall Height Instead Of 4-5/8", Add	*84.49*	
26 05 36 00-1411		EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,734.07	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.62*	
			For 6" Overall Height Instead Of 4-5/8", Add	*86.70*	
26 05 36 00-1412		EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,849.50	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.54*	
			For 6" Overall Height Instead Of 4-5/8", Add	*92.48*	
26 05 36 00-1413		EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,955.56	444.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.55*	
			For 6" Overall Height Instead Of 4-5/8", Add	*97.78*	
26 05 36 00-1414			**12" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1415		EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	730.69	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.14*	
			For 6" Overall Height Instead Of 4-5/8", Add	*36.53*	
26 05 36 00-1416		EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	780.21	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.74*	
			For 6" Overall Height Instead Of 4-5/8", Add	*39.01*	
26 05 36 00-1417		EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	812.76	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.49*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.64*	
26 05 36 00-1418		EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	897.34	366.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.21*	
			For 6" Overall Height Instead Of 4-5/8", Add	*44.87*	
26 05 36 00-1419		EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	988.02	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.25*	
			For 6" Overall Height Instead Of 4-5/8", Add	*49.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,089.34	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.47*	
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,234.99	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.75*	

26 05 36 00-1422 24" Radius Horizontal Crosses *(26 05 36 00-1293)*

26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	982.41	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.12*	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,029.57	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.48*	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,079.90	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.00*	
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,145.20	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.26*	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,292.37	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.62*	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,393.30	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.67*	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,538.55	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.93*	

26 05 36 00-1430 36" Radius Horizontal Crosses *(26 05 36 00-1293)*

26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,127.30	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.37*	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,190.11	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.51*	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,268.97	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.45*	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,362.23	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.11*	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,640.84	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.04*	
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,809.02	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.45*	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,014.26	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*100.71*	

26 05 36 00-1438 12" Radius Vertical Crosses *(26 05 36 00-1293)*

26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	730.69	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.53*	
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	780.40	327.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.02*	
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	812.66	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.63*	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	897.57	366.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.88*	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	988.02	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.40*	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,089.68	444.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.48*	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,234.01	478.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.70*	

26 05 36 00-1446 24" Radius Vertical Crosses *(26 05 36 00-1293)*

26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	982.41	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.12*	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,029.57	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,079.90	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.00*	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,145.20	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.26*	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,292.37	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.62*	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,393.30	518.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.67*	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,538.55	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.93*	
26 05 36 00-1454		**36" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,342.86	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.14*	
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,414.65	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.73*	
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,506.98	444.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.35*	
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,615.96	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.80*	
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,955.20	565.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*97.76*	
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,157.06	621.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*107.85*	
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,401.59	692.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-182.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*120.08*	
26 05 36 00-1462		**Dropout Or End Plates And Reducers** *(26 05 36 00-0744)*		
26 05 36 00-1463		**Straight Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1464	EA	9" To 6" Reducer, Aluminum Cable Tray	284.26	95.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.21*	
26 05 36 00-1465	EA	12" To 9" Reducer, Aluminum Cable Tray	300.21	103.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.01*	
26 05 36 00-1466	EA	18" To 12" Reducer, Aluminum Cable Tray	329.64	119.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.48*	
26 05 36 00-1467	EA	24" To 18" Reducer, Aluminum Cable Tray	363.61	138.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.18*	
26 05 36 00-1468	EA	30" To 24" Reducer, Aluminum Cable Tray	395.15	155.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.76*	
26 05 36 00-1469	EA	36" To 30" Reducer, Aluminum Cable Tray	440.44	177.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.02*	
26 05 36 00-1470		**Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1471	EA	18" To 6" Reducer, Aluminum Cable Tray	329.76	119.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.49*	
26 05 36 00-1472	EA	24" To 12" Reducer, Aluminum Cable Tray	363.93	138.48
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.20*	
26 05 36 00-1473	EA	30" To 12" Reducer, Aluminum Cable Tray	394.94	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.75*	
26 05 36 00-1474	EA	30" To 18" Reducer, Aluminum Cable Tray	397.51	155.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.88*	
26 05 36 00-1475	EA	36" To 12" Reducer, Aluminum Cable Tray	437.67	177.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.88*	
26 05 36 00-1476	EA	36" To 18" Reducer, Aluminum Cable Tray	448.22	182.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.41*	
26 05 36 00-1477	EA	36" To 24" Reducer, Aluminum Cable Tray	463.48	188.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.17*	
26 05 36 00-1478		**Dropout Or End Plate** *(26 05 36 00-1462)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1479	EA	6" Dropout Or End Plate, Aluminum Cable Tray	81.31	38.90
26 05 36 00-1480	EA	9" Dropout Or End Plate, Aluminum Cable Tray	91.64	44.47
26 05 36 00-1481	EA	12" Dropout Or End Plate, Aluminum Cable Tray	98.86	47.84
26 05 36 00-1482	EA	18" Dropout Or End Plate, Aluminum Cable Tray	119.89	56.53
26 05 36 00-1483	EA	24" Dropout Or End Plate, Aluminum Cable Tray	133.80	62.24
26 05 36 00-1484	EA	30" Dropout Or End Plate, Aluminum Cable Tray	151.03	69.10
26 05 36 00-1485	EA	36" Dropout Or End Plate, Aluminum Cable Tray	169.44	77.79

26 05 36 00-1486 Solid Bottom Cable Tray *(26 05 36 00-0001)*

Note: 3-5/8" Height.

26 05 36 00-1487 Solid Bottom Galvanized Steel Straight Tray Sections *(26 05 36 00-1486)*

26 05 36 00-1488	LF	6" Solid Bottom Steel Cable Tray, Straight Section	33.41	10.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.31*	
26 05 36 00-1489	LF	12" Solid Bottom Steel Cable Tray, Straight Section	41.63	12.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.17*	
26 05 36 00-1490	LF	18" Solid Bottom Steel Cable Tray, Straight Section	55.51	17.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.34*	
26 05 36 00-1491	LF	24" Solid Bottom Steel Cable Tray, Straight Section	64.23	20.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.21*	
26 05 36 00-1492	LF	30" Solid Bottom Steel Cable Tray, Straight Section	76.97	24.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.41*	
26 05 36 00-1493	LF	36" Solid Bottom Steel Cable Tray, Straight Section	98.36	28.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*10.03*	

26 05 36 00-1494 Solid Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-1486)*

26 05 36 00-1495 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1496	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	340.80	129.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.50*	
26 05 36 00-1497	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	443.87	182.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.14*	
26 05 36 00-1498	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	543.49	230.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.12*	
26 05 36 00-1499	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	666.14	283.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.74*	
26 05 36 00-1500	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	778.29	328.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.08*	
26 05 36 00-1501	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	874.50	366.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.13*	

26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1503	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	402.13	135.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.79*	
26 05 36 00-1504	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	531.24	194.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.24*	
26 05 36 00-1505	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	654.19	249.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.62*	
26 05 36 00-1506	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	797.63	311.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.78*	
26 05 36 00-1507	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	935.63	365.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.42*	
26 05 36 00-1508	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	1,057.33	414.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.49*	

26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1510	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	494.31	141.19
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.62*	
26 05 36 00-1511	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	637.78	207.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.04*	
26 05 36 00-1512	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	807.69	270.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.01*	
26 05 36 00-1513	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	961.87	345.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.71*	
26 05 36 00-1514	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,154.49	414.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*104.06*	
26 05 36 00-1515	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,317.08	477.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*117.92*	

26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1517	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	309.81	129.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.83*	
26 05 36 00-1518	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	408.99	182.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.91*	
26 05 36 00-1519	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	503.18	230.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.12*	
26 05 36 00-1520	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	616.86	282.65
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.42*	
26 05 36 00-1521	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	720.37	328.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.39*	
26 05 36 00-1522	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	807.34	365.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.17*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1523			**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1524		EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	358.08	135.23
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.17*	
26 05 36 00-1525		EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	479.22	194.48
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.47*	
26 05 36 00-1526		EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	594.93	249.33
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.68*	
26 05 36 00-1527		EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	727.88	311.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.32*	
26 05 36 00-1528		EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	855.19	366.28
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.24*	
26 05 36 00-1529		EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	965.78	414.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.75*	
26 05 36 00-1530			**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1531		EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	429.88	141.32
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.93*	
26 05 36 00-1532		EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	532.69	188.39
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.49*	
26 05 36 00-1533		EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	718.63	270.85
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.65*	
26 05 36 00-1534		EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	866.36	346.06
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.28*	
26 05 36 00-1535		EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,038.65	414.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.68*	
26 05 36 00-1536		EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,188.87	479.08
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*98.49*	
26 05 36 00-1537			**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1538		EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	367.63	129.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.58*	
26 05 36 00-1539		EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	463.80	182.56
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.13*	
26 05 36 00-1540		EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	545.98	230.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.49*	
26 05 36 00-1541		EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	661.16	283.04
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.99*	
26 05 36 00-1542		EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	748.40	328.03
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.60*	
26 05 36 00-1543		EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	818.55	365.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.85*	
26 05 36 00-1544			**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1545		EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	439.50	135.10
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.40*	
26 05 36 00-1546		EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	558.64	194.61
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.35*	
26 05 36 00-1547		EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	669.14	249.07
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.87*	
26 05 36 00-1548		EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	795.14	311.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.41*	
26 05 36 00-1549		EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	900.76	365.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.19*	
26 05 36 00-1550		EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	1,010.00	414.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.39*	
26 05 36 00-1551			**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1552		EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	526.70	141.19
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.48*	
26 05 36 00-1553		EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	641.04	188.78
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.69*	
26 05 36 00-1554		EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	807.69	270.85
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.01*	
26 05 36 00-1555		EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	966.86	345.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.46*	
26 05 36 00-1556		EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,117.12	414.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*98.46*	
26 05 36 00-1557		EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,259.78	477.79
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.33*	
26 05 36 00-1558			**12" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1559		EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	589.42	249.07
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.91*	
26 05 36 00-1560		EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	707.13	310.66
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.29*	
26 05 36 00-1561		EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	834.64	366.28
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.15*	
26 05 36 00-1562		EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	993.35	444.98
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,084.87	479.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.89*	
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,271.11	565.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.44*	

26 05 36 00-1565 24" Radius Horizontal Tees *(26 05 36 00-1494)*

26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	722.36	270.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.27*	
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	892.12	345.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.24*	
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,042.39	414.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.25*	
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,340.20	518.62
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*114.59*	
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,460.44	565.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*124.84*	
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,714.04	692.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*141.75*	

26 05 36 00-1572 36" Radius Horizontal Tees *(26 05 36 00-1494)*

26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	920.11	296.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.60*	
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,124.10	388.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*103.79*	
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,316.55	479.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*117.64*	
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,607.42	565.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*146.89*	
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,761.36	623.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*160.31*	
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	2,043.92	777.94
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*176.93*	

26 05 36 00-1579 12" Radius Vertical Tees *(26 05 36 00-1494)*

26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	701.53	249.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.73*	
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	817.56	311.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.77*	
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	879.66	345.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.38*	
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	943.11	365.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.54*	
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,047.37	414.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.99*	
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,167.07	479.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*95.22*	

26 05 36 00-1586 24" Radius Vertical Tees *(26 05 36 00-1494)*

26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	874.32	270.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.07*	
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,019.17	345.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*95.30*	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,114.13	388.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.29*	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,179.40	414.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*107.80*	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,333.98	479.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*120.26*	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,502.79	565.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*131.19*	

26 05 36 00-1593 36" Radius Vertical Tees *(26 05 36 00-1494)*

26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,153.53	296.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*123.69*	
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,320.90	388.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*133.31*	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,462.49	444.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*145.37*	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,545.73	479.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*152.02*	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,814.18	565.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*177.90*	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,957.34	621.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*190.04*	

26 05 36 00-1600 12" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	727.88	311.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.32*	
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	837.13	366.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,006.61	444.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.99*	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,163.32	518.62
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.06*	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,369.42	621.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*101.85*	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,519.72	692.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*112.61*	

26 05 36 00-1607 24" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	957.91	346.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.01*	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,117.12	414.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*98.46*	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,340.20	518.62
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*114.59*	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,649.26	623.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*143.50*	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,813.68	692.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*156.70*	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,994.10	777.94
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*169.46*	

26 05 36 00-1614 36" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,271.08	388.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*125.83*	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,483.45	479.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*142.68*	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,786.27	623.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*164.05*	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,037.89	692.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*190.33*	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,255.67	777.94
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*208.69*	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,501.48	888.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*227.21*	

26 05 36 00-1621 Straight Reducers *(26 05 36 00-1494)*

26 05 36 00-1622	EA	12" To 6" Reducer, Solid Bottom, Steel Cable Tray	294.95	103.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.95*	
26 05 36 00-1623	EA	18" To 12" Reducer, Solid Bottom, Steel Cable Tray	319.94	117.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.45*	
26 05 36 00-1624	EA	24" To 18" Reducer, Solid Bottom, Steel Cable Tray	354.64	135.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.69*	
26 05 36 00-1625	EA	30" To 24" Reducer, Solid Bottom, Steel Cable Tray	398.83	155.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.89*	
26 05 36 00-1626	EA	36" To 30" Reducer, Solid Bottom, Steel Cable Tray	432.10	172.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.05*	

26 05 36 00-1627 Reducers *(26 05 36 00-1494)*

26 05 36 00-1628	EA	18" To 6" Reducer, Solid Bottom, Steel Cable Tray	320.06	117.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.46*	
26 05 36 00-1629	EA	24" To 12" Reducer, Solid Bottom, Steel Cable Tray	352.62	135.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.34*	
26 05 36 00-1630	EA	30" To 12" Reducer, Solid Bottom, Steel Cable Tray	393.63	155.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.13*	
26 05 36 00-1631	EA	30" To 18" Reducer, Solid Bottom, Steel Cable Tray	395.91	155.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.50*	
26 05 36 00-1632	EA	36" To 12" Reducer, Solid Bottom, Steel Cable Tray	429.61	172.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.68*	
26 05 36 00-1633	EA	36" To 18" Reducer, Solid Bottom, Steel Cable Tray	432.10	172.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.05*	
26 05 36 00-1634	EA	36" To 24" Reducer, Solid Bottom, Steel Cable Tray	435.11	172.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.45*	

26 05 36 00-1635 Dropout Or End Plate *(26 05 36 00-1494)*

26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	90.23	38.90
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	110.73	47.46
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	127.75	56.27
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	143.70	62.24
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	159.99	69.10
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	177.62	77.79

26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections *(26 05 36 00-1486)*

26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section	29.59	8.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.07*	
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section	36.87	9.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.94*	
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section	47.12	12.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section	56.00	13.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.12*	
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section	68.70	17.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.35*	
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section	81.61	19.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*8.99*	

26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings *(26 05 36 00-1486)*

26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	344.59	129.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.06*	
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	416.78	163.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.28*	
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	481.41	182.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.72*	
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	560.72	214.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.29*	
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	662.25	249.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.78*	
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	748.59	283.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.11*	

26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	407.76	135.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.64*	
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	504.98	173.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.91*	
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	570.82	194.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.21*	
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	688.88	230.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.93*	
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	799.16	270.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.85*	
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	919.72	311.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.10*	

26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	505.97	141.19
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.37*	
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	630.39	183.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.01*	
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	731.36	207.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.07*	
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	827.64	248.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.70*	
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	961.40	296.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*94.80*	
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,122.22	344.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*110.86*	

26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	316.50	129.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.84*	
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	385.01	163.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.51*	
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	442.30	182.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.88*	
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	515.37	214.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.57*	
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	607.98	249.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.64*	
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	686.32	282.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.90*	

26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	367.77	135.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.62*	
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	457.07	172.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.75*	
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	517.20	194.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.10*	
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	621.82	230.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.87*	
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	723.64	270.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.40*	
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	831.48	311.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.86*	

26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1649)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	446.75	141.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.46*	
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	558.34	182.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.26*	
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	646.65	207.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.37*	
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	737.81	249.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.11*	
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	858.60	296.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.38*	
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,003.81	346.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.90*	
26 05 36 00-1692		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	368.09	129.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.65*	
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	430.81	163.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.38*	
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	483.42	182.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.02*	
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	546.69	214.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.19*	
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	616.12	249.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.86*	
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	677.02	282.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.51*	
26 05 36 00-1699		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	441.85	135.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.75*	
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	523.03	173.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.62*	
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	576.83	194.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.11*	
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	658.80	230.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.42*	
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	741.00	270.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.13*	
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	839.50	311.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.06*	
26 05 36 00-1706		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	520.01	141.19
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.48*	
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	626.38	183.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.41*	
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	695.27	207.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.66*	
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	777.50	248.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.17*	
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	895.22	296.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.87*	
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	991.86	344.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.31*	
26 05 36 00-1713		**12" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	613.58	249.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.53*	
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	711.11	282.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.62*	
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	789.36	311.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.54*	
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	879.59	346.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.26*	
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,040.09	414.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.90*	
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,265.48	518.62
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*103.38*	
26 05 36 00-1720		**24" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1721	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	777.71	270.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.57*	
26 05 36 00-1722	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	887.63	311.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.28*	
26 05 36 00-1723	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	992.88	345.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.36*	
26 05 36 00-1724	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,202.53	414.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.27*	
26 05 36 00-1725	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,445.97	518.62
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*130.46*	
26 05 36 00-1726	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,596.80	566.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*145.02*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1727			**36" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1728		EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,025.57	296.52
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*104.42*	
26 05 36 00-1729		EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,157.33	345.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*116.03*	
26 05 36 00-1730		EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,320.12	388.97
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*133.19*	
26 05 36 00-1731		EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,578.56	477.79
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*157.14*	
26 05 36 00-1732		EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,901.28	623.39
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*181.30*	
26 05 36 00-1733		EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,116.16	692.11
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*202.07*	
26 05 36 00-1734			**12" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1735		EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	697.81	249.07
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.17*	
26 05 36 00-1736		EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	759.92	282.65
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.88*	
26 05 36 00-1737		EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	794.19	296.00
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.79*	
26 05 36 00-1738		EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	838.68	310.66
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.02*	
26 05 36 00-1739		EA	30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	924.70	345.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.13*	
26 05 36 00-1740		EA	36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,060.14	414.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.91*	
26 05 36 00-1741			**24" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1742		EA	6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	867.96	270.46
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.11*	
26 05 36 00-1743		EA	12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	959.83	311.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.11*	
26 05 36 00-1744		EA	18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,016.98	327.39
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*97.98*	
26 05 36 00-1745		EA	24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,087.14	345.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.50*	
26 05 36 00-1746		EA	30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,209.82	388.97
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*116.65*	
26 05 36 00-1747		EA	36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,388.04	477.79
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*128.56*	
26 05 36 00-1748			**36" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1749		EA	6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,145.15	296.00
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*122.44*	
26 05 36 00-1750		EA	12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,250.54	341.26
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*130.71*	
26 05 36 00-1751		EA	18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,331.27	365.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*138.76*	
26 05 36 00-1752		EA	24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,390.31	388.97
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*143.72*	
26 05 36 00-1753		EA	30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,542.25	444.08
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*157.33*	
26 05 36 00-1754		EA	36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,030.51	565.30
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.35*	
26 05 36 00-1755			**12" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1756		EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	723.82	282.65
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.46*	
26 05 36 00-1757		EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	803.40	311.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.65*	
26 05 36 00-1758		EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	934.18	365.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.20*	
26 05 36 00-1759		EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,109.06	444.08
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.35*	
26 05 36 00-1760		EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,213.56	477.79
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.39*	
26 05 36 00-1761		EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,406.28	566.99
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*116.44*	
26 05 36 00-1762			**24" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1763		EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	960.66	311.69
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.15*	
26 05 36 00-1764		EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,087.14	345.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.50*	
26 05 36 00-1765		EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,246.65	414.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*117.88*	
26 05 36 00-1766		EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,538.53	520.05
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*144.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,687.05	566.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*158.56*	
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,925.63	692.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*173.49*	

26 05 36 00-1769 36" Radius Horizontal Crosses *(26 05 36 00-1649)*

26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,327.80	345.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*141.60*	
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,460.50	388.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*154.25*	
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,700.85	479.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*175.29*	
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,021.61	623.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*199.35*	
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,216.43	692.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*217.11*	
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,539.97	777.94
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*251.34*	

26 05 36 00-1776 Straight Reducers *(26 05 36 00-1649)*

26 05 36 00-1777	EA	12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	272.62	88.94
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.07*	
26 05 36 00-1778	EA	18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	300.95	103.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.88*	
26 05 36 00-1779	EA	24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	331.75	117.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.22*	
26 05 36 00-1780	EA	30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	373.83	135.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.53*	
26 05 36 00-1781	EA	36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray	415.33	155.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.41*	

26 05 36 00-1782 Reducers *(26 05 36 00-1649)*

26 05 36 00-1783	EA	18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	299.04	103.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.59*	
26 05 36 00-1784	EA	24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	330.10	117.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.94*	
26 05 36 00-1785	EA	30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	369.66	135.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.92*	
26 05 36 00-1786	EA	30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	371.50	135.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.22*	
26 05 36 00-1787	EA	36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	415.33	155.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.41*	
26 05 36 00-1788	EA	36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	417.33	155.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.71*	
26 05 36 00-1789	EA	36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	421.76	155.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.33*	

26 05 36 00-1790 Dropout Or End Plate *(26 05 36 00-1649)*

26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	90.19	38.90
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	107.77	47.46
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	128.16	56.27
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	141.52	62.24
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	159.27	69.10
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	180.80	77.79

26 05 36 00-1797 Vented Bottom Cable Tray *(26 05 36 00-0001)*

Note: 6" Height.

26 05 36 00-1798 Vented Bottom Galvanized Steel Cable Tray *(26 05 36 00-1797)*

26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section	42.97	13.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.16*	
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section	50.56	15.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.76*	
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section	59.54	17.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.46*	
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section	68.33	20.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.12*	
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section	90.25	24.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.96*	
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section	106.70	31.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-8.07*	

26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-1797)*

26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	397.66	163.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.11*	
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	517.48	221.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.27*	
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	641.13	282.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.56*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1810		EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	786.35	346.06
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.80*	
26 05 36 00-1811		EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	887.11	389.75
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.23*	
26 05 36 00-1812		EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	1,016.53	444.98
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.57*	

26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1814		EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	471.83	172.71
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.79*	
26 05 36 00-1815		EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	611.10	239.47
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.15*	
26 05 36 00-1816		EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	774.78	311.17
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.55*	
26 05 36 00-1817		EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	937.04	388.97
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.29*	
26 05 36 00-1818		EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,002.72	401.81
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.79*	
26 05 36 00-1819		EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,250.95	518.62
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.88*	

26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1821		EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	579.15	182.56
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.70*	
26 05 36 00-1822		EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	747.14	259.71
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.08*	
26 05 36 00-1823		EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	954.02	346.06
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.56*	
26 05 36 00-1824		EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,138.27	444.08
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.82*	
26 05 36 00-1825		EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,311.50	518.62
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.93*	
26 05 36 00-1826		EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,533.95	621.31
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-101.62*	

26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1828		EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	370.48	164.02
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.38*	
26 05 36 00-1829		EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	484.94	221.71
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.01*	
26 05 36 00-1830		EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	603.05	282.26
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.78*	
26 05 36 00-1831		EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	739.22	345.40
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.14*	
26 05 36 00-1832		EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	834.86	389.75
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.01*	
26 05 36 00-1833		EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	954.39	444.08
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.44*	

26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1835		EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	431.63	172.84
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.76*	
26 05 36 00-1836		EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	564.47	239.47
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.49*	
26 05 36 00-1837		EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	719.26	311.69
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.95*	
26 05 36 00-1838		EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	873.52	388.97
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.94*	
26 05 36 00-1839		EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,001.49	444.98
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.06*	
26 05 36 00-1840		EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,165.91	518.62
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.37*	

26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1842		EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	519.27	182.95
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.68*	
26 05 36 00-1843		EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	676.83	258.93
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.10*	
26 05 36 00-1844		EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	871.02	346.06
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.26*	
26 05 36 00-1845		EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,052.35	444.98
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.15*	
26 05 36 00-1846		EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,213.13	518.62
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.09*	
26 05 36 00-1847		EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,427.63	623.39
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.82*	

26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1849		EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	433.06	163.37
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	548.91	221.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.41*	
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	652.77	282.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.72*	
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	784.02	346.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.56*	
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	861.50	389.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.67*	
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	963.61	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.36*	

26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	518.41	172.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.45*	
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	643.70	239.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.41*	
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	788.75	311.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.94*	
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	927.73	388.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.36*	
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,054.43	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.44*	
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,192.73	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.05*	

26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	616.41	182.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.42*	
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	763.44	259.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.71*	
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	944.70	346.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.63*	
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,133.61	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.36*	
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,267.25	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.51*	
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,482.72	621.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.49*	

26 05 36 00-1869 12" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	707.25	311.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.79*	
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	856.58	388.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.31*	
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	979.27	444.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.84*	
26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,139.17	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.70*	
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,256.65	565.30
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.55*	
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,380.25	621.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.25*	

26 05 36 00-1876 24" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	887.79	345.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.99*	
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,080.05	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.00*	
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,243.97	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.18*	
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,529.29	621.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-101.15*	
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,689.13	692.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-111.24*	
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,888.07	777.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-123.98*	

26 05 36 00-1883 36" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,095.40	388.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.13*	
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,374.38	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-94.22*	
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,595.49	623.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-107.60*	
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,967.25	777.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-131.90*	
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,197.15	892.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-145.37*	
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,562.50	1,034.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-170.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 00-1890 12" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	833.00	311.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.37*	
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	967.32	388.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.32*	
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,017.15	414.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.16*	
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,084.70	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.47*	
26 05 36 00-1895	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,163.99	479.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.48*	
26 05 36 00-1896	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,314.87	565.30
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.37*	

26 05 36 00-1897 24" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1898	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	997.24	345.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.94*	
26 05 36 00-1899	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,182.51	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.25*	
26 05 36 00-1900	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,261.80	479.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.26*	
26 05 36 00-1901	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,362.73	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.05*	
26 05 36 00-1902	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,466.24	565.30
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-99.51*	
26 05 36 00-1903	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,721.73	692.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-114.50*	

26 05 36 00-1904 36" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1905	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,317.67	388.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-99.42*	
26 05 36 00-1906	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,551.36	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-111.92*	
26 05 36 00-1907	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,652.54	565.30
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-118.14*	
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,795.76	623.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-127.63*	
26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,026.80	692.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-145.00*	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,365.02	888.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-162.50*	

26 05 36 00-1911 12" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	890.47	388.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.63*	
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	986.26	444.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.54*	
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,136.84	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.47*	
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,322.04	621.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.42*	
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,470.81	689.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.61*	
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,657.53	777.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-100.92*	

26 05 36 00-1918 24" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,121.33	444.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.05*	
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,262.60	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.04*	
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,473.40	621.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-95.56*	
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,853.14	777.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-120.49*	
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,094.89	888.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-135.48*	
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,376.20	1,034.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-151.41*	

26 05 36 00-1925 36" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,504.78	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-107.26*	
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,711.93	623.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-119.25*	
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,983.55	777.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-133.53*	
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,560.07	1,039.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-169.34*	
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,986.04	1,246.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-194.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,571.20	1,555.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-227.46*	
26 05 36 00-1932		**Straight Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1933	EA	12" To 6" Reducer, Vented Bottom, Steel Cable Tray	338.41	132.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.80*	
26 05 36 00-1934	EA	18" To 12" Reducer, Vented Bottom, Steel Cable Tray	368.94	148.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.56*	
26 05 36 00-1935	EA	24" To 18" Reducer, Vented Bottom, Steel Cable Tray	418.02	172.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.42*	
26 05 36 00-1936	EA	30" To 24" Reducer, Vented Bottom, Steel Cable Tray	459.21	194.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.71*	
26 05 36 00-1937	EA	36" To 30" Reducer, Vented Bottom, Steel Cable Tray	501.37	214.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.29*	
26 05 36 00-1938		**Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1939	EA	18" To 6" Reducer, Vented Bottom, Steel Cable Tray	368.94	148.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.56*	
26 05 36 00-1940	EA	24" To 12" Reducer, Vented Bottom, Steel Cable Tray	416.21	172.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.21*	
26 05 36 00-1941	EA	30" To 12" Reducer, Vented Bottom, Steel Cable Tray	456.56	194.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.47*	
26 05 36 00-1942	EA	30" To 18" Reducer, Vented Bottom, Steel Cable Tray	458.57	194.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.68*	
26 05 36 00-1943	EA	36" To 12" Reducer, Vented Bottom, Steel Cable Tray	499.04	214.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.05*	
26 05 36 00-1944	EA	36" To 18" Reducer, Vented Bottom, Steel Cable Tray	501.37	214.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.29*	
26 05 36 00-1945	EA	36" To 24" Reducer, Vented Bottom, Steel Cable Tray	504.48	214.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.56*	
26 05 36 00-1946		**Dropout Or End Plate** *(26 05 36 00-1805)*		
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	107.79	47.84
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	127.84	56.15
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	140.90	61.98
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	158.47	69.10
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	175.84	77.66
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	206.03	92.83
26 05 36 00-1953		**Vented Bottom Aluminum Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	40.70	10.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.22*	
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	45.16	11.15
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.59*	
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	50.53	12.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.02*	
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	58.90	13.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.73*	
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	67.65	15.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.48*	
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	86.08	17.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.13*	
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	95.69	20.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.84*	
26 05 36 00-1961		**Vented Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1962		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	466.12	163.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.96*	
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	506.40	177.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.81*	
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	557.65	200.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.07*	
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	630.22	221.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.52*	
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	753.62	270.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.79*	
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	891.57	311.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.18*	
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	982.45	346.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.41*	
26 05 36 00-1970		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	567.65	172.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.37*	
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	685.12	214.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.62*	
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	776.89	239.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	924.24	296.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.76*	
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,067.14	344.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.98*	
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,179.87	388.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.57*	
26 05 36 00-1977		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	698.86	182.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.67*	
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	834.96	230.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.27*	
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	944.77	259.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.84*	
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,105.26	327.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.24*	
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,186.28	317.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.19*	
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,453.50	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-108.35*	
26 05 36 00-1984		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	423.88	164.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.72*	
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	460.50	178.15
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.21*	
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	508.41	200.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.15*	
26 05 36 00-1988	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	572.56	221.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.78*	
26 05 36 00-1989	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	686.51	270.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.11*	
26 05 36 00-1990	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	809.70	311.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.00*	
26 05 36 00-1991	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	892.18	345.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.43*	
26 05 36 00-1992		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1993	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	506.36	172.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.23*	
26 05 36 00-1994	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	613.10	214.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.42*	
26 05 36 00-1995	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	694.30	239.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.45*	
26 05 36 00-1996	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	830.20	296.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.31*	
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	960.85	346.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.25*	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,062.92	388.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.88*	
26 05 36 00-1999		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	612.64	182.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.02*	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	734.96	230.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.32*	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	832.13	259.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.58*	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	983.08	328.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.98*	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,123.28	366.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.81*	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,298.23	444.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.74*	
26 05 36 00-2006		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	507.40	163.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.12*	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	544.76	177.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.69*	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	585.63	200.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.87*	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	630.22	221.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.52*	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	739.63	270.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.39*	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	821.62	311.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.19*	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	880.71	345.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 00-2014 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	604.02	172.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.01*	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	701.91	214.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.30*	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	774.09	239.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.45*	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	874.63	296.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.76*	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	975.83	345.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.80*	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,067.96	388.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.38*	

26 05 36 00-2021 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	696.06	182.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.39*	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	804.18	230.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.19*	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	902.80	259.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.64*	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,054.90	327.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.21*	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,170.00	366.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.48*	
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,316.41	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-94.64*	

26 05 36 00-2028 12" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	812.40	311.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.31*	
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	847.86	327.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.50*	
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	902.07	344.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.47*	
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,030.09	389.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.53*	
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,176.52	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.65*	
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,331.62	518.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.94*	
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,473.86	565.30
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-100.27*	

26 05 36 00-2036 24" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,023.40	345.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.55*	
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,156.20	388.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.27*	
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,299.62	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.96*	
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,561.54	517.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-113.05*	
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,794.34	623.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-127.49*	
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,034.85	692.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-145.81*	

26 05 36 00-2043 36" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,367.33	388.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-104.32*	
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,565.42	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-119.54*	
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,659.20	433.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.82*	
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,126.77	621.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-160.90*	
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,462.88	781.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-181.20*	
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,823.07	888.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-208.30*	

26 05 36 00-2050 12" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	921.51	311.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.22*	
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	951.38	327.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.85*	
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,012.21	345.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.43*	
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,049.69	366.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,097.45	388.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.40*	
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,161.17	414.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.56*	
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,286.05	477.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.78*	

26 05 36 00-2058 24" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,146.50	345.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.86*	
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,262.52	388.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.90*	
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,348.63	414.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-100.31*	
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,439.51	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-106.95*	
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,551.84	477.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-115.36*	
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,714.43	566.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-124.19*	

26 05 36 00-2065 36" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,528.32	388.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-120.48*	
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,677.33	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-130.73*	
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,761.68	477.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-136.35*	
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,901.90	520.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-146.86*	
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,064.16	566.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-159.17*	
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,324.54	689.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-174.98*	

26 05 36 00-2072 12" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	942.26	345.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.44*	
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,002.13	366.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.69*	
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,052.47	389.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.77*	
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,162.53	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.25*	
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,332.12	517.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.11*	
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,510.30	563.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-104.05*	
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,841.79	692.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-126.50*	

26 05 36 00-2080 24" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,307.08	389.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.23*	
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,459.10	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-108.91*	
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,637.09	517.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-120.61*	
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,930.92	621.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-141.31*	
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,114.70	689.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-154.00*	
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,571.27	888.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-183.12*	

26 05 36 00-2087 36" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,817.23	444.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-144.72*	
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,013.81	520.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-158.05*	
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,280.65	621.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-176.29*	
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,742.67	781.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-209.18*	
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,053.68	892.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-231.02*	
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,542.76	1,034.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-268.07*	

26 05 36 00-2094 Straight Reducers *(26 05 36 00-1961)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2095	EA	9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	352.03	103.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.55*	
26 05 36 00-2096	EA	12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	369.57	109.30
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.85*	
26 05 36 00-2097	EA	18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	417.40	129.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.94*	
26 05 36 00-2098	EA	24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	461.94	147.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.87*	
26 05 36 00-2099	EA	30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	509.16	172.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.51*	
26 05 36 00-2100	EA	36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray	552.92	194.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.12*	

26 05 36 00-2101 Reducers *(26 05 36 00-1961)*

26 05 36 00-2102	EA	12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	369.26	109.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.84*	
26 05 36 00-2103	EA	18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	417.26	129.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.94*	
26 05 36 00-2104	EA	18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	417.26	129.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.94*	
26 05 36 00-2105	EA	24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	462.12	148.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.88*	
26 05 36 00-2106	EA	24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	462.12	148.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.88*	
26 05 36 00-2107	EA	24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	462.50	148.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.90*	
26 05 36 00-2108	EA	30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	514.49	172.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.06*	
26 05 36 00-2109	EA	30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	508.64	172.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.48*	
26 05 36 00-2110	EA	36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	552.92	194.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.12*	
26 05 36 00-2111	EA	36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	552.92	194.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.12*	
26 05 36 00-2112	EA	36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	553.56	194.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.15*	

26 05 36 00-2113 Dropout Or End Plate *(26 05 36 00-1961)*

26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	116.38	47.84
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	127.00	52.25
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	136.86	56.15
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	155.47	61.98
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	178.22	69.10
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	196.65	77.66
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	225.16	88.94

26 05 36 00-2121 Cable Tray Covers And Dividers *(26 05 36 00-0001)*

26 05 36 00-2122 Galvanized Steel Covers *(26 05 36 00-2121)*

26 05 36 00-2123 Ventilated Straight Sections *(26 05 36 00-2122)*

26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	11.30	2.33
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	13.62	2.73
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	16.01	3.12
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	21.69	4.15
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	27.51	5.57
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	33.39	6.87
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	154.95	77.92

26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	68.61	8.30
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	76.75	9.72
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	83.19	11.54
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	113.11	14.78
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	138.52	18.80
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	167.42	20.87
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	202.22	24.89

26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	106.11	9.21
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	111.05	10.76
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	125.29	12.97
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	155.44	16.46
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	190.65	20.74
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	244.79	23.86
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	284.73	28.27

26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	149.95	10.37
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	166.68	11.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	180.70	14.78
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	229.08	17.25
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	277.42	23.99
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	326.90	27.10
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	382.46	31.11

26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	52.78	8.30
		For 60 Degree Bend, Deduct	*-14.22*	
		For 30 Degree Bend, Deduct	*-24.17*	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	62.77	9.72
		For 60 Degree Bend, Deduct	*-16.99*	
		For 30 Degree Bend, Deduct	*-28.85*	
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	70.38	11.54
		For 60 Degree Bend, Deduct	*-18.82*	
		For 30 Degree Bend, Deduct	*-32.01*	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	85.26	14.13
		For 60 Degree Bend, Deduct	*-22.72*	
		For 30 Degree Bend, Deduct	*-38.65*	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	99.53	16.33
		For 60 Degree Bend, Deduct	*-26.56*	
		For 30 Degree Bend, Deduct	*-45.17*	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	116.43	18.80
		For 60 Degree Bend, Deduct	*-31.19*	
		For 30 Degree Bend, Deduct	*-53.04*	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	130.06	20.74
		For 60 Degree Bend, Deduct	*-34.97*	
		For 30 Degree Bend, Deduct	*-59.43*	

26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	72.35	9.21
		For 60 Degree Bend, Deduct	*-20.36*	
		For 30 Degree Bend, Deduct	*-34.44*	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	81.94	10.76
		For 60 Degree Bend, Deduct	*-22.92*	
		For 30 Degree Bend, Deduct	*-38.80*	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	93.85	12.97
		For 60 Degree Bend, Deduct	*-25.99*	
		For 30 Degree Bend, Deduct	*-44.04*	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	108.64	15.56
		For 60 Degree Bend, Deduct	*-29.88*	
		For 30 Degree Bend, Deduct	*-50.66*	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	125.17	17.77
		For 60 Degree Bend, Deduct	*-34.48*	
		For 30 Degree Bend, Deduct	*-58.45*	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	155.75	20.74
		For 60 Degree Bend, Deduct	*-43.43*	
		For 30 Degree Bend, Deduct	*-73.53*	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	172.67	23.99
		For 60 Degree Bend, Deduct	*-47.80*	
		For 30 Degree Bend, Deduct	*-80.99*	

26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	99.91	10.37
		For 60 Degree Bend, Deduct	*-29.01*	
		For 30 Degree Bend, Deduct	*-48.92*	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	113.12	11.92
		For 60 Degree Bend, Deduct	*-32.74*	
		For 30 Degree Bend, Deduct	*-55.23*	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	127.06	14.78
		For 60 Degree Bend, Deduct	*-36.27*	
		For 30 Degree Bend, Deduct	*-61.27*	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	144.99	16.46
		For 60 Degree Bend, Deduct	*-41.55*	
		For 30 Degree Bend, Deduct	*-70.16*	
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	176.71	20.10
		For 60 Degree Bend, Deduct	*-50.61*	
		For 30 Degree Bend, Deduct	*-85.47*	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	195.96	23.99
		For 60 Degree Bend, Deduct	*-55.48*	
		For 30 Degree Bend, Deduct	*-93.80*	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	231.88	25.93
		For 60 Degree Bend, Deduct	*-66.57*	
		For 30 Degree Bend, Deduct	*-112.40*	

26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-2122)*

26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	59.49	8.30
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	62.77	9.72
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	69.22	11.54
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	80.63	14.13
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	88.72	18.28
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	98.72	20.87
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	124.12	24.89

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2187		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	71.18	9.21
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	79.61	10.76
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	85.70	12.97
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	110.93	15.56
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	128.93	20.10
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	148.18	23.99
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	170.62	28.27
26 05 36 00-2195		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	82.41	10.37
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	102.64	11.92
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	117.82	14.78
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	144.99	16.46
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	168.74	22.95
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	201.15	27.10
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	235.75	31.11
26 05 36 00-2203		**12" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	105.23	13.49
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	110.93	15.56
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	125.88	18.28
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	151.10	20.74
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	186.64	23.99
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	229.85	34.49
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	276.25	41.37
26 05 36 00-2211		**24" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	153.99	14.13
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	176.42	16.46
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	186.08	19.45
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	235.02	22.30
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	345.85	25.93
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	409.53	38.90
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	459.32	47.84
26 05 36 00-2219		**36" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	259.83	14.78
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	268.64	17.25
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	300.09	20.74
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	352.05	23.99
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	457.06	28.27
26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	519.06	44.60
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	599.34	56.40
26 05 36 00-2227		**12" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	153.89	18.28
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	162.83	19.45
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	180.21	20.74
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	212.26	23.99
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	267.06	34.49
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	308.78	41.37
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	353.49	44.47
26 05 36 00-2235		**24" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	267.66	19.45
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	290.78	20.74
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	311.87	22.30
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	371.46	25.93
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	465.36	38.90
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	531.42	47.84
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	593.93	51.74
26 05 36 00-2243		**36" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	428.17	20.74
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	444.62	22.30
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	468.49	23.99
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	540.89	28.27
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	702.98	44.47
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	769.76	56.66
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	825.63	62.24
26 05 36 00-2251		**Reducers** *(26 05 36 00-2122)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2252	EA	9" To 6" Reducer, Steel Cable Tray Covers	68.61	9.72
26 05 36 00-2253	EA	12" To 6" Reducer, Steel Cable Tray Covers	73.92	11.54
26 05 36 00-2254	EA	12" To 9" Reducer, Steel Cable Tray Covers	73.92	11.54
26 05 36 00-2255	EA	18" To 6" Reducer, Steel Cable Tray Covers	81.80	14.13
26 05 36 00-2256	EA	18" To 12" Reducer, Steel Cable Tray Covers	81.80	14.13
26 05 36 00-2257	EA	24" To 12" Reducer, Steel Cable Tray Covers	100.45	15.56
26 05 36 00-2258	EA	24" To 18" Reducer, Steel Cable Tray Covers	107.44	15.56
26 05 36 00-2259	EA	30" To 12" Reducer, Steel Cable Tray Covers	104.18	17.77
26 05 36 00-2260	EA	30" To 18" Reducer, Steel Cable Tray Covers	111.17	17.77
26 05 36 00-2261	EA	30" To 24" Reducer, Steel Cable Tray Covers	115.82	17.77
26 05 36 00-2262	EA	36" To 12" Reducer, Steel Cable Tray Covers	120.84	19.45
26 05 36 00-2263	EA	36" To 18" Reducer, Steel Cable Tray Covers	123.17	19.45
26 05 36 00-2264	EA	36" To 24" Reducer, Steel Cable Tray Covers	125.50	19.45
26 05 36 00-2265	EA	36" To 30" Reducer, Steel Cable Tray Covers	126.66	19.45

26 05 36 00-2266 Aluminum Covers *(26 05 36 00-2121)*

26 05 36 00-2267 Ventilated Straight Sections *(26 05 36 00-2266)*

26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	12.32	2.33
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	14.68	2.73
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	17.24	3.12
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	22.94	4.15
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	29.50	5.57
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	33.57	6.87
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	153.36	77.92

26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)*

26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	68.51	8.30
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	73.20	9.72
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	80.90	11.54
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	105.37	14.78
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	133.53	18.80
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	157.00	20.87
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	191.17	24.89

26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)*

26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	90.10	9.21
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	110.53	10.76
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	123.79	12.97
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	148.49	16.46
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	184.25	20.74
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	222.74	23.86
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	272.83	28.27

26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2266)*

26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	145.46	10.37
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	160.10	11.92
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	183.80	14.78
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	218.82	17.25
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	270.27	23.99
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	311.13	27.10
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	362.91	31.11

26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)*

26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	54.27	8.30
		For 60 Degree Bend, Deduct	*-14.71*	
		For 30 Degree Bend, Deduct	*-24.99*	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	57.76	9.72
		For 60 Degree Bend, Deduct	*-15.33*	
		For 30 Degree Bend, Deduct	*-26.10*	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	65.70	11.54
		For 60 Degree Bend, Deduct	*-17.28*	
		For 30 Degree Bend, Deduct	*-29.43*	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	76.99	14.13
		For 60 Degree Bend, Deduct	*-19.99*	
		For 30 Degree Bend, Deduct	*-34.10*	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	86.72	16.33
		For 60 Degree Bend, Deduct	*-22.33*	
		For 30 Degree Bend, Deduct	*-38.13*	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	106.24	18.80
		For 60 Degree Bend, Deduct	*-27.83*	
		For 30 Degree Bend, Deduct	*-47.43*	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	124.83	20.74
		For 60 Degree Bend, Deduct	*-33.24*	
		For 30 Degree Bend, Deduct	*-56.55*	

26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)*

26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	62.21	9.21
		For 60 Degree Bend, Deduct	*-17.01*	
		For 30 Degree Bend, Deduct	*-28.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	77.28	10.76
		For 60 Degree Bend, Deduct	*-21.39*	
		For 30 Degree Bend, Deduct	*-36.24*	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	83.41	12.97
		For 60 Degree Bend, Deduct	*-22.54*	
		For 30 Degree Bend, Deduct	*-38.29*	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	100.78	15.56
		For 60 Degree Bend, Deduct	*-27.28*	
		For 30 Degree Bend, Deduct	*-46.34*	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	122.32	17.77
		For 60 Degree Bend, Deduct	*-33.54*	
		For 30 Degree Bend, Deduct	*-56.88*	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	141.54	20.74
		For 60 Degree Bend, Deduct	*-38.74*	
		For 30 Degree Bend, Deduct	*-65.72*	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	163.43	23.99
		For 60 Degree Bend, Deduct	*-44.75*	
		For 30 Degree Bend, Deduct	*-75.91*	

26 05 36 00-2315 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2266)*

26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	97.99	10.37
		For 60 Degree Bend, Deduct	*-28.37*	
		For 30 Degree Bend, Deduct	*-47.86*	
26 05 36 00-2317	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	107.85	11.92
		For 60 Degree Bend, Deduct	*-31.00*	
		For 30 Degree Bend, Deduct	*-52.33*	
26 05 36 00-2318	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	117.23	14.78
		For 60 Degree Bend, Deduct	*-33.03*	
		For 30 Degree Bend, Deduct	*-55.87*	
26 05 36 00-2319	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	139.02	16.46
		For 60 Degree Bend, Deduct	*-39.58*	
		For 30 Degree Bend, Deduct	*-66.87*	
26 05 36 00-2320	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	168.87	20.10
		For 60 Degree Bend, Deduct	*-48.02*	
		For 30 Degree Bend, Deduct	*-81.16*	
26 05 36 00-2321	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	194.31	23.99
		For 60 Degree Bend, Deduct	*-54.94*	
		For 30 Degree Bend, Deduct	*-92.90*	
26 05 36 00-2322	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	219.01	25.93
		For 60 Degree Bend, Deduct	*-62.33*	
		For 30 Degree Bend, Deduct	*-105.32*	

26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-2266)*

26 05 36 00-2324	EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	60.40	8.30
26 05 36 00-2325	EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	63.11	9.72
26 05 36 00-2326	EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	70.21	11.54
26 05 36 00-2327	EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	82.96	14.13
26 05 36 00-2328	EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	92.25	18.28
26 05 36 00-2329	EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	97.62	20.87
26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	117.45	24.89

26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-2266)*

26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	68.73	9.21
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	76.09	10.76
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	84.60	12.97
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	101.93	15.56
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	116.58	20.10
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	146.77	23.99
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	163.58	28.27

26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-2266)*

26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	78.96	10.37
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	95.97	11.92
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	112.55	14.78
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	134.27	16.46
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	164.21	22.95
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	204.25	27.10
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	222.78	31.11

26 05 36 00-2347 12" Radius Horizontal Tees *(26 05 36 00-2266)*

26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	98.56	13.49
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	106.68	15.56
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	120.65	18.28
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	141.54	20.74
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	175.31	23.99
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	216.65	34.49
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	261.37	41.37

26 05 36 00-2355 24" Radius Horizontal Tees *(26 05 36 00-2266)*

26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	147.08	14.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	165.13	16.46
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	186.76	19.45
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	217.59	22.30
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	330.49	25.93
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	383.14	38.90
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	433.62	47.84
26 05 36 00-2363		**36" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	250.26	14.78
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	259.16	17.25
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	288.74	20.74
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	327.38	23.99
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	412.96	28.27
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	485.16	44.60
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	557.14	56.40
26 05 36 00-2371		**12" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	146.85	18.28
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	155.92	19.45
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	172.41	20.74
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	206.18	23.99
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	249.85	34.49
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	296.93	41.37
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	337.67	44.47
26 05 36 00-2379		**24" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	260.47	19.45
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	279.25	20.74
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	300.71	22.30
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	349.49	25.93
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	430.58	38.90
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	507.15	47.84
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	549.40	51.74
26 05 36 00-2387		**36" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	400.37	20.74
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	419.48	22.30
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	450.89	23.99
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	498.46	28.27
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	632.36	44.47
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	735.69	56.66
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	804.37	62.24
26 05 36 00-2395		**Reducers** *(26 05 36 00-2266)*		
26 05 36 00-2396	EA	9" To 6" Reducer, Aluminum Cable Tray Covers	74.40	9.72
26 05 36 00-2397	EA	12" To 6" Reducer, Aluminum Cable Tray Covers	79.75	11.54
26 05 36 00-2398	EA	12" To 9" Reducer, Aluminum Cable Tray Covers	79.75	11.54
26 05 36 00-2399	EA	18" To 6" Reducer, Aluminum Cable Tray Covers	90.07	14.13
26 05 36 00-2400	EA	18" To 12" Reducer, Aluminum Cable Tray Covers	90.07	14.13
26 05 36 00-2401	EA	24" To 12" Reducer, Aluminum Cable Tray Covers	99.56	15.56
26 05 36 00-2402	EA	24" To 18" Reducer, Aluminum Cable Tray Covers	109.01	15.56
26 05 36 00-2403	EA	30" To 12" Reducer, Aluminum Cable Tray Covers	115.16	17.77
26 05 36 00-2404	EA	30" To 18" Reducer, Aluminum Cable Tray Covers	118.70	17.77
26 05 36 00-2405	EA	30" To 24" Reducer, Aluminum Cable Tray Covers	121.13	17.77
26 05 36 00-2406	EA	36" To 12" Reducer, Aluminum Cable Tray Covers	127.35	19.45
26 05 36 00-2407	EA	36" To 18" Reducer, Aluminum Cable Tray Covers	129.73	19.45
26 05 36 00-2408	EA	36" To 24" Reducer, Aluminum Cable Tray Covers	130.92	19.45
26 05 36 00-2409	EA	36" To 30" Reducer, Aluminum Cable Tray Covers	132.10	19.45
26 05 36 00-2410		**Galvanized Steel Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2411		**Straight Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	11.59	3.12
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	13.64	3.37
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	16.84	3.89
26 05 36 00-2415		**3" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	68.53	22.30
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	77.85	23.08
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	81.85	23.99
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	93.89	24.89
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	89.23	24.89
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	96.73	25.93
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	112.65	27.10
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	139.19	28.27
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	111.24	28.27
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	123.91	29.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	139.20	31.11
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	175.67	32.81
26 05 36 00-2428		**4" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	78.43	23.08
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	86.50	23.99
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	93.89	24.89
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	107.21	25.93
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	107.21	25.93
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	125.46	27.10
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	138.02	28.27
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	170.48	29.69
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	119.64	27.10
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	132.20	28.27
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	156.51	29.69
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	197.42	31.11
26 05 36 00-2441		**6" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	86.83	25.93
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	94.02	27.10
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	103.09	28.27
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	119.25	29.69
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	109.16	27.10
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	127.54	28.27
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	141.38	29.69
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	172.96	31.11
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	121.72	28.27
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	141.38	29.69
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	172.96	31.11
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	210.61	32.81
26 05 36 00-2454		**Horizontal Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	76.20	18.80
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	84.69	20.74
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	102.42	23.08
26 05 36 00-2458		**Aluminum Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2459		**Straight Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	11.46	2.99
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	13.52	3.24
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	16.66	3.63
26 05 36 00-2463		**3" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	61.80	21.52
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	67.77	22.30
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	74.29	23.08
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	85.38	23.99
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	83.11	23.99
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	91.49	24.89
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	105.67	25.93
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	130.34	27.10
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	111.02	27.10
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	132.42	28.27
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	159.61	29.69
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	196.18	31.11
26 05 36 00-2476		**4" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	73.79	22.30
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	80.99	23.08
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	88.79	23.99
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	99.44	24.89
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	98.30	24.89
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	113.62	25.93
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	128.07	27.10
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	160.83	28.27
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	131.80	25.93
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	158.75	27.10
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	185.83	28.27
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	224.38	29.69
26 05 36 00-2489		**6" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	81.71	24.89
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	90.89	25.93
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	95.12	27.10
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	106.29	28.27
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	102.26	25.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	125.80	27.10
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	135.83	28.27
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	169.84	29.69
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	134.89	27.10
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	167.65	28.27
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	191.43	29.69
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	222.31	31.11

26 05 36 00-2502 Horizontal Dividers *(26 05 36 00-2458)*

26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	71.05	17.77
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	77.87	19.45
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	96.00	21.52

26 05 36 00-2506 Cable Tray Wall Brackets *(26 05 36 00-0001)*

26 05 36 00-2507 Wall Brackets *(26 05 36 00-2506)*

26 05 36 00-2508	EA	6" Wide Cable Tray Wall Bracket	93.90	25.93
26 05 36 00-2509	EA	9" Wide Cable Tray Wall Bracket	97.30	27.10
26 05 36 00-2510	EA	12" Wide Cable Tray Wall Bracket	106.63	28.27
26 05 36 00-2511	EA	18" Wide Cable Tray Wall Bracket	113.17	29.69
26 05 36 00-2512	EA	24" Wide Cable Tray Wall Bracket	122.90	31.11
26 05 36 00-2513	EA	30" Wide Cable Tray Wall Bracket	145.90	32.81
26 05 36 00-2514	EA	36" Wide Cable Tray Wall Bracket	174.30	35.00

26 05 36 00-2515 Fiberglass Cable Tray *(26 05 36 00-0001)*

26 05 36 00-2516 Ladder Bottom Fiberglass Cable Tray *(26 05 36 00-2515)*

Note: Excludes hangers and support system.

26 05 36 00-2517 Straight Tray Sections *(26 05 36 00-2516)*

26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.33	3.50
		For 9" Rung Spacing, Add	*0.32*	
		For 6" Rung Spacing, Add	*1.37*	
		For 4" Rung Spacing, Add	*2.52*	
		For 18" Rung Spacing, Deduct	*-0.23*	
		For Solid Bottom, Add	*3.52*	
		For Vented Trough Bottom, Add	*4.31*	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	15.93	4.28
		For 9" Rung Spacing, Add	*0.33*	
		For 6" Rung Spacing, Add	*1.42*	
		For 4" Rung Spacing, Add	*2.60*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*3.81*	
		For Vented Trough Bottom, Add	*4.59*	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	17.49	5.19
		For 9" Rung Spacing, Add	*0.34*	
		For 6" Rung Spacing, Add	*1.46*	
		For 4" Rung Spacing, Add	*2.67*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*4.08*	
		For Vented Trough Bottom, Add	*4.86*	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	20.81	6.87
		For 9" Rung Spacing, Add	*0.37*	
		For 6" Rung Spacing, Add	*1.57*	
		For 4" Rung Spacing, Add	*2.87*	
		For 18" Rung Spacing, Deduct	*-0.26*	
		For Solid Bottom, Add	*4.69*	
		For Vented Trough Bottom, Add	*5.47*	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	24.12	8.69
		For 9" Rung Spacing, Add	*0.39*	
		For 6" Rung Spacing, Add	*1.67*	
		For 4" Rung Spacing, Add	*3.07*	
		For 18" Rung Spacing, Deduct	*-0.28*	
		For Solid Bottom, Add	*5.29*	
		For Vented Trough Bottom, Add	*6.08*	
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	26.35	9.47
		For 9" Rung Spacing, Add	*0.42*	
		For 6" Rung Spacing, Add	*1.81*	
		For 4" Rung Spacing, Add	*3.32*	
		For 18" Rung Spacing, Deduct	*-0.30*	
		For Solid Bottom, Add	*5.77*	
		For Vented Trough Bottom, Add	*6.62*	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	28.64	10.37
		For 9" Rung Spacing, Add	*0.46*	
		For 6" Rung Spacing, Add	*1.96*	
		For 4" Rung Spacing, Add	*3.60*	
		For 18" Rung Spacing, Deduct	*-0.33*	
		For Solid Bottom, Add	*6.26*	
		For Vented Trough Bottom, Add	*7.18*	

26 05 36 00-2525 90 Degree Horizontal Elbows *(26 05 36 00-2516)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2526	EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	75.91	25.93
		For 9" Rung Spacing, Add	*1.30*	
		For 6" Rung Spacing, Add	*5.55*	
		For 4" Rung Spacing, Add	*10.18*	
		For 18" Rung Spacing, Deduct	*-0.93*	
		For Solid Bottom, Add	*16.94*	
		For Vented Trough Bottom, Add	*19.67*	
		For 60 Degree Bend, Deduct	*-16.10*	
		For 45 Degree Bend, Deduct	*-22.12*	
		For 30 Degree Bend, Deduct	*-28.14*	
26 05 36 00-2527	EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	84.52	30.21
		For 9" Rung Spacing, Add	*1.37*	
		For 6" Rung Spacing, Add	*5.87*	
		For 4" Rung Spacing, Add	*10.76*	
		For 18" Rung Spacing, Deduct	*-0.98*	
		For Solid Bottom, Add	*18.55*	
		For Vented Trough Bottom, Add	*21.33*	
		For 60 Degree Bend, Deduct	*-17.45*	
		For 45 Degree Bend, Deduct	*-24.03*	
		For 30 Degree Bend, Deduct	*-30.60*	
26 05 36 00-2528	EA	12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	98.31	37.99
		For 9" Rung Spacing, Add	*1.44*	
		For 6" Rung Spacing, Add	*6.19*	
		For 4" Rung Spacing, Add	*11.35*	
		For 18" Rung Spacing, Deduct	*-1.03*	
		For Solid Bottom, Add	*20.94*	
		For Vented Trough Bottom, Add	*23.64*	
		For 60 Degree Bend, Deduct	*-19.32*	
		For 45 Degree Bend, Deduct	*-26.71*	
		For 30 Degree Bend, Deduct	*-34.10*	
26 05 36 00-2529	EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	116.11	45.89
		For 9" Rung Spacing, Add	*1.66*	
		For 6" Rung Spacing, Add	*7.11*	
		For 4" Rung Spacing, Add	*13.03*	
		For 18" Rung Spacing, Deduct	*-1.18*	
		For Solid Bottom, Add	*24.53*	
		For Vented Trough Bottom, Add	*27.55*	
		For 60 Degree Bend, Deduct	*-22.51*	
		For 45 Degree Bend, Deduct	*-31.16*	
		For 30 Degree Bend, Deduct	*-39.81*	
26 05 36 00-2530	EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	131.19	52.77
		For 9" Rung Spacing, Add	*1.82*	
		For 6" Rung Spacing, Add	*7.82*	
		For 4" Rung Spacing, Add	*14.33*	
		For 18" Rung Spacing, Deduct	*-1.30*	
		For Solid Bottom, Add	*27.49*	
		For Vented Trough Bottom, Add	*30.73*	
		For 60 Degree Bend, Deduct	*-25.10*	
		For 45 Degree Bend, Deduct	*-34.79*	
		For 30 Degree Bend, Deduct	*-44.47*	
26 05 36 00-2531	EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	144.15	56.27
		For 9" Rung Spacing, Add	*2.10*	
		For 6" Rung Spacing, Add	*8.98*	
		For 4" Rung Spacing, Add	*16.47*	
		For 18" Rung Spacing, Deduct	*-1.50*	
		For Solid Bottom, Add	*30.60*	
		For Vented Trough Bottom, Add	*34.49*	
		For 60 Degree Bend, Deduct	*-28.19*	
		For 45 Degree Bend, Deduct	*-38.99*	
		For 30 Degree Bend, Deduct	*-49.79*	
26 05 36 00-2532	EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	159.54	60.55
		For 9" Rung Spacing, Add	*2.41*	
		For 6" Rung Spacing, Add	*10.32*	
		For 4" Rung Spacing, Add	*18.91*	
		For 18" Rung Spacing, Deduct	*-1.72*	
		For Solid Bottom, Add	*34.25*	
		For Vented Trough Bottom, Add	*38.86*	
		For 60 Degree Bend, Deduct	*-31.77*	
		For 45 Degree Bend, Deduct	*-43.88*	
		For 30 Degree Bend, Deduct	*-55.98*	

26 05 36 00-2533 Inside Or Outside Vertical Risers *(26 05 36 00-2516)*

26 05 36 00-2534	EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	114.58	25.93
		For 9" Rung Spacing, Add	*2.65*	
		For 6" Rung Spacing, Add	*11.35*	
		For 4" Rung Spacing, Add	*20.81*	
		For 18" Rung Spacing, Deduct	*-1.89*	
		For Solid Bottom, Add	*28.54*	
		For Vented Trough Bottom, Add	*35.13*	
		For 60 Degree Bend, Deduct	*-28.86*	
		For 45 Degree Bend, Deduct	*-39.13*	
		For 30 Degree Bend, Deduct	*-49.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	122.13	30.21
		For 9" Rung Spacing, Add	*2.69*	
		For 6" Rung Spacing, Add	*11.51*	
		For 4" Rung Spacing, Add	*21.11*	
		For 18" Rung Spacing, Deduct	*-1.92*	
		For Solid Bottom, Add	*29.83*	
		For Vented Trough Bottom, Add	*36.37*	
		For 60 Degree Bend, Deduct	*-29.87*	
		For 45 Degree Bend, Deduct	*-40.58*	
		For 30 Degree Bend, Deduct	*-51.29*	
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	134.85	37.99
		For 9" Rung Spacing, Add	*2.72*	
		For 6" Rung Spacing, Add	*11.67*	
		For 4" Rung Spacing, Add	*21.40*	
		For 18" Rung Spacing, Deduct	*-1.95*	
		For Solid Bottom, Add	*31.90*	
		For Vented Trough Bottom, Add	*38.25*	
		For 60 Degree Bend, Deduct	*-31.38*	
		For 45 Degree Bend, Deduct	*-42.79*	
		For 30 Degree Bend, Deduct	*-54.20*	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	148.88	45.89
		For 9" Rung Spacing, Add	*2.81*	
		For 6" Rung Spacing, Add	*12.02*	
		For 4" Rung Spacing, Add	*22.04*	
		For 18" Rung Spacing, Deduct	*-2.00*	
		For Solid Bottom, Add	*34.36*	
		For Vented Trough Bottom, Add	*40.65*	
		For 60 Degree Bend, Deduct	*-33.32*	
		For 45 Degree Bend, Deduct	*-45.58*	
		For 30 Degree Bend, Deduct	*-57.83*	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	161.37	52.77
		For 9" Rung Spacing, Add	*2.88*	
		For 6" Rung Spacing, Add	*12.34*	
		For 4" Rung Spacing, Add	*22.63*	
		For 18" Rung Spacing, Deduct	*-2.06*	
		For Solid Bottom, Add	*36.55*	
		For Vented Trough Bottom, Add	*42.80*	
		For 60 Degree Bend, Deduct	*-35.06*	
		For 45 Degree Bend, Deduct	*-48.07*	
		For 30 Degree Bend, Deduct	*-61.07*	
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	168.67	56.27
		For 9" Rung Spacing, Add	*2.95*	
		For 6" Rung Spacing, Add	*12.66*	
		For 4" Rung Spacing, Add	*23.21*	
		For 18" Rung Spacing, Deduct	*-2.11*	
		For Solid Bottom, Add	*37.96*	
		For Vented Trough Bottom, Add	*44.29*	
		For 60 Degree Bend, Deduct	*-36.28*	
		For 45 Degree Bend, Deduct	*-49.78*	
		For 30 Degree Bend, Deduct	*-63.27*	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	184.00	60.55
		For 9" Rung Spacing, Add	*3.26*	
		For 6" Rung Spacing, Add	*13.99*	
		For 4" Rung Spacing, Add	*25.64*	
		For 18" Rung Spacing, Deduct	*-2.33*	
		For Solid Bottom, Add	*41.59*	
		For Vented Trough Bottom, Add	*48.64*	
		For 60 Degree Bend, Deduct	*-39.85*	
		For 45 Degree Bend, Deduct	*-54.64*	
		For 30 Degree Bend, Deduct	*-69.43*	

26 05 36 00-2541 Horizontal Tees *(26 05 36 00-2516)*

26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	162.55	64.82
		For 9" Rung Spacing, Add	*2.29*	
		For 6" Rung Spacing, Add	*9.80*	
		For 4" Rung Spacing, Add	*17.96*	
		For 18" Rung Spacing, Deduct	*-1.63*	
		For Solid Bottom, Add	*34.18*	
		For Vented Trough Bottom, Add	*38.28*	
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	182.00	76.11
		For 9" Rung Spacing, Add	*2.38*	
		For 6" Rung Spacing, Add	*10.18*	
		For 4" Rung Spacing, Add	*18.67*	
		For 18" Rung Spacing, Deduct	*-1.70*	
		For Solid Bottom, Add	*37.48*	
		For Vented Trough Bottom, Add	*41.42*	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	206.63	90.76
		For 9" Rung Spacing, Add	*2.47*	
		For 6" Rung Spacing, Add	*10.57*	
		For 4" Rung Spacing, Add	*19.38*	
		For 18" Rung Spacing, Deduct	*-1.76*	
		For Solid Bottom, Add	*41.57*	
		For Vented Trough Bottom, Add	*45.21*	
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	230.56	102.04
		For 9" Rung Spacing, Add	*2.71*	
		For 6" Rung Spacing, Add	*11.64*	
		For 4" Rung Spacing, Add	*21.33*	
		For 18" Rung Spacing, Deduct	*-1.94*	
		For Solid Bottom, Add	*46.22*	
		For Vented Trough Bottom, Add	*50.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2546	EA	24" Horizontal Tee, Fiberglass Cable Tray	242.70	106.32
		For 9" Rung Spacing, Add	*2.91*	
		For 6" Rung Spacing, Add	*12.48*	
		For 4" Rung Spacing, Add	*22.89*	
		For 18" Rung Spacing, Deduct	*-2.08*	
		For Solid Bottom, Add	*48.89*	
		For Vented Trough Bottom, Add	*53.22*	
26 05 36 00-2547	EA	30" Horizontal Tee, Fiberglass Cable Tray	260.50	112.41
		For 9" Rung Spacing, Add	*3.22*	
		For 6" Rung Spacing, Add	*13.79*	
		For 4" Rung Spacing, Add	*25.29*	
		For 18" Rung Spacing, Deduct	*-2.30*	
		For Solid Bottom, Add	*52.87*	
		For Vented Trough Bottom, Add	*57.85*	
26 05 36 00-2548	EA	36" Horizontal Tee, Fiberglass Cable Tray	283.11	121.10
		For 9" Rung Spacing, Add	*3.56*	
		For 6" Rung Spacing, Add	*15.24*	
		For 4" Rung Spacing, Add	*27.93*	
		For 18" Rung Spacing, Deduct	*-2.54*	
		For Solid Bottom, Add	*57.70*	
		For Vented Trough Bottom, Add	*63.32*	

26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

26 05 36 00-2550	EA	6" Horizontal Cross, Fiberglass Cable Tray	252.25	112.41
		For 9" Rung Spacing, Add	*2.93*	
		For 6" Rung Spacing, Add	*12.56*	
		For 4" Rung Spacing, Add	*23.02*	
		For 18" Rung Spacing, Deduct	*-2.09*	
		For Solid Bottom, Add	*50.39*	
		For Vented Trough Bottom, Add	*54.55*	
26 05 36 00-2551	EA	9" Horizontal Cross, Fiberglass Cable Tray	267.70	121.10
		For 9" Rung Spacing, Add	*3.02*	
		For 6" Rung Spacing, Add	*12.93*	
		For 4" Rung Spacing, Add	*23.70*	
		For 18" Rung Spacing, Deduct	*-2.15*	
		For Solid Bottom, Add	*53.08*	
		For Vented Trough Bottom, Add	*57.16*	
26 05 36 00-2552	EA	12" Horizontal Cross, Fiberglass Cable Tray	283.14	129.79
		For 9" Rung Spacing, Add	*3.10*	
		For 6" Rung Spacing, Add	*13.30*	
		For 4" Rung Spacing, Add	*24.38*	
		For 18" Rung Spacing, Deduct	*-2.22*	
		For Solid Bottom, Add	*55.77*	
		For Vented Trough Bottom, Add	*59.77*	
26 05 36 00-2553	EA	18" Horizontal Cross, Fiberglass Cable Tray	303.17	138.35
		For 9" Rung Spacing, Add	*3.35*	
		For 6" Rung Spacing, Add	*14.36*	
		For 4" Rung Spacing, Add	*26.32*	
		For 18" Rung Spacing, Deduct	*-2.39*	
		For Solid Bottom, Add	*59.83*	
		For Vented Trough Bottom, Add	*64.22*	
26 05 36 00-2554	EA	24" Horizontal Cross, Fiberglass Cable Tray	321.56	147.03
		For 9" Rung Spacing, Add	*3.54*	
		For 6" Rung Spacing, Add	*15.17*	
		For 4" Rung Spacing, Add	*27.81*	
		For 18" Rung Spacing, Deduct	*-2.53*	
		For Solid Bottom, Add	*63.41*	
		For Vented Trough Bottom, Add	*68.01*	
26 05 36 00-2555	EA	30" Horizontal Cross, Fiberglass Cable Tray	343.48	155.72
		For 9" Rung Spacing, Add	*3.85*	
		For 6" Rung Spacing, Add	*16.52*	
		For 4" Rung Spacing, Add	*30.28*	
		For 18" Rung Spacing, Deduct	*-2.75*	
		For Solid Bottom, Add	*68.04*	
		For Vented Trough Bottom, Add	*73.21*	
26 05 36 00-2556	EA	36" Horizontal Cross, Fiberglass Cable Tray	371.88	166.86
		For 9" Rung Spacing, Add	*4.26*	
		For 6" Rung Spacing, Add	*18.24*	
		For 4" Rung Spacing, Add	*33.45*	
		For 18" Rung Spacing, Deduct	*-3.04*	
		For Solid Bottom, Add	*74.03*	
		For Vented Trough Bottom, Add	*79.93*	

26 05 36 00-2557 Horizontal Wyes *(26 05 36 00-2516)*

26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	155.94	64.82
		For 9" Rung Spacing, Add	*2.05*	
		For 6" Rung Spacing, Add	*8.81*	
		For 4" Rung Spacing, Add	*16.14*	
		For 18" Rung Spacing, Deduct	*-1.47*	
		For Solid Bottom, Add	*32.20*	
		For Vented Trough Bottom, Add	*35.64*	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	164.81	69.23
		For 9" Rung Spacing, Add	*2.14*	
		For 6" Rung Spacing, Add	*9.16*	
		For 4" Rung Spacing, Add	*16.80*	
		For 18" Rung Spacing, Deduct	*-1.53*	
		For Solid Bottom, Add	*33.88*	
		For Vented Trough Bottom, Add	*37.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	199.56	90.76
		For 9" Rung Spacing, Add	*2.22*	
		For 6" Rung Spacing, Add	*9.51*	
		For 4" Rung Spacing, Add	*17.44*	
		For 18" Rung Spacing, Deduct	*-1.59*	
		For Solid Bottom, Add	*39.45*	
		For Vented Trough Bottom, Add	*42.39*	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	222.79	102.04
		For 9" Rung Spacing, Add	*2.44*	
		For 6" Rung Spacing, Add	*10.47*	
		For 4" Rung Spacing, Add	*19.19*	
		For 18" Rung Spacing, Deduct	*-1.74*	
		For Solid Bottom, Add	*43.89*	
		For Vented Trough Bottom, Add	*47.04*	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	234.22	106.32
		For 9" Rung Spacing, Add	*2.62*	
		For 6" Rung Spacing, Add	*11.21*	
		For 4" Rung Spacing, Add	*20.55*	
		For 18" Rung Spacing, Deduct	*-1.87*	
		For Solid Bottom, Add	*46.34*	
		For Vented Trough Bottom, Add	*49.83*	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	251.30	112.41
		For 9" Rung Spacing, Add	*2.90*	
		For 6" Rung Spacing, Add	*12.41*	
		For 4" Rung Spacing, Add	*22.76*	
		For 18" Rung Spacing, Deduct	*-2.07*	
		For Solid Bottom, Add	*50.11*	
		For Vented Trough Bottom, Add	*54.17*	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	272.95	121.10
		For 9" Rung Spacing, Add	*3.20*	
		For 6" Rung Spacing, Add	*13.71*	
		For 4" Rung Spacing, Add	*25.14*	
		For 18" Rung Spacing, Deduct	*-2.29*	
		For Solid Bottom, Add	*54.66*	
		For Vented Trough Bottom, Add	*59.26*	

26 05 36 00-2565 Straight Reducers *(26 05 36 00-2516)*

26 05 36 00-2566	EA	9" To 6" Reducer, Fiberglass Cable Tray	72.14	25.93
		For 9" Rung Spacing, Add	*1.16*	
		For 6" Rung Spacing, Add	*4.99*	
		For 4" Rung Spacing, Add	*9.14*	
		For 18" Rung Spacing, Deduct	*-0.83*	
		For Solid Bottom, Add	*15.81*	
		For Vented Trough Bottom, Add	*18.16*	
26 05 36 00-2567	EA	12" To 9" Reducer, Fiberglass Cable Tray	79.10	30.21
		For 9" Rung Spacing, Add	*1.18*	
		For 6" Rung Spacing, Add	*5.06*	
		For 4" Rung Spacing, Add	*9.28*	
		For 18" Rung Spacing, Deduct	*-0.84*	
		For Solid Bottom, Add	*16.92*	
		For Vented Trough Bottom, Add	*19.16*	
26 05 36 00-2568	EA	18" To 12" Reducer, Fiberglass Cable Tray	86.05	34.62
		For 9" Rung Spacing, Add	*1.20*	
		For 6" Rung Spacing, Add	*5.13*	
		For 4" Rung Spacing, Add	*9.40*	
		For 18" Rung Spacing, Deduct	*-0.85*	
		For Solid Bottom, Add	*18.04*	
		For Vented Trough Bottom, Add	*20.16*	
26 05 36 00-2569	EA	24" To 18" Reducer, Fiberglass Cable Tray	92.41	37.99
		For 9" Rung Spacing, Add	*1.24*	
		For 6" Rung Spacing, Add	*5.30*	
		For 4" Rung Spacing, Add	*9.72*	
		For 18" Rung Spacing, Deduct	*-0.88*	
		For Solid Bottom, Add	*19.17*	
		For Vented Trough Bottom, Add	*21.28*	
26 05 36 00-2570	EA	30" To 24" Reducer, Fiberglass Cable Tray	103.50	41.49
		For 9" Rung Spacing, Add	*1.44*	
		For 6" Rung Spacing, Add	*6.19*	
		For 4" Rung Spacing, Add	*11.35*	
		For 18" Rung Spacing, Deduct	*-1.03*	
		For Solid Bottom, Add	*21.71*	
		For Vented Trough Bottom, Add	*24.28*	
26 05 36 00-2571	EA	36" To 30" Reducer, Fiberglass Cable Tray	116.65	45.89
		For 9" Rung Spacing, Add	*1.68*	
		For 6" Rung Spacing, Add	*7.19*	
		For 4" Rung Spacing, Add	*13.18*	
		For 18" Rung Spacing, Deduct	*-1.20*	
		For Solid Bottom, Add	*24.69*	
		For Vented Trough Bottom, Add	*27.76*	

26 05 36 00-2572 Vertical Tees *(26 05 36 00-2516)*

26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	221.96	64.82
		For 9" Rung Spacing, Add	*4.37*	
		For 6" Rung Spacing, Add	*18.71*	
		For 4" Rung Spacing, Add	*34.30*	
		For 18" Rung Spacing, Deduct	*-3.12*	
		For Solid Bottom, Add	*52.00*	
		For Vented Trough Bottom, Add	*62.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	229.98	69.23
		For 9" Rung Spacing, Add	*4.42*	
		For 6" Rung Spacing, Add	*18.94*	
		For 4" Rung Spacing, Add	*34.72*	
		For 18" Rung Spacing, Deduct	*-3.16*	
		For Solid Bottom, Add	*53.44*	
		For Vented Trough Bottom, Add	*63.47*	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	263.92	90.76
		For 9" Rung Spacing, Add	*4.47*	
		For 6" Rung Spacing, Add	*19.17*	
		For 4" Rung Spacing, Add	*35.14*	
		For 18" Rung Spacing, Deduct	*-3.19*	
		For Solid Bottom, Add	*58.76*	
		For Vented Trough Bottom, Add	*68.13*	
26 05 36 00-2576	EA	18" Vertical Tee, Fiberglass Cable Tray	284.32	102.04
		For 9" Rung Spacing, Add	*4.60*	
		For 6" Rung Spacing, Add	*19.70*	
		For 4" Rung Spacing, Add	*36.11*	
		For 18" Rung Spacing, Deduct	*-3.28*	
		For Solid Bottom, Add	*62.35*	
		For Vented Trough Bottom, Add	*71.65*	
26 05 36 00-2577	EA	24" Vertical Tee, Fiberglass Cable Tray	294.10	106.32
		For 9" Rung Spacing, Add	*4.71*	
		For 6" Rung Spacing, Add	*20.19*	
		For 4" Rung Spacing, Add	*37.02*	
		For 18" Rung Spacing, Deduct	*-3.37*	
		For Solid Bottom, Add	*64.31*	
		For Vented Trough Bottom, Add	*73.78*	
26 05 36 00-2578	EA	30" Vertical Tee, Fiberglass Cable Tray	306.23	112.41
		For 9" Rung Spacing, Add	*4.82*	
		For 6" Rung Spacing, Add	*20.65*	
		For 4" Rung Spacing, Add	*37.86*	
		For 18" Rung Spacing, Deduct	*-3.44*	
		For Solid Bottom, Add	*66.59*	
		For Vented Trough Bottom, Add	*76.14*	
26 05 36 00-2579	EA	36" Vertical Tee, Fiberglass Cable Tray	333.65	121.10
		For 9" Rung Spacing, Add	*5.32*	
		For 6" Rung Spacing, Add	*22.82*	
		For 4" Rung Spacing, Add	*41.83*	
		For 18" Rung Spacing, Deduct	*-3.80*	
		For Solid Bottom, Add	*72.87*	
		For Vented Trough Bottom, Add	*83.54*	

26 05 36 00-2580 Flextray™ Cable Tray *(26 05 36 00-0001)*

26 05 36 00-2581 Flextray™ Cable Tray Straight Sections *(26 05 36 00-2580)*

Note: Includes splicing and splice bars.

26 05 36 00-2582	LF	2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	22.76	8.17
26 05 36 00-2583	LF	2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.92	8.71
26 05 36 00-2584	LF	2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.31	9.10
26 05 36 00-2585	LF	2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	30.80	9.57
26 05 36 00-2586	LF	2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	32.91	10.03
26 05 36 00-2587	LF	2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.24	10.50
26 05 36 00-2588	LF	2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.13	10.97
26 05 36 00-2589	LF	2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.46	11.28
26 05 36 00-2590	LF	2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.30	11.59
26 05 36 00-2591	LF	4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.34	9.59
26 05 36 00-2592	LF	4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.76	9.98
26 05 36 00-2593	LF	4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.31	10.50
26 05 36 00-2594	LF	4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.37	11.02
26 05 36 00-2595	LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.61	11.54
26 05 36 00-2596	LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	41.54	12.05
26 05 36 00-2597	LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	43.82	12.45
26 05 36 00-2598	LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	45.52	12.71
26 05 36 00-2599	LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	56.78	13.62
26 05 36 00-2600	LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.02	11.54
26 05 36 00-2601	LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	42.77	12.05
26 05 36 00-2602	LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	44.75	12.58
26 05 36 00-2603	LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.06	13.23
26 05 36 00-2604	LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	49.59	13.49
26 05 36 00-2605	LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	59.57	13.87

26 05 36 00-2606 Flextray™ Cable Tray Bends *(26 05 36 00-2580)*

Note: Includes field fabricated bend and 90 degree kit.

26 05 36 00-2607	EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	17.09	6.09
26 05 36 00-2608	EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	20.94	6.48
26 05 36 00-2609	EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	29.31	9.08
26 05 36 00-2610	EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	46.29	14.39
26 05 36 00-2611	EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	65.82	20.10
26 05 36 00-2612	EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	88.12	26.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2613	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	102.15	32.93
26 05 36 00-2614	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	121.86	39.54
26 05 36 00-2615	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	153.21	46.42
26 05 36 00-2616	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	21.95	7.13
26 05 36 00-2617	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	31.80	9.98
26 05 36 00-2618	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	51.45	15.82
26 05 36 00-2619	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	72.76	22.05
26 05 36 00-2620	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	96.49	28.91
26 05 36 00-2621	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	117.10	36.17
26 05 36 00-2622	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	141.74	43.44
26 05 36 00-2623	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	182.11	50.96
26 05 36 00-2624	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	284.02	68.07
26 05 36 00-2625	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	56.96	17.25
26 05 36 00-2626	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	85.60	24.12
26 05 36 00-2627	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	111.89	31.51
26 05 36 00-2628	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	135.09	39.54
26 05 36 00-2629	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	160.06	47.33
26 05 36 00-2630	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	238.26	55.62

26 05 36 00-2631 Flextray™ Cable Tray Brackets *(26 05 36 00-2580)*

26 05 36 00-2632	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	43.39	17.12
26 05 36 00-2633	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	45.85	17.12
26 05 36 00-2634	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	50.03	17.12
26 05 36 00-2635	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	60.24	18.67
26 05 36 00-2636	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	63.89	18.67
26 05 36 00-2637	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	65.12	18.67
26 05 36 00-2638	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	66.20	18.67

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

26 05 39 00-0001 Underfloor Ducts *(26 05 39)*

26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel *(26 05 39 00-0001)*

26 05 39 00-0003 Standard Ducts, 3.8 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	115.08	22.82
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	145.18	26.71

26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	193.04	28.91
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	221.27	32.03

26 05 39 00-0009 Junction Boxes *(26 05 39 00-0001)*

26 05 39 00-0010 One Level Junction Boxes *(26 05 39 00-0009)*

26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	294.07	45.38
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	333.32	48.62
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box. Note: Isolate each duct and form a continuous raceway through the box in both directions.	540.80	45.38
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	365.50	48.62
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	581.98	63.92
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	819.45	69.49

26 05 39 00-0017 Two Level Junction Boxes *(26 05 39 00-0009)*

26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	1,256.95	45.89
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	1,446.82	48.62

26 05 39 00-0020 Elbow Fittings *(26 05 39 00-0001)*

26 05 39 00-0021 90 Degree Horizontal Elbow *(26 05 39 00-0020)*

26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	144.40	16.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	148.82	16.72
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	80.04	16.72
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	81.81	16.72
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)*		
		Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	80.04	19.45
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	81.81	19.45
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	50.74	25.93
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	78.70	25.93
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	114.35	25.93
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	116.56	27.36
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	113.34	3.89
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)*		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	116.23	54.45
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	129.49	54.45
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	142.85	54.45
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	129.49	60.94
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	156.51	60.94
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	142.85	64.82
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	142.85	64.82
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	156.51	64.82
26 05 39 00-0049		**Duct Support Only** *(26 05 39 00-0039)*		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	104.95	47.97
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	123.49	47.97
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	143.50	47.97
26 05 39 00-0053		**Underfloor Duct Accessories** *(26 05 39 00-0001)*		
26 05 39 00-0054		**Plugs For Unused Junction Box Openings And Duct Ends** *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	30.61	3.89
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	31.29	3.89
26 05 39 00-0057		**Conduit Adapters** *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	42.98	6.48
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	45.66	6.48
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	44.33	6.48
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	45.69	6.48
26 05 39 00-0062		**Holders And Caps** *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	276.36	54.45
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	531.34	54.45
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	3.57	1.29
26 05 39 00-0066		**Underfloor Dust Pans** *(26 05 39 00-0001)*		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	121.38	7.11

26 05 43 Underground Ducts and Raceways for Electrical Systems *(26 05)*

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001		**Precast Concrete Trenches, One Piece Pedestrian Trench** *(26 05 43)*		
		Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002		**10" Wide Pedestrian Trench** *(26 05 43 00-0001)*		
26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	92.24	
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	88.21	
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	128.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	122.51	
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	62.38	
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	73.89	
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench	61.50	
26 05 43 00-0010		20" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	116.91	
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	109.78	
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	158.39	
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	151.89	
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	78.02	
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	113.70	
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench	76.90	
26 05 43 00-0018		30" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	149.28	
26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	175.40	
26 05 43 00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	186.78	
26 05 43 00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	179.39	
26 05 43 00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench	111.96	
26 05 43 00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench	151.90	
26 05 43 00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench	96.00	
26 05 43 00-0026		40" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	178.83	
26 05 43 00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	172.10	
26 05 43 00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	218.83	
26 05 43 00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	210.60	
26 05 43 00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench	143.31	
26 05 43 00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench	194.20	
26 05 43 00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench	113.47	
26 05 43 00-0034		Precast Concrete Trenches, One Piece Medium Vehicle Trench *(26 05 43)*		
		Note: Rated for 7,000 Lb Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0035		10" Wide Medium Vehicle Trench *(26 05 43 00-0034)*		
26 05 43 00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	112.03	
26 05 43 00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	106.80	
26 05 43 00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	155.57	
26 05 43 00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	148.33	
26 05 43 00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	73.38	
26 05 43 00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	85.42	
26 05 43 00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench	74.69	
26 05 43 00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	332.43	
26 05 43 00-0044		20" Wide Medium Vehicle Trench *(26 05 43 00-0034)*		
26 05 43 00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	141.07	
26 05 43 00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	131.87	
26 05 43 00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	190.24	
26 05 43 00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	181.84	
26 05 43 00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	90.75	
26 05 43 00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	132.43	
26 05 43 00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench	93.39	
26 05 43 00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	440.86	
26 05 43 00-0053		30" Wide Medium Vehicle Trench *(26 05 43 00-0034)*		
26 05 43 00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	141.94	
26 05 43 00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	170.31	
26 05 43 00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	223.04	
26 05 43 00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	213.48	
26 05 43 00-0058	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	129.52	
26 05 43 00-0059	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	177.89	
26 05 43 00-0060	LF	Lid, Concrete 30" Wide Medium Vehicle Trench	116.90	
26 05 43 00-0061	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	550.37	
26 05 43 00-0062		40" Wide Medium Vehicle Trench *(26 05 43 00-0034)*		
26 05 43 00-0063	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	211.78	
26 05 43 00-0064	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	203.09	
26 05 43 00-0065	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	259.25	
26 05 43 00-0066	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	248.59	
26 05 43 00-0067	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	165.80	
26 05 43 00-0068	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	227.39	
26 05 43 00-0069	LF	Lid, Concrete 40" Wide Medium Vehicle Trench	137.63	
26 05 43 00-0070	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	748.26	
26 05 43 00-0071		Precast Concrete Trenches, One Piece H20 Road Crossing Trench *(26 05 43)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: H20 Rated for 32,000 Lb Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.

26 05 43 00-0072 10" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*

26 05 43 00-0073	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	242.52	
26 05 43 00-0074	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	230.80	
26 05 43 00-0075	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	302.95	
26 05 43 00-0076	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	288.16	
26 05 43 00-0077	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	232.86	
26 05 43 00-0078	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	221.70	
26 05 43 00-0079	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	293.29	
26 05 43 00-0080	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	279.09	
26 05 43 00-0081	EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	160.35	
26 05 43 00-0082	EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	217.05	
26 05 43 00-0083	EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	145.02	
26 05 43 00-0084	EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	201.38	
26 05 43 00-0085	LF	Lid, Concrete 10" Wide Road Crossing Trench	111.91	
26 05 43 00-0086	LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench	360.75	

26 05 43 00-0087 20" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*

26 05 43 00-0088	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	257.07	
26 05 43 00-0089	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	245.04	
26 05 43 00-0090	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	340.06	
26 05 43 00-0091	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	323.97	
26 05 43 00-0092	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	257.07	
26 05 43 00-0093	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	245.04	
26 05 43 00-0094	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	330.40	
26 05 43 00-0095	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	314.90	
26 05 43 00-0096	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	229.04	
26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	311.70	
26 05 43 00-0098	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	206.72	
26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	289.38	
26 05 43 00-0100	LF	Lid, Concrete 20" Wide Road Crossing Trench	124.78	
26 05 43 00-0101	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench	535.16	

26 05 43 00-0102 30" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*

26 05 43 00-0103	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	303.50	
26 05 43 00-0104	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	289.73	
26 05 43 00-0105	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	375.26	
26 05 43 00-0106	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	358.16	
26 05 43 00-0107	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	293.83	
26 05 43 00-0108	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	280.64	
26 05 43 00-0109	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	365.59	
26 05 43 00-0110	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	348.77	
26 05 43 00-0111	EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	305.46	
26 05 43 00-0112	EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	404.48	
26 05 43 00-0113	EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	276.14	
26 05 43 00-0114	EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	375.16	
26 05 43 00-0115	LF	Lid, Concrete 30" Wide Road Crossing Trench	157.95	
26 05 43 00-0116	LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench	671.09	

26 05 43 00-0117 40" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*

26 05 43 00-0118	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	335.01	
26 05 43 00-0119	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	320.22	
26 05 43 00-0120	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	412.44	
26 05 43 00-0121	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	393.87	
26 05 43 00-0122	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	325.35	
26 05 43 00-0123	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	311.15	
26 05 43 00-0124	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	402.77	
26 05 43 00-0125	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	384.78	
26 05 43 00-0126	EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	379.06	
26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	501.64	
26 05 43 00-0128	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	343.08	
26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	465.65	
26 05 43 00-0130	LF	Lid, Concrete 40" Wide Road Crossing Trench	190.78	
26 05 43 00-0131	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	912.54	

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	1,044.13	337.78
		For Class 1 Pole, Add	*128.95*	
		For Class 2 Pole, Add	*73.69*	
		For Class 4 Pole, Deduct	*-36.84*	
		For Class 5 Pole, Deduct	*-110.53*	
		For Class 6 Pole, Deduct	*-147.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	1,249.83	374.78
		For Class 1 Pole, Add	*175.08*	
		For Class 2 Pole, Add	*100.05*	
		For Class 4 Pole, Deduct	*-50.02*	
		For Class 5 Pole, Deduct	*-150.07*	
		For Class 6 Pole, Deduct	*-200.09*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,620.24	495.66
		For Class 1 Pole, Add	*220.16*	
		For Class 2 Pole, Add	*125.81*	
		For Class 4 Pole, Deduct	*-62.90*	
		For Class 5 Pole, Deduct	*-188.71*	
		For Class 6 Pole, Deduct	*-251.62*	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,854.15	545.18
		For Class 1 Pole, Add	*267.34*	
		For Class 2 Pole, Add	*152.77*	
		For Class 4 Pole, Deduct	*-76.38*	
		For Class 5 Pole, Deduct	*-229.15*	
		For Class 6 Pole, Deduct	*-305.53*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	2,119.14	607.21
		For Class 1 Pole, Add	*316.61*	
		For Class 2 Pole, Add	*180.92*	
		For Class 4 Pole, Deduct	*-90.46*	
		For Class 5 Pole, Deduct	*-271.38*	
		For Class 6 Pole, Deduct	*-361.84*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	2,411.29	681.47
		For Class 1 Pole, Add	*366.94*	
		For Class 2 Pole, Add	*209.68*	
		For Class 4 Pole, Deduct	*-104.84*	
		For Class 5 Pole, Deduct	*-314.52*	
		For Class 6 Pole, Deduct	*-419.36*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	2,697.35	749.55
		For Class 1 Pole, Add	*419.36*	
		For Class 2 Pole, Add	*239.63*	
		For Class 4 Pole, Deduct	*-119.82*	
		For Class 5 Pole, Deduct	*-359.45*	
		For Class 6 Pole, Deduct	*-479.26*	
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	3,014.50	824.24
		For Class 1 Pole, Add	*478.07*	
		For Class 2 Pole, Add	*273.18*	
		For Class 4 Pole, Deduct	*-136.59*	
		For Class 5 Pole, Deduct	*-409.77*	
		For Class 6 Pole, Deduct	*-546.36*	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	4,944.07	898.36
		For Class 1 Pole, Add	*1,101.55*	
		For Class 2 Pole, Add	*629.46*	
		For Class 4 Pole, Deduct	*-314.73*	
		For Class 5 Pole, Deduct	*-944.19*	
		For Class 6 Pole, Deduct	*-1,258.92*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	5,429.86	955.64
		For Class 1 Pole, Add	*1,231.49*	
		For Class 2 Pole, Add	*703.71*	
		For Class 4 Pole, Deduct	*-351.86*	
		For Class 5 Pole, Deduct	*-1,055.57*	
		For Class 6 Pole, Deduct	*-1,407.42*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	5,969.22	1,020.70
		For Class 1 Pole, Add	*1,374.72*	
		For Class 2 Pole, Add	*785.56*	
		For Class 4 Pole, Deduct	*-392.78*	
		For Class 5 Pole, Deduct	*-1,178.33*	
		For Class 6 Pole, Deduct	*-1,571.11*	

26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm *(26 05 46 00-0001)*

26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	28.79	

26 05 46 00-0016 Crossarms *(26 05 46)*

Note: Includes hardware and braces.

26 05 46 00-0017 Wood Single Arm Crossarms *(26 05 46 00-0016)*

26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	245.92	100.74
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	297.35	100.74
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	312.21	129.53

26 05 46 00-0021 Wood Double Arm Crossarms *(26 05 46 00-0016)*

26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	633.61	280.65
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	674.58	280.65
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	702.32	280.65

26 05 46 00-0025 Fiberglass Crossarms *(26 05 46 00-0016)*

Note: Includes hardware.

26 05 46 00-0026 Single Phase, 15 Degree Angle *(26 05 46 00-0025)*

26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.	285.39	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.	359.47	60.44
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	373.87	64.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0030		**Two Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.	447.69	77.72
26 05 46 00-0032		**Fiberglass Crossarm Accessories** *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor	701.05	99.30
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor	830.94	120.90
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	121.92	17.27
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	609.62	86.36
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	480.90	143.92
26 05 46 00-0038		**Insulator Support System** *(26 05 46 00-0016)*		
26 05 46 00-0039		**Epoxy Construction Units, In Place Mounting** *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	144.42	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	117.94	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	340.93	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	230.68	
26 05 46 00-0044		**Epoxy Construction Units, Grounding Mounting** *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	102.77	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	90.18	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	313.17	
26 05 46 00-0048		**Guying** *(26 05 46)*		
		Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		**Down Guy** *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	1,002.83	402.98
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	1,021.47	402.98
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	1,059.82	402.98
26 05 46 00-0053	EA	Guy Guard, Plastic	41.85	
26 05 46 00-0054		**Head Guy, 50' Spans** *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	1,442.15	618.86
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	1,442.15	618.86
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	1,442.15	618.86
26 05 46 00-0058		**Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)*		
		Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	611.42	302.23
26 05 46 00-0060		**Pole Anchor** *(26 05 46 00-0048)*		
		Note: Joslyn.		
26 05 46 00-0061	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	70.63	29.56
26 05 46 00-0062	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	80.29	29.56
26 05 46 00-0063	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	107.66	33.26
26 05 46 00-0064	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	152.18	36.96
26 05 46 00-0065	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	173.95	40.65
26 05 46 00-0066	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	280.00	55.43
26 05 46 00-0067		**Insulators** *(26 05 46)*		
26 05 46 00-0068		**Pin Insulator With Pin** *(26 05 46 00-0067)*		
26 05 46 00-0069	EA	5 KV Class 55-3, Pin Insulator With Pin	192.96	86.36
26 05 46 00-0070	EA	15 KV Class 55-5, Pin Insulator With Pin	198.40	86.36
26 05 46 00-0071		**Suspension Insulator** *(26 05 46 00-0067)*		
		Note: Includes clevis and strain clamp.		
26 05 46 00-0072	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	244.83	115.14
26 05 46 00-0073	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	259.63	115.14
26 05 46 00-0074	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	363.86	143.92
26 05 46 00-0075	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	575.85	230.27
26 05 46 00-0076		**Spool Insulator With Clevis** *(26 05 46 00-0067)*		
26 05 46 00-0077	EA	5 KV Class 53-5, Spool Insulator With Clevis	81.51	35.98
26 05 46 00-0078	EA	15 KV Class, Spool Insulator With Clevis	261.21	129.53
26 05 46 00-0079	EA	25 KV Class, Spool Insulator With Clevis	338.80	129.53
26 05 46 00-0080		**Secondary Rack** *(26 05 46 00-0067)*		
26 05 46 00-0081	EA	1 Spool Secondary Rack	161.96	71.96
26 05 46 00-0082	EA	2 Spool Secondary Rack	166.74	91.82
26 05 46 00-0083	EA	3 Spool Secondary Rack	249.70	122.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0084	EA	4 Spool Secondary Rack	280.67	122.34
26 05 46 00-0085		**Outdoor Load Break Switches** *(26 05 46)* Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0087	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,173.76	489.33
26 05 46 00-0088	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	10,161.46	489.33
26 05 46 00-0089	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,137.01	827.56
26 05 46 00-0090	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,434.60	827.56
26 05 46 00-0091		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0092	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,328.25	489.33
26 05 46 00-0093	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,014.28	489.33
26 05 46 00-0094	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,137.01	827.56
26 05 46 00-0095	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,434.60	827.56
26 05 46 00-0096		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0085)*		
26 05 46 00-0097	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,976.27	568.50
26 05 46 00-0098	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	13,144.89	568.50
26 05 46 00-0099	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,809.72	978.67
26 05 46 00-0100	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,117.06	978.67
26 05 46 00-0101		**Square Distribution Poles** *(26 05 46)*		
26 05 46 00-0102		**Square Steel Tapered Shaft Distribution Poles** *(26 05 46 00-0101)*		
26 05 46 00-0103	EA	20', Steel Taped Shaft Distribution Pole	3,841.86	611.67
26 05 46 00-0104	EA	25', Steel Taped Shaft Distribution Pole	4,295.74	647.65
26 05 46 00-0105	EA	30', Steel Taped Shaft Distribution Pole	4,659.45	719.61
26 05 46 00-0106	EA	35', Steel Taped Shaft Distribution Pole	5,156.35	791.57
26 05 46 00-0107	EA	40', Steel Taped Shaft Distribution Pole	7,009.43	863.54
26 05 46 00-0108		**Square Prestressed Concrete Distribution Poles** *(26 05 46 00-0101)*		
26 05 46 00-0109	EA	30', Prestressed Concrete Square Pole For Distribution	5,445.57	1,087.94
26 05 46 00-0110	EA	35', Prestressed Concrete Square Pole For Distribution	6,153.22	1,193.23
26 05 46 00-0111	EA	40', Prestressed Concrete Square Pole For Distribution	7,221.58	1,333.61
26 05 46 00-0112	EA	45', Prestressed Concrete Square Pole For Distribution	8,137.56	1,473.99
26 05 46 00-0113	EA	50', Prestressed Concrete Square Pole For Distribution	6,308.02	1,789.84
26 05 46 00-0114	EA	55', Prestressed Concrete Square Pole For Distribution	11,477.67	2,105.71
26 05 46 00-0115	EA	60', Prestressed Concrete Square Pole For Distribution	13,543.65	2,386.46
26 05 46 00-0116	EA	65', Prestressed Concrete Square Pole For Distribution	16,346.85	2,947.99
26 05 46 00-0117	EA	70', Prestressed Concrete Square Pole For Distribution	18,311.48	3,228.74
26 05 46 00-0118		**Aluminum Tapered Poles** *(26 05 46)*		
26 05 46 00-0119		**Aluminum Tapered Round Seamless Shaft Poles** *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,807.74	539.71
26 05 46 00-0121	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,343.03	575.69
26 05 46 00-0122	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,147.42	647.65
26 05 46 00-0123	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,302.10	719.61
26 05 46 00-0124	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	11,112.62	791.57
26 05 46 00-0125		**Steel Service Poles Distribution** *(26 05 46)* Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126		**Round Tapered Pole** *(26 05 46 00-0125)*		
26 05 46 00-0127	EA	40', Galvanized Steel Tapered Round Pole For Distribution	5,295.00	863.54
26 05 46 00-0128	EA	45', Galvanized Steel Tapered Round Pole For Distribution	6,159.16	935.49
26 05 46 00-0129	EA	50', Galvanized Steel Tapered Round Pole For Distribution	6,561.37	1,007.45
26 05 46 00-0130	EA	55', Galvanized Steel Tapered Round Pole For Distribution	7,729.93	1,151.38
26 05 46 00-0131	EA	60', Galvanized Steel Tapered Round Pole For Distribution	9,570.98	1,295.30
26 05 46 00-0132	EA	65', Galvanized Steel Tapered Round Pole For Distribution	11,305.78	1,649.47
26 05 46 00-0133	EA	70', Galvanized Steel Tapered Round Pole For Distribution	12,582.02	1,871.27
26 05 46 00-0134	EA	75', Galvanized Steel Tapered Round Pole For Distribution	13,904.83	2,105.71
26 05 46 00-0135	EA	80', Galvanized Steel Tapered Round Pole For Distribution	15,598.23	2,386.46
26 05 46 00-0136	EA	85', Galvanized Steel Tapered Round Pole For Distribution	16,670.05	2,526.84
26 05 46 00-0137	EA	90', Galvanized Steel Tapered Round Pole For Distribution	18,082.10	2,807.61
26 05 46 00-0138	EA	95', Galvanized Steel Tapered Round Pole For Distribution	19,897.20	3,158.55
26 05 46 00-0139	EA	100', Galvanized Steel Tapered Round Pole For Distribution	21,948.17	3,579.69
26 05 46 00-0140		**12 Sided Tapered** *(26 05 46 00-0125)*		
26 05 46 00-0141	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,119.74	863.54
26 05 46 00-0142	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,066.76	935.49
26 05 46 00-0143	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,151.26	1,007.45
26 05 46 00-0144	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,247.36	1,151.38
26 05 46 00-0145	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,300.65	1,295.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0146	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,076.84	1,649.47
26 05 46 00-0147	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,945.00	1,871.27
26 05 46 00-0148	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	22,531.41	2,105.71
26 05 46 00-0149	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	24,213.98	2,386.46
26 05 46 00-0150	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	25,653.35	2,526.84
26 05 46 00-0151	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	29,127.66	2,807.61
26 05 46 00-0152	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	30,911.80	3,158.55
26 05 46 00-0153	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	33,035.08	3,579.69
26 05 46 00-0154	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	35,308.68	4,000.83
26 05 46 00-0155		**Standard Options For Round, 12 Sided and Octagonal Tapered Poles** *(26 05 46 00-0125)*		
26 05 46 00-0156	EA	Ladder Clips	24.55	
26 05 46 00-0157	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	184.22	
26 05 46 00-0158	EA	Ground Sleeve-2' At Ground Line	185.29	
26 05 46 00-0159		**Arms With Baseplates And Endplates** *(26 05 46 00-0125)*		
26 05 46 00-0160	EA	4' Arm With Baseplate And Endplate	830.19	143.92
26 05 46 00-0161	EA	5' Arm With Baseplate And Endplate	903.73	143.92
26 05 46 00-0162	EA	6' Arm With Baseplate And Endplate	1,122.31	215.89
26 05 46 00-0163	EA	7' Arm With Baseplate And Endplate	1,186.63	215.89
26 05 46 00-0164	EA	8' Arm With Baseplate And Endplate	1,403.00	287.85
26 05 46 00-0165	EA	9' Arm With Baseplate And Endplate	1,476.50	287.85
26 05 46 00-0166	EA	10' Arm With Baseplate And Endplate	1,960.58	359.80
26 05 46 00-0167	EA	11' Arm With Baseplate And Endplate	2,043.09	359.80
26 05 46 00-0168		**Standard Vangs Load Bearing At Any Angle** *(26 05 46 00-0125)*		
26 05 46 00-0169	EA	15,000 Lb. Standard Vangs Load Bearing At Any Angle	348.50	143.92
26 05 46 00-0170	EA	30,000 Lb. Standard Vangs Load Bearing At Any Angle	393.55	143.92
26 05 46 00-0171	EA	45,000 Lb. Standard Vangs Load Bearing At Any Angle	455.16	143.92
26 05 46 00-0172		**Armless Construction Brackets** *(26 05 46 00-0125)*		
26 05 46 00-0173		**Verticals Insulator And Equipment Bracket** *(26 05 46 00-0172)*		
26 05 46 00-0174	EA	7" 1 Position Vertical Insulation And Equipment Bracket	355.84	143.92
26 05 46 00-0175	EA	12" 1 Position Vertical Insulation And Equipment Bracket	384.29	143.92
26 05 46 00-0176	EA	12" 3 Position Vertical Insulation And Equipment Bracket	430.50	143.92
26 05 46 00-0177	EA	18" 1 Position Vertical Insulation And Equipment Bracket	604.58	215.89
26 05 46 00-0178	EA	18" 3 Position Vertical Insulation And Equipment Bracket	631.57	215.89
26 05 46 00-0179		**Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0172)*		
26 05 46 00-0180	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	333.69	143.92
26 05 46 00-0181	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	393.46	143.92
26 05 46 00-0182	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	575.63	215.89
26 05 46 00-0183	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	716.70	215.89
26 05 46 00-0184	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	919.48	287.85
26 05 46 00-0185	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	994.35	287.85
26 05 46 00-0186		**Pole Top Bracket And Pins** *(26 05 46 00-0172)*		
26 05 46 00-0187	EA	Pole Top Pin - 5"	342.37	143.92
26 05 46 00-0188	EA	Pole Top Bracket - 5"	356.88	143.92
26 05 46 00-0189		**Angle Pins** *(26 05 46 00-0172)*		
26 05 46 00-0190	EA	Angle Pin - 25 Degree, 6"	340.41	143.92
26 05 46 00-0191	EA	Angle Pin - 25 Degree, 7 1/4"	387.54	143.92
26 05 46 00-0192		**Static And Neutral Wire Brackets** *(26 05 46 00-0172)*		
26 05 46 00-0193	EA	Neutral Wire Extension Bracket	362.85	143.92
26 05 46 00-0194	EA	Static Wire Support Bracket	368.23	143.92
26 05 46 00-0195		**Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0172)*		
26 05 46 00-0196	EA	Cutout And Arrestor, With Mounting Bracket	324.40	143.92
26 05 46 00-0197	EA	Equipment Mounting T Bracket	348.31	143.92
26 05 46 00-0198	EA	15 KV Cutout	457.78	
26 05 46 00-0199	EA	9/10 KV Arrestor	424.13	143.92
26 05 46 00-0200		**Spacer Cable, Conduit Support And Cluster Bracket** *(26 05 46 00-0172)*		
26 05 46 00-0201	EA	Parallel Cable Spacer	401.45	143.92
26 05 46 00-0202	EA	Conduit Standoff Support Bracket	384.28	143.92
26 05 46 00-0203	EA	Three Transformer Pole Mounted Cluster Bracket	979.42	143.92
26 05 46 00-0204		**15 KV, 200 Amperes, Solenoid Operated High Voltage Switch** *(26 05 46 00-0172)* Note: Includes pole mounting bracket.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0205	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,201.92	359.80
26 05 46 00-0206		**Octagonal Tapered** *(26 05 46 00-0125)*		
26 05 46 00-0207	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,404.01	863.54
26 05 46 00-0208	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,382.06	935.49
26 05 46 00-0209	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,502.73	1,007.45
26 05 46 00-0210	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	12,629.84	1,223.34
26 05 46 00-0211	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	16,827.86	1,295.30
26 05 46 00-0212	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	18,645.40	1,649.47
26 05 46 00-0213	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	21,606.60	1,754.75
26 05 46 00-0214	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	23,236.94	2,105.71
26 05 46 00-0215	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	24,960.85	2,246.08
26 05 46 00-0216	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	26,444.17	2,526.84
26 05 46 00-0217	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	30,029.60	2,667.22
26 05 46 00-0218	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	31,860.26	3,158.55
26 05 46 00-0219	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	34,030.06	3,369.12
26 05 46 00-0220	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	36,355.35	3,790.27
26 05 46 00-0221		**Removal And Relocation Of Steel Service Poles** *(26 05 46 00-0125)*		
26 05 46 00-0222	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	50.36	
26 05 46 00-0223		**Special Steel Bases For Poles** *(26 05 46 00-0125)*		
26 05 46 00-0224	EA	Spin-In Steel Base For Poles	293.25	
26 05 46 00-0225	EA	Series 3, 25' Pole And less	324.75	71.96
26 05 46 00-0226	EA	Series 4, 40' Pole And less	386.52	82.76
26 05 46 00-0227	EA	Series 5, 50' Pole And less	441.11	89.95

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001		**Conduit Markers Pressure-Sensitive** *(26 05 53)* Note: Stick-on, includes arrow tape.		
26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	14.64	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	15.29	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	16.60	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	16.86	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	17.11	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	17.51	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	20.57	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	21.09	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	21.47	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	21.88	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	22.69	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	23.56	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	24.32	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	25.09	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	27.57	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	28.99	
26 05 53 00-0018		**Labeling Existing Electrical Wires** *(26 05 53)* Note: Self-adhesive vinyl coated white cloth		
26 05 53 00-0019	EA	Labeling Existing Wire	3.98	
26 05 53 00-0020		**Equipment Labeling** *(26 05 53)*		
26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	25.52	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	20.42	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	30.62	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	25.52	

26 05 83 Wiring Connections *(26 05)*

26 05 83 00-0001		**Tape Wrapped Compression Connectors** *(26 05 83)*		
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.37	5.83
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	19.04	6.48
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	20.62	7.13
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	23.86	7.78
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	25.67	8.43
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	28.47	9.08
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	30.52	9.72
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	33.24	10.37
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	36.79	11.66
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	38.59	12.32
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	42.96	12.97
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	46.77	13.62
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	52.28	14.91
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	60.66	16.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 83 00-0016 One Hole Compression Lugs *(26 05 83)*

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	22.44	16.85
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	22.61	16.85
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	25.59	18.15
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	31.76	20.10
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	44.56	25.93
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	52.11	25.93
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	59.96	25.93
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	73.79	38.90
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	86.43	38.90
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	101.11	38.90
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	121.89	51.87
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	144.54	77.79
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	165.35	77.79
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	177.70	77.79
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	193.59	90.76
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	211.68	90.76
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	230.01	103.72
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	270.74	116.69

26 05 83 00-0035 Two Hole Compression Lugs *(26 05 83)*

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	45.88	22.05
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	49.28	23.47
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	51.91	23.47
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	59.74	26.97
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	73.56	33.71
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	86.19	40.06
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	100.84	46.94
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	121.58	56.92
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	144.18	67.55
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	164.94	77.15
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	177.26	83.11
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	193.08	89.99
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	211.10	98.28
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	230.77	106.58
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	285.91	129.66

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors *(26 05 83)*

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	68.36	51.87
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	75.17	55.76
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	85.72	58.34
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	99.59	64.82
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	117.65	71.31
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	132.18	77.79
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	165.31	84.27
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	177.37	90.76
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	186.98	97.24
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	213.72	106.97
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	240.45	155.59
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	263.52	129.66
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	286.58	175.03
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	318.67	181.52
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	361.63	194.48

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	113.99	51.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.23*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	126.71	51.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.87*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	175.34	77.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.22*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	198.90	77.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.87*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	238.14	97.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.94*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	333.05	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.04*	

26 05 83 00-0074 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	1,150.26	479.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*288.12*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	302.16	64.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.33*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	334.15	64.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.75*	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	45.87	23.47
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	49.28	23.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	51.91	23.47
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	59.74	26.97
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	73.56	33.71
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	86.19	40.06
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	100.84	46.94
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	121.58	56.92
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	144.18	67.55
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	164.94	77.15
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	177.26	83.11
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	193.08	89.99
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	211.10	98.28
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	211.62	98.28
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	45.87	23.47
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	49.28	23.47
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	51.91	23.47
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	59.74	26.97
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	73.56	33.71
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	86.19	40.06
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	100.84	46.94
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	121.58	56.92
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	144.18	67.55
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	164.94	77.15
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	177.26	83.11
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	193.08	89.99
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	211.10	98.28
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	211.62	98.28

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	36.61	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	43.95	19.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	50.78	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	66.38	28.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.36*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	89.39	38.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	106.45	45.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.11*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	124.38	51.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	141.50	58.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.90*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	161.86	64.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	181.91	71.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.80*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	201.87	77.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.67*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	221.69	84.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.53*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	241.85	90.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.46*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	274.15	103.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.04*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	310.34	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	69.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	67.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.68*	

26 05 83 00-0126 Other Connections *(26 05 83)*

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	12.92	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.56*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	13.03	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.56*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	13.14	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.56*	

26 05 83 00-0130 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.

26 05 83 00-0131 AC Single Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	78.25	32.42
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	77.80	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.31	38.90
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	111.75	48.62
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	112.66	48.62
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	112.84	48.62
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	115.81	48.62
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.59	64.82
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	151.93	64.82
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	191.82	81.04

26 05 83 00-0142 AC Three Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	77.80	32.42
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.31	38.90
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	111.75	48.62
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	112.66	48.62
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	112.84	48.62
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	115.81	48.62
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.59	64.82
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	151.93	64.82
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	191.82	81.04
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	196.33	81.04
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	246.50	97.24
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	253.36	97.24
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	344.96	129.66
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	432.32	162.07
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	510.32	194.48
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	606.33	226.90
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	696.58	259.32
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	865.09	324.14
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,022.37	385.73
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,209.20	449.91
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,731.26	674.73

26 05 83 00-0164 AC Three Phase, 460 Volt *(26 05 83 00-0130)*

26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	77.80	32.42
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.31	38.90
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	111.75	48.62
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	112.66	48.62
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	112.84	48.62
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	115.81	48.62
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.59	64.82
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	151.93	64.82
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	191.82	81.04
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	196.33	81.04
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	246.51	97.24
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	253.35	97.24
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	344.96	129.66
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	432.71	162.33
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	510.32	194.48
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	606.33	226.90
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	696.58	259.32
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	865.09	324.14
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,022.74	385.86
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,209.70	450.17
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,732.38	675.26

26 05 83 00-0186 AC Single Phase, 120 Volt *(26 05 83 00-0130)*

26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	78.26	32.42

26 05 83 00-0188 Motor Moisture Sensor *(26 05 83 00-0130)*

26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	794.37	

26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001 Lighting Contactors *(26 09 23)*

Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors *(26 09 23 00-0001)*

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	565.18	103.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.24*	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	701.22	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,321.32	181.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,066.24	246.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.81*	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,348.71	324.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.48*	

26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	638.38	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	768.44	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,428.22	207.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.47*	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,230.15	272.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.37*	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,666.14	356.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.93*	

26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	753.49	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	907.38	142.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.57*	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,731.69	233.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.03*	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,674.17	298.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.93*	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	5,972.31	388.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.38*	

26 09 23 00-0022 NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0023 2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	932.26	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,894.85	181.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.91*	
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,857.44	246.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.81*	

26 09 23 00-0027 3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,340.02	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,077.51	207.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.47*	
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,148.98	272.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.37*	
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	7,318.14	356.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.93*	

26 09 23 00-0032 4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,263.25	142.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.57*	
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,083.48	233.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.03*	
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,851.85	298.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.93*	

26 09 23 00-0036 NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0037 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*

26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	945.48	103.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.24*	
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,205.42	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,326.78	181.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.91*	
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,494.33	246.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.81*	
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	6,786.18	324.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.48*	

26 09 23 00-0043 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*

26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	978.93	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,272.64	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,436.62	207.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.47*	
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,657.25	272.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0048	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	7,102.62	356.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.93*	

26 09 23 00-0049 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*

26 09 23 00-0050	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,057.51	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0051	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,411.59	142.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.57*	
26 09 23 00-0052	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,132.25	233.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.03*	
26 09 23 00-0053	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,493.42	298.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.93*	
26 09 23 00-0054	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	9,489.93	388.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.38*	

26 09 23 00-0055 NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0056 2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*

26 09 23 00-0057	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,844.95	181.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.91*	
26 09 23 00-0058	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,038.28	246.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.81*	
26 09 23 00-0059	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,777.56	324.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.48*	

26 09 23 00-0060 3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*

26 09 23 00-0061	EA	60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,039.08	207.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.47*	
26 09 23 00-0062	EA	100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,293.39	272.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.37*	

26 09 23 00-0063 4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*

26 09 23 00-0064	EA	60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	1,556.97	233.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.03*	
26 09 23 00-0065	EA	100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,153.87	298.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.93*	

26 09 23 00-0066 Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*

26 09 23 00-0067 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*

26 09 23 00-0068 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*

26 09 23 00-0069	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	842.35	103.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.24*	
26 09 23 00-0070	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	958.72	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 09 23 00-0071	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,822.57	181.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.91*	
26 09 23 00-0072	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,540.96	246.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.81*	
26 09 23 00-0073	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	5,889.82	324.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.48*	

26 09 23 00-0074 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*

26 09 23 00-0075	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	899.43	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 09 23 00-0076	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,027.91	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0077	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,932.42	207.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.47*	
26 09 23 00-0078	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,705.85	272.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.37*	
26 09 23 00-0079	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,624.96	356.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.93*	

26 09 23 00-0080 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*

26 09 23 00-0081	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	970.49	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0082	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,095.11	142.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.57*	
26 09 23 00-0083	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,262.43	233.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.03*	
26 09 23 00-0084	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,178.37	298.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.93*	
26 09 23 00-0085	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	8,004.84	388.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0086		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0087		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0088	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,270.99	103.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.24*	
26 09 23 00-0089	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,462.93	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 09 23 00-0090	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,830.98	181.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.91*	
26 09 23 00-0091	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,969.04	246.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.81*	
26 09 23 00-0092	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,325.33	324.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.48*	
26 09 23 00-0093		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0094	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,342.04	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 09 23 00-0095	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,532.11	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0096	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,940.83	207.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.47*	
26 09 23 00-0097	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,134.91	272.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.37*	
26 09 23 00-0098	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	9,062.43	356.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.93*	
26 09 23 00-0099		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,418.47	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,599.31	142.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.57*	
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,662.99	233.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.03*	
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,997.63	298.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.93*	
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	11,450.72	388.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.38*	
26 09 23 00-0105		NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0106		2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	789.13	116.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,459.90	207.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.91*	
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,989.30	246.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.81*	
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	4,643.87	324.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.48*	
26 09 23 00-0111		3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	840.05	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0113		4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	6,267.09	388.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.38*	
26 09 23 00-0115		Combination Lighting Contactors *(26 09 23)*		
		Note: Up to 600 volt.		
26 09 23 00-0116		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0117		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0118		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0117)*		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,634.20	142.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.57*	
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,561.66	228.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.92*	
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,146.13	299.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,591.15	392.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.33*	

26 09 23 00-0123 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*

26 09 23 00-0124 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0123)*

26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,977.27	142.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.57*	
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,631.54	228.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.92*	
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,758.11	299.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.71*	
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	12,211.54	392.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.33*	

26 09 23 00-0129 Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0115)*

26 09 23 00-0130 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*

26 09 23 00-0131 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0130)*

26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,787.53	142.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.57*	
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,092.40	228.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.92*	
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,648.86	299.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.71*	
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	9,019.73	392.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.33*	

26 09 23 00-0136 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*

26 09 23 00-0137 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0136)*

26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,132.07	142.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.57*	
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,165.23	228.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.92*	
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,262.31	299.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.71*	
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	13,640.11	392.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.33*	

26 09 23 00-0142 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)*

26 09 23 00-0143	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	148.55	33.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.26*	
26 09 23 00-0144	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	161.98	33.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.26*	

26 09 23 00-0145 Dimming Module System (Lutron Grafik Eye) *(26 09 23)*

26 09 23 00-0146	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,809.53	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0147	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	2,336.03	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	
26 09 23 00-0148	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	2,871.92	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.80*	

26 09 23 00-0149 Dimming Module Contol (Leviton) *(26 09 23)*

26 09 23 00-0150	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	234.10	16.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.74*	

26 09 23 00-0151 Light Control Panels *(26 09 23)*

26 09 23 00-0152 Lighting Control Panels (Watt Stopper) *(26 09 23 00-0151)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0153		**Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0152)*		
26 09 23 00-0154	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	2,121.54	181.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.08*	
26 09 23 00-0155	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,987.60	194.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.87*	
26 09 23 00-0156	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	2,237.42	194.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.87*	
26 09 23 00-0157	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	3,355.39	194.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.87*	
26 09 23 00-0158	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,648.68	194.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.87*	
26 09 23 00-0159	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	2,361.80	181.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.08*	
26 09 23 00-0160	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	2,534.29	194.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.87*	
26 09 23 00-0161	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,827.29	194.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.87*	
26 09 23 00-0162	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	3,472.60	194.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.87*	
26 09 23 00-0163	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	3,765.88	194.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.87*	
26 09 23 00-0164		**Accessories For Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0152)*		
26 09 23 00-0165	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	204.20	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 09 23 00-0166	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	157.08	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0167	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	81.71	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0168		**Lighting Control Panels (Synergy)** *(26 09 23 00-0151)*		
26 09 23 00-0169		**Lighting Control Panels (Synergy)** *(26 09 23 00-0168)*		
26 09 23 00-0170	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,871.01	194.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.87*	
26 09 23 00-0171		**Accessories For Lighting Control Panels (Synergy)** *(26 09 23 00-0168)*		
26 09 23 00-0172	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	703.38	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 09 23 00-0173	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	272.46	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 09 23 00-0174	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	154.96	19.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.69*	
26 09 23 00-0175		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0151)*		
26 09 23 00-0176		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0175)*		
26 09 23 00-0177	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	2,338.15	194.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.87*	
26 09 23 00-0178	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	3,202.70	207.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.66*	
26 09 23 00-0179	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	4,191.25	220.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.45*	
26 09 23 00-0180		**Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)** *(26 09 23 00-0151)*		
26 09 23 00-0181	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,566.41	181.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.08*	
26 09 23 00-0182	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,785.10	181.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.08*	
26 09 23 00-0183	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	2,003.79	181.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.08*	
26 09 23 00-0184		**Power Filters** *(26 09 23 00-0151)*		
26 09 23 00-0185	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	42,364.25	1,080.43
26 09 23 00-0186	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	25,061.52	469.74
26 09 23 00-0187		**Signal Filters** *(26 09 23 00-0151)*		
26 09 23 00-0188	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	19,385.92	982.28
26 09 23 00-0189	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	13,261.51	600.31
26 09 23 00-0190	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	7,397.63	348.52
26 09 23 00-0191	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	10,077.85	348.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0192		**Lighting Control Devices (Encelium)** *(26 09 23)*		
26 09 23 00-0193	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	16,566.01	129.86
26 09 23 00-0194	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,574.82	129.86
26 09 23 00-0195	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	3,943.70	129.86
26 09 23 00-0196	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	16,663.43	129.86
26 09 23 00-0197	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	131.38	16.23
26 09 23 00-0198	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	203.32	16.23
26 09 23 00-0199	EA	Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	256.10	32.47
26 09 23 00-0200	EA	Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	308.98	32.47
26 09 23 00-0201	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	163.83	32.47
26 09 23 00-0202	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	235.77	32.47
26 09 23 00-0203	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	593.57	64.92
26 09 23 00-0204	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	445.78	64.92
26 09 23 00-0205	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	817.31	64.92
26 09 23 00-0206	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	278.76	64.92
26 09 23 00-0207	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	916.28	64.92
26 09 23 00-0208	EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,608.02	259.71
26 09 23 00-0209	EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	7,112.76	64.92
26 09 23 00-0210	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	266.37	16.23
26 09 23 00-0211	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	324.81	16.23
26 09 23 00-0212	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	310.71	16.23
26 09 23 00-0213	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	324.81	16.23
26 09 23 00-0214	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	310.71	16.23
26 09 23 00-0215	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	234.77	16.23
26 09 23 00-0216	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	324.81	16.23
26 09 23 00-0217	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	310.71	16.23
26 09 23 00-0218	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	229.09	16.23
26 09 23 00-0219	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	97.56	16.23
26 09 23 00-0220	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	79.71	32.47
26 09 23 00-0221	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	80.33	32.47
26 09 23 00-0222	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	85.31	32.47
26 09 23 00-0223	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	90.23	32.47
26 09 23 00-0224	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	96.10	32.47
26 09 23 00-0225	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	101.39	32.47
26 09 23 00-0226	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	107.89	32.47
26 09 23 00-0227	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	137.28	32.47
26 09 23 00-0228	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	880.13	32.47
26 09 23 00-0229	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	214.07	32.47
26 09 23 00-0230	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	1,136.08	32.47
26 09 23 00-0231	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	665.45	64.92
26 09 23 00-0232	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	665.45	64.92
26 09 23 00-0233	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	665.45	64.92
26 09 23 00-0234	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	346.97	64.92
26 09 23 00-0235	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	336.29	64.92
26 09 23 00-0236	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	343.41	64.92
26 09 23 00-0237	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	379.00	64.92
26 09 23 00-0238	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	343.41	64.92
26 09 23 00-0239	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	272.24	64.92
26 09 23 00-0240	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	288.51	64.92
26 09 23 00-0241	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	288.51	64.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0242	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	152.92	64.92
26 09 23 00-0243	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	352.22	64.92
26 09 23 00-0244	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	497.31	64.92
26 09 23 00-0245	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	435.95	64.92
26 09 23 00-0246	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	464.42	64.92
26 09 23 00-0247	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	478.67	64.92
26 09 23 00-0248	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	432.39	64.92
26 09 23 00-0249	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	361.22	64.92
26 09 23 00-0250	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	451.26	64.92
26 09 23 00-0251	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	447.53	64.92
26 09 23 00-0252	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	496.10	64.92
26 09 23 00-0253	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	481.17	64.92
26 09 23 00-0254	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	517.66	64.92
26 09 23 00-0255	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	481.31	64.92
26 09 23 00-0256	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	481.31	64.92
26 09 23 00-0257	EA	10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	317.29	64.92
26 09 23 00-0258	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	339.66	64.92
26 09 23 00-0259	EA	20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	593.07	64.92
26 09 23 00-0260	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	634.15	64.92
26 09 23 00-0261	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	468.44	64.92
26 09 23 00-0262	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	488.29	64.92
26 09 23 00-0263	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	1,398.67	129.86
26 09 23 00-0264	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	4,374.36	519.41
26 09 23 00-0265	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	6,375.68	519.41
26 09 23 00-0266	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	8,376.98	519.41
26 09 23 00-0267	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	699.34	64.92
26 09 23 00-0268	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	801.04	64.92
26 09 23 00-0269	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	2,163.71	64.92
26 09 23 00-0270	EA	Wireless Control Module (Encelium EN-WCM-ZB)	295.42	32.47
26 09 23 00-0271	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	349.66	32.47
26 09 23 00-0272	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	351.01	32.47
26 09 23 00-0273	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	363.80	32.47
26 09 23 00-0274	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0275	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0276	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0277	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0278	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0279	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	271.78	16.23
26 09 23 00-0280	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	577.31	64.92
26 09 23 00-0281	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	360.36	64.92
26 09 23 00-0282	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	360.36	64.92
26 09 23 00-0283	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	414.60	64.92
26 09 23 00-0284	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	414.60	64.92
26 09 23 00-0285	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0286	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0287	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0288	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0289	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0290	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	271.78	16.23
26 09 23 00-0291	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	577.31	64.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0292	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	262.97	16.23
26 09 23 00-0293	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	262.97	16.23
26 09 23 00-0294	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	262.97	16.23
26 09 23 00-0295	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	271.78	16.23
26 09 23 00-0296	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	577.31	64.92
26 09 23 00-0297	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	360.36	64.92
26 09 23 00-0298	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	360.36	64.92
26 09 23 00-0299	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	414.60	64.92
26 09 23 00-0300	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	414.60	64.92
26 09 23 00-0301	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0302	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0303	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0304	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0305	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0306	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	271.78	16.23
26 09 23 00-0307	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	577.31	64.92
26 09 23 00-0308	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	161.04	64.92
26 09 23 00-0309	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	755.73	64.92

26 09 23 00-0310 Lighting Control Sensors *(26 09 23)*

26 09 23 00-0311	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	402.82	29.21
26 09 23 00-0312	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	402.82	29.21
26 09 23 00-0313	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	352.83	29.21
26 09 23 00-0314	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	106.31	19.48
26 09 23 00-0315	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	8.58	
26 09 23 00-0316	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	69.22	
26 09 23 00-0317	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	12.22	

26 09 23 00-0318 Radio Controlled Devices (Lutron) *(26 09 23)*

26 09 23 00-0319 Tabletop Transmitters For Radio Controlled Devices *(26 09 23 00-0318)*

26 09 23 00-0320 Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*

26 09 23 00-0321	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	531.24	19.48
26 09 23 00-0322	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	690.85	19.48
26 09 23 00-0323	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	870.41	19.48

26 09 23 00-0324 Dimmable Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*

26 09 23 00-0325	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	531.24	19.48
26 09 23 00-0326	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	631.00	19.48
26 09 23 00-0327	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	870.41	19.48
26 09 23 00-0328	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	531.24	19.48
26 09 23 00-0329	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	690.85	19.48
26 09 23 00-0330	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	870.41	19.48

26 09 23 00-0331 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*

26 09 23 00-0332	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	690.85	19.48
26 09 23 00-0333	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	870.41	19.48
26 09 23 00-0334	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	870.41	19.48

26 09 23 00-0335 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*

26 09 23 00-0336	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	531.24	19.48
26 09 23 00-0337	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	690.85	19.48
26 09 23 00-0338	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	631.00	19.48
26 09 23 00-0339	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	770.66	19.48
26 09 23 00-0340	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	690.85	19.48
26 09 23 00-0341	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	830.51	19.48
26 09 23 00-0342	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	690.85	19.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0343		**Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0344	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	531.24	19.48
26 09 23 00-0345	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	690.85	19.48
26 09 23 00-0346	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	690.85	19.48
26 09 23 00-0347	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	870.41	19.48
26 09 23 00-0348	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	690.85	19.48
26 09 23 00-0349	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	870.41	19.48
26 09 23 00-0350		**Output Switch Closure Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0351	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	531.24	19.48
26 09 23 00-0352	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	690.85	19.48
26 09 23 00-0353	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	870.41	19.48
26 09 23 00-0354		**Accessories For Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0355	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	112.27	19.48
26 09 23 00-0356		**Wall Box Transmitters For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0357	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	491.34	19.48
26 09 23 00-0358	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	531.24	19.48
26 09 23 00-0359	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	531.24	19.48
26 09 23 00-0360	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	531.24	19.48
26 09 23 00-0361	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	531.24	19.48
26 09 23 00-0362	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	531.24	19.48
26 09 23 00-0363		**Interfaces For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	491.34	19.48
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	491.34	19.48
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	491.34	19.48
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	998.10	19.48
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	1,429.04	19.48
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	1,429.04	19.48
26 09 23 00-0370		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	631.00	19.48
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	710.80	19.48
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	830.51	19.48
26 09 23 00-0374		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	930.26	19.48
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	1,279.41	19.48
26 09 23 00-0377		**RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)** *(26 09 23)*		
26 09 23 00-0378		**RF Wireless Technology, Switches (Lutron® Maestro Wireless®)** *(26 09 23 00-0377)*		
26 09 23 00-0379	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS)	143.78	25.97
26 09 23 00-0380	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120)	169.18	25.97
26 09 23 00-0381	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV)	263.85	25.97
26 09 23 00-0382	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS)	101.40	25.97
26 09 23 00-0383	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277)	123.59	25.97
26 09 23 00-0384	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	110.72	25.97
26 09 23 00-0385	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	133.36	25.97
26 09 23 00-0386		**RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®)** *(26 09 23 00-0377)*		
26 09 23 00-0387	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	137.92	25.97
26 09 23 00-0388	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	149.64	25.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0389	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120)	178.95	25.97
26 09 23 00-0390	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	191.92	32.47
26 09 23 00-0391	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120)	236.58	25.97
26 09 23 00-0392	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R)	78.81	25.97
26 09 23 00-0393	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277)	94.93	25.97
26 09 23 00-0394	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	84.69	25.97
26 09 23 00-0395	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	100.79	25.97
26 09 23 00-0396	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV)	266.74	45.45

26 09 23 00-0397 Removal And Reinstallation Of Occupancy Sensors *(26 09 23)*

Note: Includes storage, cleaning and supply materials.

26 09 23 00-0398	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor Note: Includes storing and cleaning.	87.65	
26 09 23 00-0399	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor Note: Includes storing and cleaning.	58.43	

26 09 23 00-0400 Occupancy Sensors (Watt Stopper) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0401 Occupancy Sensors *(26 09 23 00-0400)*

Note: Exclude boxes.

26 09 23 00-0402 Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0401)*

26 09 23 00-0403 Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0402)*

26 09 23 00-0404	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	149.39	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	
26 09 23 00-0405	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	176.72	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	

26 09 23 00-0406 Passive Infrared, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0402)*

26 09 23 00-0407	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	122.96	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	
26 09 23 00-0408	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	114.68	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	
26 09 23 00-0409	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	130.14	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	
26 09 23 00-0410	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	151.04	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	
26 09 23 00-0411	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	149.32	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	

26 09 23 00-0412 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0402)*

26 09 23 00-0413	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	218.34	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	
26 09 23 00-0414	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	235.63	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	

26 09 23 00-0415 Wall Switch Mounted Occupancy Sensor Accessories *(26 09 23 00-0402)*

26 09 23 00-0416	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.14	3.24
26 09 23 00-0417	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.52	3.24
26 09 23 00-0418	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.52	3.24

26 09 23 00-0419 Ceiling Mounted Occupancy Sensors *(26 09 23 00-0401)*

26 09 23 00-0420 Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0419)*

26 09 23 00-0421 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0420)*

26 09 23 00-0422	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	195.24	29.21
26 09 23 00-0423	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	224.97	29.21
26 09 23 00-0424	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	254.92	29.21
26 09 23 00-0425	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	252.21	29.21

26 09 23 00-0426 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0420)*

26 09 23 00-0427	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	212.84	29.21
26 09 23 00-0428	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	242.99	29.21
26 09 23 00-0429	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	271.54	29.21
26 09 23 00-0430	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	276.37	29.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0431	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	230.86	29.21
26 09 23 00-0432	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	261.76	29.21
26 09 23 00-0433	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	292.54	29.21
26 09 23 00-0434	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	301.41	29.21
26 09 23 00-0435		**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0420)*		
26 09 23 00-0436	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	221.55	29.21
26 09 23 00-0437	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	257.57	29.21
26 09 23 00-0438	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	287.72	29.21
26 09 23 00-0439	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	208.28	29.21
26 09 23 00-0440	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	253.67	29.21
26 09 23 00-0441	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	268.38	29.21
26 09 23 00-0442	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	223.42	29.21
26 09 23 00-0443	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	249.56	29.21
26 09 23 00-0444	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	281.84	29.21
26 09 23 00-0445		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0419)*		
26 09 23 00-0446	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	160.54	29.21
26 09 23 00-0447	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	164.05	29.21
26 09 23 00-0448	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	172.37	29.21
26 09 23 00-0449	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	194.68	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0450	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	197.39	29.21
26 09 23 00-0451	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	209.06	29.21
26 09 23 00-0452	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	227.74	29.21
26 09 23 00-0453		**Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0419)*		
26 09 23 00-0454	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	271.29	29.21
26 09 23 00-0455	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	310.82	29.21
26 09 23 00-0456	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	262.90	29.21
26 09 23 00-0457		**Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0401)*		
26 09 23 00-0458		**Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0457)*		
26 09 23 00-0459	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	334.50	29.21
26 09 23 00-0460	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	334.50	29.21
26 09 23 00-0461		**Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0457)*		
26 09 23 00-0462	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	310.82	29.21
26 09 23 00-0463		**Occupancy Sensor Power Packs** *(26 09 23 00-0400)*		
26 09 23 00-0464		**Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0465	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	107.22	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0466	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	97.18	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0467		**Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0468	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	88.91	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0469		**Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0463)*		
26 09 23 00-0470	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	119.18	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0471		**Form C, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0472	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	107.68	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0473	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	107.76	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0474		Two Relay, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0475	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	136.78	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0476	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	138.77	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0477		Occupancy Sensor Power Supplies *(26 09 23 00-0463)*		
26 09 23 00-0478	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)	119.74	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0479	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	283.90	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0480		Intelligent, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0481	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	377.22	25.97
26 09 23 00-0482		DIN Rail Mounted, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0483	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	118.04	25.97
26 09 23 00-0484		Occupancy Sensor Accessories *(26 09 23 00-0400)*		
26 09 23 00-0485		Protective Cages For Occupancy Sensors *(26 09 23 00-0484)*		
26 09 23 00-0486	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	68.78	9.73
26 09 23 00-0487		Mounting Brackets For Occupancy Sensors *(26 09 23 00-0484)*		
26 09 23 00-0488	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	52.16	16.23
26 09 23 00-0489		Occupancy/Lighting Logger *(26 09 23 00-0484)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0490	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	513.82	55.19
26 09 23 00-0491		Digital Time Light Switches *(26 09 23 00-0400)*		
26 09 23 00-0492	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	110.76	12.99
26 09 23 00-0493		Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor *(26 09 23 00-0400)*		
26 09 23 00-0494	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211)	240.95	42.20
26 09 23 00-0495		Occupancy Sensors (Sensor Switch) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0496		Occupancy Sensors (Sensor Switch) *(26 09 23 00-0495)* Note: Exclude boxes		
26 09 23 00-0497		Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*		
26 09 23 00-0498		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0497)*		
26 09 23 00-0499	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	225.48	12.99
26 09 23 00-0500	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	158.98	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 09 23 00-0501	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	151.66	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 09 23 00-0502	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	151.66	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 09 23 00-0503	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	192.23	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 09 23 00-0504	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	192.23	12.99
26 09 23 00-0505	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	233.81	12.99
26 09 23 00-0506	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	192.23	12.99
26 09 23 00-0507		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0497)* Note: Includes passive infrared and microphonics detection		
26 09 23 00-0508	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	291.98	12.99
26 09 23 00-0509	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	225.48	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0510	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	220.51	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 09 23 00-0511	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	220.51	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 09 23 00-0512	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	258.73	12.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 09 23 00-0513	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	258.73	12.99
26 09 23 00-0514	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	278.68	12.99

26 09 23 00-0515 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0497)*

26 09 23 00-0516	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	19.79	3.24
26 09 23 00-0517	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	19.79	3.24
26 09 23 00-0518	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	39.74	3.24
26 09 23 00-0519	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	39.74	3.24

26 09 23 00-0520 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*

26 09 23 00-0521 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0520)*

Note: One photocell or dimming option per occupancy sensor

26 09 23 00-0522	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	257.94	29.21
26 09 23 00-0523	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	257.94	29.21
26 09 23 00-0524	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	257.94	29.21
26 09 23 00-0525	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	274.57	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0526	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	274.57	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0527	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	221.36	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0528	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	341.07	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0529	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	341.07	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0530	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	287.87	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0531	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	257.94	29.21
26 09 23 00-0532	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	257.94	29.21
26 09 23 00-0533	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	257.94	29.21
26 09 23 00-0534	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	274.57	29.21
26 09 23 00-0535	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	274.57	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0536	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	221.36	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0537	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	341.07	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0538	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	341.07	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0539	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	287.87	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	

26 09 23 00-0540 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0520)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0541	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	324.44	29.21
26 09 23 00-0542	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	324.44	29.21
26 09 23 00-0543	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	324.44	29.21
26 09 23 00-0544	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	307.82	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0545	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	307.82	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0546	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	254.61	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0547	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	374.32	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0548	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	374.32	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0549	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	321.12	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0550	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	324.44	29.21
26 09 23 00-0551	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	324.44	29.21
26 09 23 00-0552	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	324.44	29.21
26 09 23 00-0553	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	307.82	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0554	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	307.82	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0555	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	254.61	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0556	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	374.32	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0557	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	374.32	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0558	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	321.12	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	

26 09 23 00-0559 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*

26 09 23 00-0560 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0559)*

26 09 23 00-0561	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	257.94	29.21
26 09 23 00-0562	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	291.19	29.21
26 09 23 00-0563	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	357.69	29.21
26 09 23 00-0564	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	341.07	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0565	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	407.57	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	

26 09 23 00-0566 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0559)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0567	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	324.44	29.21
26 09 23 00-0568	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	374.32	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0569	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	440.82	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	

26 09 23 00-0570 High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*

26 09 23 00-0571 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0570)*

26 09 23 00-0572	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	257.94	29.21
26 09 23 00-0573	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	257.94	29.21
26 09 23 00-0574	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	257.94	29.21
26 09 23 00-0575	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	221.36	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0576	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	221.36	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0577	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	221.36	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0578	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	287.87	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0579	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	287.87	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0580	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	287.87	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0581	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	244.64	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0582	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	244.64	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0583	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	244.64	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0584	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	244.64	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0585	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	244.64	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0586	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	244.64	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0587	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	291.19	29.21
26 09 23 00-0588	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	291.19	29.21
26 09 23 00-0589	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	291.19	29.21
26 09 23 00-0590	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	354.37	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0591	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	354.37	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0592	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	354.37	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0593	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	311.14	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0594	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	311.14	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0595	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	261.26	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0596	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	261.26	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0597	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	261.26	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0598	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	261.26	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0599	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	291.19	29.21
26 09 23 00-0600	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	291.19	29.21
26 09 23 00-0601	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	354.37	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0602	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	354.37	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0603	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	341.07	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0604	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	307.82	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0605	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	307.82	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	

26 09 23 00-0606 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0495)*

26 09 23 00-0607	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	145.05	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0608	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	211.56	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0609	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	111.80	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0610	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	101.83	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0611	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	135.08	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0612	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	218.21	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0613	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	218.21	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	
26 09 23 00-0614	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	218.21	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.59*	

26 09 23 00-0615 Daylighting Control (Sensor Switch) *(26 09 23 00-0495)*

26 09 23 00-0616	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	224.69	29.21
26 09 23 00-0617	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	224.69	29.21
26 09 23 00-0618	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	224.69	29.21
26 09 23 00-0619	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	224.69	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0620	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	224.69	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0621	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	224.69	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0622	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	224.69	29.21
26 09 23 00-0623	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	224.69	29.21
26 09 23 00-0624	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	224.69	29.21
26 09 23 00-0625	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	224.69	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0626	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	224.69	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0627	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	224.69	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0628	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	324.44	29.21
26 09 23 00-0629	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	324.44	29.21
26 09 23 00-0630	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	324.44	29.21
26 09 23 00-0631	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	324.44	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0632	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	324.44	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 09 23 00-0633	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	324.44	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	

26 09 23 00-0634 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0635 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0634)*

Note: Excludes boxes.

26 09 23 00-0636 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*

26 09 23 00-0637 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0636)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0638	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	350.61	12.99

26 09 23 00-0639 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*

26 09 23 00-0640 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0639)*

Note: One photocell or dimming option per occupancy sensor

26 09 23 00-0641	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	415.17	29.21
26 09 23 00-0642	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	415.17	29.21
26 09 23 00-0643	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	415.17	29.21

26 09 23 00-0644 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0639)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0645	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	486.51	29.21
26 09 23 00-0646	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	486.51	29.21
26 09 23 00-0647	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	504.32	29.21

26 09 23 00-0648 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0649		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0648)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0650	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	486.51	29.21
26 09 23 00-0651		High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*		
26 09 23 00-0652		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0651)*		
26 09 23 00-0653	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	415.17	29.21
26 09 23 00-0654		Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0634)*		
26 09 23 00-0655	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	141.13	25.97
26 09 23 00-0656	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	176.84	25.97
26 09 23 00-0657	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	237.45	25.97
26 09 23 00-0658	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	237.45	25.97
26 09 23 00-0659		Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0634)*		
26 09 23 00-0660	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	504.32	29.21
26 09 23 00-0661	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	406.03	29.21
26 09 23 00-0662		Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0634)*		
26 09 23 00-0663	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	343.82	29.21
26 09 23 00-0664		Controls (Sensor Switch nLight®) *(26 09 23 00-0634)*		
26 09 23 00-0665	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	226.10	29.21
26 09 23 00-0666	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	326.01	29.21
26 09 23 00-0667	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	754.07	29.21
26 09 23 00-0668	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	754.07	29.21
26 09 23 00-0669	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	2,823.15	29.21
26 09 23 00-0670		Occupancy Sensors (Lutron) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0671		Wireless Occupancy Sensors *(26 09 23 00-0670)*		
26 09 23 00-0672	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	168.19	29.21
26 09 23 00-0673	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	175.57	29.21
26 09 23 00-0674	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	169.94	29.21
26 09 23 00-0675	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	179.70	29.21
26 09 23 00-0676	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	172.13	29.21
26 09 23 00-0677	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	179.70	29.21
26 09 23 00-0678	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	168.19	29.21
26 09 23 00-0679	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	172.13	29.21
26 09 23 00-0680	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	169.94	29.21
26 09 23 00-0681	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	261.79	29.21
26 09 23 00-0682	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	279.29	29.21
26 09 23 00-0683	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	318.65	29.21
26 09 23 00-0684	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	336.15	29.21
26 09 23 00-0685	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	344.90	29.21
26 09 23 00-0686	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	362.39	29.21
26 09 23 00-0687	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	206.68	29.21
26 09 23 00-0688	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	218.05	29.21
26 09 23 00-0689	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	255.23	29.21
26 09 23 00-0690	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	283.66	29.21
26 09 23 00-0691	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	305.53	29.21
26 09 23 00-0692	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	263.98	29.21
26 09 23 00-0693	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	242.74	29.21
26 09 23 00-0694	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	203.22	29.21
26 09 23 00-0695	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	249.82	29.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0696	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	303.05	29.21
26 09 23 00-0697	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	321.58	29.21
26 09 23 00-0698	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	321.58	29.21
26 09 23 00-0699	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	321.58	29.21
26 09 23 00-0700	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	338.55	29.21
26 09 23 00-0701	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	548.96	42.20

26 09 23 00-0702 Nodes And Modules *(26 09 23 00-0670)*

26 09 23 00-0703	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	272.73	29.21
26 09 23 00-0704	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	272.73	29.21
26 09 23 00-0705	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	344.90	29.21
26 09 23 00-0706	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	344.90	29.21
26 09 23 00-0707	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	441.05	32.47
26 09 23 00-0708	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	441.05	32.47
26 09 23 00-0709	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	535.09	32.47
26 09 23 00-0710	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	548.21	32.47
26 09 23 00-0711	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	677.24	32.47
26 09 23 00-0712	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	718.79	32.47
26 09 23 00-0713	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	760.35	32.47
26 09 23 00-0714	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	2,055.72	51.95
26 09 23 00-0715	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	2,019.51	58.43
26 09 23 00-0716	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,961.95	64.92

26 09 23 00-0717 Other Accessories *(26 09 23 00-0670)*

26 09 23 00-0718	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	43.58	
26 09 23 00-0719	EA	Pico® Wireless Control (Lutron® PJ)	56.00	
26 09 23 00-0720	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	166.05	
26 09 23 00-0721	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	316.95	
26 09 23 00-0722	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	332.28	29.21
26 09 23 00-0723	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	420.92	29.21
26 09 23 00-0724	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	420.92	29.21
26 09 23 00-0725	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	690.36	32.47
26 09 23 00-0726	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	946.24	32.47
26 09 23 00-0727	EA	Control Interface (Lutron® QSE-CI-NWK-E)	1,138.76	29.21
26 09 23 00-0728	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,130.03	29.21
26 09 23 00-0729	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,512.75	29.21
26 09 23 00-0730	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,471.25	907.60
26 09 23 00-0731	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	3,346.03	907.60

26 09 23 00-0732 Fixture Mounted Occupancy Sensors (Leviton) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0733	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	161.19	29.21
26 09 23 00-0734	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	141.07	29.21
26 09 23 00-0735	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	177.82	29.21
26 09 23 00-0736	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	141.07	29.21
26 09 23 00-0737	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	234.43	12.97

26 09 23 00-0738 Wireless Enabled Communication Devices For Streetlights *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0739 Wireless Enabled Communication Nodes For Streetlights (Roam®) *(26 09 23 00-0738)*

26 09 23 00-0740	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	357.15	
26 09 23 00-0741	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	499.84	

26 09 23 00-0742 Wireless Enabled Communication Devices For Streetlights (Roam®) *(26 09 23 00-0738)*

26 09 23 00-0743	EA	Retrofit Receptacle Kit (Roam® DUR103) Note: For adapting light fixtures for use with a NEMA locking type photocontrol.	61.07	
26 09 23 00-0744	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	14,413.79	72.15

26 09 23 00-0745 Counter Mounted Consolets *(26 09 23)*

26 09 23 00-0746	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	705.39	162.07

26 09 23 00-0747 Lighting Console And Stations *(26 09 23)*

26 09 23 00-0748	EA	80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	5,089.32	162.07
		For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	*110.19*	
		For Lighting Console Case (ETC ColorSourcePart 11866), Add	*1,174.91*	
26 09 23 00-0749	EA	10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,515.07	97.24

26 09 23 00-0750 Theatre Lighting Console *(26 09 23)*

26 09 23 00-0751	EA	Theatre Lighting Console (ETC Colorsource 20)	3,655.40	194.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0752		Emergency Lighting Controls *(26 09 23)*		
26 09 23 00-0753		Emergency Lighting Control Units (Watt Stopper ELCU) *(26 09 23 00-0752)*		
		Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0754	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	255.37	32.47
26 09 23 00-0755	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	255.37	32.47
26 09 23 00-0756		Emergency Shunt Relays (Lighting Control & Design GR 2001™) *(26 09 23 00-0752)*		
		Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0757	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	413.17	45.45
26 09 23 00-0758	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	564.11	51.95
26 09 23 00-0759	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	761.38	58.43
		Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0760		Photocells *(26 09 23)*		
26 09 23 00-0761	EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	100.98	
26 09 23 00-0762	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C)	230.33	
26 09 23 00-0763		Outdoor Lighting Motion Sensors *(26 09 23)*		
26 09 23 00-0764	EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	134.15	32.47
26 09 23 00-0765	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	146.70	32.47
26 09 23 00-0766	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	612.75	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 09 23 00-0767		Street Light Controls *(26 09 23)*		
26 09 23 00-0768		Photo Controls *(26 09 23 00-0767)*		
26 09 23 00-0769	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	106.15	
26 09 23 00-0770	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	121.64	
26 09 23 00-0771		Connector Node *(26 09 23 00-0767)*		
26 09 23 00-0772	EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260)	554.42	3.44

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001		"Switchyard" Substation Primary Incoming Section *(26 11 13)*		
26 11 13 00-0002		Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)*		
		Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	69,550.58	2,251.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,373.99*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	85,313.97	2,847.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,717.48*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	96,683.82	2,847.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,717.48*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	111,197.34	2,847.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,831.98*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	126,148.92	3,509.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,113.83*	
26 11 13 00-0008		Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*		
26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	1,890.11	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.29*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	590.91	171.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.56*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	889.22	171.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.58*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	703.07	171.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.56*	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	2,630.01	580.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.49*	
26 11 13 00-0014		"Switchyard", Substation Transformer Section *(26 11 13)*		
		Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0015		**14.4 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	39,970.06	2,251.35
		For 50 Hz Operation, Add	*4,246.81*	
		For Forced Air-Cooling, Add	*4,246.81*	
		For External Control Panel, Add	*1,061.70*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*353.90*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,769.51*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,423.76*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,308.52*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	45,678.89	2,820.81
		For 50 Hz Operation, Add	*4,794.47*	
		For Forced Air-Cooling, Add	*4,794.47*	
		For External Control Panel, Add	*1,198.62*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*399.54*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,997.70*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,994.24*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,993.09*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	70,312.43	3,972.98
		For 50 Hz Operation, Add	*7,460.43*	
		For Forced Air-Cooling, Add	*7,460.43*	
		For External Control Panel, Add	*1,865.11*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*621.70*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,108.51*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,771.29*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,325.54*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	101,969.68	4,772.92
		For 50 Hz Operation, Add	*11,001.02*	
		For Forced Air-Cooling, Add	*11,001.02*	
		For External Control Panel, Add	*2,750.25*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*916.75*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,583.76*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,459.39*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,751.27*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	125,618.14	6,176.73
		For 50 Hz Operation, Add	*13,530.00*	
		For Forced Air-Cooling, Add	*13,530.00*	
		For External Control Panel, Add	*3,382.50*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,127.50*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,637.50*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*14,093.75*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*16,912.50*	
26 11 13 00-0021		**23 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	44,654.95	3,045.95
		For 50 Hz Operation, Add	*4,671.60*	
		For External Control Panel, Add	*1,167.90*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*389.30*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,946.50*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,866.25*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,839.50*	
		For Forced Air-Cooling, Add	*3,114.40*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	50,965.50	3,045.95
		For 50 Hz Operation, Add	*5,286.28*	
		For External Control Panel, Add	*1,321.57*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*440.52*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,202.62*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,506.55*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,607.85*	
		For Forced Air-Cooling, Add	*3,524.19*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	81,867.60	4,502.70
		For 50 Hz Operation, Add	*8,724.92*	
		For External Control Panel, Add	*2,181.23*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*727.08*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,635.38*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,088.46*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,906.15*	
		For Forced Air-Cooling, Add	*5,816.62*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	109,812.06	6,176.73
		For 50 Hz Operation, Add	*11,633.27*	
		For External Control Panel, Add	*2,908.32*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*969.44*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,847.19*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,117.99*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*14,541.58*	
		For Forced Air-Cooling, Add	*7,755.51*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	136,155.56	6,176.73
		For 50 Hz Operation, Add	*14,794.49*	
		For External Control Panel, Add	*3,698.62*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,232.87*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,164.37*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,410.92*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,493.11*	
		For Forced Air-Cooling, Add	*9,862.99*	
26 11 13 00-0027		**34.5 KV Nominal Primary** *(26 11 13 00-0014)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	56,087.85	3,641.90
		For 50 Hz Operation, Add	*5,900.97*	
		For External Control Panel, Add	*1,475.24*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*491.75*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,458.74*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,146.84*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,376.21*	
		For Forced Air-Cooling, Add	*3,933.98*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	67,746.59	5,694.59
		For 50 Hz Operation, Add	*7,130.33*	
		For External Control Panel, Add	*1,782.58*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*594.19*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,970.97*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,427.43*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,912.91*	
		For Forced Air-Cooling, Add	*4,753.55*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	93,641.79	5,694.59
		For 50 Hz Operation, Add	*9,863.03*	
		For External Control Panel, Add	*2,465.76*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*821.92*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,109.60*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,273.99*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,328.79*	
		For Forced Air-Cooling, Add	*6,575.35*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	120,349.39	6,036.35
		For 50 Hz Operation, Add	*12,897.75*	
		For External Control Panel, Add	*3,224.44*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,074.81*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,374.06*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,435.15*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*16,122.18*	
		For Forced Air-Cooling, Add	*8,598.50*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	208,251.72	7,720.91
		For 50 Hz Operation, Add	*23,013.66*	
		For External Control Panel, Add	*5,753.41*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,917.80*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,589.02*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*23,972.56*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*28,767.07*	
		For Forced Air-Cooling, Add	*15,342.44*	

26 11 13 00-0033 46 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	86,118.57	4,237.84
		For 50 Hz Operation, Add	*9,334.97*	
		For External Control Panel, Add	*2,333.74*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*777.91*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,889.57*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,723.92*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,668.71*	
		For Forced Air-Cooling, Add	*6,223.31*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	97,353.20	4,237.84
		For 50 Hz Operation, Add	*10,583.19*	
		For External Control Panel, Add	*2,645.80*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*881.93*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,409.66*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,024.16*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,228.99*	
		For Forced Air-Cooling, Add	*7,055.46*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	134,916.78	5,694.59
		For 50 Hz Operation, Add	*14,816.03*	
		For External Control Panel, Add	*3,704.01*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,234.67*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,173.34*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,433.36*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,520.03*	
		For Forced Air-Cooling, Add	*9,877.35*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	164,831.20	7,720.91
		For 50 Hz Operation, Add	*17,803.19*	
		For External Control Panel, Add	*4,450.80*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,483.60*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,418.00*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,544.99*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*22,253.99*	
		For Forced Air-Cooling, Add	*11,868.80*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	234,660.49	7,720.91
		For 50 Hz Operation, Add	*26,182.71*	
		For External Control Panel, Add	*6,545.68*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,181.89*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,909.46*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*27,273.65*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*32,728.38*	
		For Forced Air-Cooling, Add	*17,455.14*	

26 11 13 00-0039 69 KV Nominal Primary *(26 11 13 00-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	124,100.95	4,502.70
		For 50 Hz Operation, Add	*13,792.92*	
		For External Control Panel, Add	*3,448.23*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,149.41*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,747.05*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*14,367.63*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*17,241.16*	
		For Forced Air-Cooling, Add	*9,195.28*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	142,490.24	5,694.59
		For 50 Hz Operation, Add	*15,724.84*	
		For External Control Panel, Add	*3,931.21*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,310.40*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,552.02*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*16,380.04*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*19,656.05*	
		For Forced Air-Cooling, Add	*10,483.23*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	196,026.95	5,694.59
		For 50 Hz Operation, Add	*22,149.25*	
		For External Control Panel, Add	*5,537.31*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,845.77*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,228.85*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*23,072.13*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*27,686.56*	
		For Forced Air-Cooling, Add	*14,766.16*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	207,485.51	7,720.91
		For 50 Hz Operation, Add	*22,921.71*	
		For External Control Panel, Add	*5,730.43*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,910.14*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,550.71*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*23,876.78*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*28,652.14*	
		For Forced Air-Cooling, Add	*15,281.14*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	271,968.03	7,720.91
		For 50 Hz Operation, Add	*30,659.61*	
		For External Control Panel, Add	*7,664.90*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,554.97*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*12,774.84*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*31,937.10*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*38,324.52*	
		For Forced Air-Cooling, Add	*20,439.74*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	74,509.30	1,097.69
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	81,820.57	1,097.69
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	93,140.50	1,363.52
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	87,048.95	1,639.56
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	98,094.17	1,639.56
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	111,906.49	1,904.81
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	115,337.03	2,176.24
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	129,088.96	2,176.24
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	135,282.25	2,443.94

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*

26 11 16 11-0002 Manual Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	41,276.12	1,611.93
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	47,639.80	1,611.93

26 11 16 11-0005 Automatic Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.

26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	58,392.51	1,611.93
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	62,534.03	1,611.93

26 11 16 11-0008 Accessories For Substation Fused Load Break Switches *(26 11 16 11-0001)*

26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	21,923.22	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,133.94	

26 11 16 11-0011 Oil Filled Substation Transformers *(26 11 16 11)*

Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.

26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ *(26 11 16 11-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	38,232.75	993.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,537.24*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,087.39*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*362.46*	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	56,522.39	1,191.89
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,789.70*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,624.16*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*541.39*	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	64,008.41	1,324.33
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,295.18*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,840.79*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*613.60*	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	75,616.41	1,655.41
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,061.39*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,169.17*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*723.06*	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	84,014.69	2,052.71
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,593.65*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,397.28*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*799.09*	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	89,386.48	2,516.21
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,904.78*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,530.62*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*843.54*	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	104,476.89	3,045.95
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,886.95*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,951.55*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*983.85*	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	111,227.84	3,310.81
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,322.43*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,138.19*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,046.06*	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	124,372.67	3,641.90
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,196.22*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,512.67*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,170.89*	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	144,085.91	4,039.19
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,520.53*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,080.23*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,360.08*	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	158,263.38	4,403.38
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,461.96*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,483.70*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,494.57*	

26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ *(26 11 16 11-0011)*

26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	36,424.48	993.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,410.66*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,033.14*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*344.38*	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	55,538.74	993.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,748.66*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,606.57*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*535.52*	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	63,968.39	1,324.33
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,292.38*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,839.59*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*613.20*	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	75,685.25	1,655.41
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,066.21*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,171.23*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*723.74*	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	91,041.23	2,052.71
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,085.51*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,608.07*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*869.36*	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	98,135.78	2,516.21
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,517.23*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,793.10*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*931.03*	
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	108,516.99	3,045.95
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,169.76*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,072.75*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,024.25*	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	118,187.27	3,310.81
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,809.59*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,346.97*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,115.66*	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	133,372.28	3,641.90
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,826.20*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,782.66*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,260.89*	

26 11 16 11-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 11-0011)*

26 11 16 11-0035	EA	Sudden Pressure Relay	10,986.10
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	21,811.14
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	14,361.79
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	79,700.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	74,567.99	
26 11 16 11-0040		**Reinforced Concrete Curb With 6" Slab** *(26 11 16 11-0011)*		
		Note: For transformer liquid containment area.		
26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,370.31	1,651.88
26 11 16 11-0049		**Dry Type Substation Transformer** *(26 11 16 11)*		
		Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 11-0050		**Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt** *(26 11 16 11-0049)*		
		Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,546.35	1,059.46
		For Gas Filled Transformers, Add	*39,256.46*	
		For Single Phase Transformers, Deduct	*-1,635.69*	
		For Dry Type Unit, Add	*14,605.93*	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,678.79	1,125.68
		For Gas Filled Transformers, Add	*39,256.46*	
		For Single Phase Transformers, Deduct	*-1,635.69*	
		For Dry Type Unit, Add	*14,619.17*	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	68,928.32	1,324.33
		For Gas Filled Transformers, Add	*39,767.80*	
		For Single Phase Transformers, Deduct	*-1,656.99*	
		For Dry Type Unit, Add	*14,846.39*	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	76,084.87	1,456.75
		For Gas Filled Transformers, Add	*43,902.82*	
		For Single Phase Transformers, Deduct	*-1,829.28*	
		For Dry Type Unit, Add	*16,389.05*	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	84,318.27	1,721.63
		For Gas Filled Transformers, Add	*48,525.02*	
		For Single Phase Transformers, Deduct	*-2,021.88*	
		For Dry Type Unit, Add	*18,136.83*	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	97,698.63	1,986.49
		For Gas Filled Transformers, Add	*56,235.39*	
		For Single Phase Transformers, Deduct	*-2,343.14*	
		For Dry Type Unit, Add	*21,016.94*	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	113,336.86	2,383.79
		For Gas Filled Transformers, Add	*65,141.57*	
		For Single Phase Transformers, Deduct	*-2,714.23*	
		For Dry Type Unit, Add	*24,362.00*	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	134,172.58	2,648.65
		For Gas Filled Transformers, Add	*77,325.17*	
		For Single Phase Transformers, Deduct	*-3,221.88*	
		For Dry Type Unit, Add	*28,882.29*	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	174,666.94	2,781.08
		For Gas Filled Transformers, Add	*101,462.86*	
		For Single Phase Transformers, Deduct	*-4,227.62*	
		For Dry Type Unit, Add	*37,759.27*	
26 11 16 11-0060		**Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt** *(26 11 16 11-0049)*		
		Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	65,224.51	1,059.46
		For Gas Filled Transformers, Add	*37,863.36*	
		For Single Phase Transformers, Deduct	*-1,577.64*	
		For Dry Type Unit, Add	*14,095.12*	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,678.79	1,125.68
		For Gas Filled Transformers, Add	*39,256.46*	
		For Single Phase Transformers, Deduct	*-1,635.69*	
		For Dry Type Unit, Add	*14,619.17*	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	68,928.32	1,324.33
		For Gas Filled Transformers, Add	*39,767.80*	
		For Single Phase Transformers, Deduct	*-1,656.99*	
		For Dry Type Unit, Add	*14,846.39*	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	76,084.87	1,456.75
		For Gas Filled Transformers, Add	*43,902.82*	
		For Single Phase Transformers, Deduct	*-1,829.28*	
		For Dry Type Unit, Add	*16,389.05*	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	84,318.27	1,721.63
		For Gas Filled Transformers, Add	*48,525.02*	
		For Single Phase Transformers, Deduct	*-2,021.88*	
		For Dry Type Unit, Add	*18,136.83*	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	97,698.63	1,986.49
		For Gas Filled Transformers, Add	*56,235.39*	
		For Single Phase Transformers, Deduct	*-2,343.14*	
		For Dry Type Unit, Add	*21,016.94*	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	113,336.86	2,383.79
		For Gas Filled Transformers, Add	*65,141.57*	
		For Single Phase Transformers, Deduct	*-2,714.23*	
		For Dry Type Unit, Add	*24,362.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	134,172.58	2,648.65
		For Gas Filled Transformers, Add	*77,325.17*	
		For Single Phase Transformers, Deduct	*-3,221.88*	
		For Dry Type Unit, Add	*28,882.29*	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	174,666.94	2,781.08
		For Gas Filled Transformers, Add	*101,462.86*	
		For Single Phase Transformers, Deduct	*-4,227.62*	
		For Dry Type Unit, Add	*37,759.27*	
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	191,882.54	2,913.51
		For Gas Filled Transformers, Add	*111,633.31*	
		For Single Phase Transformers, Deduct	*-4,651.39*	
		For Dry Type Unit, Add	*41,514.92*	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	214,406.15	3,045.95
		For Gas Filled Transformers, Add	*124,988.56*	
		For Single Phase Transformers, Deduct	*-5,207.86*	
		For Dry Type Unit, Add	*46,438.33*	
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	247,525.65	3,178.38
		For Gas Filled Transformers, Add	*144,701.34*	
		For Single Phase Transformers, Deduct	*-6,029.22*	
		For Dry Type Unit, Add	*53,692.83*	

26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	72,615.95	1,191.89
		For Gas Filled Transformers, Add	*42,139.30*	
		For Single Phase Transformers, Deduct	*-1,755.80*	
		For Dry Type Unit, Add	*15,689.45*	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	75,056.79	1,258.11
		For Gas Filled Transformers, Add	*43,524.35*	
		For Single Phase Transformers, Deduct	*-1,813.51*	
		For Dry Type Unit, Add	*16,210.55*	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	80,184.99	1,456.75
		For Gas Filled Transformers, Add	*46,362.89*	
		For Single Phase Transformers, Deduct	*-1,931.79*	
		For Dry Type Unit, Add	*17,291.08*	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	84,610.38	1,589.19
		For Gas Filled Transformers, Add	*48,859.20*	
		For Single Phase Transformers, Deduct	*-2,035.80*	
		For Dry Type Unit, Add	*18,232.88*	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	96,440.60	1,854.05
		For Gas Filled Transformers, Add	*55,639.49*	
		For Single Phase Transformers, Deduct	*-2,318.31*	
		For Dry Type Unit, Add	*20,771.96*	
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	106,814.64	2,118.91
		For Gas Filled Transformers, Add	*61,546.08*	
		For Single Phase Transformers, Deduct	*-2,564.42*	
		For Dry Type Unit, Add	*22,990.68*	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	124,687.47	2,516.21
		For Gas Filled Transformers, Add	*71,793.02*	
		For Single Phase Transformers, Deduct	*-2,991.38*	
		For Dry Type Unit, Add	*26,827.35*	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	151,354.64	2,781.08
		For Gas Filled Transformers, Add	*87,475.48*	
		For Single Phase Transformers, Deduct	*-3,644.81*	
		For Dry Type Unit, Add	*32,630.56*	
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	183,373.61	2,913.51
		For Gas Filled Transformers, Add	*106,527.95*	
		For Single Phase Transformers, Deduct	*-4,438.66*	
		For Dry Type Unit, Add	*39,642.95*	

26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*

26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	72,615.95	1,191.89
		For Gas Filled Transformers, Add	*42,139.30*	
		For Single Phase Transformers, Deduct	*-1,755.80*	
		For Dry Type Unit, Add	*15,689.45*	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	75,056.79	1,258.11
		For Gas Filled Transformers, Add	*43,524.35*	
		For Single Phase Transformers, Deduct	*-1,813.51*	
		For Dry Type Unit, Add	*16,210.55*	
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	80,184.99	1,456.75
		For Gas Filled Transformers, Add	*46,362.89*	
		For Single Phase Transformers, Deduct	*-1,931.79*	
		For Dry Type Unit, Add	*17,291.08*	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	84,610.38	1,589.19
		For Gas Filled Transformers, Add	*48,859.20*	
		For Single Phase Transformers, Deduct	*-2,035.80*	
		For Dry Type Unit, Add	*18,232.88*	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	96,440.60	1,854.05
		For Gas Filled Transformers, Add	*55,639.49*	
		For Single Phase Transformers, Deduct	*-2,318.31*	
		For Dry Type Unit, Add	*20,771.96*	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	93,393.63	2,118.91
		For Gas Filled Transformers, Add	*53,493.47*	
		For Single Phase Transformers, Deduct	*-2,228.89*	
		For Dry Type Unit, Add	*20,038.06*	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	97,115.49	2,516.21
		For Gas Filled Transformers, Add	*55,249.84*	
		For Single Phase Transformers, Deduct	*-2,302.08*	
		For Dry Type Unit, Add	*20,761.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	119,765.05	2,781.08
		For Gas Filled Transformers, Add	*68,521.73*	
		For Single Phase Transformers, Deduct	*-2,855.07*	
		For Dry Type Unit, Add	*25,680.85*	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	142,429.33	2,913.51
		For Gas Filled Transformers, Add	*81,961.38*	
		For Single Phase Transformers, Deduct	*-3,415.06*	
		For Dry Type Unit, Add	*30,635.21*	
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	159,439.39	3,045.95
		For Gas Filled Transformers, Add	*92,008.50*	
		For Single Phase Transformers, Deduct	*-3,833.69*	
		For Dry Type Unit, Add	*34,345.64*	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	187,602.56	3,178.38
		For Gas Filled Transformers, Add	*108,747.49*	
		For Single Phase Transformers, Deduct	*-4,531.15*	
		For Dry Type Unit, Add	*40,509.75*	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	230,677.99	3,310.81
		For Gas Filled Transformers, Add	*134,433.82*	
		For Single Phase Transformers, Deduct	*-5,601.41*	
		For Dry Type Unit, Add	*49,954.56*	

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001 Single Phase Oil Filled Distribution Transformers *(26 12 13)*

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0002 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA *(26 12 13 00-0001)*

26 12 13 00-0003	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	7,955.88	544.09
26 12 13 00-0004	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,516.59	680.12
26 12 13 00-0005	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	11,035.44	816.14
26 12 13 00-0006	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	14,323.80	1,020.18
26 12 13 00-0007	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,987.28	1,224.21
26 12 13 00-0008	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	23,872.46	1,428.24
26 12 13 00-0009	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	28,267.14	1,700.29

26 12 13 00-0010 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA *(26 12 13 00-0001)*

26 12 13 00-0011	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,955.88	544.09
26 12 13 00-0012	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,705.18	680.12
26 12 13 00-0013	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,035.44	816.14
26 12 13 00-0014	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	14,323.80	1,020.18
26 12 13 00-0015	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,987.28	1,224.21
26 12 13 00-0016	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,934.01	1,428.24
26 12 13 00-0017	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	27,282.77	1,700.29

26 12 13 00-0018 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0001)*

26 12 13 00-0019	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,735.86	544.09
26 12 13 00-0020	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,919.41	680.12
26 12 13 00-0021	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,444.82	816.14
26 12 13 00-0022	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	14,187.50	1,020.18
26 12 13 00-0023	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,411.81	1,224.21
26 12 13 00-0024	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	22,297.47	1,428.24
26 12 13 00-0025	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	27,373.64	1,700.29

26 12 13 00-0026 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0001)*

26 12 13 00-0027	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	8,757.37	544.09
26 12 13 00-0028	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,972.35	680.12
26 12 13 00-0029	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,203.32	816.14
26 12 13 00-0030	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,643.13	1,020.18
26 12 13 00-0031	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	19,164.60	1,224.21
26 12 13 00-0032	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	26,368.65	1,428.24
26 12 13 00-0033	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	33,945.88	1,700.29

26 12 13 00-0034 Transformer Platforms *(26 12 13 00-0001)*

26 12 13 00-0035	EA	Transformer Platforms, 75 - 167 KVA	5,329.42	918.84

26 12 13 00-0036 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN *(26 12 13 00-0001)*

26 12 13 00-0037	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,688.88	544.09
26 12 13 00-0038	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,818.13	680.12
26 12 13 00-0039	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,204.63	816.14
26 12 13 00-0040	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,641.52	1,020.18
26 12 13 00-0041	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	19,300.06	1,292.22
26 12 13 00-0042	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	26,372.65	1,428.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0043	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	33,945.88	1,700.29
26 12 13 00-0044	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	45,470.31	2,176.37
26 12 13 00-0045	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	58,110.32	2,924.50
26 12 13 00-0046	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	68,091.78	3,400.58
26 12 13 00-0047	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	86,923.05	3,672.63
26 12 13 00-0048		Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL *(26 12 13 00-0001)*		
26 12 13 00-0049	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	7,955.88	666.24
26 12 13 00-0050	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,516.59	832.74
26 12 13 00-0051	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	11,034.89	998.28
26 12 13 00-0052	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	14,325.11	1,251.01
26 12 13 00-0053	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,986.02	1,498.57
26 12 13 00-0054	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	23,870.76	1,745.31
26 12 13 00-0055	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	28,267.14	2,081.97
26 12 13 00-0056		Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN *(26 12 13 00-0001)*		
26 12 13 00-0057	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,955.88	666.24
26 12 13 00-0058	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,705.18	832.74
26 12 13 00-0059	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,034.89	998.28
26 12 13 00-0060	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	14,325.11	1,251.01
26 12 13 00-0061	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,986.02	1,498.57
26 12 13 00-0062	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,932.31	1,745.31
26 12 13 00-0063	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	27,282.77	2,081.97
26 12 13 00-0064		Primary 7.2 To 14.4 KV Ground Y *(26 12 13 00-0001)*		
26 12 13 00-0065		Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0064)*		
26 12 13 00-0066	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	6,302.89	544.09
26 12 13 00-0067	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,489.29	680.12
26 12 13 00-0068	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,630.98	816.14
26 12 13 00-0069	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,329.73	1,020.18
26 12 13 00-0070	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	14,234.38	1,224.21
26 12 13 00-0071	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	22,852.39	1,428.24
26 12 13 00-0072	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,259.55	1,700.29
26 12 13 00-0073		Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN *(26 12 13 00-0064)*		
26 12 13 00-0074	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,802.85	544.09
26 12 13 00-0075	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,860.67	680.12
26 12 13 00-0076	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	8,345.24	816.14
26 12 13 00-0077	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,758.25	1,020.18
26 12 13 00-0078	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,448.60	1,224.21
26 12 13 00-0079	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	19,995.02	1,428.24
26 12 13 00-0080	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	23,402.18	1,700.29
26 12 13 00-0081		Removal And Relocation Of Transformers *(26 12 13)*		
26 12 13 00-0082	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,357.75	
26 12 13 00-0083	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,498.65	
26 12 16		**Dry-Type, Medium-Voltage Transformers** *(26 12)*		
26 12 16 00-0001		Removal and Relocation of Transformers *(26 12 16)*		
26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	549.59	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,442.64	
26 12 19		**Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers** *(26 12)*		
26 12 19 00-0001		Single Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)* Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002		Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)* Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003		Primary, 4.16/4.8 KV Ground Y Or Delta *(26 12 19 00-0002)* Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	19,110.64	662.16
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	20,723.10	794.60
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,722.16	927.03
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,733.65	993.24
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,955.17	1,059.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	45,739.80	1,390.54
26 12 19 00-0010		**Factory Modifications Material Cost Only** *(26 12 19 00-0002)*		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	4,258.84	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,474.87	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	4,922.35	
26 12 19 00-0014		**Distribution - Single Phase Multiple Building Transformer** *(26 12 19 00-0001)* Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		**Primary, 4.16/4.8 KVA Ground Y Or Delta** *(26 12 19 00-0014)* Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,261.17	662.16
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,218.27	662.16
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	29,164.87	907.16
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	36,602.53	907.16
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	41,121.97	1,191.89
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	49,281.28	1,191.89
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	80,106.95	1,655.41
26 12 19 00-0023		**Factory Modifications Material Cost Only** *(26 12 19 00-0014)*		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	5,678.45	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	1,438.76	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,474.87	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	7,283.23	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	1,944.25	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	1,681.93	
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,354.02	662.16
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,925.46	662.16
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,891.12	907.16
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,946.31	907.16
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	44,580.93	1,191.89
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	55,402.07	1,192.02
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	70,359.87	1,655.41
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,490.68	460.55
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,573.55	647.65
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	33,144.44	1,036.24
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	59,968.98	1,036.24
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	82,817.17	1,698.27
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	111,740.67	1,698.27
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,933.46	489.33
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,470.27	489.33
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,831.21	690.82
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,016.84	690.82
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,249.57	935.49
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,545.92	1,439.22
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	81,702.75	1,439.22
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	110,020.44	1,799.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0056		**7.2 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,933.46	489.33
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,470.85	489.33
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,831.21	690.82
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,016.84	690.82
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,249.57	935.49
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	50,239.13	1,266.51
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,545.92	1,266.51
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	81,702.75	1,597.53
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	110,020.44	1,799.03
26 12 19 00-0066		**2.4 KV Primary, 277 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,682.06	489.33
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,375.89	489.33
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,090.53	690.82
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,903.05	690.82
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,567.63	935.49
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,255.36	1,266.51
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,656.58	1,266.51
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	90,279.58	1,597.53
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	121,647.35	1,799.03
26 12 19 00-0076		**2.4 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,933.46	489.33
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,470.27	489.33
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,831.21	939.96
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,016.84	1,266.51
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,249.57	935.49
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	50,039.56	1,266.51
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,534.49	1,266.51
26 12 19 00-0084		**2.4 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,933.46	489.33
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,470.27	489.33
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,831.21	690.82
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,016.84	690.82
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,249.57	935.49
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	50,039.56	1,266.51
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,534.49	1,266.51
26 12 19 00-0092		**2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,215.73	503.73
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,400.86	561.29
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,867.96	618.86
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,830.58	863.54
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,459.77	1,007.45
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,077.51	1,180.16
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	44,789.85	1,352.87
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	71,064.21	1,727.06
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	99,279.03	1,942.95
26 12 19 00-0102		**3 Phase Pad Mounted Oil Filled Distribution Transformers** *(26 12 19)*		
26 12 19 00-0103		**Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt** *(26 12 19 00-0102)* Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 19 00-0104	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	28,986.30	1,904.32
26 12 19 00-0105	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	36,478.40	2,040.35
26 12 19 00-0106	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	48,489.25	2,584.44
26 12 19 00-0107	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	63,363.96	3,264.56
26 12 19 00-0108	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	93,986.00	3,672.63
26 12 19 00-0109	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	117,953.06	4,896.83
26 12 19 00-0110		**Pad Mounted Commercial Type Distribution Transformers UL Listed** *(26 12 19)*		
26 12 19 00-0111		**Distribution 3 Phase Oil Filled Transformer** *(26 12 19 00-0110)* Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 12 19 00-0112		**Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 95 KV BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0113	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	43,447.52	1,589.19
26 12 19 00-0114	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	48,964.01	1,589.19
26 12 19 00-0115	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,359.19	2,741.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0116	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	66,600.64	2,741.35
26 12 19 00-0117	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	75,183.36	4,105.40
26 12 19 00-0118	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	102,363.77	5,429.73
26 12 19 00-0119	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	135,936.36	6,886.49
26 12 19 00-0120	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	157,634.87	8,343.24
26 12 19 00-0121		**Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** *(26 12 19 00-0111)*		
		Note: Rated to 5 KVA.		
26 12 19 00-0122	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	43,447.52	1,589.19
26 12 19 00-0123	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	48,964.01	1,589.19
26 12 19 00-0124	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,359.19	2,741.35
26 12 19 00-0125	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	66,909.35	2,741.35
26 12 19 00-0126	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	75,995.40	4,105.40
26 12 19 00-0127	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	102,555.91	5,429.73
26 12 19 00-0128	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	152,170.56	6,886.49
26 12 19 00-0129	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	161,104.51	8,343.24
26 12 19 00-0130		**Factory Modifications** *(26 12 19 00-0111)*		
		Note: For use with series 4100 3 phase transformers.		
26 12 19 00-0131	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,248.18	
26 12 19 00-0132	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	528.19	
26 12 19 00-0133	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,112.76	
26 12 19 00-0134	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	6,086.98	
26 12 19 00-0135	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	745.68	
26 12 19 00-0136	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	590.33	
26 12 19 00-0137		**Accessories For Transformer Liquid Containment Area** *(26 12 19 00-0111)*		
		Note: Reinforced concrete curb with 6" slab.		
26 12 19 00-0138	EA	Containment Area For 75 KVA	8,336.82	2,395.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,596.91*	
26 12 19 00-0139	EA	Containment Area For 112.5 KVA	8,336.82	2,395.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,596.91*	
26 12 19 00-0140	EA	Containment Area For 150 KVA	8,336.82	2,395.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,596.91*	
26 12 19 00-0141	EA	Containment Area For 225 KVA	8,336.82	2,395.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,596.91*	
26 12 19 00-0142	EA	Containment Area For 300 KVA	8,328.24	2,395.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,594.34*	
26 12 19 00-0143	EA	Containment Area For 500 KVA	8,328.24	2,395.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,594.34*	
26 12 19 00-0144	EA	Containment Area For 750 KVA	8,415.24	2,395.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,594.34*	
26 12 19 00-0145	EA	Containment Area For 1,000 KVA	9,676.68	2,395.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,594.34*	
26 12 19 00-0146		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL** *(26 12 19 00-0111)*		
		Note: Rated to 5 KVA.		
26 12 19 00-0147	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	19,546.05	1,589.19
26 12 19 00-0148	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	21,410.24	1,589.19
26 12 19 00-0149	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,653.05	1,589.19
26 12 19 00-0150	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	26,381.45	1,589.19
26 12 19 00-0151	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	28,069.99	2,383.79
26 12 19 00-0152	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	29,312.80	2,383.79
26 12 19 00-0153	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	44,226.40	2,383.79
26 12 19 00-0154	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,491.30	3,178.38
26 12 19 00-0155	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	72,647.70	3,178.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0156		Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL *(26 12 19 00-0111)*		
		Note: Rated to 5 KVA.		
26 12 19 00-0157	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	20,167.45	1,589.19
26 12 19 00-0158	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,653.05	1,589.19
26 12 19 00-0159	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	23,274.45	1,589.19
26 12 19 00-0160	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	23,895.85	1,589.19
26 12 19 00-0161	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	28,069.99	2,383.79
26 12 19 00-0162	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	30,555.60	2,383.79
26 12 19 00-0163	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	44,226.40	2,383.79
26 12 19 00-0164	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	57,112.70	3,178.38
26 12 19 00-0165	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	72,647.70	3,178.38
26 12 19 00-0166		Primary 5 KV Or 15 KV, Secondary 277/480 Volt *(26 12 19 00-0110)*		
		Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 12 19 00-0167	EA	150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	69,220.06	2,094.76
26 12 19 00-0168	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	75,442.69	2,472.90
26 12 19 00-0169	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	84,487.72	3,022.43
26 12 19 00-0170	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	100,813.44	3,400.58
26 12 19 00-0171	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	124,497.74	3,579.45
26 12 19 00-0172	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	149,714.58	5,230.10
26 12 19 00-0173	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	176,453.28	5,917.01
26 12 19 00-0174	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	221,418.92	6,801.17
26 12 19 00-0175	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	245,354.33	7,141.22
26 12 19 00-0176	EA	3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	258,375.14	7,957.63
26 12 19 00-0177	EA	3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	297,625.99	8,501.73
26 12 19 00-0178		Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled *(26 12 19 00-0110)*		
26 12 19 00-0179	EA	1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	127,961.22	5,901.86
26 12 19 00-0180	EA	2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	157,840.83	6,787.16
26 12 19 00-0181	EA	2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	179,934.88	7,144.33
26 12 19 00-0182	EA	3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	190,795.38	7,984.88
26 12 19 00-0183	EA	3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	214,487.93	8,226.84
26 12 19 00-0184		Silicone Filled Distribution Transformers, 3 Phase *(26 12 19 00-0110)*		
		Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 12 19 00-0185	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	120,723.75	2,472.90
26 12 19 00-0186	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	129,221.80	3,022.43
26 12 19 00-0187	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	151,539.00	3,400.58
26 12 19 00-0188	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	184,210.51	3,579.45
26 12 19 00-0189	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	219,828.28	5,230.10
26 12 19 00-0190	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	280,361.58	5,917.01
26 12 19 00-0191	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	341,450.34	6,801.17
26 12 19 00-0192	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	391,266.85	7,141.22

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	16,112.67	1,496.79
		For Weatherproofing, Add	*3,334.90*	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	16,914.19	1,496.79
		For Weatherproofing, Add	*3,511.24*	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	23,049.65	1,906.97
		For Weatherproofing, Add	*4,818.43*	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	31,423.07	1,906.97
		For Weatherproofing, Add	*6,628.48*	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	45,059.14	2,302.75
		For Weatherproofing, Add	*9,590.11*	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	41,110.67	2,302.75
		For Weatherproofing, Add	*8,705.14*	

26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	24,062.38	1,727.06
		For Weatherproofing, Add	*5,062.13*	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	29,543.90	2,158.83
		For Weatherproofing, Add	*6,197.12*	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	41,556.94	2,590.60
		For Weatherproofing, Add	*8,789.03*	

26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	23,199.63	1,727.06
		For Weatherproofing, Add	*4,853.31*	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	31,951.32	1,727.06
		For Weatherproofing, Add	*6,737.27*	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	46,694.53	2,302.75
		For Weatherproofing, Add	*9,933.59*	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	29,184.48	2,302.75
		For Weatherproofing, Add	*6,100.76*	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	42,403.22	2,878.44
		For Weatherproofing, Add	*8,967.61*	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	59,361.53	2,878.44
		For Weatherproofing, Add	*12,654.94*	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	40,819.86	2,878.44
		For Weatherproofing, Add	*8,607.24*	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	56,625.52	2,878.44
		For Weatherproofing, Add	*12,043.02*	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	73,416.79	2,878.44
		For Weatherproofing, Add	*15,697.89*	

26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,224.92	942.69
		For Weatherproofing, Add	*1,457.27*	
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,397.87	942.69
		For Weatherproofing, Add	*1,935.32*	
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,187.41	1,252.12
		For Weatherproofing, Add	*2,066.32*	
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,623.99	1,547.16
		For Weatherproofing, Add	*2,560.62*	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,021.87	1,547.16
		For Weatherproofing, Add	*3,528.15*	

26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,143.41	1,439.22
		For Weatherproofing, Add	*1,860.96*	
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,964.13	1,439.22
		For Weatherproofing, Add	*2,439.11*	
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,260.93	1,439.22
		For Weatherproofing, Add	*3,782.57*	

26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,427.34	1,223.34
		For Weatherproofing, Add	*1,903.55*	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,056.21	1,223.34
		For Weatherproofing, Add	*2,041.90*	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,413.55	1,511.18
		For Weatherproofing, Add	*2,958.44*	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,841.40	1,813.42
		For Weatherproofing, Add	*2,570.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,804.93	1,813.42
		For Weatherproofing, Add	*3,222.68*	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,172.26	2,115.65
		For Weatherproofing, Add	*3,700.71*	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,016.38	2,417.89
		For Weatherproofing, Add	*3,404.39*	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,047.08	2,417.89
		For Weatherproofing, Add	*3,851.15*	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	23,470.76	2,705.74
		For Weatherproofing, Add	*4,781.96*	

26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections *(26 13 16 00-0001)*

26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	4,583.38	912.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*547.23*	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	5,730.91	1,012.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*607.27*	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	7,481.44	1,217.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*730.57*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	4,721.72	1,831.12
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	5,716.26	118.46
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	7,635.71	118.46
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	13,984.05	118.46
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	10,989.52	118.46
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	11,997.12	118.46
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	16,331.16	118.46
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,588.59	118.46
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,925.98	118.46
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,445.13	118.46
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	2,844.83	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 16 00-0058	EA	AC Ammeter With Switch	1,112.30	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	1,112.30	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 16 00-0060	EA	Indicating Wattmeter	1,644.82	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 16 00-0061	EA	Indicating Varmeter	1,940.27	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	1,218.08	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	2,914.48	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	5,404.40	118.46
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	753.94	118.46
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	3,606.23	118.46

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear *(26 13)*

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV *(26 13 19)*

26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	58,282.13	1,799.03
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	64,362.42	2,273.96
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	73,073.87	2,273.96
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	66,794.68	1,799.03
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	75,138.30	1,799.03
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	85,642.98	2,115.65
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	88,368.56	2,417.89
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	96,754.55	2,417.89
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	105,720.98	2,720.13

26 13 29 Medium-Voltage Compartmentalized Switchgear *(26 13)*

26 13 29 00-0001 Substation Secondary Distribution Section *(26 13 29)*

Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker *(26 13 29 00-0001)*

Note: With solid state long - time and instantaneous trips.

26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	18,566.20	1,150.65
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	29,311.47	1,739.67
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	39,684.80	2,136.92
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	65,973.32	2,479.37
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	84,812.01	2,821.82

26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker *(26 13 29 00-0001)*

26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,217.83	349.30
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,495.82	349.30
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,423.59	513.68
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,766.99	513.68
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	29,674.71	753.40

26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering *(26 13 29 00-0001)*

Note: No provisions for future breaker.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	8,347.10	390.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.23*	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	10,496.37	390.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.05*	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	13,596.29	602.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*376.70*	
26 13 29 00-0018		Accessories For Substation Secondary Distribution *(26 13 29 00-0001)*		
26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	4,679.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	3,612.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	11,725.50	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	11,725.50	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	15,550.56	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	20,180.89	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	8,651.69	135.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.04*	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	24,630.20	2,000.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,200.53*	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	5,243.04	118.46
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	6,180.29	118.46
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	3,306.01	59.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.54*	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	25,381.62	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	3,144.95	59.23

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 36 Medium-Voltage Enclosed Fuses *(26 18)*

26 18 36 00-0001		Sectionalizing Switch *(26 18 36)*		
26 18 36 00-0002		Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 36 00-0001)* Note: 15 KV - 25 KV.		
26 18 36 00-0003		Sectionalizing Tapping And Fusing Underground Feeders *(26 18 36 00-0002)* Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	77,209.74	993.24
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	86,863.76	993.24

26 19 High-Voltage Circuit Protection *(26 10)*

26 19 18 Protection Devices *(26 19)*

26 19 18 00-0001		Primary Fuse Cutouts *(26 19 18)* Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 19 18 00-0002		Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)* Note: Includes the fuse and cutout switch.		
26 19 18 00-0003		8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*		
26 19 18 00-0004	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	808.43	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	
26 19 18 00-0005	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	952.35	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*215.88*	
26 19 18 00-0006	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,095.79	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*258.92*	
26 19 18 00-0007	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,117.99	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.07*	
26 19 18 00-0008	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,117.99	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.07*	
26 19 18 00-0009		17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*		
26 19 18 00-0010	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	808.43	287.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	
26 19 18 00-0011		17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*		
26 19 18 00-0012	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	837.78	287.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	
26 19 18 00-0013		Fuseholders *(26 19 18 00-0002)* Note: Including current limiting fuse.		
26 19 18 00-0014	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	684.72	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	
26 19 18 00-0015	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	828.64	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*215.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0016	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	972.08	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*258.92*	
26 19 18 00-0017	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	694.88	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	
26 19 18 00-0018	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	838.80	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*215.88*	
26 19 18 00-0019	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	684.72	287.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	

26 19 18 00-0020 Accessories *(26 19 18 00-0002)*

26 19 18 00-0021	EA	Hot Line Clamp	102.25	32.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.59*	
26 19 18 00-0022	EA	Stirrup	111.56	32.38

26 19 18 00-0023 Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*

Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.

26 19 18 00-0024 8.3 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*

26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,036.97	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,180.89	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*215.88*	
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,324.33	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*258.92*	
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,367.83	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.07*	
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,367.83	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.07*	

26 19 18 00-0030 17.1 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*

26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	1,036.97	287.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	

26 19 18 00-0032 17.1 KV-125 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*

26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	1,036.97	287.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	

26 19 18 00-0034 Fuseholders *(26 19 18 00-0023)*

Note: Includes current limiting fuses.

26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	695.20	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	839.12	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*215.88*	
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	982.56	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*258.92*	
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	695.20	359.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.71*	

26 19 18 00-0039 Pole Mounted Capacitors *(26 19 18 00-0023)*

26 19 18 00-0040	EA	Capacitors - Pole Mounted 6 KVAR	1,882.92	290.15

26 19 80 Transmission and Distribution Accessories *(26 19)*

26 19 80 60 Structure Assemblies *(26 19 80)*

26 19 80 60-0001 Pole Structure Assemblies *(26 19 80 60)*

26 19 80 60-0002 5 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	589.23	273.45
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	984.50	460.55
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,130.92	359.80
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	647.54	187.10
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	820.13	259.06
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,430.58	518.12
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,123.61	388.59
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,049.06	777.18
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,329.48	877.92
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,274.82	431.76
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,076.76	460.55
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,018.21	935.49
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,547.27	561.29
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	963.11	402.98
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,806.49	820.35
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,428.62	417.37

26 19 80 60-0019 15 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	618.58	273.45

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,026.43	460.55
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,273.50	359.80
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	697.86	187.10
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	891.42	244.67
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,573.16	518.12
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,228.45	388.59
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,262.93	777.18
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,618.83	877.92
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,417.40	431.76
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,131.27	460.55
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,072.72	935.49
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,656.30	561.29
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,017.62	388.59
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,861.00	820.35
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,537.65	503.73

26 19 80 60-0036 25 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,916.42	431.76
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,176.68	215.89
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,705.58	331.02
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,226.58	676.43
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,133.18	503.73
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,429.14	993.06
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,258.35	1,122.59
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,293.68	654.84
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,993.74	654.84

26 19 80 60-0046 50 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,574.54	590.08
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,402.59	302.23
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,768.82	474.95
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,319.58	964.28
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,546.29	719.61
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	4,887.11	1,439.22
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,789.83	1,597.53
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,954.85	777.18
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,969.00	899.51
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,863.17	849.14

26 19 80 60-0057 Overhead To Underground Conversion Structures *(26 19 80 60)*

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.

26 19 80 60-0058 5 KV Structures *(26 19 80 60-0057)*

Note: Excludes pole.

26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,092.61	2,878.44
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,092.61	2,878.44
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,092.61	2,878.44
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,092.61	2,878.44

26 19 80 60-0063 15 KV Structures *(26 19 80 60-0057)*

Note: Excludes pole.

26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,289.92	2,878.44
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,289.92	2,878.44
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,289.92	2,878.44
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,289.92	2,878.44

26 19 80 60-0068 25 KV Structures *(26 19 80 60-0057)*

Note: Excludes pole.

26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,505.18	2,878.44
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,505.18	2,878.44
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,505.18	2,878.44
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,505.18	2,878.44

26 19 80 60-0073 Transformer Stations *(26 19 80 60)*

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.

26 19 80 60-0074 5 KV Station *(26 19 80 60-0073)*

26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	9,859.96	3,835.88
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	11,050.87	4,316.80
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	12,241.78	4,797.40
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	12,241.78	4,797.40
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	9,859.96	3,835.88

26 19 80 60-0080 15 KV Stations *(26 19 80 60-0073)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	10,164.92	3,835.88
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	11,355.83	4,316.80
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	12,546.74	4,797.40
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	12,546.74	4,797.40
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	10,164.92	3,835.88
26 19 80 60-0086		25 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	10,497.60	3,835.88
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	11,688.51	4,316.80
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	12,879.42	4,797.40
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	12,879.42	4,797.40
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	10,497.60	3,835.88

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0001		Service Drop Cable And Weatherheads *(26 21 13)*		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	9.37	3.43
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.36	4.05
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.55	4.57
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	18.32	5.75
26 21 13 00-0008		Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.54	4.05
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.30	4.57
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	16.93	5.75
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	21.40	7.02
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	27.82	9.28
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	35.76	11.52
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	49.11	13.71
26 21 13 00-0016		Aluminum Quadruplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.35	4.57
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	16.92	5.75
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	21.91	7.38
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	28.92	9.28
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	32.24	10.28
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	37.59	11.52
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	44.08	13.71
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	56.68	15.15
26 21 13 00-0025		Weatherproof Conduit Hubs *(26 21 13 00-0002)*		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs	59.72	22.82
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs	68.09	25.93
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs	78.75	29.04
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs	109.32	38.90
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs	119.97	42.01
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs	153.23	48.75
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs	198.33	54.97
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs	254.14	64.82
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs	454.91	129.66
26 21 13 00-0035		Service Entrance Cap, Threaded Weatherhead, Galvanized *(26 21 13 00-0002)*		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	65.76	22.82
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	75.33	25.93
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	86.03	29.04
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	115.54	38.90
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	129.96	42.01
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	168.47	48.75
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	273.76	54.97
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	312.45	64.82
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	521.96	129.66
26 21 13 00-0045		Service Entrance Cap, Clamp-On Weatherhead, Aluminum *(26 21 13 00-0002)*		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	63.86	22.82
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	72.13	25.93
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	81.70	28.91
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	108.70	38.90
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	120.72	42.01
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	142.07	48.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	224.25	54.97
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	287.55	64.82
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	406.95	97.24
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	492.32	129.66
26 21 13 00-0056		Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) *(26 21 13 00-0002)*		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	61.45	22.82
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	70.21	25.93
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	79.55	28.91
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	106.07	38.90
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	115.36	42.01
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	140.15	48.75
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	221.54	54.97
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	249.81	64.82
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	422.45	97.24
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	582.68	129.66

26 21 16 Low-Voltage Underground Electrical Service Entrance *(26 21)*

26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial *(26 21 16)*

Note: Excludes excavation and backfill.

26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,875.11	1,279.32
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,615.13	1,354.60
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,688.62	1,439.22
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,012.96	1,439.22
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,940.85	1,535.22
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	10,639.09	1,771.40
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	12,999.20	2,302.75

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,776.27	332.43
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,489.83	398.92
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,250.78	416.21
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,018.68	432.16
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,875.15	465.41
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,066.94	498.65
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*303.48*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*455.22*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,763.13	531.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*334.97*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*502.45*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,441.90	598.38
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*312.26*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*468.38*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,928.90	664.87
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*379.96*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*569.94*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,896.45	797.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*515.04*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*772.56*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,184.13	930.82
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*666.13*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*999.19*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,491.42	1,196.77
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,104.89*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,657.34*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	44,847.25	1,462.71
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,096.09*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,144.14*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	70,959.00	1,662.17
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,381.73*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,072.60*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,972.59	398.92
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,421.96	415.55
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,092.20	432.16
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,696.49	465.41

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0022				240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*		
				Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
	26 22 13 00-0023		EA	15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,370.42	498.65
	26 22 13 00-0024		EA	25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,098.10	531.89
26 22 13 00-0025				208 x 230 Volt, 120 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*		
				Note: 1-10 Percent x 2-5 percent FCBN taps.		
	26 22 13 00-0026		EA	0.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,453.55	299.19
	26 22 13 00-0027		EA	1 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,659.27	332.43
	26 22 13 00-0028		EA	2 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,217.86	365.68
	26 22 13 00-0029		EA	3 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,592.01	398.92
	26 22 13 00-0030		EA	5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,940.81	416.21
	26 22 13 00-0031		EA	7.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,411.05	432.16
	26 22 13 00-0032		EA	10 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,485.33	465.41
	26 22 13 00-0033		EA	15 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,276.37	498.65
26 22 13 00-0034				1 Phase Mounting Brackets *(26 22 13 00-0001)*		
	26 22 13 00-0035		EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	656.40	236.92
26 22 13 00-0036				1 Phase Weathershields *(26 22 13 00-0001)*		
				Note: Use with types DT-3 and DS-3.		
	26 22 13 00-0037		EA	37.5 KVA 1 Phase Weathershields, Set Of 2	218.65	
	26 22 13 00-0038		EA	50 KVA 1 Phase Weathershields, Set Of 2	278.70	
	26 22 13 00-0039		EA	75 KVA 1 Phase Weathershields, Set Of 2	332.34	
	26 22 13 00-0040		EA	100 KVA 1 Phase Weathershields, Set Of 2	396.48	
	26 22 13 00-0041		EA	167 KVA 1 Phase Weathershields, Set Of 2	536.41	
	26 22 13 00-0042		EA	250 KVA 1 Phase Weathershields, Set Of 2	641.36	
	26 22 13 00-0043		EA	333 KVA 1 Phase Weathershields, Set Of 2	787.13	
26 22 13 00-0044				Packaged Power Supply *(26 22 13 00-0001)*		
				Note: 2-5 Percent FCBN taps.		
	26 22 13 00-0045		EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	4,045.54	415.55
	26 22 13 00-0046		EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,622.96	432.16
	26 22 13 00-0047		EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	5,013.56	465.41
	26 22 13 00-0048		EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	6,296.25	498.65
	26 22 13 00-0049		EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	8,967.61	531.89
26 22 13 00-0050				240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade *(26 22 13 00-0001)*		
	26 22 13 00-0051		EA	0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	3,018.07	299.19
	26 22 13 00-0052		EA	1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,425.59	332.43
	26 22 13 00-0053		EA	2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,141.63	398.92
	26 22 13 00-0054		EA	5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,728.77	415.55
	26 22 13 00-0055		EA	7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	6,520.00	432.16
	26 22 13 00-0056		EA	10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	8,568.87	465.41
	26 22 13 00-0057		EA	15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	11,305.76	498.65
26 22 13 00-0058				600 Volt, 208/120 Volt, Dry General Purpose Transformer *(26 22 13 00-0001)*		
	26 22 13 00-0059		EA	15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,118.10	498.65
	26 22 13 00-0060		EA	25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,619.48	531.89
	26 22 13 00-0061		EA	30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,167.12	565.14
	26 22 13 00-0062		EA	37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,266.05	598.38
	26 22 13 00-0063		EA	45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	21,042.97	631.62
	26 22 13 00-0064		EA	50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	28,364.21	664.87
26 22 13 00-0065				3 Phase General Purpose "Dry Type" Transformer *(26 22 13)*		
				Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0066				Packaged Power Supply *(26 22 13 00-0065)*		
				Note: 2-5 Percent FCBN taps.		
	26 22 13 00-0067		EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	18,266.49	1,429.47
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*770.38*	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,155.57*	
	26 22 13 00-0068		EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	22,151.67	1,529.20
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*954.66*	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,432.00*	
	26 22 13 00-0069		EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	26,751.51	1,662.17
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,171.36*	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,757.04*	
26 22 13 00-0070				Drive Isolation Transformers *(26 22 13 00-0065)*		
				Note: Only use in step-up applications.		
26 22 13 00-0071				230 Volt Drive Isolation Transformers *(26 22 13 00-0070)*		
	26 22 13 00-0072		EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,225.39	531.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0073	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,818.35	565.14
26 22 13 00-0074	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,190.13	598.38
26 22 13 00-0075	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,239.01	631.62
26 22 13 00-0076	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,685.42	698.11
26 22 13 00-0077	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,047.72	764.61
26 22 13 00-0078	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,028.75	831.09
26 22 13 00-0079	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,829.33	930.82
26 22 13 00-0080	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	21,479.29	964.07
26 22 13 00-0081	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	24,847.05	997.31
26 22 13 00-0082	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	31,357.31	1,030.55
26 22 13 00-0083	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	35,156.57	1,263.26
26 22 13 00-0084	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	39,250.25	1,329.74
26 22 13 00-0085	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	45,021.03	1,396.23
26 22 13 00-0086	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	54,935.69	1,662.17
26 22 13 00-0087	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	72,891.19	1,961.36
26 22 13 00-0088	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	76,896.67	2,160.82
26 22 13 00-0089	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	93,754.44	2,393.54
26 22 13 00-0090	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	115,852.48	2,659.48

26 22 13 00-0091 208V Drive Isolation Transformers *(26 22 13 00-0070)*

26 22 13 00-0092	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,640.81	531.89
26 22 13 00-0093	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,311.47	565.14
26 22 13 00-0094	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,698.79	598.38
26 22 13 00-0095	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,848.58	631.62
26 22 13 00-0096	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,310.94	698.11
26 22 13 00-0097	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,669.32	731.36
26 22 13 00-0098	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,877.39	864.34
26 22 13 00-0099	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	20,743.88	930.82
26 22 13 00-0100	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	22,474.45	964.07
26 22 13 00-0101	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	26,010.24	997.31
26 22 13 00-0102	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	32,848.49	1,030.55
26 22 13 00-0103	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	36,817.44	1,263.26
26 22 13 00-0104	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	41,112.72	1,329.74
26 22 13 00-0105	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	47,170.47	1,396.23
26 22 13 00-0106	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	57,562.71	1,662.17

26 22 13 00-0107 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0108	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,415.05	548.52
26 22 13 00-0109	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,493.72	598.38
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*364.85*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*547.27*	

26 22 13 00-0110 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0111	EA	30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	9,478.21	731.36
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*400.78*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*601.16*	
		For K4 Factor Rating, Add	*5,610.85*	
		For K13 Factor Rating, Add	*8,015.50*	
		For K20 Factor Rating, Add	*10,420.15*	
26 22 13 00-0112	EA	37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,503.29	797.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*495.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*743.07*	
		For K4 Factor Rating, Add	*6,935.32*	
		For K13 Factor Rating, Add	*9,907.60*	
		For K20 Factor Rating, Add	*12,879.88*	
26 22 13 00-0113	EA	45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	12,005.37	864.34
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*513.84*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*770.75*	
		For K4 Factor Rating, Add	*7,193.70*	
		For K13 Factor Rating, Add	*10,276.71*	
		For K20 Factor Rating, Add	*13,359.72*	
26 22 13 00-0114	EA	50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,907.61	930.82
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*702.30*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,053.45*	
		For K4 Factor Rating, Add	*9,832.19*	
		For K13 Factor Rating, Add	*14,045.98*	
		For K20 Factor Rating, Add	*18,259.77*	
26 22 13 00-0115	EA	75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,631.14	997.31
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*681.83*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,022.74*	
		For K4 Factor Rating, Add	*9,545.57*	
		For K13 Factor Rating, Add	*13,636.53*	
		For K20 Factor Rating, Add	*17,727.49*	
26 22 13 00-0116	EA	112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	19,488.51	1,196.77
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*854.75*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,282.12*	
		For K4 Factor Rating, Add	*11,966.48*	
		For K13 Factor Rating, Add	*17,094.97*	
		For K20 Factor Rating, Add	*22,223.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0117	EA	150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	25,458.25	1,329.74
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,139.94*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,709.91*	
		For K4 Factor Rating, Add	*15,959.14*	
		For K13 Factor Rating, Add	*22,798.77*	
		For K20 Factor Rating, Add	*29,638.40*	
26 22 13 00-0118	EA	225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	34,825.12	1,662.17
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,575.04*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,362.56*	
		For K4 Factor Rating, Add	*22,050.54*	
		For K13 Factor Rating, Add	*31,500.77*	
		For K20 Factor Rating, Add	*40,951.00*	
26 22 13 00-0119	EA	300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	42,424.79	2,061.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,915.13*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,872.69*	
		For K4 Factor Rating, Add	*26,811.81*	
		For K13 Factor Rating, Add	*38,302.59*	
		For K20 Factor Rating, Add	*49,793.37*	
26 22 13 00-0120	EA	500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	61,140.95	2,526.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,804.40*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,206.60*	
		For K4 Factor Rating, Add	*39,261.56*	
		For K13 Factor Rating, Add	*56,087.94*	
		For K20 Factor Rating, Add	*72,914.32*	
26 22 13 00-0121	EA	750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	142,928.14	3,045.95
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*6,840.57*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*10,260.85*	
		For K4 Factor Rating, Add	*95,767.93*	
		For K13 Factor Rating, Add	*136,811.33*	
		For K20 Factor Rating, Add	*177,854.73*	
26 22 13 00-0122	EA	1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	188,795.23	3,324.35
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*9,107.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*13,660.99*	
		For K4 Factor Rating, Add	*127,502.56*	
		For K13 Factor Rating, Add	*182,146.52*	
		For K20 Factor Rating, Add	*236,790.48*	

26 22 13 00-0123 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0124	EA	6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,175.37	515.28
		For K4 Factor Rating, Add	*2,901.37*	
		For K13 Factor Rating, Add	*4,144.82*	
		For K20 Factor Rating, Add	*5,388.27*	
26 22 13 00-0125	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,415.05	548.52
		For K4 Factor Rating, Add	*3,722.61*	
		For K13 Factor Rating, Add	*5,318.01*	
		For K20 Factor Rating, Add	*6,913.41*	
26 22 13 00-0126	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,493.72	598.38
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*364.85*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*547.27*	
		For K4 Factor Rating, Add	*5,107.87*	
		For K13 Factor Rating, Add	*7,296.95*	
		For K20 Factor Rating, Add	*9,486.04*	

26 22 13 00-0127 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0128	EA	30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	16,720.55	731.36
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*762.89*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,144.34*	
		For K4 Factor Rating, Add	*10,680.49*	
		For K13 Factor Rating, Add	*15,257.84*	
		For K20 Factor Rating, Add	*19,835.19*	
26 22 13 00-0129	EA	45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,707.60	864.34
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*848.95*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,273.42*	
		For K4 Factor Rating, Add	*11,885.26*	
		For K13 Factor Rating, Add	*16,978.94*	
		For K20 Factor Rating, Add	*22,072.62*	
26 22 13 00-0130	EA	75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	27,817.56	997.31
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,291.15*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,936.72*	
		For K4 Factor Rating, Add	*18,076.07*	
		For K13 Factor Rating, Add	*25,822.95*	
		For K20 Factor Rating, Add	*33,569.84*	
26 22 13 00-0131	EA	112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	34,965.52	1,196.77
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,628.60*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,442.90*	
		For K4 Factor Rating, Add	*22,800.39*	
		For K13 Factor Rating, Add	*32,571.98*	
		For K20 Factor Rating, Add	*42,343.57*	
26 22 13 00-0132	EA	150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	42,199.65	1,329.74
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,977.01*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,965.51*	
		For K4 Factor Rating, Add	*27,678.12*	
		For K13 Factor Rating, Add	*39,540.17*	
		For K20 Factor Rating, Add	*51,402.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0133	EA	225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	54,125.81	1,662.17
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,540.07*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,810.11*	
		For K4 Factor Rating, Add	*35,561.02*	
		For K13 Factor Rating, Add	*50,801.46*	
		For K20 Factor Rating, Add	*66,041.90*	
26 22 13 00-0134	EA	300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	65,778.83	2,061.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,082.83*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,624.25*	
		For K4 Factor Rating, Add	*43,159.64*	
		For K13 Factor Rating, Add	*61,656.63*	
		For K20 Factor Rating, Add	*80,153.62*	
26 22 13 00-0135	EA	500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	106,320.72	2,526.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*5,063.39*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*7,595.08*	
		For K4 Factor Rating, Add	*70,887.40*	
		For K13 Factor Rating, Add	*101,267.71*	
		For K20 Factor Rating, Add	*131,648.02*	

26 22 13 00-0136 3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0065)*

26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0136)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	7,907.13	598.38
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	12,092.27	731.36
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	17,914.73	864.34
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	22,976.56	997.31
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	34,759.24	1,196.77
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	42,380.14	1,329.74
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	49,194.57	1,662.17
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	78,600.06	2,061.09

26 22 13 00-0146 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0136)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0147	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	9,254.35	598.38
26 22 13 00-0148	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	14,219.48	731.36
26 22 13 00-0149	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	21,150.66	864.34
26 22 13 00-0150	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	27,166.50	997.31
26 22 13 00-0151	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	41,231.10	1,196.77
26 22 13 00-0152	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	50,328.15	1,329.74
26 22 13 00-0153	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	58,367.32	1,662.17
26 22 13 00-0154	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	93,496.92	2,061.09

26 22 13 00-0155 NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0065)*

26 22 13 00-0156 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0155)*

Note: Two taps at 2.5%, four at -2.5%.

26 22 13 00-0157 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*

26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,611.53	595.94
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,405.97	728.38
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,305.28	860.81
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,064.35	993.24
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,401.67	1,191.89
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,638.40	1,324.33
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,394.31	1,655.41
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	21,570.50	2,052.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0166		**115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0156)*		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,339.53	595.94
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,287.80	728.38
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,380.62	860.81
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,587.95	993.24
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,974.27	1,191.89
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,335.33	1,324.33
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	19,019.60	1,655.41
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	26,810.03	2,052.71
26 22 13 00-0175		**80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0156)*		
26 22 13 00-0176	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,064.59	595.94
26 22 13 00-0177	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,172.08	728.38
26 22 13 00-0178	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,455.97	860.81
26 22 13 00-0179	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,109.11	993.24
26 22 13 00-0180	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,958.38	1,191.89
26 22 13 00-0181	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	17,032.25	1,324.33
26 22 13 00-0182	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	22,644.90	1,655.41
26 22 13 00-0183	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	32,049.56	2,052.71
26 22 13 00-0184		**Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0155)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0185		**150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0184)*		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,822.08	595.94
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,878.14	728.38
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,095.88	860.81
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,602.05	993.24
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,987.77	1,191.89
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,226.36	1,324.33
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,559.76	1,655.41
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	30,484.31	2,052.71
26 22 13 00-0194		**115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0184)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,547.14	595.94
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,762.42	728.38
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,171.23	860.81
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,125.67	993.24
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,848.22	1,191.89
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,189.09	1,324.33
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,036.90	1,655.41
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	40,157.48	2,052.71
26 22 13 00-0203		**80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0184)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0204	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,274.65	595.94
26 22 13 00-0205	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,646.69	728.38
26 22 13 00-0206	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,246.56	860.81
26 22 13 00-0207	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,646.81	993.24
26 22 13 00-0208	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,949.33	1,191.89
26 22 13 00-0209	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,688.87	1,324.33
26 22 13 00-0210	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	32,511.58	1,655.41
26 22 13 00-0211	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	47,883.28	2,052.71

26 22 13 00-0212 3 Phase Weathershields *(26 22 13 00-0065)*

Note: Use with type DT-3 and DS-3.

26 22 13 00-0213	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	1,772.67	
26 22 13 00-0214	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,010.31	
26 22 13 00-0215	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,010.31	

26 22 13 00-0216 Three Phase Mounting Brackets *(26 22 13 00-0065)*

26 22 13 00-0217	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,420.12	236.92

26 22 13 00-0218 Foam Core Poly Transformer Pads *(26 22 13)*

26 22 13 00-0219	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	464.95	44.04

26 24 Switchboards and Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0002 Incoming Service Section Main Device Only *(26 24 13 00-0001)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,474.85	1,134.10
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,949.62	1,199.58
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,956.43	1,360.74
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,570.29	1,458.76
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,700.34	1,555.36
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,271.71	1,653.77
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,402.11	1,134.10
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,903.83	1,199.58
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,602.19	1,361.91
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,108.81	1,458.76
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,700.34	1,556.92
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,271.71	1,653.77
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	18,336.73	1,728.97
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	20,781.03	1,852.28
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	24,517.01	1,996.71
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,053.42	1,004.84
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,370.12	1,069.80
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,860.61	1,231.47
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,160.00	1,283.21
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,426.79	1,329.50
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,848.35	1,425.45
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,241.62	1,523.21

26 24 13 00-0025 Branch Breaker Units *(26 24 13 00-0001)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	380.03	39.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.73*	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	557.07	62.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.34*	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,492.72	113.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.07*	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,646.69	147.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.68*	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,720.91	363.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.79*	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	7,544.08	363.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.79*	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	12,234.93	646.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*388.19*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0033		Fusible Switch Type 480 Volt, 3 Phase, 3 Wire *(26 24 13)*		
26 24 13 00-0034		Incoming Service Section Main Device Only *(26 24 13 00-0033)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,331.80	1,471.60
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,068.03	1,471.60
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	10,433.81	1,912.43
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	11,816.91	1,912.43
26 24 13 00-0039		Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire *(26 24 13)*		
26 24 13 00-0040		Incoming Service Section Main Device Only *(26 24 13 00-0039)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,025.83	1,004.84
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,479.34	1,069.80
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,836.08	1,231.47
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,426.76	1,328.47
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,906.07	1,004.84
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	6,183.40	1,069.80
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	8,664.28	1,231.47
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	12,412.92	1,328.47
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	14,568.08	1,491.05
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,829.84	875.05
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,168.56	940.14
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,719.51	1,101.82
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,001.72	1,153.55
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,274.49	1,199.58
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,637.27	1,283.21
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,991.79	1,360.74
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,196.15	1,685.53
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,932.97	1,847.61
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	8,145.78	1,993.47
26 24 13 00-0060		Branch Breaker Units *(26 24 13 00-0039)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	205.27	34.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.62*	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	326.26	57.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.23*	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	987.06	79.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.84*	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,828.65	102.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.46*	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,462.11	249.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.74*	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	6,335.45	249.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.74*	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	10,451.42	476.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*285.92*	
26 24 13 00-0068		Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire *(26 24 13)*		
26 24 13 00-0069		Incoming Service Section Main Device Only *(26 24 13 00-0068)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,476.44	1,134.10
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,947.84	1,199.58
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,954.14	1,360.74
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,567.66	1,458.76
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,694.36	1,555.36
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,271.71	1,653.77
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,403.70	1,134.10
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,902.05	1,199.58
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,602.19	1,361.91
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,106.18	1,458.76
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,697.35	1,556.92
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,271.71	1,653.77
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,200.13	1,004.84
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,574.65	1,069.80
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,167.14	1,231.47
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,481.16	1,283.21
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,784.44	1,329.50
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,192.52	1,425.45
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,606.30	1,523.21
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,650.43	1,730.92
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,354.37	1,852.15
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	8,671.51	1,990.23
26 24 13 00-0092		Branch Breaker Units *(26 24 13 00-0068)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	380.03	39.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	557.07	62.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.34*	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,492.72	113.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.07*	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,646.69	147.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.68*	
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,720.91	363.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.79*	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	7,544.08	363.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.79*	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	12,234.93	646.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*388.19*	

26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0101 Incoming Service Section Main Device Only *(26 24 13 00-0100)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,807.91	1,555.36
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,371.48	1,653.77
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,031.58	1,845.92
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,870.13	1,976.48
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,382.19	1,555.36
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,899.98	1,653.77
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,215.71	1,848.00
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,141.56	1,976.48
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,798.70	2,107.57
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,441.24	2,238.52
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,200.13	1,004.84
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,574.65	1,069.80
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,167.14	1,231.47
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,481.16	1,283.21
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,784.44	1,329.50
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,192.52	1,425.45
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,606.30	1,523.21

26 24 13 00-0119 Branch Breaker Units *(26 24 13 00-0100)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	784.41	39.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.73*	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	905.03	62.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.34*	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,641.31	113.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.07*	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,646.69	147.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.68*	
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	6,342.21	363.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.79*	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	6,487.03	363.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.79*	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	10,412.38	646.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*388.19*	

26 24 13 00-0127 Fusible Branch Circuit Switch *(26 24 13)*

Note: Includes switch fuses, and portion of distribution section occupied by that branch device.

26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	811.40	101.78
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	808.58	101.78
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	808.58	101.78
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,267.71	134.20
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,267.71	134.20
		For Electrical Interlock Kit, Add	*328.81*	

26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	927.29	99.84
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,349.68	99.84
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,469.73	269.04

26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,038.95	114.75
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,036.14	114.75
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,036.14	114.75
		For Electrical Interlock Kit, Add	*328.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,559.85	153.65
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,559.85	153.65
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0144		**240 Volt, 3 Pole Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,122.66	112.80
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,811.23	112.80
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,643.99	301.19
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,629.54	385.86
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	12,329.21	522.77
26 24 13 00-0150		**600 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,465.34	114.75
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,462.49	114.75
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,465.34	114.75
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,203.20	153.65
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,250.81	153.65
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	4,785.98	200.97
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0157		**600 Volt, 3 Pole, Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,581.89	112.80
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,394.24	112.80
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,826.59	301.19
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	7,077.16	385.86
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	12,329.21	522.77
26 24 13 00-0163		**Service And Distribution Structures** *(26 24 13)*		
26 24 13 00-0164		**Distribution Section 600 Volt, 250 Volt DC** *(26 24 13 00-0163)*		
26 24 13 00-0165		**600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,006.29	1,192.84
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,580.86	1,192.84
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,987.91	1,516.98
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,406.77	1,516.98
26 24 13 00-0170		**800 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,387.48	1,380.84
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,945.49	1,380.84
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,406.77	1,711.47
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,783.06	1,711.47
26 24 13 00-0175		**1,200 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,977.46	1,685.53
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,549.63	1,685.53
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,040.31	2,074.51
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,591.57	2,074.51
26 24 13 00-0180		**1,600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,894.15	1,847.61
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,579.64	1,847.61
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,163.56	2,281.96
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,643.77	2,281.96
26 24 13 00-0185		**2,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,134.52	1,854.09
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,876.48	2,087.47
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,997.34	2,087.47
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,251.76	2,204.16
26 24 13 00-0190		**3,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,025.50	2,087.47
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,144.55	2,087.47
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,398.97	2,204.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0194		**4,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,191.72	2,204.16
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,398.97	2,204.16
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,490.85	2,204.16
26 24 13 00-0198		**Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	631.62	155.59
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	712.31	155.59
26 24 13 00-0201	EA	Cable Supports In Pull Box	252.41	38.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.61*	
26 24 13 00-0202		**Underground Pull Sections** *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	614.91	181.52
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	1,058.47	233.38
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	1,058.47	233.38
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	794.75	181.52
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	1,133.67	265.80
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,295.39	265.80
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,359.78	343.59
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,438.23	343.59
26 24 13 00-0211		**Switchboard Sections** *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,922.82	1,080.43
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,390.91	1,174.43
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,763.86	1,500.64
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,396.96	1,637.04
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,888.38	1,742.71
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	5,818.23	947.79
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	3,353.83	900.33
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	3,713.84	976.32
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	8,085.96	1,080.43
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	8,685.85	1,083.28
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	9,537.77	1,209.44
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	189.62	64.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.59*	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	231.15	66.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.77*	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	1,048.36	77.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.77*	
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,732.60	167.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.32*	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	694.40	233.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.04*	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,936.98	135.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.77*	
26 24 13 00-0229		**Switchboard, Structure Per Section Copper, 480 Volt** *(26 24 13 00-0163)*		
26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,552.25	562.71
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,626.04	760.95
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,076.14	926.13
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,155.03	1,296.57
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,389.58	1,620.71
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	7,023.69	1,620.71
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,688.92	2,160.99
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	9,904.81	2,160.99
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	11,650.79	2,572.52
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	13,888.15	2,572.52
26 24 13 00-0240		**Main Devices** *(26 24 13)*		
26 24 13 00-0241		**Power Circuit Breakers** *(26 24 13 00-0240)*		
26 24 13 00-0242		**DSL Breaker With Current Limiters And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	8,889.61	1,361.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*815.11*	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	16,198.60	2,268.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,360.04*	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	36,340.71	3,811.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,266.72*	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	58,564.02	6,171.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,769.09*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	3,044.81	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	393.23	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	515.89	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	371.58	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0251		**DSL Breaker Electrical Operated And Amptector** *(26 24 13 00-0241)* Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	10,398.62	1,426.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*859.79*	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	19,287.14	2,398.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,432.14*	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	40,797.17	3,954.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,383.39*	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	63,062.03	6,482.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,985.34*	
26 24 13 00-0256		**DS Breakers With Amptector Static Trip, Manually Operated** *(26 24 13 00-0241)* Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	7,093.07	1,244.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*748.02*	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	12,956.38	2,087.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,246.70*	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	19,244.21	3,500.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,077.83*	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	33,189.85	5,640.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,460.58*	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	54,032.90	9,205.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5,753.99*	
26 24 13 00-0262		**DS Breakers With Amptector Static Trip, Electrically Operated** *(26 24 13 00-0241)* Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	8,337.88	1,192.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*713.44*	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	15,535.76	1,996.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,188.78*	
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	22,174.67	3,319.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,984.54*	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	36,603.03	5,406.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,307.56*	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	57,301.55	9,270.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5,525.14*	
26 24 13 00-0268		**Molded Case Circuit Breakers Conventional** *(26 24 13 00-0241)*		
26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,067.08	1,089.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*627.37*	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,444.65	1,089.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*682.40*	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,928.51	1,296.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*748.02*	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,845.20	1,296.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*810.35*	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	8,620.51	1,555.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*888.06*	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	13,853.42	1,555.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*982.25*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	389.62	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	90.19	
26 24 13 00-0277		**Switchboard Branch Breaker 480 Volt** *(26 24 13 00-0240)*		
26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	626.11	94.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.37*	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	739.88	124.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.80*	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,122.42	187.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.68*	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,804.20	235.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.34*	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,397.15	315.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.56*	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	4,105.07	405.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.11*	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,599.40	617.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*370.45*	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,599.40	617.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*370.45*	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	9,255.91	864.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*518.63*	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	11,570.98	1,296.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*777.94*	
26 24 13 00-0288		**Switchboard 277/480 Volt Main Breaker** *(26 24 13 00-0240)*		
26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,481.62	562.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.65*	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,588.61	616.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*369.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	8,208.37	926.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*555.67*	
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	14,011.74	1,296.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*777.94*	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	14,287.12	1,434.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*860.55*	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	18,928.19	2,572.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,543.53*	

26 24 13 00-0295 Branch Or Distribution Devices *(26 24 13)*

26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	668.80	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	674.96	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,627.16	70.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.68*	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,359.99	90.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.29*	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,327.94	112.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.68*	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	4,359.44	130.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.52*	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	6,657.07	147.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.80*	

26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	460.70	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	591.86	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,621.88	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,570.90	64.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.79*	
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,716.05	84.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.40*	
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	6,158.53	122.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.68*	

26 24 13 00-0311 Meter Devices And Instrumentation *(26 24 13)*

Note: Factory installed accessories.

26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices *(26 24 13 00-0311)*

26 24 13 00-0313	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	470.79
26 24 13 00-0314	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	680.03
26 24 13 00-0315	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	800.89

26 24 13 00-0316 Instruments *(26 24 13 00-0311)*

26 24 13 00-0317	EA	AC Voltmeter	642.15
26 24 13 00-0318	EA	AC Ammeter	642.15
26 24 13 00-0319	EA	AC Wattmeter	1,715.41
26 24 13 00-0320	EA	Variometer	1,937.28
26 24 13 00-0321	EA	Power Factor Meter	1,547.66
26 24 13 00-0322	EA	Frequency Meter	1,708.19
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer	577.21
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	2,173.57
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,636.45
26 24 13 00-0326	EA	Weatherproof, Modify Meter	3,524.14
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	83.17
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour	4,386.48

26 24 16 Panelboards *(26 24)*

26 24 16 00-0001 Branch Circuit Panelboard *(26 24 16)*

Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

26 24 16 00-0002 Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,359.02	369.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,547.03	369.52
		For NEMA 3R Panelboard, Add	*1,579.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,758.60	512.14
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,972.38	512.14
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,173.85	641.80
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,380.55	641.80
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,580.20	739.05
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,101.91	946.50
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,266.85	946.50
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers	3,428.26	1,082.63
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,688.14	1,082.63
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,847.95	1,218.77
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,086.16	1,218.77
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,232.84	1,348.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,470.97	1,348.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,690.85	1,491.05
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,842.09	1,491.05
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,064.66	1,491.05
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,603.70	356.56
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,794.53	356.56
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,236.38	609.39
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,535.39	609.39
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,740.90	745.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,955.25	745.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,145.52	894.63
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,803.78	894.63
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,973.67	1,095.59
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,158.26	1,095.59
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,360.52	1,231.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,524.38	1,231.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,699.14	1,348.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,886.46	1,348.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,088.41	1,594.78
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,307.46	1,594.78
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,546.75	1,594.78
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,694.62	1,685.53
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0041		**120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,638.81	421.38
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,841.24	421.38
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,070.64	564.01
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,311.13	564.01
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,527.04	693.66
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,757.85	693.66
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,975.03	823.32
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,200.59	823.32
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,409.14	965.95
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,649.29	965.95
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,894.97	1,115.04
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,135.05	1,115.04
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,617.83	1,348.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,783.33	1,348.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,062.87	1,497.53
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,318.09	1,497.53
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,497.25	1,633.68
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,753.85	1,633.68
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,575.33	1,449.56
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,757.90	1,523.47
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,050.30	1,604.50
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,325.19	1,698.50
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,515.80	1,750.37
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,825.32	1,857.33
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,940.74	408.41
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,145.82	408.41
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,388.87	538.07
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,723.31	538.07
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,228.13	810.35
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,438.83	810.35
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,667.48	946.50
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,858.66	946.50
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,114.90	1,095.59
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,291.49	1,095.59
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,574.10	1,231.74
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,815.54	1,231.74
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,654.69	1,426.22
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,906.60	1,504.02
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,014.71	1,504.02
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,297.98	1,698.50
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,494.22	1,698.50
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	6,625.53	1,698.50
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,640.96	1,562.36
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,916.78	1,653.12
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	7,028.65	1,698.50
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,334.64	1,802.22
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,529.85	1,854.09
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,715.82	1,918.92
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,843.27	414.90
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,109.86	414.90
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,365.33	570.49
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,631.88	570.49
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,880.28	713.11
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,142.17	713.11
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers	3,415.61	862.21
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,665.96	862.21
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers	3,941.49	1,024.29
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,207.40	1,024.29
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,451.64	1,166.91
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,713.54	1,166.91
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,274.82	1,419.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,536.41	1,419.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,815.11	1,555.88
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers	6,017.73	1,555.88
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,328.17	1,717.95
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,548.92	1,717.95
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,341.73	440.83
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,602.16	479.73
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,865.51	596.42
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers,	3,445.71	726.08
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,697.74	803.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,926.98	868.70
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,180.20	946.50
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,423.65	1,024.29
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,645.93	1,089.11
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,884.79	1,153.94
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,143.71	1,231.74
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,427.21	1,328.98
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,808.15	1,478.08
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	7,079.76	1,568.84
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	7,271.31	1,607.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,577.39	1,711.47
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers	7,788.63	1,776.29
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	8,007.87	1,832.05
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0129		277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0130	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,238.23	453.80
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0131	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,534.73	453.80
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0132	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,823.34	602.91
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,114.38	602.91
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,410.27	745.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0135	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,699.88	745.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0136	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,994.38	894.63
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0137	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,287.62	894.63
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,608.72	1,050.22
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,876.44	1,050.22
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,159.72	1,056.70
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,461.85	1,056.70
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,224.27	1,465.12
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,533.20	1,465.12
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,769.93	1,542.91
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,107.99	1,646.64
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,361.26	1,646.64
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,737.33	1,802.22
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0148		277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,902.75	557.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	3,206.45	557.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,498.40	739.05
		For NEMA 3R Panelboard, Add	*1,579.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	4,167.94	739.05
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	4,450.13	933.53
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	4,731.87	933.53
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	5,003.83	1,069.67
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	5,254.63	1,069.67
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	5,522.00	1,218.77
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,809.43	1,218.77
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	6,055.59	1,348.43
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	6,314.29	1,348.43
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	8,226.29	1,594.78
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	8,541.71	1,594.78
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	8,772.34	1,743.88
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	9,125.78	1,743.88
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	9,378.28	1,905.95
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	9,639.66	1,905.95
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	11,423.80	2,122.48
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	13,902.25	2,547.75
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	709.39	
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	816.78	
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,114.60	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,286.98	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,456.82	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,630.35	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,770.48	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,939.32	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,118.05	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,257.92	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,467.52	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,056.00	
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,197.39	
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,920.37	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,133.36	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,334.01	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,036.55	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,277.97	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,495.42	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,428.64	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,527.81	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,808.50	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,977.47	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,134.29	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,440.71	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,571.93	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,732.55	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,974.31	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,109.10	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,305.93	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,767.03	
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,899.52	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,747.17	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,943.72	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,132.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,817.45	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,050.65	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,266.05	

26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	799.98	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	941.25	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,060.32	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,202.15	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,384.02	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,533.12	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,768.03	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,905.70	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,057.94	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,270.78	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,505.27	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,960.98	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,237.74	
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,396.31	
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,605.25	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,374.97	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,572.26	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,757.66	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,811.63	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,036.52	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,222.93	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,519.23	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,652.28	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,762.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,896.06	
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,074.50	
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,210.59	
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,578.39	
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,707.15	
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,851.18	
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,127.04	
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,345.77	
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,801.47	
26 24 16 00-0250		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*		
26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,948.77	
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,098.44	
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,302.59	
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,201.76	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,382.62	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,555.69	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,310.68	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,542.70	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,741.16	
26 24 16 00-0260		480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0169)*		
		Note: As manufactured by Square D or equal.		
26 24 16 00-0261		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,143.89	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,256.40	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,736.40	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,936.87	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,110.34	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,108.34	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,222.86	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,415.41	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,561.11	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,745.35	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,998.69	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0273		Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,339.16	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,412.97	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,619.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,761.89	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,046.58	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,959.03	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,135.16	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,362.69	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,508.26	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,748.42	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,965.49	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,838.49	
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,951.00	
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,414.56	
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,734.22	
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,893.98	
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,891.98	
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,985.95	
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,149.05	
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,363.24	
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,530.72	
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,748.04	

26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,181.71	
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,255.52	
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,304.31	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,440.04	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,843.92	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,742.67	
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,898.25	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,096.32	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,241.89	
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,463.24	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,677.46	

26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,190.47	
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,303.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,509.00	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,804.95	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,006.93	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,179.08	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,198.90	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,335.20	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,526.29	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,672.20	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,857.37	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	3,111.68	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,578.91	
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,653.40	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,875.58	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,949.56	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,092.03	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,375.98	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,345.59	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,523.83	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,748.96	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,971.46	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,213.90	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,430.86	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,885.07	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,998.26	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,193.32	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,483.11	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,804.27	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,962.72	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,984.60	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,098.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,259.92	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,474.33	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,642.38	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,859.70	

26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,257.06	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,331.56	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,672.92	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,633.88	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,770.18	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,173.33	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,129.23	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,286.93	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,482.60	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,705.10	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,928.36	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	6,141.89	

26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: Square D I-Line or equal.

26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,052.52	385.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.36*	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,395.88	385.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.30*	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,654.45	385.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.30*	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,050.40	633.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*379.84*	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,250.53	633.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*379.84*	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,470.13	633.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*379.84*	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,767.48	841.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*504.90*	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,960.36	844.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*506.45*	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,038.44	841.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*504.90*	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,673.35	841.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*504.90*	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,110.54	1,266.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*759.67*	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,542.66	1,266.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*759.67*	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,895.98	1,266.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*759.67*	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,327.22	1,266.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*759.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0378		Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*		
26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,925.70	393.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*236.24*	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,145.43	446.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*267.98*	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,395.14	446.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*267.98*	
26 24 16 00-0382	EA	400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,130.10	446.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*267.98*	
26 24 16 00-0383	EA	600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,012.54	732.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*439.28*	
26 24 16 00-0384	EA	600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,425.54	734.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*440.45*	
26 24 16 00-0385	EA	600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,765.22	732.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*439.28*	
26 24 16 00-0386	EA	800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,136.91	978.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*587.26*	
26 24 16 00-0387	EA	800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,624.99	975.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*585.19*	
26 24 16 00-0388	EA	800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	11,112.02	975.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*585.19*	
26 24 16 00-0389		Residential Lighting And Power Panelboards *(26 24 16 00-0001)*		
		See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0390		Residential Type Unassembled Load Center *(26 24 16 00-0389)*		
		Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0391		Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*		
26 24 16 00-0392	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	172.98	64.82
26 24 16 00-0393	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	582.99	259.32
26 24 16 00-0394	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	879.66	370.16
26 24 16 00-0395	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,879.36	778.07
26 24 16 00-0396	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,054.74	842.77
26 24 16 00-0397		Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	239.61	71.31
26 24 16 00-0399	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	425.50	77.79
26 24 16 00-0400		Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof *(26 24 16 00-0390)*		
26 24 16 00-0401	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	243.58	71.31
26 24 16 00-0402	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	271.56	77.79
26 24 16 00-0403	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	959.04	370.16
26 24 16 00-0404	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,175.54	842.77
26 24 16 00-0405		Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	300.01	71.31
26 24 16 00-0407	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,100.43	778.07
26 24 16 00-0408		Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*		
26 24 16 00-0409	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,255.57	778.07
26 24 16 00-0410	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,448.20	842.77
26 24 16 00-0411	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	8,485.83	1,296.57

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0412		**Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,257.88	778.07
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,553.19	842.77
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	9,329.20	1,296.57
26 24 16 00-0416		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0390)*		
26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,367.74	778.07
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,639.76	842.77
26 24 16 00-0419		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,443.91	778.07
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,573.38	842.77
26 24 16 00-0422		**Residential Type Assembled Load Center** *(26 24 16 00-0389)*		
26 24 16 00-0423		**Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	880.17	370.16
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,070.20	432.40
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	899.16	370.16
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,075.38	432.40
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,556.53	576.32
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,837.32	691.72
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,101.61	798.04
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,314.58	863.91
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,464.63	1,296.57
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,623.84	576.32
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,901.17	691.72
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,165.46	798.04
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,374.98	863.91
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,663.09	1,296.57
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,253.21	1,440.62
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,460.30	1,440.62
26 24 16 00-0440		**Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,166.84	432.40
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,740.08	648.28
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,223.79	432.40
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,791.86	648.28
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,199.98	798.04
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,401.79	864.42
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,938.04	1,037.64
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,533.66	1,296.57
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,260.38	798.04
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,469.90	863.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,169.69	1,036.86
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,766.63	1,296.57
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,304.98	1,440.62
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,512.07	1,440.62
26 24 16 00-0455		**Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,159.94	432.40
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,715.92	648.28
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,978.83	691.72
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,269.80	798.43
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,496.70	864.42
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,306.34	1,152.64
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,996.09	691.72
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,303.52	798.04
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,504.41	863.91
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,211.42	1,152.64
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,030.72	1,440.62
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,375.87	1,440.62
26 24 16 00-0468		**Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,979.91	864.42
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,085.89	1,296.57
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,082.53	863.91
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,189.44	1,296.57
26 24 16 00-0473		**Panel Mounted Accessories And Fuseholders** *(26 24 16 00-0001)*		
26 24 16 00-0474		**Midget Finger-Safe Fuse Holders** *(26 24 16 00-0473)*		
		Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	82.15	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	96.49	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	132.32	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	169.76	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder	194.12	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	243.84	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	285.43	46.68
		Note: With indicators.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	230.29	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder	244.46	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	299.06	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder	96.54	23.34
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder	104.15	23.34
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder	97.94	23.34
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 24 16 00-0488		**Removal And Reinstallation Of Panelboards** *(26 24 16 00-0001)*		
		Note: Includes storage, cleaning and supply materials.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard.	1,627.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*486.21*	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	86.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.28*	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	6.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.22*	

26 24 19 Motor-Control Centers *(26 24)*

26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.

26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,544.96	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	3,013.11	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,480.75	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	8,118.16	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	16,342.67	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	27,491.92	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,544.96	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	3,013.11	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,480.75	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	8,118.16	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,342.67	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	27,491.92	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,684.49	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,908.31	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	7,032.63	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	12,299.67	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	24,201.12	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	41,702.30	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,684.49	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,908.31	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	7,032.63	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	12,299.67	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	24,201.12	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	41,702.30	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,485.73	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,165.63	201.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.83*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	9,071.93	213.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.93*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	16,202.57	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	26,833.45	284.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.59*	

26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,485.73	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	6,165.63	201.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.83*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	9,071.93	213.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.93*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	16,202.57	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	26,833.45	284.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.59*	

26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	5,174.10	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	7,696.79	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	10,533.32	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	19,781.49	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	34,266.20	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	

26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 1 wind.

26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	5,174.10	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	7,696.79	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	10,533.32	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	19,781.49	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	34,266.20	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	

26 24 19 00-0054 230 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, auto-transformer.

26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,648.50	124.39
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	11,706.43	136.23
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	19,725.96	154.00
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	30,509.60	177.69
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	52,189.88	236.92

26 24 19 00-0060 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, auto-transformer.

26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,648.50	124.39
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,706.43	136.23
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	19,725.96	154.00
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	30,509.60	177.69
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	52,189.88	236.92

26 24 19 00-0066 230 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, part winding.

26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	5,231.74	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,756.43	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	11,868.95	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	20,220.31	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	27,776.25	379.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.45*	

26 24 19 00-0072 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, part winding.

26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	5,231.74	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,756.43	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	11,868.95	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	20,220.31	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	27,776.25	379.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.45*	

26 24 19 00-0078 230 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, energy saver.

26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	21,568.05	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	22,882.45	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	25,269.04	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	38,252.08	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	52,165.91	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	70,791.26	379.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.45*	

26 24 19 00-0085 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, energy saver.

26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	21,568.05	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	22,882.45	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	25,269.04	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	38,252.08	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	52,165.91	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	70,791.26	379.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.45*	

26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.

26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,402.03	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,870.17	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	5,980.01	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,012.87	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	19,708.16	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	32,120.07	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,402.03	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,870.17	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	5,980.01	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,012.87	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	19,708.16	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	32,120.07	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,534.32	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,748.47	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	8,498.09	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	15,155.75	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	27,499.01	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	

26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	4,534.32	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	5,748.47	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	8,498.09	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	15,155.75	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	27,499.01	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	

26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 2 wind.

26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,321.07	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,988.89	201.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.83*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,513.25	213.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.93*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	19,024.85	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	30,104.79	284.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.59*	

26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 2 wind.

26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,321.07	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,988.89	201.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.83*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,513.25	213.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.93*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	19,024.85	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	30,104.79	284.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.59*	

26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	6,127.91	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,635.86	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	12,109.56	201.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.83*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	22,723.96	231.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.60*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	37,661.90	272.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.48*	

26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	6,127.91	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,635.86	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	12,109.56	201.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.83*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,723.96	231.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.60*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	37,661.90	272.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.48*	

26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	8,459.70	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	13,618.53	136.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.74*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	23,011.78	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	34,857.70	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	57,349.17	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	8,459.70	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,618.53	136.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.74*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	23,011.78	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	34,857.70	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	57,349.17	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	6,067.08	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,574.87	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	13,300.62	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	23,547.17	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	34,734.17	379.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.45*	

26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	6,067.08	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,574.87	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	13,300.62	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	23,547.17	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	34,734.17	379.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.45*	

26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, energy saving

26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	22,260.94	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	23,568.11	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	25,930.55	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	38,800.12	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	52,590.82	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	73,705.28	379.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.45*	

26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, energy saving

26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	22,260.99	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.42*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	23,568.11	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	25,930.55	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	38,800.12	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	52,590.82	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	73,705.28	379.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.45*	

26 24 19 00-0181 Combination Starters With Fusible Switch *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.

26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,264.91	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,121.75	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,258.15	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,269.76	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,043.80	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,827.99	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,264.91	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,121.75	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,258.15	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,269.76	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,043.80	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,827.99	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,653.11	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,439.45	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,698.48	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,173.14	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,801.33	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,054.83	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,653.11	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,439.45	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,698.48	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,173.14	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,801.33	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,054.83	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,282.93	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,885.57	201.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.83*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,253.00	213.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.93*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,516.42	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,304.73	284.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.59*	

26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,282.93	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,885.57	201.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.83*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,253.00	213.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.93*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,516.42	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,304.73	284.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.59*	

26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 1 wind.

26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,879.56	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,436.05	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,702.32	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,563.22	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	

26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 1 wind.

26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,879.56	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,436.05	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,702.32	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.18*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,563.22	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	

26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Auto-transformer.

26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,385.35	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,031.87	136.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.74*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,705.66	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	28,978.95	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	48,679.53	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Auto-transformer.

26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,385.35	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.63*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,031.87	136.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.74*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,705.66	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	28,978.95	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.62*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	48,679.53	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	

26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Part winding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,263.12	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,964.06	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	11,077.07	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,062.40	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	

26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Part winding.

26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,263.12	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,964.06	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	11,077.07	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,062.40	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	

26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Energy saver.

26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,565.63	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,882.45	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,269.04	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,252.08	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	52,165.91	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	70,791.26	379.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.45*	

26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Energy saver.

26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,565.63	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.40*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,882.45	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.72*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,269.04	219.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.49*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,252.08	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.70*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	52,165.91	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	70,791.26	379.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.45*	

26 24 19 00-0268 Starter Accessories *(26 24 19)*

Note: Additional options or accessories for the Combination Starters

26 24 19 00-0269 Starter Modifications *(26 24 19 00-0268)*

26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	194.20
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	376.63
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	538.38
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	135.20
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	190.73
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	321.10
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	79.67
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	67.60
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	131.54
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	162.63
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	318.09
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	162.63
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	186.55
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	224.82
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	265.48
26 24 19 00-0285	EA	Blank Devices Panel	50.23
26 24 19 00-0286	EA	Oversize Or Special Color Starter	78.93
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	693.24

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable	628.67	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	932.76	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	78.93	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	112.41	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	78.93	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	112.41	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	112.41	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	162.63	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	404.19	
26 24 19 00-0297	EA	Heater Module	82.16	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	510.40	
26 24 19 00-0299	EA	JAM - Jam Protection Module	585.09	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	1,110.43	
26 24 19 00-0301	EA	ULM - Underload Module	532.81	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	117.02	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	219.10	
26 24 19 00-0304	EA	Type SIS Control Wire	92.12	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	117.02	
26 24 19 00-0306	EA	Ring Terminals Power	117.02	
26 24 19 00-0307	EA	14 Gauge Control Wire	92.12	
26 24 19 00-0308	EA	Wiremakers	117.02	
26 24 19 00-0309	EA	Wiring Diagram On Door	69.71	
26 24 19 00-0310	EA	Special Color Or Type Control Wire	84.65	
26 24 19 00-0311	EA	Current Transformer 12.5 VA	664.76	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,123.76	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,390.16	

26 24 19 00-0314 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays	603.10	
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays	712.61	
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays	833.96	
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays	927.88	
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays	801.61	
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays	2,088.88	
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays	2,629.14	
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays	737.25	
26 24 19 00-0323	EA	Phase Voltage, Control Relays	1,254.11	
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays	1,755.36	
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays	171.64	
26 24 19 00-0326	EA	Over-Current Relay, Control Relays	4,750.45	
26 24 19 00-0327	EA	UV-Relay, Control Relays	4,023.44	
26 24 19 00-0328	EA	Over-Current Relay, Control Relays	4,023.44	
26 24 19 00-0329	EA	Teleductor, Control Relays	1,293.11	
26 24 19 00-0330	EA	Current Transducer, Control Relays	3,477.56	
26 24 19 00-0331	EA	Watt Transducer, Control Relays	6,955.12	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x	236.00	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	353.02	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	397.88	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	442.74	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	397.88	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	442.74	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	466.15	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker	482.15	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker	166.54	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker	598.99	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker	2,761.27	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker	1,599.55	

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,689.45	77.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.20*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	2,927.56	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	2,825.50	77.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.20*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,061.22	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,218.79	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,218.72	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.42*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,227.52	165.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.53*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	6,895.77	213.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.88*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	8,106.62	325.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.53*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	11,478.71	491.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*295.20*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	25,192.45	651.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*390.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	37,654.33	817.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*489.97*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	62,848.98	947.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*569.10*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,031.46	77.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.20*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,260.00	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,031.46	77.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.20*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,260.00	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,459.29	77.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.20*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	4,735.67	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	5,878.89	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	3,094.98	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	7,838.75	325.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.53*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	7,838.75	325.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.53*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	10,564.19	355.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.14*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	13,193.86	414.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.66*	
26 24 19 00-0371	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	15,181.03	491.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*295.20*	

26 24 19 00-0372 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

26 24 19 00-0373	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	1,994.69	118.46
26 24 19 00-0374	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,087.69	118.46
26 24 19 00-0375	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	2,922.22	148.07
26 24 19 00-0376	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	4,753.75	177.69
26 24 19 00-0377	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	9,373.63	225.07
26 24 19 00-0378	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	13,148.64	296.15
26 24 19 00-0379	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	31,987.83	396.84
26 24 19 00-0380	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	36,087.36	550.84

26 24 19 00-0381 Dry Type Distribution Transformers *(26 24 19 00-0268)*

26 24 19 00-0382	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,631.13	
26 24 19 00-0383	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,683.74	
26 24 19 00-0384	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,738.75	
26 24 19 00-0385	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	1,994.66	
26 24 19 00-0386	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,162.08	
26 24 19 00-0387	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,671.50	
26 24 19 00-0388	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	2,941.77	
26 24 19 00-0389	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,314.87	
26 24 19 00-0390	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	7,706.00	
26 24 19 00-0391	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	4,089.77	
26 24 19 00-0392	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	5,665.89	
26 24 19 00-0393	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	8,830.09	
26 24 19 00-0394	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	8,177.16	
26 24 19 00-0395	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	11,331.78	
26 24 19 00-0396	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	12,772.43	
26 24 19 00-0397	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	17,692.19	

26 24 19 00-0398 Metering Equipment *(26 24 19 00-0268)*

26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type	770.12	
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type	1,683.74	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel	693.59	
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type	1,683.74	
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch	935.15	
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits	992.55	
26 24 19 00-0405	EA	Add For Additional Circuits	136.94	
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter	3,472.72	
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor	3,637.75	
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour	3,207.24	
26 24 19 00-0409	EA	Add For Demand Attachment	896.31	
26 24 19 00-0410	EA	800 Amperes, Metering Equipment, Current Transformer	959.06	
26 24 19 00-0411	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,655.04	
26 24 19 00-0412	EA	2,000 Amperes, Metering Equipment, Current Transformer	1,927.70	
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer	1,607.21	
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester	1,729.19	
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System	1,322.60	

26 24 19 00-0416 Current Limiting Reactors *(26 24 19 00-0268)*

26 24 19 00-0417	EA	600 Amperes, Current Limiting Reactors	29,520.52	
26 24 19 00-0418	EA	800 Amperes, Current Limiting Reactors	42,990.46	
26 24 19 00-0419	EA	1,000 Amperes, Current Limiting Reactors	56,491.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0420	EA	1,200 Amperes, Current Limiting Reactors	85,990.50	
26 24 19 00-0421		**Incoming Line Cable Space Requirements, Main Lugs Only** *(26 24 19 00-0268)*		
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	523.90	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	523.90	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	724.28	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,325.43	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	724.28	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	924.66	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	924.66	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,323.02	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	924.66	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,323.02	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,125.05	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,647.96	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,125.05	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,323.02	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,647.96	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,647.96	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box	1,190.71	
26 24 19 00-0439	EA	Throat And Transition To Substation	2,298.64	
26 24 19 00-0440	EA	Service Entrance Label	497.80	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition	1,040.54	
26 24 19 00-0442	EA	600 Amperes, Sub Feed Lugs On Main Bus	595.05	
26 24 19 00-0443		**Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width	328.72	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	328.72	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth	1,016.89	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth	1,146.96	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space	98.14	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof	264.86	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	55.57	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space	238.85	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control	724.52	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High	238.85	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	468.07	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	6,677.52	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	7,718.23	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,725.70	
26 24 19 00-0458		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	710.74	355.38
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	1,066.10	533.08
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	1,184.60	592.31
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,421.65	710.77
26 24 19 00-0463	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	118.46	59.23
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	710.74	355.38
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	1,066.10	533.08
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	1,184.60	592.31
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,421.65	710.77
26 24 19 00-0468	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	118.46	59.23
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	829.24	414.61
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	1,066.10	533.08
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,421.65	710.77
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,658.24	829.11
26 24 19 00-0473	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	177.69	88.84
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	947.68	473.84
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,303.17	651.54
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,658.24	829.11
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,895.04	947.57
26 24 19 00-0478	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	236.92	118.46
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	947.68	473.84
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,421.65	710.77
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,776.72	888.34
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	2,013.96	1,007.03
26 24 19 00-0483	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	236.92	118.46
26 24 19 00-0484		**Motor Control Centers** *(26 24 19)*		
26 24 19 00-0485		**2.4 KV Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	18,002.81	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	18,002.81	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	18,002.81	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	18,062.08	266.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.93*	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	19,182.67	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0491	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	19,241.88	325.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.46*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	19,301.10	355.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.22*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	19,419.60	414.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.77*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	19,538.04	473.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.30*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	32,886.28	533.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*319.83*	
26 24 19 00-0496	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	35,299.09	592.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*355.38*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	26,704.05	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	27,820.28	254.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.82*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	31,605.02	278.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.03*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	35,178.53	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	38,275.23	343.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*206.13*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	41,935.59	367.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.34*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	45,593.79	390.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.54*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	49,934.07	426.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*255.88*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	58,106.07	473.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.30*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	62,953.41	503.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.09*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	96,130.53	592.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*355.38*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	102,424.44	651.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*390.95*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	107,903.46	710.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*426.50*	
26 24 19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	117,495.21	770.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*462.08*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	25,196.66	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.15*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	25,255.93	266.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.93*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	25,315.13	296.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.69*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	25,374.34	325.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.46*	
26 24 19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	25,437.85	355.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.22*	
26 24 19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	25,497.13	384.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.01*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	25,556.35	414.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.77*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	25,793.21	533.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*319.83*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	43,929.57	592.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*355.38*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	44,048.14	651.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*390.95*	
26 24 19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	46,448.06	710.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*426.50*	
26 24 19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP	9,907.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	10,207.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP	15,621.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	

26 24 19 00-0525 4.8 KV Motor Control Centers *(26 24 19 00-0484)*

26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	19,601.29	355.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.22*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	19,660.57	384.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.01*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	19,719.79	414.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.77*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	19,779.05	444.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*266.55*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	20,888.90	473.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.30*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	20,948.20	503.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.09*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	21,007.32	533.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*319.83*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	21,066.65	562.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.63*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	21,125.82	592.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*355.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	35,772.67	770.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*462.08*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	35,890.66	829.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*497.47*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	38,292.73	888.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*533.02*	
26 24 19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	38,411.05	947.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*568.51*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	27,245.42	355.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.22*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	27,604.90	384.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.01*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	32,188.41	414.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.77*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	35,774.91	444.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*266.55*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	38,835.99	473.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.30*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	42,508.30	503.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.09*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	45,955.28	533.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*319.83*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	50,506.75	562.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.63*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	58,499.52	592.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*355.38*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	63,932.19	621.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*373.16*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	69,424.08	681.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*408.71*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	73,962.65	710.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*426.50*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	78,243.73	740.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*444.23*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	84,231.98	770.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*462.08*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	133,496.36	947.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*568.51*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	148,453.26	1,007.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*604.19*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	178,429.72	1,066.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*639.66*	
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	188,732.68	1,066.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*639.66*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	26,909.35	414.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.77*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	26,968.61	444.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*266.55*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	27,027.79	473.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*284.30*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	27,087.09	503.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.09*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	29,406.22	533.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*319.83*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	29,465.55	562.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.63*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	29,524.72	592.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*355.38*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	29,583.98	621.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*373.16*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	29,643.29	651.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*390.95*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	29,998.36	829.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*497.47*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	48,434.88	888.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*533.02*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	50,826.07	947.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*568.51*	
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	50,826.07	947.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*568.51*	
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP	11,125.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP	11,463.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP	17,559.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.08*	

26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0484)*

26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	14,476.60	236.92
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	17,395.75	355.38
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,700.09	
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters	272.98	17.77
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused	1,651.36	
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	886.04	
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,638.80	
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each	169.00	
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each	560.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0583	EA	2.4/4.8 KV Indicating Light	169.00	
26 24 19 00-0584	EA	2.4/4.8 KV Push To Test Light	511.82	
26 24 19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,361.65	
26 24 19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,361.65	
26 24 19 00-0587	EA	2.4/4.8 KV Power Factor Meter	4,072.87	
26 24 19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,807.79	
26 24 19 00-0589	EA	2.4/4.8 KV Operation Counter	547.35	17.77
26 24 19 00-0590	EA	2.4/4.8 KV Phase Failure Protection	3,937.83	59.23
26 24 19 00-0591	EA	2.4/4.8 KV Ground Protection	7,524.15	29.61
26 24 19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,983.94	29.61
26 24 19 00-0593	EA	2.4/4.8 KV Lightning Arresters	5,495.56	17.77
26 24 19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism	7,958.93	
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay	711.47	59.23
26 24 19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay	510.61	59.23

26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0484)*

Note: 3 Pole. Includes structure.

26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,365.04	355.25
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	2,367.93	628.83
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,825.52	805.16
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,539.01	1,296.57
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	5,344.36	1,426.22
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	6,920.70	1,581.81
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	8,053.33	1,854.09
26 24 19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	14,019.10	2,160.07

26 24 19 00-0606 Main Lugs Only *(26 24 19 00-0484)*

26 24 19 00-0607	EA	600 Amperes Incoming Section, Main Lugs	1,073.49	453.80
26 24 19 00-0608	EA	800 Amperes Incoming Section, Main Lugs	1,165.28	453.80
26 24 19 00-0609	EA	1,200 Amperes Incoming Section, Main Lugs	1,630.78	713.11
26 24 19 00-0610	EA	2,000 Amperes Incoming Section, Main Lugs	4,040.16	1,296.57
26 24 19 00-0611	EA	3,000 Amperes Incoming Section, Main Lugs	6,149.91	1,880.01
26 24 19 00-0612	EA	4,000 Amperes Incoming Section, Main Lugs	8,790.27	2,593.13

26 24 19 00-0613 Incoming Main Circuit Breaker Structure *(26 24 19 00-0484)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0614	EA	225 Amperes, Main Circuit Breaker Section	7,384.01	627.41
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	400 Amperes, Main Circuit Breaker Section	15,706.72	805.95
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	600 Amperes, Main Circuit Breaker Section	16,282.68	1,255.33
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	800 Amperes, Main Circuit Breaker Section	23,167.63	1,255.33
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0618	EA	1,200 Amperes, Main Circuit Breaker Section	33,556.76	1,420.39
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0619 Incoming Fusible Main Disconnect Section *(26 24 19 00-0484)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0620	EA	200 Amperes, Fusible Main Disconnect Section	6,406.51	628.19
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	400 Amperes, Fusible Main Disconnect Section	8,849.37	806.34
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	600 Amperes, Fusible Main Disconnect Section	17,307.82	1,256.38
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	800 Amperes, Fusible Main Disconnect Section	20,132.15	1,256.38
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0624	EA	1,200 Amperes, Fusible Main Disconnect Section	28,374.94	1,421.69
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0625 Circuit Breaker Combination Starters *(26 24 19 00-0484)*

26 24 19 00-0626 Class I, Type A *(26 24 19 00-0625)*

26 24 19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	1,140.29	263.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.06*	
26 24 19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,326.75	263.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.22*	
26 24 19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,926.60	373.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.55*	
26 24 19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	3,139.57	491.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*294.68*	
26 24 19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	5,629.88	614.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*368.34*	

26 24 19 00-0632 Class I, Type B *(26 24 19 00-0625)*

26 24 19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	1,079.62	229.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*129.66*	
26 24 19 00-0634	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	1,259.37	229.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.01*	
26 24 19 00-0635	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,846.35	331.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.47*	
26 24 19 00-0636	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	3,057.71	449.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.12*	
26 24 19 00-0637	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	5,563.87	574.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*348.54*	

26 24 19 00-0638 Class I, Type C *(26 24 19 00-0625)*

26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	1,138.07	212.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.44*	
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,329.31	212.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.93*	
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,975.33	317.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.67*	
26 24 19 00-0642	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	3,194.07	439.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.53*	
26 24 19 00-0643	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	5,690.60	564.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.65*	

26 24 19 00-0644 Class II, Type B *(26 24 19 00-0625)*

26 24 19 00-0645	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	1,142.82	315.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.10*	
26 24 19 00-0646	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,577.31	315.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*198.86*	
26 24 19 00-0647	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	2,234.04	420.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.27*	
26 24 19 00-0648	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	3,644.21	538.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.14*	
26 24 19 00-0649	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	6,565.62	657.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*395.29*	

26 24 19 00-0650 Class II, Type C *(26 24 19 00-0625)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0651	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,424.04	298.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.60*	
26 24 19 00-0652	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,634.64	298.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.29*	
26 24 19 00-0653	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	2,369.54	407.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.72*	
26 24 19 00-0654	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	3,771.05	525.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*314.70*	
26 24 19 00-0655	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	6,710.43	648.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*390.53*	

26 24 19 00-0656 Fused Disconnect Combination Starter *(26 24 19 00-0484)*

26 24 19 00-0657 Class I, Type A *(26 24 19 00-0656)*

26 24 19 00-0658	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	1,041.43	242.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.01*	
26 24 19 00-0659	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,567.86	331.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*198.86*	
26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	2,485.32	431.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.31*	
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	3,400.95	605.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*364.20*	
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	5,937.74	771.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*463.06*	

26 24 19 00-0663 Class I, Type B *(26 24 19 00-0656)*

26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	1,058.36	216.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*129.66*	
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,425.78	296.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.10*	
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	2,106.63	396.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*238.34*	
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	3,517.74	573.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*344.83*	
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	6,036.67	728.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*438.03*	

26 24 19 00-0669 Class I, Type C *(26 24 19 00-0656)*

26 24 19 00-0670	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	1,118.26	202.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.40*	
26 24 19 00-0671	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,503.53	274.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.22*	
26 24 19 00-0672	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	2,286.61	382.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.53*	
26 24 19 00-0673	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	3,696.49	564.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.65*	
26 24 19 00-0674	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	5,712.74	720.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*432.19*	

26 24 19 00-0675 Class II, Type B *(26 24 19 00-0656)*

26 24 19 00-0676	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	1,337.13	303.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.10*	
26 24 19 00-0677	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,726.37	378.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.67*	
26 24 19 00-0678	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	2,498.93	487.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*292.02*	
26 24 19 00-0679	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	4,059.32	657.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*395.29*	
26 24 19 00-0680	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	6,939.07	820.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*491.12*	

26 24 19 00-0681 Class II, Type C *(26 24 19 00-0656)*

26 24 19 00-0682	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	1,386.23	285.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.60*	
26 24 19 00-0683	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,803.68	357.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.67*	
26 24 19 00-0684	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	2,649.00	465.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.43*	
26 24 19 00-0685	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	4,219.99	641.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*385.88*	
26 24 19 00-0686	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	7,093.63	794.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*476.68*	

26 24 19 00-0687 Space Complete With Bus And Hardware *(26 24 19 00-0484)*

26 24 19 00-0688 Circuit Breaker Type *(26 24 19 00-0687)*

26 24 19 00-0689	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	322.18	88.16
26 24 19 00-0690	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	322.18	88.16
26 24 19 00-0691	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	478.75	128.36
26 24 19 00-0692	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	568.51	168.56
26 24 19 00-0693	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	953.93	256.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0694		**Fused Disconnect Type** *(26 24 19 00-0687)*		
26 24 19 00-0695	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	322.18	88.16
26 24 19 00-0696	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	427.34	128.36
26 24 19 00-0697	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	593.67	168.56
26 24 19 00-0698	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	1,024.14	256.72
26 24 19 00-0699	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,427.89	373.41
26 24 19 00-0700		**Blank Space For Future Expansion** *(26 24 19 00-0687)*		
		Note: Factory modified no labor costs.		
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	146.50	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	146.50	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	222.11	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	222.11	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	441.86	
26 24 19 00-0706		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0687)*		
26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	3,746.35	682.38
26 24 19 00-0708		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0484)*		
26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway	6,286.27	1,777.07
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0710	EA	25" To 35" Wide Basic Section (No Vertical Wireway)	6,286.27	1,777.07
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	6,930.05	1,777.07
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0712	EA	Corner Section	6,930.05	1,777.07
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0713		**Motor Control Center Starters With HMCP Circuit Breaker** *(26 24 19 00-0484)*		
		Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714		**FVNR Starters With HMCP Circuit Breaker** *(26 24 19 00-0713)*		
26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,619.33	249.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.74*	
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,802.33	276.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.08*	
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	3,118.68	372.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.29*	
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	4,520.78	490.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*294.41*	
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	10,277.60	613.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*367.92*	
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	23,992.33	613.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*367.92*	
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,632.87	215.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*129.52*	
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,841.56	243.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.85*	
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	3,185.87	331.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.14*	
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	4,521.35	449.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*269.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	10,295.04	580.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*348.54*	
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	24,157.34	580.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*348.54*	

26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,588.70	312.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.37*	
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,173.81	345.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.34*	
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,224.64	464.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.63*	
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,977.77	613.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*368.34*	
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	16,194.35	768.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*460.86*	
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,626.55	269.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*161.80*	
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,238.51	304.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.45*	
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,315.70	415.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*249.34*	
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,998.52	562.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.65*	
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	16,234.75	726.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*436.06*	

26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,834.84	312.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.37*	
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	4,028.72	345.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.34*	
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,592.45	464.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.63*	
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	10,338.07	613.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*368.34*	
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	20,698.61	768.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*460.86*	
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,872.69	269.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*161.80*	
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	4,093.42	304.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.45*	
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,683.52	415.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*249.34*	
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	10,358.82	562.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.65*	
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	20,739.01	726.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*436.06*	

26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect *(26 24 19 00-0484)*

Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure.
Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0750 FVNR Starters With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,308.79	243.36
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,706.77	330.75
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,839.36	430.98
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	4,781.32	607.05
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	9,582.29	771.71
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	24,225.66	771.71
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,333.56	215.75
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,744.49	296.26
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,919.42	397.27
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	4,798.80	574.77
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	9,580.90	730.10
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	24,371.95	730.10

26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,248.55	304.69
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,132.35	413.47
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,844.39	538.46
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	10,134.86	760.95
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	16,470.32	890.48
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,300.56	269.69
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,193.19	370.04
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,950.49	497.11
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	10,170.39	717.13
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	16,491.87	839.79

26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,619.39	304.69
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,000.39	413.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,236.82	538.46
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,633.69	760.95
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	20,058.96	890.48
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,672.50	269.69
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,061.23	370.04
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,342.92	497.11
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,669.22	717.13
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	20,080.52	839.79

26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit *(26 24 19 00-0484)*

Note: Per section. Labor is included in basic distribution section.

26 24 19 00-0786	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit	281.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.74*	
26 24 19 00-0787	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit	345.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.74*	
26 24 19 00-0788	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit	415.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.69*	
26 24 19 00-0789	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit	539.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.69*	
26 24 19 00-0790	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit	905.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.64*	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	161.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	

26 24 19 00-0792 Disconnect (Safety) Switch For Motor Control Centers *(26 24 19 00-0484)*

26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center *(26 24 19 00-0792)*

Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).

26 24 19 00-0794	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,065.35	187.36
26 24 19 00-0795	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,871.29	207.45
26 24 19 00-0796	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,281.41	279.41
26 24 19 00-0797	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	3,791.07	368.22
26 24 19 00-0798	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	6,560.00	460.28
26 24 19 00-0799	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	7,487.06	460.28
26 24 19 00-0800	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	15,446.01	576.32

26 24 19 00-0801 Fusible Disconnect (Safety) Switch For Motor Control Center *(26 24 19 00-0792)*

Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).

26 24 19 00-0802	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	905.82	182.17
26 24 19 00-0803	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	1,070.93	248.29
26 24 19 00-0804	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,465.61	317.66
26 24 19 00-0805	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,720.16	455.09
26 24 19 00-0806	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	4,811.93	578.79
26 24 19 00-0807	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	10,981.70	578.79
26 24 19 00-0808	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	13,576.57	723.49
26 24 19 00-0809	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	20,035.15	723.49

26 24 19 00-0810 Control Circuit Transformer *(26 24 19 00-0484)*

26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed	78.16	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed	78.16	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed	150.52	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed	150.52	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed	209.11	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	59.27	14.67

26 24 19 00-0817 Cover Mounted Control Devices *(26 24 19 00-0484)*

26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted	132.18	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.21*	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	148.58	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.26*	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted	124.41	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.14*	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	339.23	88.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.14*	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter	403.63	33.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.15*	

26 24 19 00-0823 Extra Interlocks *(26 24 19 00-0484)*

Note: Per contact.

26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact	86.21	16.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.14*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact	118.88	16.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.14*	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact	131.78	16.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.13*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact	118.50	16.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.11*	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact	124.94	16.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0829		Special Cabinet Provisions *(26 24 19 00-0484)*		
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	978.41	
26 24 19 00-0831		Nameplate Requirements *(26 24 19 00-0484)*		
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements	34.74	
26 24 19 00-0833		Auxiliary Relays *(26 24 19 00-0484)*		
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	193.57	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	183.12	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	105.12	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 24 19 00-0837		Motor Control Center Accessories *(26 24 19 00-0484)*		
26 24 19 00-0838		Lighting Transformer With Circuit Breaker *(26 24 19 00-0837)* Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,697.79	415.55
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,924.02	432.16
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,480.99	465.41
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	8,140.23	498.65
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	10,933.90	531.89
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	13,426.85	598.38
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	17,632.49	664.87
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,311.81	548.52
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,203.45	598.38
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	12,812.02	664.87
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	13,594.29	731.36
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,394.81	797.85
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,919.77	864.34
26 24 19 00-0852		Bolt-On Lighting Panel *(26 24 19 00-0837)* Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,410.86	674.73
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,760.01	1,174.43
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	4,997.09	1,588.94
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,521.49	730.10
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,710.03	1,149.41
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	5,195.70	1,688.26
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,065.83	782.61
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	5,415.45	1,256.38
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	6,767.68	1,688.26
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,188.93	844.06
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	5,415.45	1,256.38
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	6,876.60	1,742.71
26 24 19 00-0865		Factory Installed Bolt-On Branch Circuit Breaker *(26 24 19 00-0837)* Note: For MCC lighting panel only.		
26 24 19 00-0866	EA	15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker	27.70	
26 24 19 00-0867	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	301.53	
26 24 19 00-0868	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	54.14	
26 24 19 00-0869	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	124.65	
26 24 19 00-0870	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	146.05	
26 24 19 00-0871	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	221.60	
26 24 19 00-0872		Blank Unit Door (BUD) *(26 24 19 00-0837)* Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	80.41	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	96.49	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	144.73	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	192.98	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	289.47	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	337.71	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	385.96	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 13 Low-Voltage Busways *(26 25)*

26 25 13 00-0001		Plug-In Bus Duct *(26 25 13)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002		600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	291.82	38.90
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	410.08	38.90
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	518.30	51.87
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	711.61	51.87
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	750.97	64.82
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,041.27	64.82
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,216.16	68.07
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,477.02	70.01
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,819.22	73.90
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,100.84	86.22
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,429.53	94.00
26 25 13 00-0014		**277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** *(26 25 13 00-0001)*		
26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	470.02	38.90
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	675.44	38.90
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	763.70	51.87
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	968.79	51.87
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,180.03	64.82
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,525.12	64.82
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,969.03	67.16
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,368.31	70.01
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,933.43	73.25
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,386.50	86.22
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,923.87	94.00
26 25 13 00-0026		**Cable Tap Boxes** *(26 25 13 00-0001)*		
26 25 13 00-0027		**600 Volt, 3-Phase, 3-Wire, Copper Conductors** *(26 25 13 00-0026)*		
26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,359.37	181.52
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,443.92	181.52
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,645.47	246.35
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,819.06	246.35
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,026.05	324.14
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,316.39	324.14
26 25 13 00-0034		**277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** *(26 25 13 00-0026)*		
26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,443.92	356.56
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,660.34	356.56
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,847.49	486.21
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,200.43	486.21
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,371.14	648.28
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,833.28	648.28
26 25 13 00-0041		**Bus Duct Plug-In Circuit Breaker** *(26 25 13 00-0001)*		
26 25 13 00-0042		**240 Volt, 3-Phase** *(26 25 13 00-0041)*		
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,072.00	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.93*	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,114.88	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.05*	
26 25 13 00-0045		**600 Volt, 3-Phase** *(26 25 13 00-0041)*		
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,047.80	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.93*	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,652.09	129.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.05*	
26 25 13 00-0048		**120/208 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,234.24	155.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.04*	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,476.07	155.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.30*	
26 25 13 00-0051		**277/480 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,408.54	155.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.04*	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,158.60	155.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.30*	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,183.75	538.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.20*	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,580.91	538.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*506.47*	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	8,519.19	1,555.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*704.66*	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	10,788.77	1,555.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,246.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0058		Bus Duct Plug-In Fusible Switch *(26 25 13 00-0001)*		
26 25 13 00-0059		240 Volt, 3-Pole, 3-Fuse *(26 25 13 00-0058)*		
26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,069.60	129.66
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,176.89	129.66
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,623.27	155.59
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,741.99	311.17
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,908.20	700.15
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,363.58	1,218.77
26 25 13 00-0066		600 Volt, 3-Pole, 3-Fuse *(26 25 13 00-0058)*		
26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,109.40	142.62
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,214.08	142.62
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,634.65	142.62
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,805.88	298.21
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,873.57	674.21
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,609.15	1,296.57
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,330.28	1,685.53
26 25 13 00-0074		120/208 Volt, 4-pole, 3 Fuse *(26 25 13 00-0058)*		
26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,236.98	168.56
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,331.34	168.56
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,799.68	168.56
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,050.02	350.07
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,587.18	777.94
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,050.57	1,192.84
26 25 13 00-0081		277/480 Volt, 4-pole, 3-Fuse *(26 25 13 00-0058)*		
26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,277.07	168.56
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,371.42	143.02
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,918.15	194.48
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,176.89	350.07
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,587.18	777.94
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,050.57	1,192.84
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,441.97	1,581.81
26 25 16		**Low-Voltage Cablebus Systems** *(26 25)*		
26 25 16 00-0001		Feeder Bus Duct *(26 25 16)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 16 00-0002		600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)* Note: Copper conductors.		
26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	849.30	54.45
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	861.45	54.45
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,125.44	54.45
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,350.41	54.45
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,649.75	54.45
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,251.70	129.66
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,109.87	129.66
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,679.43	129.66
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,530.30	129.66
26 25 16 00-0012		277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)* Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	972.54	58.34
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	988.66	58.34
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,270.52	58.34
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,506.01	58.34
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,818.65	58.34
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,792.51	99.84
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,502.08	99.84
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,144.12	185.41
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,108.47	185.41
26 27		**Low-Voltage Distribution Equipment** *(26 20)*		
26 27 13		**Electricity Metering** *(26 27)*		
26 27 13 00-0001		Revenue Metering *(26 27 13)*		
26 27 13 00-0002		Meter Socket Base *(26 27 13 00-0001)* Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.		
26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	293.10	84.27
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	310.62	84.27
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	346.61	94.00
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	357.86	94.00
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	400.14	103.72
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	405.12	103.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,041.05	164.66
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,328.74	184.11
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	2,881.42	203.56
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,951.48	648.28
26 27 13 00-0013		**Meter Device** *(26 27 13 00-0001)*		
		Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.		
26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	288.96	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	341.48	26.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	417.58	27.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.34*	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	813.47	27.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.56*	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,138.98	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.53*	
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,846.88	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 27 13 00-0020		**Current Transformer Enclosure** *(26 27 13 00-0001)*		
26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	606.80	168.56
26 27 13 00-0022		**120/240 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0023		**800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,125.67	81.04
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,481.17	97.24
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,834.79	113.45
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,126.06	129.66
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,766.86	145.86
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,988.21	162.07
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,487.62	194.48
26 27 13 00-0031		**1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,070.38	81.04
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,726.30	97.24
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,754.75	129.66
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,165.02	145.86
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	5,236.61	162.07
26 27 13 00-0037		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,723.31	113.45
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,262.10	129.66
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,766.86	145.86
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,252.73	162.07
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,097.60	178.28
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,300.06	194.48
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,328.47	226.90
26 27 13 00-0045		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,664.24	113.45
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,490.21	129.66
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,915.41	162.07
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,269.03	178.28
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,737.35	194.48
26 27 13 00-0051		**120/208 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0052		**800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,226.10	97.24
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,602.39	113.45
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,976.80	129.66
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,294.51	145.86
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,818.16	162.07
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,039.52	178.28
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,746.76	210.70
26 27 13 00-0060		**1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,178.37	97.24
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,872.09	113.45
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,146.13	145.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0064	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,556.42	162.07
26 27 13 00-0065	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,514.68	178.28
26 27 13 00-0066		**800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0067	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,823.77	129.66
26 27 13 00-0068	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,370.10	145.86
26 27 13 00-0069	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,931.56	162.07
26 27 13 00-0070	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,417.44	178.28
26 27 13 00-0071	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,300.11	194.48
26 27 13 00-0072	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,502.53	210.70
26 27 13 00-0073	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,606.57	243.10
26 27 13 00-0074		**1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0075	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,791.15	129.66
26 27 13 00-0076	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,673.80	145.86
26 27 13 00-0077	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,269.06	178.28
26 27 13 00-0078	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,509.29	194.48
26 27 13 00-0079	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,996.55	210.70
26 27 13 00-0080		**120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0081		**800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,125.67	81.04
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,481.17	97.24
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,126.06	129.66
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,766.86	145.86
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,422.78	162.07
26 27 13 00-0087		**1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,070.38	81.04
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,726.29	97.24
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,943.67	129.66
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,353.97	145.86
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,236.61	162.07
26 27 13 00-0093		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,723.31	113.45
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,262.10	129.66
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,252.73	162.07
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,097.60	178.28
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,300.06	194.48
26 27 13 00-0099		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0100	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,664.25	113.45
26 27 13 00-0101	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,490.21	129.66
26 27 13 00-0102	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,915.41	162.07
26 27 13 00-0103	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,269.03	178.28
26 27 13 00-0104	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,737.40	194.48
26 27 13 00-0105		**120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0106		**800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,226.10	97.24
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,602.39	113.45
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,294.51	145.86
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,007.10	162.07
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,417.41	178.28
26 27 13 00-0112		**1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,178.36	97.24
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,872.08	113.45
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,957.19	145.86
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,367.48	162.07
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,514.65	178.28

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0118		**800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,823.75	129.66
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,370.08	145.86
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,417.41	178.28
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,300.06	194.48
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,502.53	210.70
26 27 13 00-0124		**1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,791.13	129.66
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,673.78	145.86
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,269.03	178.28
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,509.29	194.48
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,996.55	210.70
26 27 13 00-0130		**Watt/Hour Meters** *(26 27 13)*		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,293.91	77.79
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,645.70	155.59
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,936.67	116.69
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,368.18	116.69
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	2,000.06	116.69
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,354.02	107.61
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,314.93	194.48
26 27 13 00-0138		**Watt/Hour Meter Systems** *(26 27 13)* Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139		**Watt/Hour Meter System Without Main Breaker** *(26 27 13 00-0138)*		
26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,936.38	778.07
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,954.73	778.07
26 27 13 00-0142		**Watt/Hour Meter System With Main Breaker** *(26 27 13 00-0138)*		
26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,407.47	778.07
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,628.04	778.07
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	13,569.77	778.07
26 27 16		**Electrical Cabinets and Enclosures** *(26 27)* Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		**NEMA 1 Enclosures, Lockable** *(26 27 16)*		
26 27 16 00-0002		**Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0003		**4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	82.13	25.93
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	92.12	28.53
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	102.19	31.11
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	119.31	36.31
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	129.96	38.90
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	141.39	41.49
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	140.99	41.49
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	152.70	44.08
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.00	46.68
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	213.96	62.24
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	259.54	75.21
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	246.56	72.61
26 27 16 00-0016		**6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	102.97	31.11
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	125.03	36.31
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	149.25	44.08
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	161.25	46.68
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	173.50	49.27
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	186.31	51.87
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	236.57	67.42
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	286.80	82.98
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	276.58	80.39
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	360.20	103.72
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	462.43	119.29
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	528.48	129.66
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	588.39	137.43
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	641.82	142.62
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	439.28	103.72
26 27 16 00-0032		**Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0033		**3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	56.45	18.15
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	80.67	25.93
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.97	28.53
26 27 16 00-0037		**4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	63.14	20.74
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	78.27	25.93
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	87.42	28.53
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	96.71	31.11
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	112.85	36.31
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	122.57	38.90
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	132.79	41.49
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	132.42	41.49
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	143.08	44.08
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	154.04	46.68
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	201.55	62.24
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	249.78	77.79
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	231.79	72.61
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	300.21	93.35
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	432.62	116.69
26 27 16 00-0053		**6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	97.24	31.11
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	107.24	33.71
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	123.61	38.90
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	140.34	44.08
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	151.15	46.68
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	162.07	49.27
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	173.44	51.87
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	222.12	67.42
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	272.91	82.98
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	259.44	80.39
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	337.30	103.72
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	420.80	119.29
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	481.96	129.66
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	520.25	137.43
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	568.72	142.62
26 27 16 00-0069		**8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	140.34	44.08
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	191.32	57.05
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	243.22	72.61
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	301.91	90.76
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	288.61	88.16
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	357.52	108.92
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	398.83	124.47
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	462.06	132.25
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	531.45	142.62
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	565.41	150.40
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	593.91	155.59
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	609.45	155.59
26 27 16 00-0082		**10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	327.48	98.54
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	430.87	127.06
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	436.41	134.84
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	564.83	145.22
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	649.75	160.77
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	720.52	165.96
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	768.47	173.74
26 27 16 00-0090		**12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	475.67	140.03
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	474.13	147.81
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	621.07	160.77
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	709.28	176.33
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	795.28	184.11
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	838.71	191.90
26 27 16 00-0097		**NEMA 1 Enclosures For Up To 6 Boards, Lockable** *(26 27 16)*		
26 27 16 00-0098		**4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures** *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	1,265.73	114.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0100		NEMA 12 Enclosures, Lockable *(26 27 16)* Note: Dust-tight enclosures.		
26 27 16 00-0101		Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0102		4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	117.31	20.74
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	152.71	28.53
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	188.89	36.31
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	204.52	38.90
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	229.65	41.49
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	247.41	44.08
26 27 16 00-0109		6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	169.56	31.11
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	186.83	33.71
26 27 16 00-0112		Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0113		4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	238.69	20.74
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	285.99	28.53
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	323.51	31.11
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	370.07	36.31
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	380.49	38.90
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	449.75	41.49
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	482.96	44.08
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	549.87	46.68
26 27 16 00-0122		6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	348.51	31.11
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	394.11	33.71
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	429.41	38.90
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	507.82	46.68
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	551.39	51.87
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	766.10	67.42
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,187.25	103.72
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,556.59	119.29
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,755.41	129.66
26 27 16 00-0132		8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,622.39	132.25
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,870.58	142.62
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,056.75	150.40
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,268.55	155.59
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,237.13	155.59
26 27 16 00-0138		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0139		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0138)*		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,178.69	210.70
26 27 16 00-0141		10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0138)*		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,246.78	233.38
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,314.05	249.59
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,562.92	311.17
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,676.77	366.93
26 27 16 00-0146		12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0138)*		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,721.50	366.93
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,609.03	388.97
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,780.10	414.90
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,795.42	414.90
26 27 16 00-0151		NEMA 3 Enclosures, Lockable *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0151)*		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	348.01	90.76
26 27 16 00-0154		3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0151)*		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	374.36	90.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	480.58	94.00
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	498.51	94.00
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	628.40	97.24
26 27 16 00-0159		**4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	475.74	94.00
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	522.61	94.00
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	544.85	97.24
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	688.84	97.24
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	757.56	103.72
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	815.60	110.21
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	849.85	110.21
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,012.44	113.45
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,099.03	116.69
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,507.85	129.66
26 27 16 00-0170		**6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	727.76	100.49
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	918.53	113.45
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,077.97	116.69
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,243.88	119.93
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,324.66	119.93
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,507.42	129.66
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,744.10	145.86
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,643.24	139.38
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,196.10	259.32
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,551.25	324.14
26 27 16 00-0181		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,336.92	123.17
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,013.06	162.07
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,046.05	162.07
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,769.29	243.10
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,654.36	259.32
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	9,296.55	453.80
26 27 16 00-0188		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,875.13	324.14
26 27 16 00-0190		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	7,510.42	388.97
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,172.33	356.56
26 27 16 00-0193		**NEMA 3R Enclosures, Lockable** *(26 27 16)*		
		Note: Rain-tight enclosures.		
26 27 16 00-0194		**Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0195		**4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	110.17	25.93
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	121.65	28.53
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	181.35	31.11
26 27 16 00-0199		**6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	228.32	38.90
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	255.07	44.08
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	299.56	49.27
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	324.02	51.87
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	421.87	67.42
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	504.20	82.98
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	574.87	103.72
26 27 16 00-0207		**8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	876.06	132.25
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	972.08	142.62
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,095.46	150.40
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,152.50	155.59
26 27 16 00-0212		**10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,086.66	160.77
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,227.55	181.52
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,358.98	200.97
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,497.27	221.71
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,630.01	241.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	704.80	127.06
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,086.66	160.77
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,289.53	165.96
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,635.78	181.52
26 27 16 00-0222		**12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,057.31	128.36
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,185.51	143.92
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,312.43	159.48
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,451.63	176.33
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,579.83	191.90
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	789.92	95.95
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,057.31	128.36
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,185.51	143.92
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,395.79	168.56
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,579.83	191.90
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,500.72	189.30
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,579.83	191.90
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,664.75	197.08
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,855.81	207.45
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	2,013.63	217.82
26 27 16 00-0238		**Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0239		**4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	79.85	20.74
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	96.31	25.93
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	106.37	28.53
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	118.06	31.11
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	137.06	36.31
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	149.54	38.90
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	163.16	41.49
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	162.39	41.49
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	177.80	44.08
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	191.42	46.68
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	288.72	72.61
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	385.92	93.35
26 27 16 00-0252		**6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	110.42	31.11
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	151.60	38.90
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	171.74	44.08
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	186.42	46.68
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	185.28	46.68
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	200.88	49.27
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	216.63	51.87
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	282.79	67.42
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	324.85	80.39
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	434.37	103.72
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	452.63	111.50
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	519.42	119.29
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	586.29	129.66
26 27 16 00-0266		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	242.73	57.05
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	350.12	88.16
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	480.75	114.10
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	574.68	132.25
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	652.02	142.62
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	726.45	150.40
26 27 16 00-0273		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	530.07	127.06
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	715.96	160.77
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	788.18	165.96
26 27 16 00-0277		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	791.27	176.33
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,115.98	191.90
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,153.70	197.08
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,355.24	207.45
26 27 16 00-0282		**NEMA 4 Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0283		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	116.75	18.15
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	136.48	22.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	170.75	28.53
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	162.64	28.53
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	217.47	38.90
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	270.71	46.68
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	250.20	44.08
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	291.75	51.87
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	343.12	59.64
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	416.28	75.21
26 27 16 00-0294		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	107.33	18.15
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	153.24	28.53
26 27 16 00-0297		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	135.05	24.89
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	143.53	26.97
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	176.45	35.26
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	206.09	38.90
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	266.30	49.27
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	311.36	58.34
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	439.87	93.35
26 27 16 00-0305		**NEMA 4X Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0306		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	230.58	20.74
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	272.32	28.53
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	345.49	38.90
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	419.36	46.68
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	517.27	59.64
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	611.40	75.21
26 27 16 00-0313		**Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	361.72	18.15
		For 316 Stainless Steel, Add	*50.61*	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	469.60	25.93
		For 316 Stainless Steel, Add	*64.76*	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	532.46	28.53
		For 316 Stainless Steel, Add	*73.78*	
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	609.96	31.11
		For 316 Stainless Steel, Add	*85.15*	
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	748.89	38.90
		For 316 Stainless Steel, Add	*104.26*	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,055.36	49.27
		For 316 Stainless Steel, Add	*149.15*	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,316.33	59.64
		For 316 Stainless Steel, Add	*186.76*	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,585.68	75.21
		For 316 Stainless Steel, Add	*223.63*	
26 27 16 00-0322		**Screw Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	156.45	28.53
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	176.38	31.11
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	201.68	36.31
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	219.36	38.90
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	253.61	44.08
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	237.92	44.08
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	277.71	49.27
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	348.52	59.64
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	443.95	81.68
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	568.80	117.60
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	168.79	28.53
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	190.95	31.11
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	217.36	36.31
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	238.40	38.90
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	273.77	44.08
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	256.98	44.08
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	303.55	49.27
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	361.97	59.64
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	471.97	81.68
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	599.04	117.60
26 27 16 00-0343		**Hinged Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	191.19	28.53
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	204.39	31.11
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	231.92	36.31
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	250.73	38.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	297.31	44.08
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	272.66	44.08
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	336.03	49.27
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	398.95	59.64
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	487.66	81.68
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	625.93	117.60
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	200.15	28.53
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	221.19	31.11
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	247.60	36.31
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	267.53	38.90
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	319.72	44.08
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	291.70	44.08
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	359.56	49.27
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	410.15	59.64
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	524.62	81.68
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	665.15	117.60

26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable *(26 27 16)*

Note: Nominal inside dimensions.

26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,576.11	145.86
		For Mounting Pan, Add	*67.99*	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,250.84	155.59
		For Mounting Pan, Add	*126.69*	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,464.52	175.03
		For Mounting Pan, Add	*174.69*	

26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,188.61	175.03
		For Mounting Pan, Add	*88.83*	
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,858.91	179.90
		For Mounting Pan, Add	*174.69*	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,923.88	194.48
		For Mounting Pan, Add	*133.63*	
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,001.43	194.48
		For Mounting Pan, Add	*156.35*	
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,248.41	243.10
		For Mounting Pan, Add	*205.12*	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,006.45	218.79
		For Mounting Pan, Add	*128.07*	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,142.23	243.10
		For Mounting Pan, Add	*191.64*	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,389.22	437.59
		For Mounting Pan, Add	*257.82*	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,081.41	291.72
		For Mounting Pan, Add	*251.03*	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,653.14	486.21
		For Mounting Pan, Add	*230.46*	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,988.45	486.21
		For Mounting Pan, Add	*374.65*	

26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,413.69	218.79
		For Mounting Pan, Add	*133.63*	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,437.80	218.79
		For Mounting Pan, Add	*156.35*	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,896.82	218.79
		For Mounting Pan, Add	*205.12*	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,318.13	243.10
		For Mounting Pan, Add	*128.07*	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,264.88	437.59
		For Mounting Pan, Add	*191.64*	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,623.21	534.84
		For Mounting Pan, Add	*257.82*	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,003.04	632.08
		For Mounting Pan, Add	*387.73*	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,856.58	534.84
		For Mounting Pan, Add	*251.03*	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,045.48	534.84
		For Mounting Pan, Add	*230.46*	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,528.32	583.46
		For Mounting Pan, Add	*345.45*	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,688.13	534.84
		For Mounting Pan, Add	*374.65*	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,624.68	583.46
		For Mounting Pan, Add	*547.85*	
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,544.48	583.46
		For Mounting Pan, Add	*730.36*	
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	17,942.11	777.94
		For Mounting Pan, Add	*912.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,649.60	632.08
		For Mounting Pan, Add	*848.76*	
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	24,755.35	972.42
		For Mounting Pan, Add	*1,161.94*	
26 27 16 00-0398		10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*		
26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,488.97	632.08
		For Mounting Pan, Add	*387.73*	
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,496.19	583.46
		For Mounting Pan, Add	*345.45*	
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,525.13	632.08
		For Mounting Pan, Add	*547.85*	
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,839.23	680.70
		For Mounting Pan, Add	*912.81*	
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,003.88	680.70
		For Mounting Pan, Add	*848.76*	
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	26,981.46	972.42
		For Mounting Pan, Add	*1,161.94*	
26 27 16 00-0405		12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*		
26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,796.52	534.84
		For Mounting Pan, Add	*257.82*	
26 27 16 00-0407		Breaker Enclosures *(26 27 16)*		
		See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408		15 To 100 Amperes, F-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	420.97	103.72
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	772.33	103.72
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,901.91	142.62
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,577.44	155.59
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,880.38	155.59
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	663.73	142.62
26 27 16 00-0415		15 To 250 Amperes, H Or J-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	671.61	142.62
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,234.25	142.62
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,209.82	181.52
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,020.53	181.52
26 27 16 00-0420		125 To 400 Amperes, L-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,052.87	285.24
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,440.31	285.24
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	7,135.19	363.04
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,746.12	363.04
26 27 16 00-0425		300 To 800 Amperes, M-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	2,061.89	544.56
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,528.31	544.56
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	12,838.90	700.15
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	6,956.29	700.15
26 27 16 00-0430		250 To 1,200 Amperes, P-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,512.66	544.56
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,241.18	544.56
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	8,741.30	700.15
26 27 16 00-0434		Legend Plates *(26 27 16)*		
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	22.46	6.48
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	29.92	6.48
26 27 19		**Multi-Outlet Assemblies** *(26 27)*		
26 27 19 00-0001		Surface Metal Raceway, Preassembled With Outlets *(26 27 19)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	29.55	9.47
		For Concrete Or Masonry Surface, Add	*0.95*	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	22.75	6.74
		For Concrete Or Masonry Surface, Add	*0.68*	
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	21.62	7.13
		For Concrete Or Masonry Surface, Add	*0.71*	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	23.54	6.74
		For Concrete Or Masonry Surface, Add	*0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	19.48	6.87
		For Concrete Or Masonry Surface, Add	*0.68*	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	26.13	6.74
		For Concrete Or Masonry Surface, Add	*0.68*	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	23.30	6.74
		For Concrete Or Masonry Surface, Add	*0.68*	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	25.01	6.74
		For Concrete Or Masonry Surface, Add	*0.68*	

26 27 23 Indoor Service Poles *(26 27)*

26 27 23 00-0001 Communication And Power Poles *(26 27 23)*

Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.

26 27 23 00-0002 Steel Communication And Power Poles *(26 27 23 00-0001)*

26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	336.26	57.46
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	365.01	57.46
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	398.27	57.46

26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

Note: Excludes receptacles, communication jacks and wiring.

26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	68.86	11.85
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	59.78	11.85
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	67.60	11.85
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	50.26	11.85
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	41.51	11.85

26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	434.87	57.46
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	496.68	57.46
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	530.03	57.46

26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

Note: Excludes receptacles and communication jacks.

26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	46.39	11.85
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	41.78	11.85
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	45.08	11.85

26 27 23 00-0023 3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0024 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	565.84	57.46
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	640.24	57.46
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	689.27	57.46

26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

Note: Excludes receptacles and communication jacks.

26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	46.39	11.85
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	41.78	11.85
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices	45.08	11.85

26 27 23 00-0032 Aluminum Communication And Power Poles *(26 27 23 00-0001)*

26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*

26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*

26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	454.22	57.46
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	506.24	57.46
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	564.54	57.46

26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*

26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	70.63	11.85
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	72.10	11.85
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	76.99	11.85
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices	53.00	11.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	41.51	11.85
26 27 23 00-0044		**2-1/4" Width, Aluminum Communication And Power Poles** *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	437.98	57.46
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	491.33	57.46
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	554.17	57.46
26 27 23 00-0048		**5" Width, Aluminum Communication And Power Poles** *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	913.14	57.46
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,043.97	57.46
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,190.50	57.46
26 27 23 00-0052		**2" Diameter, Round Aluminum Communication And Power Pole** *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	497.60	57.46
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	471.24	57.46
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	602.82	57.46

26 27 26 Wiring Devices *(26 27)*

Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.

26 27 26 00-0001		**Receptacles** *(26 27 26)*		
26 27 26 00-0002		**Television Receptacle** *(26 27 26 00-0001)*		
26 27 26 00-0003	EA	TV Receptacle With Cover (Type F), Complete	79.13	30.08
26 27 26 00-0004		**General Use Receptacles** *(26 27 26 00-0001)*		
26 27 26 00-0005		**Receptacle Assemblies** *(26 27 26 00-0004)*		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0006	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	102.05	46.03
26 27 26 00-0007	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	109.49	49.27
26 27 26 00-0008	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	131.85	58.99
26 27 26 00-0009	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	146.73	65.48
26 27 26 00-0010	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	115.00	46.03
26 27 26 00-0011	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	123.13	49.27
26 27 26 00-0012		**Receptacle Components** *(26 27 26 00-0004)*		
26 27 26 00-0013	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	29.46	12.97
26 27 26 00-0014	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	28.71	12.97
26 27 26 00-0015	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	33.16	12.97
26 27 26 00-0016	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	35.74	12.97
26 27 26 00-0017	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	45.51	16.20
26 27 26 00-0018	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	53.97	16.20
26 27 26 00-0019	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	30.46	12.97
26 27 26 00-0020	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	29.66	12.97
26 27 26 00-0021	EA	20 Amperes, 120/277 Volt, Single Receptacle	41.28	12.97
26 27 26 00-0022	EA	20 Amperes, 120/277 Volt, Duplex Receptacle	34.93	12.97
26 27 26 00-0023	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	45.51	16.20
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	53.97	16.20
26 27 26 00-0025	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	81.11	16.20
26 27 26 00-0026	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	81.11	16.20
26 27 26 00-0027	EA	25 Amperes, 120/277 Volt, Duplex Receptacle	70.17	19.45
26 27 26 00-0028		**Specialty Receptacles** *(26 27 26 00-0001)*		
26 27 26 00-0029		**Specialty Receptacles** *(26 27 26 00-0028)*		
26 27 26 00-0030	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	64.58	22.69
26 27 26 00-0031	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	64.58	22.69
26 27 26 00-0032	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	88.47	22.69
26 27 26 00-0033	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	94.07	22.69
26 27 26 00-0034	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	100.56	25.93
26 27 26 00-0035	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	93.52	25.93
26 27 26 00-0036	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	91.54	25.93
26 27 26 00-0037	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	81.32	25.93
26 27 26 00-0038	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	107.04	25.93
26 27 26 00-0039	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	111.38	25.93
26 27 26 00-0040	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	117.85	29.17
26 27 26 00-0041	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	129.73	32.42
26 27 26 00-0042	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	142.70	38.90
26 27 26 00-0043	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,331.81	304.69
26 27 26 00-0044	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,138.58	372.76
26 27 26 00-0045	EA	30 Amperes, 230 Volt, Dryer Receptacle	76.70	25.93
26 27 26 00-0046	EA	60 Amperes, 230 Volt, Range Receptacle	112.57	38.90
26 27 26 00-0047	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	69.39	16.20
26 27 26 00-0048	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,421.94	394.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0049		**Isolated Ground Receptacles** *(26 27 26 00-0028)*		
26 27 26 00-0050	EA	15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	98.00	12.97
26 27 26 00-0051	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	59.76	16.20
26 27 26 00-0052	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	59.56	16.20
26 27 26 00-0053	EA	30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	83.89	25.93
26 27 26 00-0054	EA	Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	66.27	16.20
26 27 26 00-0055	EA	Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	61.20	16.20
26 27 26 00-0056	EA	Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	83.53	19.45
26 27 26 00-0057	EA	Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	67.75	19.45
26 27 26 00-0058	EA	Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	85.40	19.45
26 27 26 00-0059	EA	Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	102.61	19.45
26 27 26 00-0060	EA	Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	103.44	25.93
26 27 26 00-0061		**Explosion Proof Receptacle Assembly** *(26 27 26 00-0028)*		
26 27 26 00-0062	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	987.82	32.42
26 27 26 00-0063	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	909.87	35.65
26 27 26 00-0064	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,512.46	64.82
26 27 26 00-0065	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,906.02	64.82
26 27 26 00-0066	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,411.07	97.24
26 27 26 00-0067	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,297.14	97.24
26 27 26 00-0068		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0028)*		
26 27 26 00-0069	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	38.42	16.20
26 27 26 00-0070	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	56.27	19.45
26 27 26 00-0071		**Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0028)*		
26 27 26 00-0072	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	66.67	16.20
26 27 26 00-0073	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	72.94	16.20
26 27 26 00-0074		**Locking Receptacle** *(26 27 26 00-0028)*		
26 27 26 00-0075	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	59.48	16.20
26 27 26 00-0076	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	73.52	16.20
26 27 26 00-0077	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	65.80	19.45
26 27 26 00-0078	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	65.18	19.45
26 27 26 00-0079	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	77.53	19.45
26 27 26 00-0080	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	93.50	19.45
26 27 26 00-0081	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	91.73	19.45
26 27 26 00-0082	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	80.06	19.45
26 27 26 00-0083	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	90.92	25.93
26 27 26 00-0084	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle	92.41	25.93
26 27 26 00-0085	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	110.41	25.93
26 27 26 00-0086		**Hospital Grade Receptacle** *(26 27 26 00-0028)*		
26 27 26 00-0087	EA	15 Amperes, Heavy-Duty Hospital Grade, NEMA 5-15, Single Receptacle	55.09	12.97
26 27 26 00-0088	EA	15 Amperes, Heavy-Duty Hospital Grade, NEMA 5-15, Duplex Receptacle	60.11	12.97
26 27 26 00-0089	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	65.44	12.97
26 27 26 00-0090	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	75.53	12.97
26 27 26 00-0091	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	66.20	12.97
26 27 26 00-0092	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	76.64	12.97
26 27 26 00-0093	EA	120 Volt, Transient Voltage, Surge Suppresser Receptacle Note: Hospital grade receptacle.	159.30	38.90
26 27 26 00-0094		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0028)*		
26 27 26 00-0095	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	294.03	64.82
26 27 26 00-0096	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	293.35	64.82
26 27 26 00-0097	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	306.17	64.82
26 27 26 00-0098	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	373.50	71.31
26 27 26 00-0099	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	374.57	71.31
26 27 26 00-0100	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	372.10	71.31
26 27 26 00-0101	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	445.97	79.73
26 27 26 00-0102	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	425.12	79.73
26 27 26 00-0103	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	457.76	79.73
26 27 26 00-0104	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	462.39	87.52
26 27 26 00-0105	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	461.99	87.52
26 27 26 00-0106	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	464.94	87.52
26 27 26 00-0107	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	650.43	103.72
26 27 26 00-0108	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	625.18	103.72
26 27 26 00-0109	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	641.62	103.72
26 27 26 00-0110	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	714.52	115.40
26 27 26 00-0111	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	715.01	115.40
26 27 26 00-0112	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	715.49	115.40
26 27 26 00-0113	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	795.30	129.66
26 27 26 00-0114	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	827.67	129.66
26 27 26 00-0115	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	890.45	142.62
26 27 26 00-0116	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	888.02	142.62
26 27 26 00-0117	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	892.59	142.62

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0118		**Corrosion Resistant Receptacle** *(26 27 26 00-0028)*		
26 27 26 00-0119	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	71.08	12.97
26 27 26 00-0120	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	139.11	16.20
26 27 26 00-0121		**Tamper Resistant Receptacle** *(26 27 26 00-0028)*		
26 27 26 00-0122	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	31.96	12.97
26 27 26 00-0123	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	35.06	12.97
26 27 26 00-0124	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	43.97	12.97
26 27 26 00-0125	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	48.14	12.97
26 27 26 00-0126	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	73.23	12.97
26 27 26 00-0127	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	79.22	12.97
26 27 26 00-0128	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	84.92	12.97
26 27 26 00-0129		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0028)*		
26 27 26 00-0130	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	75.42	12.97
26 27 26 00-0131	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	81.60	12.97
26 27 26 00-0132		**Switches** *(26 27 26)*		
26 27 26 00-0133		**Switches** *(26 27 26 00-0132)*		
26 27 26 00-0134		**Switch Assemblies** *(26 27 26 00-0133)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0135	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	104.92	45.38
26 27 26 00-0136	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	113.17	49.27
26 27 26 00-0137	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	140.83	59.32
26 27 26 00-0138	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	154.73	65.80
26 27 26 00-0139	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	240.48	101.78
26 27 26 00-0140	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	261.34	111.50
26 27 26 00-0141	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	276.52	115.07
26 27 26 00-0142	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	304.33	128.03
26 27 26 00-0143		**Switch Components** *(26 27 26 00-0133)*		
26 27 26 00-0144	EA	15 Amperes, 120/277 Volt, SPST Switch	32.87	12.97
26 27 26 00-0145	EA	15 Amperes, 120/277 Volt, 3-Way Switch	41.54	16.20
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, 4-Way Switch	78.34	25.93
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, DPST Switch	36.91	12.97
26 27 26 00-0148	EA	15 Amperes, 120/277 Volt, Thermal Switch	66.93	16.20
26 27 26 00-0149	EA	20 Amperes, 120/277 Volt, SPST Switch	39.83	16.20
26 27 26 00-0150	EA	20 Amperes, 120/277 Volt, 3-Way Switch	49.03	19.45
26 27 26 00-0151	EA	20 Amperes, 120/277 Volt, 4-Way Switch	102.36	25.93
26 27 26 00-0152	EA	20 Amperes, 120/277 Volt, DPST Switch	46.30	16.20
26 27 26 00-0153	EA	20 Amperes, 120/277 Volt, DPDT Switch	49.17	16.20
26 27 26 00-0154	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	90.25	16.23
26 27 26 00-0155	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	113.87	16.23
26 27 26 00-0156	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	86.74	19.48
26 27 26 00-0157	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	59.76	22.69
26 27 26 00-0158	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	72.82	25.93
26 27 26 00-0159	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	102.42	25.93
26 27 26 00-0160	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	90.44	25.97
26 27 26 00-0161	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch	111.68	25.97
26 27 26 00-0162	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch	116.63	32.47
26 27 26 00-0163	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch	163.11	35.71
26 27 26 00-0164	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	77.36	21.24
26 27 26 00-0165	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	109.72	21.24
26 27 26 00-0166	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	95.77	21.24
26 27 26 00-0167	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	90.97	21.24
26 27 26 00-0168	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	101.45	10.52
26 27 26 00-0169	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	107.96	10.52
26 27 26 00-0170	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	114.54	40.52
26 27 26 00-0171	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch Note: 15A, 120/277 V, Single Pole	138.16	40.52
26 27 26 00-0172	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	165.31	12.99
26 27 26 00-0173	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	89.55	12.99
26 27 26 00-0174	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	279.90	12.97
26 27 26 00-0175	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	52.92	12.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0176	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV)	95.43	12.99
26 27 26 00-0177	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	109.51	12.99
26 27 26 00-0178	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	140.21	12.99
26 27 26 00-0179	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	170.24	12.99
26 27 26 00-0180		Specialty Switches *(26 27 26 00-0132)*		
26 27 26 00-0181		Dimmers With SPST Switch *(26 27 26 00-0180)*		
26 27 26 00-0182	EA	600 Watt Dimmers With SPST Switch	73.35	29.17
26 27 26 00-0183	EA	1,000 Watt Dimmers With SPST Switch	120.18	29.17
26 27 26 00-0184	EA	1,500 Watt Dimmers With SPST Switch	214.85	46.94
26 27 26 00-0185	EA	2,000 Watt Dimmers With SPST Switch	274.61	46.94
26 27 26 00-0186	EA	600 Watt Fluorescent Dimmer Switch	155.31	34.62
26 27 26 00-0187	EA	1,000 Watt Fluorescent Dimmer Switch	206.73	34.62
26 27 26 00-0188	EA	1,500 Watt Fluorescent Dimmer Switch	371.22	52.25
26 27 26 00-0189	EA	Remote Speed Switch For Paddle Fan	119.44	43.18
26 27 26 00-0190	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	195.06	64.44
26 27 26 00-0191		Time Switches *(26 27 26 00-0180)*		
26 27 26 00-0192	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	131.89	38.90
26 27 26 00-0193	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	134.59	38.90
26 27 26 00-0194	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	131.89	38.90
26 27 26 00-0195	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	134.59	38.90
26 27 26 00-0196	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	149.92	38.90
26 27 26 00-0197	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	149.92	38.90
26 27 26 00-0198	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	256.31	38.90
26 27 26 00-0199	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	256.31	38.90
26 27 26 00-0200	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	222.17	38.90
26 27 26 00-0201	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	243.02	38.90
26 27 26 00-0202	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	243.02	38.90
26 27 26 00-0203	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	292.28	38.90
26 27 26 00-0204	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	300.57	38.90
26 27 26 00-0205	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	131.89	38.90
26 27 26 00-0206	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	134.59	38.90
26 27 26 00-0207	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	131.89	38.90
26 27 26 00-0208	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	134.59	38.90
26 27 26 00-0209	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	149.92	38.90
26 27 26 00-0210	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	149.92	38.90
26 27 26 00-0211	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	256.31	38.90
26 27 26 00-0212	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	256.31	38.90
26 27 26 00-0213	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	292.28	38.90
26 27 26 00-0214	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	300.57	38.90
26 27 26 00-0215		Low Voltage Switching *(26 27 26 00-0180)*		
26 27 26 00-0216	EA	36 Pin Male Or Female Connector	200.82	12.97
26 27 26 00-0217		Other Switches *(26 27 26 00-0180)*		
26 27 26 00-0218	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	42.25	19.45
26 27 26 00-0219	EA	SPST Locking Switch For Concealed Devices	126.95	51.87
26 27 26 00-0220	EA	3-Way Locking Switch For Concealed Devices	128.42	51.87
26 27 26 00-0221	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	138.21	48.49
26 27 26 00-0222	EA	15 Amperes Momentary Contact Switch	132.30	48.49
26 27 26 00-0223	EA	20 Amperes Momentary Contact Switch	138.52	48.49
26 27 26 00-0224	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	134.21	58.43
26 27 26 00-0225	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	135.95	58.43
26 27 26 00-0226	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	167.12	71.42
26 27 26 00-0227	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	151.97	64.92
26 27 26 00-0228	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	152.40	64.92
26 27 26 00-0229		Hospital Grade Switches *(26 27 26 00-0180)*		
26 27 26 00-0230	EA	15 Amperes, 120/277 Volt, SPST Hospital Grade Switch	32.87	12.97
26 27 26 00-0231	EA	20 Amperes, 120/277 Volt, SPST Hospital Grade Switch	39.83	16.20
26 27 26 00-0232		Plates And Covers *(26 27 26)*		
26 27 26 00-0233		Wall Plates *(26 27 26 00-0232)*		
26 27 26 00-0234		Nylon Wall Plates *(26 27 26 00-0233)*		
26 27 26 00-0235	EA	1 Gang Nylon Switch Wall Plates	2.06	0.65
26 27 26 00-0236	EA	2 Gang Nylon Switch Wall Plates	3.50	0.97
26 27 26 00-0237	EA	3 Gang Nylon Switch Wall Plates	4.98	1.29
26 27 26 00-0238	EA	4 Gang Nylon Switch Wall Plate	7.17	1.63
26 27 26 00-0239	EA	1 Gang Duplex Nylon Wall Plate	2.08	0.65
26 27 26 00-0240	EA	2 Gang Duplex Nylon Wall Plate	3.59	0.97
26 27 26 00-0241		Plastic Wall Plates *(26 27 26 00-0233)*		
26 27 26 00-0242	EA	1 Gang Plastic Switch Wall Plates	1.91	0.65
26 27 26 00-0243	EA	2 Gang Plastic Switch Wall Plates	3.19	0.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0244	EA	3 Gang Plastic Switch Wall Plates	4.48	1.29
26 27 26 00-0245	EA	4 Gang Plastic Switch Wall Plates	7.17	1.63
26 27 26 00-0246	EA	1 Gang Duplex Plastic Wall Plate	1.91	0.65
26 27 26 00-0247	EA	2 Gang Duplex Plastic Wall Plate	3.20	0.97
26 27 26 00-0248		**Thermoplastic Wall Plates (Hospital Grade)** *(26 27 26 00-0233)*		
26 27 26 00-0249	EA	1 Gang Thermoplastic Hospital Grade Switch Wall Plate	9.41	0.65
26 27 26 00-0250	EA	2 Gang Thermoplastic Hospital Grade Switch Wall Plate	11.40	0.97
26 27 26 00-0251	EA	3 Gang Thermoplastic Hospital Grade Switch Wall Plate	17.88	1.29
26 27 26 00-0252	EA	4 Gang Thermoplastic Hospital Grade Switch Wall Plate	26.16	1.63
26 27 26 00-0253	EA	1 Gang Duplex Thermoplastic Hospital Grade Wall Plate	13.91	0.65
26 27 26 00-0254	EA	2 Gang Duplex Thermoplastic Hospital Grade Wall Plate	21.89	0.97
26 27 26 00-0255		**Brass Wall Plates** *(26 27 26 00-0233)*		
26 27 26 00-0256	EA	1 Gang, 0.04" Brass Switch Wall Plates	20.41	2.92
26 27 26 00-0257	EA	2 Gang, 0.04" Brass Switch Wall Plates	38.37	3.37
26 27 26 00-0258	EA	3 Gang, 0.04" Brass Switch Wall Plates	56.20	3.76
26 27 26 00-0259	EA	4 Gang, 0.04" Brass Switch Wall Plates	87.53	4.09
26 27 26 00-0260	EA	5 Gang, 0.04" Brass Switch Wall Plates	106.65	4.35
26 27 26 00-0261	EA	6 Gang, 0.04" Brass Switch Wall Plates	123.47	4.55
26 27 26 00-0262	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	20.41	2.92
26 27 26 00-0263	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	45.00	3.37
26 27 26 00-0264	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	64.94	3.76
26 27 26 00-0265		**Stainless Steel Wall Plates** *(26 27 26 00-0233)*		
26 27 26 00-0266	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	10.83	2.92
26 27 26 00-0267	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	17.44	3.37
26 27 26 00-0268	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	24.42	3.76
26 27 26 00-0269	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	35.92	4.09
26 27 26 00-0270	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	42.33	4.35
26 27 26 00-0271	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	51.25	4.55
26 27 26 00-0272	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	11.88	2.92
26 27 26 00-0273	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	19.92	3.37
26 27 26 00-0274	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	32.64	3.76
26 27 26 00-0275	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	39.49	4.09
26 27 26 00-0276		**Chrome Wall Plates** *(26 27 26 00-0233)*		
26 27 26 00-0277	EA	1 Gang, 0.040" Chrome Switch Wall Plate	41.02	2.92
26 27 26 00-0278	EA	2 Gang 0.040" Chrome Switch Wall Plate	76.99	3.37
26 27 26 00-0279	EA	3 Gang 0.040" Chrome Switch Wall Plate	112.92	3.76
26 27 26 00-0280	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	40.99	2.92
26 27 26 00-0281		**Ceramic Wall Plates** *(26 27 26 00-0233)*		
26 27 26 00-0282	EA	1 Gang, Ceramic Switch Wall Plate	21.53	3.57
26 27 26 00-0283	EA	1 Gang, Ceramic Duplex Receptacle Wall Plate	21.53	3.57
26 27 26 00-0284	EA	2 Gang, Ceramic Switch Wall Plate	25.05	3.37
26 27 26 00-0285	EA	2 Gang, Ceramic Combination Switch/Receptacle Wall Plate	25.05	3.37
26 27 26 00-0286	EA	3 Gang, Ceramic Switch Wall Plate	32.50	3.76
26 27 26 00-0287		**Weatherproof Covers** *(26 27 26 00-0232)*		
26 27 26 00-0288		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0287)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0289	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	13.88	0.65
26 27 26 00-0290	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	15.04	0.65
26 27 26 00-0291	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	15.04	0.65
26 27 26 00-0292	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	15.04	0.65
26 27 26 00-0293	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	18.44	0.97
26 27 26 00-0294	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	20.95	0.97
26 27 26 00-0295	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	21.21	0.97
26 27 26 00-0296	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	21.21	0.97
26 27 26 00-0297	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	28.88	0.97
26 27 26 00-0298	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	27.30	1.29
26 27 26 00-0299	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	29.87	1.29
26 27 26 00-0300		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0287)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0301	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	17.01	0.65
26 27 26 00-0302	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	54.54	0.65
26 27 26 00-0303	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	61.17	0.65
26 27 26 00-0304	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	16.88	0.65
26 27 26 00-0305	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	46.22	0.65
26 27 26 00-0306	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	76.95	0.65
26 27 26 00-0307	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	97.99	0.65
26 27 26 00-0308	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	21.21	0.97
26 27 26 00-0309	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	154.82	0.97
26 27 26 00-0310	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	35.54	1.29
26 27 26 00-0311	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	147.85	1.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0312		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0287)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0313	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	5.69	0.65
26 27 26 00-0314	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	7.30	0.65
26 27 26 00-0315	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	9.81	0.97
26 27 26 00-0316	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	10.64	0.97
26 27 26 00-0317	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	10.64	0.97
26 27 26 00-0318	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	11.85	0.97
26 27 26 00-0319		**Heavy-Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0287)*		
		Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0320	EA	Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	58.08	0.65
26 27 26 00-0321		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0287)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0322	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.70	0.65
26 27 26 00-0323	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.70	0.65
26 27 26 00-0324	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.70	0.65
26 27 26 00-0325	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.48	0.97
26 27 26 00-0326	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.48	0.97
26 27 26 00-0327		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0287)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0328	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	94.90	0.65
26 27 26 00-0329		**Non-Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0287)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0330	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.89	0.65
26 27 26 00-0331	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	14.91	0.97
26 27 26 00-0332	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.93	0.65
26 27 26 00-0333	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	30.73	0.65
26 27 26 00-0334	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	35.62	0.65
26 27 26 00-0335	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	28.87	0.65
26 27 26 00-0336	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	21.51	0.65
26 27 26 00-0337	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	25.18	0.65
26 27 26 00-0338	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	22.51	0.65
26 27 26 00-0339	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	32.42	0.97
26 27 26 00-0340		**Removal And Reinstallation Of Wiring Devices** *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0341	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	85.30	
26 27 26 00-0342	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	10.80	
26 27 26 00-0343		**Relay Systems** *(26 27 26)*		
26 27 26 00-0344	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	98.49	29.17
26 27 26 00-0345	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	422.05	97.24
26 27 26 00-0346	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	714.81	129.66
26 27 26 00-0347		**Limit Switches** *(26 27 26)*		
26 27 26 00-0348		**Heavy-Duty Precision Oiltight** *(26 27 26 00-0347)*		
26 27 26 00-0349		**Lever Arm, Plunger, Wobble Stick Type** *(26 27 26 00-0348)*		
26 27 26 00-0350	EA	Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	470.84	81.68
26 27 26 00-0351		**In Line Midget Fuseholders** *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0352	EA	Single Pole Water Resistant In Line Midget Fuseholder	94.47	
26 27 26 00-0353	EA	Double Pole Water Resistant In Line Midget Fuseholder	219.15	
26 27 33		**Power Distribution Units** *(26 27)*		
		Note: Includes wiring connections and testing.		
26 27 33 00-0001		**Liebert Precision Power Center** *(26 27 33)*		
		Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	21,970.78	398.69
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	26,530.95	432.14
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,236.76	479.73
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	34,791.43	518.62
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	37,960.59	648.28
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	42,584.67	777.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	49,134.37	907.60
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	51,661.66	1,037.25
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	54,574.05	1,166.91
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,945.32	129.66
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,908.77	162.07
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,568.11	194.48
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	2,074.51	
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,555.88	

26 27 73 Door Chimes *(26 27)*

26 27 73 00-0001 Door Bell Chime And Door Button With Built-In Viewer *(26 27 73)*

Note: Non-electric chime, mounted on door

26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	92.29	20.35

26 27 73 00-0003 Wireless Door Bell System *(26 27 73)*

26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH) Note: Includes 2 push buttons	147.63	
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G) Note: Includes 2 push buttons	139.08	
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300) Note: Includes 2 push buttons	104.14	

26 27 73 00-0007 Door Chimes *(26 27 73)*

26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete	686.38	270.08
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	266.87	64.82
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete Note: Includes removal of existing.	109.90	32.42

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*

26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	31.85	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.96	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.76	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.59	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.71	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	28.52	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	28.00	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.71	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.07	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	24.30	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.44	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	

26 28 13 00-0013 Class RK1, Time Delay Fuses *(26 28 13)*

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	52.91	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	49.03	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.74	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.38	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	48.68	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	47.06	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.78	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.45	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.80	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.36	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	60.61	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	59.32	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	60.29	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	59.49	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	58.32	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0030		250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	111.95	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	111.31	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	124.41	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0034	EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	110.28	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	325.93	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	236.64	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0037	EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	216.21	12.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 28 13 00-0038	EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	228.11	12.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 28 13 00-0039	EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	433.56	12.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	465.39	15.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.50*	
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	500.97	15.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.50*	
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	384.24	15.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.50*	
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	865.78	15.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.50*	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	817.07	19.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.84*	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	635.09	19.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.84*	
26 28 13 00-0046		600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	84.82	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	78.65	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	73.48	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	75.18	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	73.71	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	74.24	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	68.60	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	68.04	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	67.28	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	68.39	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	101.86	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	102.12	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	100.01	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	101.01	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	101.89	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0062		600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	194.54	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	198.82	12.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	197.70	12.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	198.58	12.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	370.01	12.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	375.71	12.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.56*	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	369.17	15.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.50*	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	368.23	15.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.50*	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	709.89	15.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.50*	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	712.39	19.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.84*	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	804.67	19.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.84*	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	728.08	19.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.84*	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,316.09	19.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.84*	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,169.07	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,018.03	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	

26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses *(26 28 13)*

Note: 250/300 Volt DC.

26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse	61.73	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse	62.75	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse	62.46	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse	62.14	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse	66.98	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse	59.23	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse	68.34	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse	62.17	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse	60.90	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse	57.99	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse	60.46	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	

26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*

26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	83.28	6.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	83.95	6.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	71.24	7.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	69.72	9.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	71.34	9.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	69.90	9.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	88.72	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	72.59	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	132.79	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	112.04	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	129.61	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.78*	
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	112.25	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	110.01	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	174.25	19.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	186.56	19.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	183.42	19.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	157.26	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	386.86	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	326.69	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	308.89	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	313.68	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	257.71	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	676.28	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	624.05	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	573.78	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	627.28	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	513.09	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.51*	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	1,110.01	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.51*	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	937.45	32.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	692.21	32.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,148.07	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,152.33	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,156.30	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.73*	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,147.53	19.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,976.98	19.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,114.35	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,945.03	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,176.90	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,134.18	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,895.08	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,946.47	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,592.36	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,885.77	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,901.33	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.50*	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,664.63	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.50*	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,437.88	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.50*	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,636.37	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.50*	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,685.52	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.50*	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,765.63	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.50*	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,712.51	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.50*	
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,348.05	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.50*	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,084.40	32.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,436.30	32.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,834.06	32.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,837.09	32.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,548.37	32.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,277.79	35.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.39*	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	8,865.86	35.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.39*	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,290.38	35.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.39*	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	5,942.64	35.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,388.91	35.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.39*	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	15,554.28	35.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.39*	

26 28 16 Enclosed Switches and Circuit Breakers *(26 28)*

26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

26 28 16 13-0001 Branch Circuit Breakers *(26 28 16 13)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	64.24	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	64.24	23.34
		For Bolt-On, Add	*17.11*	
		For Installation In New Panelboard, Deduct	*-12.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	93.37	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	142.45	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	198.57	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	230.57	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	111.53	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	106.34	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	106.34	35.00
		For Bolt-On, Add	*26.91*	
		For Installation In New Panelboard, Deduct	*-19.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	160.82	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	267.66	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	315.82	64.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.79*	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	268.66	41.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.01*	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	360.46	41.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.01*	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	203.64	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	203.64	46.68
		For Bolt-On, Add	*43.61*	
		For Installation In New Panelboard, Deduct	*-25.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	267.12	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	405.32	70.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.68*	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	517.62	81.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.46*	

26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	93.32	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	93.32	23.34
		For Bolt-On, Add	*20.74*	
		For Installation In New Panelboard, Deduct	*-12.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	167.70	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	262.07	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	182.90	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	182.90	35.00
		For Bolt-On, Add	*36.48*	
		For Installation In New Panelboard, Deduct	*-19.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	361.96	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	493.55	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	726.97	64.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.79*	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	292.47	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	292.47	46.68
		For Bolt-On, Add	*54.71*	
		For Installation In New Panelboard, Deduct	*-25.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	438.31	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	624.61	70.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.68*	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	969.29	81.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.46*	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,119.09	87.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.34*	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,202.33	93.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.24*	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,423.64	99.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.13*	

26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	112.43	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	112.43	23.34
		For Bolt-On, Add	*23.13*	
		For Installation In New Panelboard, Deduct	*-12.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	186.58	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	232.70	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	232.70	35.00
		For Bolt-On, Add	*42.70*	
		For Installation In New Panelboard, Deduct	*-19.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	409.72	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,056.59	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	374.66	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	374.66	46.68
		For Bolt-On, Add	*64.98*	
		For Installation In New Panelboard, Deduct	*-25.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	498.14	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,308.20	70.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.68*	

26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	128.66	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	128.66	23.34
		For Bolt-On, Add	*25.16*	
		For Installation In New Panelboard, Deduct	*-12.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	151.47	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	259.90	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	275.04	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	275.04	35.00
		For Bolt-On, Add	*47.99*	
		For Installation In New Panelboard, Deduct	*-19.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	333.02	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	481.19	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	623.77	64.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.79*	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	779.33	75.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	840.12	87.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.34*	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	333.73	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	333.73	46.68
		For Bolt-On, Add	*59.87*	
		For Installation In New Panelboard, Deduct	*-25.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	391.02	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	596.58	70.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.68*	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	783.20	90.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.29*	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	968.49	105.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,030.06	111.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.91*	

26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	285.61	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	285.61	35.00
		For Bolt-On, Add	*49.31*	
		For Installation In New Panelboard, Deduct	*-19.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	435.27	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	709.68	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,108.19	72.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.62*	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,257.19	75.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.57*	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,373.00	87.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.34*	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	411.01	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	411.01	46.68
		For Bolt-On, Add	*69.53*	
		For Installation In New Panelboard, Deduct	*-25.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	517.81	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	883.23	70.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.68*	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,292.65	90.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.29*	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,527.17	105.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,652.69	111.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.91*	

26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	296.13	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	296.13	35.00
		For Bolt-On, Add	*50.63*	
		For Installation In New Panelboard, Deduct	*-19.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	532.30	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	978.74	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,552.95	72.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.62*	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,768.72	75.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.57*	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	1,924.99	87.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.34*	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	483.79	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	483.79	46.68
		For Bolt-On, Add	*78.62*	
		For Installation In New Panelboard, Deduct	*-25.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	643.96	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,190.66	70.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.68*	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,503.99	90.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.29*	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,405.43	105.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.01*	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,562.02	111.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.91*	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	155.15	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	155.15	23.34
		For Bolt-On, Add	*28.47*	
		For Installation In New Panelboard, Deduct	*-12.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	270.10	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	339.17	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	339.17	35.00
		For Bolt-On, Add	*56.01*	
		For Installation In New Panelboard, Deduct	*-19.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	621.37	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,156.65	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,255.63	72.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.62*	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	561.45	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	561.45	46.68
		For Bolt-On, Add	*88.33*	
		For Installation In New Panelboard, Deduct	*-25.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	751.86	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,425.17	70.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.68*	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,804.54	90.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.29*	

26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	229.77	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	229.77	23.34
		For Bolt-On, Add	*37.80*	
		For Installation In New Panelboard, Deduct	*-12.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	349.46	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.45*	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	425.51	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	425.51	35.00
		For Bolt-On, Add	*66.80*	
		For Installation In New Panelboard, Deduct	*-19.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	807.25	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,472.02	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,948.64	64.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.79*	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	734.47	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	734.47	46.68
		For Bolt-On, Add	*109.96*	
		For Installation In New Panelboard, Deduct	*-25.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,019.18	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,659.68	70.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.68*	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	3,718.60	90.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.29*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0129		Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)* Note: Includes connection of electrical wire.		
26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	100.96	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	216.13	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	344.70	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	216.98	23.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	216.98	23.34
		For Bolt-On, Add	*36.20*	
		For Installation In New Panelboard, Deduct	*-12.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.56*	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	432.03	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	496.63	35.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	496.63	35.00
		For Bolt-On, Add	*75.69*	
		For Installation In New Panelboard, Deduct	*-19.45*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.34*	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	967.54	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,649.92	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,652.40	72.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.62*	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	836.21	46.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	836.21	46.68
		For Bolt-On, Add	*122.68*	
		For Installation In New Panelboard, Deduct	*-25.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.12*	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,166.88	58.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.90*	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,789.06	70.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.68*	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	4,541.73	90.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.29*	
26 28 16 16		**Enclosed Switches** *(26 28 16)*		
26 28 16 16-0001		Motor And Circuit Disconnects *(26 28 16 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 16-0002		NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0003		Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)* Note: Includes fuses and neutral bar.		
26 28 16 16-0004		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	483.94	129.66
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	761.73	156.23
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,047.72	182.82
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,805.33	287.83
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,843.12	447.31
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,419.75	661.25
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,760.84	777.94
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,765.73	907.60
26 28 16 16-0013		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	737.79	144.05
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	890.17	173.61
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,417.43	202.91
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,095.22	320.25
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,576.70	496.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,135.53	734.38
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,557.22	863.91
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,427.50	1,008.46
26 28 16 16-0022		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	687.98	203.56
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,014.51	270.34
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,367.46	300.15
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,163.27	470.00
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,498.22	771.45
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,320.42	1,080.68
26 28 16 16-0029		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	899.86	224.95
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,143.38	300.15
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,687.04	337.76
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,483.65	514.73
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,538.58	831.10
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,915.75	1,200.62
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,197.88	1,426.22
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	18,153.45	1,620.71
26 28 16 16-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	666.41	203.56
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	986.63	270.34
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,316.74	300.15
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,233.02	470.00
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,891.33	771.45
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,911.82	1,080.68
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,104.49	1,361.39
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,161.03	1,555.88
26 28 16 16-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	979.02	224.95
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,240.65	300.15
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,829.27	337.76
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,696.57	514.73
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,992.84	831.10
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,718.03	1,200.62
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,529.86	1,426.22
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	19,592.27	1,620.71
26 28 16 16-0056		Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	470.29	187.62
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	730.91	261.00
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,008.07	300.15
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,579.10	480.25
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,188.06	800.37
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,215.36	1,091.45
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,454.12	1,296.57
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,845.53	1,513.22
26 28 16 16-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	519.46	207.06
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	827.77	292.90
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,139.45	333.48
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,768.49	522.00
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,430.14	857.55
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,768.37	1,200.49
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,268.34	1,296.57
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,960.58	1,513.22
26 28 16 16-0075		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	548.62	168.56
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	839.88	234.67
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,133.38	270.34
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,780.61	432.40
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,566.03	720.24
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,749.95	982.15
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,898.52	1,166.91
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,900.01	1,361.39
26 28 16 16-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	598.54	186.05
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	923.59	263.86
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,235.76	300.15
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,921.21	470.00
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,820.73	771.45
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,216.80	1,080.68
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,437.17	1,166.91
26 28 16 16-0092		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	638.70	186.31
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	992.08	263.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,347.16	300.15
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,092.79	469.74
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,060.74	771.71
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,927.11	1,080.43
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,248.09	1,166.91
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,716.76	1,361.39
26 28 16 16-0101		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	934.40	168.81
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,129.21	234.94
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,730.13	270.08
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,596.77	432.14
26 28 16 16-0106		**480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,011.97	186.05
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,233.62	263.86
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,875.16	300.15
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,795.69	470.00
26 28 16 16-0111		**600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,123.77	186.31
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,356.93	263.59
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,096.90	300.15
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,118.71	469.74
26 28 16 16-0116		**General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0002)*		
		Note: Includes fuses and neutral bar.		
26 28 16 16-0117		**240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0116)*		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	336.09	112.80
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	457.89	135.75
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	703.75	158.70
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,302.12	250.37
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,094.54	388.32
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,785.38	574.77
26 28 16 16-0124		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0116)*		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	464.68	177.24
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	655.77	234.94
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	908.31	261.00
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,619.78	408.54
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,663.01	671.11
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,520.71	939.49

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	516.84	177.24
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	739.87	234.94
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	984.83	261.00
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,812.58	408.54
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,992.55	671.11
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,729.60	939.49
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	459.26	156.88
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	610.92	180.35
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,378.36	288.23
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,954.49	479.73
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,112.47	653.73
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	433.84	146.77
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	594.49	204.21
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	903.31	234.94
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,554.40	375.88
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,248.98	626.50
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,515.24	853.91
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0153		Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	710.23	152.34
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,129.09	182.82
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,410.96	212.64
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,065.48	324.14
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,561.48	518.62
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,991.75	691.72
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,978.74	777.94
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,871.43	907.60
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,221.58	203.04
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,454.74	248.94
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,063.92	285.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,908.26	428.78
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,325.88	701.57
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,629.00	964.77
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,093.59	1,110.90
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,830.62	1,250.53
26 28 16 16-0172		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	906.61	239.87
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,438.25	317.66
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,733.02	348.78
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,569.97	540.02
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,554.39	900.46
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,261.51	1,200.62
26 28 16 16-0179		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,386.59	284.34
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,654.51	348.52
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,214.28	400.12
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,216.82	600.31
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,770.63	982.28
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,224.66	1,350.63
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,300.61	1,555.88
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,708.20	1,750.37
26 28 16 16-0188		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	995.06	239.87
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,440.82	317.66
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,857.39	348.78
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,652.92	540.02
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,630.48	900.46
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,098.46	1,200.62
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,847.39	1,361.39
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,998.92	1,555.88
26 28 16 16-0197		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,437.34	284.60
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,711.57	348.78
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,341.09	399.99
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,299.25	600.31
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,068.63	982.15
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,567.05	1,350.37
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,378.75	1,555.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	22,129.33	1,750.37
26 28 16 16-0206		**Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
26 28 16 16-0207		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	674.17	133.42
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,100.58	184.76
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,446.85	211.86
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,925.45	343.07
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,285.61	572.30
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,813.49	763.03
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,568.72	907.99
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,591.39	1,037.64
26 28 16 16-0216		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	759.03	147.03
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,247.21	205.77
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,633.70	232.34
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,136.84	360.18
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,863.46	600.31
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,435.81	800.37
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,404.09	951.16
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,687.80	1,080.43
26 28 16 16-0225		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	807.57	200.06
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,285.27	277.07
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,658.70	317.79
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,268.45	514.60
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,921.59	858.32
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,701.27	1,144.21
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,616.02	1,361.39
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,025.42	1,555.88
26 28 16 16-0234		**480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	877.50	220.42
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,400.83	308.71
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,793.29	348.52
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,408.43	540.28
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,234.43	900.33
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,271.20	1,200.49
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,523.51	1,426.22
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,218.21	1,620.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0243		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	474.02	220.42
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,453.02	308.71
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,866.06	348.52
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,496.99	540.28
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,463.72	900.33
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,236.16	1,200.49
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,503.88	1,426.22
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,191.50	1,620.71
26 28 16 16-0252		**General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		**240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	434.71	132.51
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	613.19	158.96
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	806.30	184.89
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,652.92	281.87
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,041.72	450.94
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,162.72	601.60
26 28 16 16-0260		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	587.97	208.87
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	848.36	276.30
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,042.26	303.14
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,029.83	469.74
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,708.00	782.87
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,057.82	1,044.26
26 28 16 16-0267		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	661.08	208.75
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	921.70	276.30
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,278.31	303.14
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,182.27	469.74
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,805.93	783.00
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,822.18	1,044.26
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,605.45	1,182.98
26 28 16 16-0275		**General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
26 28 16 16-0276		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0275)*		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	392.24	116.04
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	641.74	160.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	674.65	184.24
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,686.34	298.21
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,135.89	497.62
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,289.83	663.45
26 28 16 16-0283		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0275)*		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	613.91	174.00
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	883.70	240.90
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,293.42	276.30
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,223.23	447.44
26 28 16 16-0288		**NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0001)*		
26 28 16 16-0289		**Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,884.63	129.66
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,263.92	156.23
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,618.06	182.56
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,387.49	288.10
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,985.04	447.05
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,665.07	660.99
26 28 16 16-0297		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,391.55	144.05
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,659.56	173.48
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,993.07	202.78
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,056.79	320.25
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,485.19	497.11
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,335.93	734.38
26 28 16 16-0304		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,118.06	203.82
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,654.81	270.08
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,063.59	300.15
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,198.23	469.74
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,034.43	771.71
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,028.19	1,080.43
26 28 16 16-0311		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,560.18	225.09
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,919.98	300.15
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,276.99	337.63
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,465.23	514.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,494.13	831.10
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,624.62	1,200.49
26 28 16 16-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,531.62	203.82
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,171.82	270.08
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,098.11	300.15
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,612.89	469.74
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,818.67	771.71
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	23,854.41	1,080.43
26 28 16 16-0325		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,048.86	225.09
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,474.13	300.15
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,332.97	337.63
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,891.72	514.47
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,315.93	831.10
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	24,503.00	1,200.49
26 28 16 16-0332		Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,808.31	129.66
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,201.29	180.35
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,142.27	207.45
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,747.71	331.40
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,463.46	551.82
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,985.76	751.75
26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,056.42	143.02
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,507.84	202.27
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,720.82	230.53
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,531.72	360.18
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,882.52	592.78
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,068.08	829.80
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,886.64	168.81
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,280.99	234.94
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,380.73	270.08
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,591.72	432.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,525.47	720.37
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,890.78	982.28
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,142.86	186.31
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,630.48	263.59
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,860.07	300.15
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,750.78	469.74
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,476.86	771.71
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,076.71	1,080.43
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,593.67	168.81
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,110.29	234.94
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,996.64	270.08
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,673.50	432.14
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,950.89	186.31
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,544.80	263.59
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,979.00	300.15
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,149.96	469.74
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,431.79	224.95
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,912.21	300.15
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,030.17	337.76
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,151.38	514.73
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,213.39	186.05
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,684.28	263.86
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,645.68	300.15
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,034.02	470.00
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,923.84	224.95
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,462.81	300.15
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,071.43	337.76

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,678.95	186.05
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,205.61	263.86
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,645.12	300.15
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,104.07	259.32
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,505.27	308.71
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,887.32	348.52
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,247.17	540.28
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)*		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,411.96	308.71
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,822.57	348.52
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,188.11	540.28
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0402		Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	688.57	129.66
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	899.08	156.23
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,226.57	182.82
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,068.63	287.83
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,413.18	447.31
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,966.82	661.25
26 28 16 16-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,080.70	143.92
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,114.48	173.74
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,604.96	202.91
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,511.04	320.25
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,477.05	496.59
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	10,832.64	734.51
26 28 16 16-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	957.16	203.56
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,325.79	270.34
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,809.33	300.15
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,689.46	470.00
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,278.10	771.45
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,472.37	1,080.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,274.48	224.95
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,443.55	300.15
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,127.27	337.76
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,096.04	514.73
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,487.41	831.10
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,203.53	1,200.62
26 28 16 16-0431		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,022.77	203.56
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,370.86	270.34
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,950.80	300.15
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,867.08	470.00
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,753.66	771.45
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,793.65	1,080.68
26 28 16 16-0438		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,350.55	224.95
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,646.46	300.15
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,266.79	337.76
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,362.33	514.73
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,918.56	831.10
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,558.59	1,200.62
26 28 16 16-0445		Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)*		
26 28 16 16-0446		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	720.50	187.36
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	955.45	261.26
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,266.98	300.15
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,806.88	480.37
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,974.40	800.62
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,293.99	1,091.71
26 28 16 16-0453		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	803.09	206.80
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,061.90	293.03
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,412.10	333.22
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,963.21	521.87
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,208.25	857.68
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,954.05	1,200.62
26 28 16 16-0460		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	927.89	168.56
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,220.46	234.67
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,626.17	270.34
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,319.92	432.40
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,891.81	720.24
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,723.62	982.15
26 28 16 16-0467		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	907.73	186.05
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,319.63	263.86
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,741.56	300.15
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,290.08	470.00
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,910.37	771.45
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,198.96	1,080.68
26 28 16 16-0474		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,115.59	168.56
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,327.21	234.67
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,063.47	270.34
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,272.01	432.40
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,924.52	551.04
26 28 16 16-0480		**600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,158.82	186.05
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,446.45	263.86
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,204.42	300.15
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,361.62	470.00
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,299.27	726.08
26 28 16 16-0486		**Double Throw Safety Switches** *(26 28 16 16-0001)*		
26 28 16 16-0487		**NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0488		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	864.34	166.60
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,276.77	217.82
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,790.81	284.60
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,388.02	370.16
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,760.91	462.88
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,480.57	742.28
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,023.36	1,037.25
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,718.07	1,166.91
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,876.81	1,296.57
26 28 16 16-0498		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,090.75	233.38
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,522.51	304.69
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,291.65	398.69
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,365.00	518.62
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,938.48	648.28
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,077.77	1,037.25
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,967.80	1,166.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,546.58	1,296.57
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,988.58	1,426.22
26 28 16 16-0508	EA	1,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,469.47	1,685.53
26 28 16 16-0509	EA	2,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	28,988.68	1,944.85
26 28 16 16-0510	EA	2,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	39,473.60	2,204.16
26 28 16 16-0511	EA	3,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	43,356.73	2,463.47
26 28 16 16-0512		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0513	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,449.26	291.72
26 28 16 16-0514	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,108.38	381.19
26 28 16 16-0515	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,741.29	497.88
26 28 16 16-0516	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,124.82	646.99
26 28 16 16-0517	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,327.34	810.35
26 28 16 16-0518	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,066.68	1,298.51
26 28 16 16-0519	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,537.12	1,426.22
26 28 16 16-0520	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,997.94	1,491.05
26 28 16 16-0521	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,674.29	1,555.88
26 28 16 16-0522	EA	1,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	30,116.38	1,815.19
26 28 16 16-0523	EA	2,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	34,653.59	2,074.51
26 28 16 16-0524	EA	2,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	49,223.28	2,333.81
26 28 16 16-0525	EA	3,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	54,424.74	2,593.13
26 28 16 16-0526		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0527	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,474.53	217.82
26 28 16 16-0528	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,217.20	284.60
26 28 16 16-0529	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,268.20	370.16
26 28 16 16-0530	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,706.78	462.88
26 28 16 16-0531	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,391.72	742.28
26 28 16 16-0532	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,018.29	1,037.25
26 28 16 16-0533	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,256.49	1,166.91
26 28 16 16-0534	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,705.18	1,296.57
26 28 16 16-0535		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0536	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,648.08	304.69
26 28 16 16-0537	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,444.73	398.69
26 28 16 16-0538	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,563.87	518.62
26 28 16 16-0539	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,077.30	648.28
26 28 16 16-0540	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,983.50	1,037.25
26 28 16 16-0541	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,031.20	1,166.91
26 28 16 16-0542	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,306.26	1,296.57
26 28 16 16-0543	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,902.21	1,426.22
26 28 16 16-0544	EA	1,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	28,894.73	1,685.53
26 28 16 16-0545	EA	2,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	32,879.01	1,944.85
26 28 16 16-0546	EA	2,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	39,473.54	2,204.16
26 28 16 16-0547	EA	3,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	47,199.70	2,463.47
26 28 16 16-0548		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0549	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,232.15	381.19
26 28 16 16-0550	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,920.36	497.88
26 28 16 16-0551	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,494.63	646.99
26 28 16 16-0552	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,115.71	810.35
26 28 16 16-0553	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,949.65	1,298.51
26 28 16 16-0554	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,905.59	1,426.22
26 28 16 16-0555	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,899.53	1,491.05
26 28 16 16-0556	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,830.54	1,555.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0557	EA	1,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	32,764.98	1,815.19
26 28 16 16-0558	EA	2,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	37,704.05	2,074.51
26 28 16 16-0559	EA	2,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	53,678.85	2,333.81
26 28 16 16-0560	EA	3,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	59,348.59	2,593.13
26 28 16 16-0561		**NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0562		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0563	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,239.13	284.60
26 28 16 16-0564	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,139.74	370.16
26 28 16 16-0565	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	16,845.86	462.88
26 28 16 16-0566	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	29,014.74	742.28
26 28 16 16-0567		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0568	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,934.54	398.04
26 28 16 16-0569	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,739.75	517.98
26 28 16 16-0570	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,366.39	648.28
26 28 16 16-0571	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,867.90	1,039.20
26 28 16 16-0572		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0573	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,829.79	291.85
26 28 16 16-0574	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,508.79	380.93
26 28 16 16-0575	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,920.80	497.75
26 28 16 16-0576	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,117.17	647.25
26 28 16 16-0577	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,089.26	810.35
26 28 16 16-0578	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,097.28	1,298.64
26 28 16 16-0579		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0580	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,899.42	217.82
26 28 16 16-0581	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,891.74	284.60
26 28 16 16-0582	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,266.44	370.16
26 28 16 16-0583	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,137.28	462.88
26 28 16 16-0584	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,545.23	742.28
26 28 16 16-0585		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,150.86	304.69
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,241.79	398.04
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,800.28	517.98
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,992.65	648.28
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,770.98	1,039.20
26 28 16 16-0591		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,537.46	380.93
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,933.95	497.75
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,299.74	647.25
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,067.70	810.35
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,216.10	1,298.64
26 28 16 16-0597		**NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0598		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0599	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,265.65	166.73
26 28 16 16-0600	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,565.94	217.69
26 28 16 16-0601	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,902.84	284.47
26 28 16 16-0602	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,990.93	369.91
26 28 16 16-0603	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,460.40	463.01
26 28 16 16-0604	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,939.76	742.02
26 28 16 16-0605		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0606	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,602.93	233.38
26 28 16 16-0607	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,078.37	304.69
26 28 16 16-0608	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,652.58	398.04
26 28 16 16-0609	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,093.10	517.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0610	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,287.56	648.28
26 28 16 16-0611	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,269.82	1,039.20
26 28 16 16-0612		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0613	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,889.78	291.85
26 28 16 16-0614	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,550.45	380.93
26 28 16 16-0615	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,239.19	497.75
26 28 16 16-0616	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,476.04	647.25
26 28 16 16-0617	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,696.72	810.35
26 28 16 16-0618	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	19,498.48	1,298.64
26 28 16 16-0619		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0620	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,386.24	217.69
26 28 16 16-0621	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,559.95	284.47
26 28 16 16-0622	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,752.05	369.91
26 28 16 16-0623	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,744.77	463.01
26 28 16 16-0624	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,082.78	742.02
26 28 16 16-0625		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0626	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,715.67	304.69
26 28 16 16-0627	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,945.05	398.04
26 28 16 16-0628	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,363.84	517.98
26 28 16 16-0629	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,579.11	648.28
26 28 16 16-0630	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	14,283.70	1,039.20
26 28 16 16-0631		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0632	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,597.18	380.93
26 28 16 16-0633	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,583.92	497.75
26 28 16 16-0634	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,679.23	647.25
26 28 16 16-0635	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,134.07	810.35
26 28 16 16-0636	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,078.19	1,298.64
26 28 16 16-0637		**Removal And Reinstallation Of Disconnect (Safety) Switches** *(26 28 16 16-0001)* Note: Includes storage and cleaning.		
26 28 16 16-0638	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	648.28	
26 28 16 16-0639	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	842.80	
26 28 16 16-0640	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	940.08	
26 28 16 16-0641	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	1,102.15	
26 28 16 16-0642		**Bolted Contact Switches** *(26 28 16 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0643		**Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0642)*		
26 28 16 16-0644		**Top Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0643)*		
26 28 16 16-0645	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	10,486.43	1,296.57
26 28 16 16-0646	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	11,343.72	1,555.88
26 28 16 16-0647	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	12,337.76	1,815.19
26 28 16 16-0648	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	13,019.21	2,074.51
26 28 16 16-0649	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	14,703.60	2,333.81
26 28 16 16-0650	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	18,458.99	2,593.13
26 28 16 16-0651	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	24,901.72	3,111.76
26 28 16 16-0652		**Bottom Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0643)*		
26 28 16 16-0653	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	11,118.16	1,296.57
26 28 16 16-0654	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	12,099.18	1,555.88
26 28 16 16-0655	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	13,086.71	1,815.19
26 28 16 16-0656	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	14,093.79	2,074.51
26 28 16 16-0657	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	15,862.84	2,333.81
26 28 16 16-0658	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	20,634.21	2,593.13
26 28 16 16-0659	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	27,168.11	3,111.76
26 28 16 16-0660		**Manually Operated, Bolted Contact Switches** *(26 28 16 16-0642)*		
26 28 16 16-0661		**Top Feed, Manually Operated, Bolted Contact Switches** *(26 28 16 16-0660)*		
26 28 16 16-0662	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	7,646.93	1,296.57
26 28 16 16-0663	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	8,538.08	1,555.88
26 28 16 16-0664	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	9,482.62	1,815.19
26 28 16 16-0665	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	10,419.37	2,074.51
26 28 16 16-0666	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	11,421.23	2,333.81
26 28 16 16-0667	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	15,176.63	2,593.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0668	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	21,541.20	3,111.76

26 28 16 16-0669 Bottom Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*

26 28 16 16-0670	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	8,065.04	1,296.57
26 28 16 16-0671	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	9,169.80	1,555.88
26 28 16 16-0672	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	10,094.81	1,815.19
26 28 16 16-0673	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	11,228.23	2,074.51
26 28 16 16-0674	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	12,437.20	2,333.81
26 28 16 16-0675	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	17,189.03	2,593.13
26 28 16 16-0676	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	23,651.29	3,111.76

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001 Manual Motor Starters *(26 29 13 13)*

26 29 13 13-0002 Fractional HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	249.58	64.92
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	326.96	84.40
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	282.98	64.92
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	360.37	84.40
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	264.05	64.92
		For Oversized Enclosure, Add	*33.41*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	345.89	84.40
		For Oversized Enclosure, Add	*33.41*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	536.12	77.91
		For Pilot Light, Add	*128.06*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	616.84	97.39
		For Pilot Light, Add	*128.06*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	569.52	77.91
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	646.90	97.39

26 29 13 13-0013 Non-Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1)	200.78	64.92
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2)	328.92	84.40
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5)	226.65	71.42
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6)	355.86	90.90
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3)	231.94	64.92
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	361.15	84.40
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	493.22	77.91
		For Pilot Light, Add	*122.49*	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	609.53	97.39
		For Pilot Light, Add	*122.49*	
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	520.18	84.40
		For Pilot Light, Add	*122.49*	
26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	633.26	103.88
		For Pilot Light, Add	*122.49*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	523.30	77.91
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	648.21	97.39
26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	146.77	45.45
		For Pilot Light, Add	*77.36*	
26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	274.91	64.92
		For Pilot Light, Add	*77.36*	
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	172.65	51.95
		For Pilot Light, Add	*77.36*	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	300.79	71.42
		For Pilot Light, Add	*77.36*	

26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	542.12	116.87
		For Pilot Light, Add	*124.64*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	785.50	155.83
		For Pilot Light, Add	*124.64*	

26 29 13 13-0033 Two Speed Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	542.12	116.87
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	785.50	155.83

26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	497.71	77.91
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	497.71	77.91
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	1,031.45	90.90
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	1,031.45	90.90
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,347.70	90.90
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	633.91	90.90
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	425.34	58.43
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	590.88	84.40
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	590.88	84.40
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	1,234.86	97.39
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	1,234.86	97.39
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,575.60	97.39
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	727.08	97.39
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	518.51	64.92
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	776.45	90.90
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	776.45	90.90
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,468.33	103.88
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,468.33	103.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,794.60	103.88
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	916.01	103.88
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	707.43	71.42
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	616.29	97.39
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	616.29	97.39
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	1,150.04	110.38
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	1,150.04	110.38
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,475.20	110.38
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	753.61	110.38
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	547.27	77.91
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	709.45	103.88
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	709.45	103.88
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,353.45	116.87
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,353.45	116.87
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,701.99	116.87
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	845.67	116.87
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	637.10	84.40

26 29 13 13-0072 Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,440.29	136.35
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,440.29	136.35
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,267.72	97.39
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,703.44	149.34
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,530.87	110.38

26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,440.29	136.35
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,267.72	97.39
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,703.44	149.34
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,530.87	110.38

26 29 13 13-0083 Magnetic Motor Starters *(26 29 13 13)*

26 29 13 13-0084 Non-Reversing, Magnetic Contactors *(26 29 13 13-0083)*

26 29 13 13-0085 Open Enclosure, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11)	579.30	129.86
		For Factory Installed Accessory, Deduct	*-259.71*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12)	652.05	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5)	626.07	129.86
		For Factory Installed Accessory, Deduct	*-259.71*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1)	699.93	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	772.66	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	976.41	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	1,229.15	233.74
		For Factory Installed Accessory, Deduct	*-467.48*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	730.00	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	802.73	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	877.69	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	1,121.51	227.25
		For Factory Installed Accessory, Deduct	*-454.49*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,373.13	266.21
		For Factory Installed Accessory, Deduct	*-532.40*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,232.56	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,371.72	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,787.75	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,848.32	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	2,106.22	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,679.28	324.63
		For Factory Installed Accessory, Deduct	*-649.27*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	3,824.69	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	4,170.32	324.63
		For Factory Installed Accessory, Deduct	*-649.27*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	4,586.36	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	6,206.15	454.49
		For Factory Installed Accessory, Deduct	*-908.98*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	8,409.19	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	9,335.92	519.41
		For Factory Installed Accessory, Deduct	*-1,038.84*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	24,206.78	779.13
		For Factory Installed Accessory, Deduct	*-1,558.25*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	34,661.58	1,168.69
		For Factory Installed Accessory, Deduct	*-2,337.39*	

26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	613.82	129.86
		For Factory Installed Accessory, Deduct	*-259.71*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	686.57	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	660.59	129.86
		For Factory Installed Accessory, Deduct	*-259.71*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	735.57	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	808.29	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	1,014.27	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	1,268.12	233.74
		For Factory Installed Accessory, Deduct	*-467.48*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	766.74	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	841.70	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	914.44	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	1,159.37	227.25
		For Factory Installed Accessory, Deduct	*-454.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4)	1,409.88	266.21
		For Factory Installed Accessory, Deduct	*-532.40*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1)	1,397.36	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2)	1,537.64	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3)	1,952.55	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1)	2,172.37	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2)	2,429.15	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3)	3,003.32	324.63
		For Factory Installed Accessory, Deduct	*-649.27*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1)	4,841.79	324.63
		For Factory Installed Accessory, Deduct	*-649.27*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2)	5,257.84	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2)	10,559.71	519.41
		For Factory Installed Accessory, Deduct	*-1,038.84*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2)	29,588.58	779.13
		For Factory Installed Accessory, Deduct	*-1,558.25*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2)	40,058.96	1,168.69
		For Factory Installed Accessory, Deduct	*-2,337.39*	

26 29 13 13-0136 NEMA 12, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1)	925.98	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2)	998.71	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2)	1,104.86	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1)	1,744.79	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2)	1,886.18	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1)	2,584.38	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2)	2,840.05	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2)	6,621.94	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2)	14,050.70	519.41
		For Factory Installed Accessory, Deduct	*-1,038.84*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2)	33,869.07	779.13
		For Factory Installed Accessory, Deduct	*-1,558.25*	

26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12)	1,363.96	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11)	1,412.95	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12)	1,485.69	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13)	1,730.62	227.25
		For Factory Installed Accessory, Deduct	*-454.49*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12)	2,680.15	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12)	4,046.03	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12)	8,018.33	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)	14,050.70	519.41
		For Factory Installed Accessory, Deduct	*-1,038.84*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)	37,517.07	779.13
		For Factory Installed Accessory, Deduct	*-1,558.25*	

26 29 13 13-0157 NEMA 7/9, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Bolted cast iron enclosure.

26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2)	2,720.58	207.77
		For Factory Installed Accessory, Deduct	*-415.53*	

26 29 13 13-0159 Non-Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0160 Open Enclosure, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	689.54	129.86
		For Factory Installed Accessory, Deduct	*-259.71*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	715.52	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	770.09	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	851.72	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,368.34	233.74
		For Factory Installed Accessory, Deduct	*-467.48*	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	876.22	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	1,028.02	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	1,074.79	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,333.89	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,515.37	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	2,343.41	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	4,951.61	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	11,230.07	519.41
		For Factory Installed Accessory, Deduct	*-1,038.84*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	25,784.69	779.13
		For Factory Installed Accessory, Deduct	*-1,558.25*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	37,147.03	1,168.69
		For Factory Installed Accessory, Deduct	*-2,337.39*	

26 29 13 13-0176 NEMA 1, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	726.29	129.86
		For Factory Installed Accessory, Deduct	*-259.71*	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	752.27	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	806.83	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	888.47	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	911.85	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	994.62	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	1,112.65	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,499.81	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,681.29	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,667.45	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,623.08	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	12,457.20	519.41
		For Factory Installed Accessory, Deduct	*-1,038.84*	

26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)	997.25	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)	1,078.89	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	1,102.27	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)	1,185.03	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)	1,303.07	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)	1,848.35	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)	2,028.72	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	3,078.35	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	6,986.07	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)	15,944.85	519.41
		For Factory Installed Accessory, Deduct	*-1,038.84*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)	38,001.47	779.13
		For Factory Installed Accessory, Deduct	*-1,558.25*	

26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)	997.25	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)	1,078.89	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)	1,102.27	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)	1,185.03	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)	1,303.07	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)	1,848.35	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)	2,028.72	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)	3,078.35	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)	6,986.07	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0211		NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*			
		Note: Bolted cast aluminum enclosure.			
26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)		2,835.64	220.75
		For Factory Installed Accessory, Deduct		*-441.50*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)		3,483.72	220.75
		For Factory Installed Accessory, Deduct		*-441.50*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)		3,589.88	233.74
		For Factory Installed Accessory, Deduct		*-467.48*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)		5,560.46	259.71
		For Factory Installed Accessory, Deduct		*-519.41*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)		6,705.88	324.63
		For Factory Installed Accessory, Deduct		*-649.27*	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)		10,683.74	454.49
		For Factory Installed Accessory, Deduct		*-908.98*	
26 29 13 13-0218		NEMA 4/4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*			
		Note: Brushed stainless steel enclosure.			
26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)		1,361.38	142.84
		For Factory Installed Accessory, Deduct		*-285.69*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)		1,444.13	155.83
		For Factory Installed Accessory, Deduct		*-311.65*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11)		1,483.11	155.83
		For Factory Installed Accessory, Deduct		*-311.65*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13)		1,565.87	168.82
		For Factory Installed Accessory, Deduct		*-337.62*	
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12)		1,683.90	168.82
		For Factory Installed Accessory, Deduct		*-337.62*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16)		2,640.09	155.83
		For Factory Installed Accessory, Deduct		*-311.65*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11)		4,283.22	259.71
		For Factory Installed Accessory, Deduct		*-519.41*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11)		8,381.35	389.57
		For Factory Installed Accessory, Deduct		*-779.13*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11)		18,627.39	519.41
		For Factory Installed Accessory, Deduct		*-1,038.84*	
26 29 13 13-0228		NEMA 4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*			
		Note: Glass polyester enclosure.			
26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21)		2,823.79	194.78
		For Factory Installed Accessory, Deduct		*-389.57*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21)		5,225.28	259.71
		For Factory Installed Accessory, Deduct		*-519.41*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21)		10,283.30	389.57
		For Factory Installed Accessory, Deduct		*-779.13*	
26 29 13 13-0232		NEMA 7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*			
		Note: Bolted cast iron enclosure.			
26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1)		2,743.97	207.77
		For Factory Installed Accessory, Deduct		*-415.53*	
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2)		2,835.64	220.75
		For Factory Installed Accessory, Deduct		*-441.50*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1)		2,875.72	220.75
		For Factory Installed Accessory, Deduct		*-441.50*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3)		2,962.95	233.74
		For Factory Installed Accessory, Deduct		*-467.48*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2)		3,098.80	233.74
		For Factory Installed Accessory, Deduct		*-467.48*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1)		4,553.81	259.71
		For Factory Installed Accessory, Deduct		*-519.41*	
26 29 13 13-0239		Reversing, Magnetic Starters *(26 29 13 13-0083)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0240		**Open Enclosure, Reversing, Magnetic Starters** *(26 29 13 13-0239)*		
26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,298.62	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,368.77	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,515.00	181.79
		For Factory Installed Accessory, Deduct	*-363.59*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,572.16	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,611.14	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,723.95	207.77
		For Factory Installed Accessory, Deduct	*-415.53*	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,796.32	227.25
		For Factory Installed Accessory, Deduct	*-454.49*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,836.41	227.25
		For Factory Installed Accessory, Deduct	*-454.49*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	3,135.14	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	5,124.21	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	11,780.84	584.35
		For Factory Installed Accessory, Deduct	*-1,168.69*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	21,946.27	779.13
		For Factory Installed Accessory, Deduct	*-1,558.25*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	71,061.86	1,428.41
		For Factory Installed Accessory, Deduct	*-2,856.80*	
26 29 13 13-0254		**NEMA 1, Reversing, Magnetic Starters** *(26 29 13 13-0239)*		
26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,339.46	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,398.84	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,438.92	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,581.82	181.79
		For Factory Installed Accessory, Deduct	*-363.59*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,641.20	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,681.29	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,824.17	207.77
		For Factory Installed Accessory, Deduct	*-415.53*	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,896.54	227.25
		For Factory Installed Accessory, Deduct	*-454.49*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,936.63	227.25
		For Factory Installed Accessory, Deduct	*-454.49*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,395.71	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	5,575.20	389.57
		For Factory Installed Accessory, Deduct	*-779.13*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	12,609.32	584.35
		For Factory Installed Accessory, Deduct	*-1,168.69*	
26 29 13 13-0267		**NEMA 12, Reversing, Magnetic Starters** *(26 29 13 13-0239)*		
26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,926.27	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,966.36	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,221.70	227.25
		For Factory Installed Accessory, Deduct	*-454.49*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,872.32	259.71
		For Factory Installed Accessory, Deduct	*-519.41*	

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,409.55	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,839.73	207.77
		For Factory Installed Accessory, Deduct	*-415.53*	

26 29 13 13-0275 Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*

26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	179.77	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	305.49	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	179.77	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	305.49	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	305.49	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	151.68	12.99
		For Factory Installed Accessory, Deduct	*-25.97*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	135.18	12.99
		For Factory Installed Accessory, Deduct	*-25.97*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	179.77	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	151.68	12.99
		For Factory Installed Accessory, Deduct	*-25.97*	
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	202.63	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	226.60	12.99
		For Factory Installed Accessory, Deduct	*-25.97*	
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	390.41	12.99
		For Factory Installed Accessory, Deduct	*-25.97*	
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	414.54	12.99
		For Factory Installed Accessory, Deduct	*-25.97*	
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	495.96	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	865.49	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	865.49	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	52.63	9.74
		For Factory Installed Accessory, Deduct	*-19.48*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	107.24	12.99
		For Factory Installed Accessory, Deduct	*-25.97*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	141.68	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	111.20	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	61.78	9.74
		For Factory Installed Accessory, Deduct	*-19.48*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	37.65	9.74
		For Factory Installed Accessory, Deduct	*-19.48*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	197.40	12.99
		For Factory Installed Accessory, Deduct	*-25.97*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	341.04	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	

26 29 13 13-0300 Definite Purpose Starters *(26 29 13 13)*

26 29 13 13-0301 Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	642.37	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	641.26	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	693.96	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	682.46	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	741.84	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	718.10	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	833.88	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	926.30	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,164.94	227.25
		For Factory Installed Accessory, Deduct	*-454.49*	

26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	655.39	142.84
		For Factory Installed Accessory, Deduct	*-285.69*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	708.07	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	705.85	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	761.88	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	748.16	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	808.65	168.82
		For Factory Installed Accessory, Deduct	*-337.62*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	786.02	155.83
		For Factory Installed Accessory, Deduct	*-311.65*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	900.69	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	989.77	194.78
		For Factory Installed Accessory, Deduct	*-389.57*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	1,229.52	227.25
		For Factory Installed Accessory, Deduct	*-454.49*	

26 29 13 13-0322 Definite Purpose Starter Accessory *(26 29 13 13-0300)*

26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	202.63	16.23
		For Factory Installed Accessory, Deduct	*-32.47*	

26 29 13 13-0324 Panel Mounted Miniature Contactor *(26 29 13 13)*

26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	193.33	64.92
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	226.36	71.42
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	226.36	71.42
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	251.60	77.91
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	213.38	64.92
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	224.51	64.92
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	245.29	71.42
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	256.42	71.42
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	251.97	71.42
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	256.42	71.42
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	273.87	77.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	263.10	71.42
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	285.00	77.91
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	265.33	71.42
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	265.33	71.42
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	296.14	77.91
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	296.14	77.91
26 29 13 13-0343		**Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	274.62	64.92
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	296.89	64.92
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	328.80	71.42
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	328.80	71.42
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	351.07	71.42
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	368.52	77.91
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	368.52	77.91
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	315.82	64.92
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	338.09	64.92
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	367.78	71.42
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	390.05	71.42
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	414.17	77.91
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	436.45	77.91
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	355.53	71.42
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	407.87	71.42
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	460.94	77.91
26 29 13 13-0360		**Panel Mounted Miniature Contactor Accessories** *(26 29 13 13-0324)*		
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	82.40	32.47
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	91.00	32.47
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	106.57	32.47
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	137.54	32.47
26 29 13 13-0365		**Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole** *(26 29 13 13)*		
26 29 13 13-0366		**NEMA 1 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	7,774.17	622.36
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	13,540.48	829.80
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	23,644.06	985.39
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	57,508.13	1,205.80
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	91,703.46	1,542.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0372		**NEMA 12 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	7,720.00	635.57
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	13,441.55	831.10
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	23,463.48	982.28
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	57,049.12	1,200.49
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	90,965.34	1,543.56
26 29 13 13-0378		**Factory Modifications Pilot Devices** *(26 29 13 13-0365)*		
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	191.52	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	211.22	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	359.54	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	195.35	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	280.89	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	140.44	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	458.40	
26 29 13 13-0386		**Factory Modifications Meters** *(26 29 13 13-0365)*		
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,842.64	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,779.73	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	629.19	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	521.35	
26 29 13 13-0391		**Factory Modifications Main Circuit Breakers** *(26 29 13 13-0365)*		
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,435.31	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,453.89	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	9,473.85	
26 29 13 13-0395		**Factory Modifications Addition** *(26 29 13 13-0365)*		
		Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0400		**Combination Starters Non-Reversing** *(26 29 13 13)*		
26 29 13 13-0401		**240-600 Volt, 3-Pole** *(26 29 13 13-0400)*		
26 29 13 13-0402		**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,884.98	298.21
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,294.85	466.76
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,226.37	544.56
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,922.39	674.21
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,050.43	1,076.15
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,169.56	1,348.43
26 29 13 13-0409		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,393.22	298.21
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,803.09	466.76
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,720.49	544.56
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,190.63	674.21
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,589.26	1,076.15
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	22,249.60	1,348.43
26 29 13 13-0416		**Factory Modifications For NEMA 1 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	231.45	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	543.62	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	375.19	
26 29 13 13-0420		**NEMA 4 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,440.37	388.97
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,791.08	544.56
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,435.85	596.42
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,654.81	726.08
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	13,709.29	1,076.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	30,056.73	1,348.43
26 29 13 13-0427		**NEMA 4 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,948.61	388.97
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,299.32	544.56
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,929.98	596.42
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,923.05	726.08
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,248.13	1,076.15
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	28,461.42	1,348.43
26 29 13 13-0434		**Factory Modifications For NEMA 4 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	231.48	
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	543.62	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	375.19	
26 29 13 13-0438		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,949.21	300.15
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,362.61	469.74
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,333.66	540.28
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,100.97	675.26
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,394.89	1,080.55
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,942.96	1,350.50
26 29 13 13-0445		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,556.09	300.15
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,972.37	469.74
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,960.31	540.28
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,539.44	675.26
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	11,354.87	1,080.55
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	24,025.33	1,350.50
26 29 13 13-0452		**Factory Modifications For NEMA 12 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	229.55	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	539.10	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	372.06	
26 29 13 13-0456		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,498.15	622.36
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,092.86	829.80
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,646.51	1,140.98
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,863.08	1,555.88
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	14,846.35	2,178.23
26 29 13 13-0462		**Factory Modifications For NEMA 7 Or 9 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0466		**Combination Starters Reversing** *(26 29 13 13)*		
26 29 13 13-0467		**240-600 Volt, 3 Pole** *(26 29 13 13-0466)*		
26 29 13 13-0468		**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,331.32	388.97
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,713.96	544.56
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,930.98	596.42
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,965.20	726.08
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	11,637.25	1,076.15
26 29 13 13-0474		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,599.48	388.97
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,000.21	544.56
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,266.08	596.42
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,503.85	726.08
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,543.65	1,076.15
26 29 13 13-0480		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,487.26	400.25
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,880.34	540.28
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,209.09	600.31
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,426.05	720.37
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	12,602.47	1,080.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0486		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,782.74	400.25
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,195.75	540.28
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,578.33	600.31
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,917.72	720.37
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,601.19	1,080.55
26 29 13 13-0492		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,460.39	829.80
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,877.22	1,037.25
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	8,440.37	1,348.43
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,402.11	1,763.32
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	24,405.66	2,385.68
26 29 13 13-0498		**Solid State Motor Controllers** *(26 29 13 13)*		
26 29 13 13-0499		**Adjustable Voltage Drives, DC Motors** *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,845.35	233.38
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	2,220.59	233.38
26 29 13 13-0502		**Removal And Reinstallation Of Motor Starters** *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	926.11	
26 29 13 13-0504		**Auxiliary Devices** *(26 29 13 13)*		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	551.47	129.66
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	551.47	129.66
26 29 13 13-0507	EA	Pilot Light Kit	580.95	129.66
26 29 23		**Variable-Frequency Motor Controllers** *(26 29)*		
26 29 23 00-0001		**208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives** *(26 29 23)* Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	2,251.82	479.89
		For 6-Pulse Drive Package, Deduct	*-710.56*	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,531.45	524.49
		For 6-Pulse Drive Package, Deduct	*-818.03*	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,935.00	576.71
		For 6-Pulse Drive Package, Deduct	*-979.86*	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	3,082.22	554.35
		For 6-Pulse Drive Package, Deduct	*-1,085.44*	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	3,306.44	604.40
		For 6-Pulse Drive Package, Deduct	*-1,153.71*	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,565.05	604.40
		For 6-Pulse Drive Package, Deduct	*-1,295.95*	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	4,259.32	721.65
		For 6-Pulse Drive Package, Deduct	*-1,548.82*	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,632.87	721.65
		For 6-Pulse Drive Package, Deduct	*-1,754.27*	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	6,138.58	1,086.58
		For 6-Pulse Drive Package, Deduct	*-2,180.99*	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	7,173.04	1,086.58
		For 6-Pulse Drive Package, Deduct	*-2,749.94*	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	8,777.38	1,443.41
		For 6-Pulse Drive Package, Deduct	*-3,239.87*	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	10,070.45	1,443.41
		For 6-Pulse Drive Package, Deduct	*-3,951.06*	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	11,191.12	1,443.41
		For 6-Pulse Drive Package, Deduct	*-4,567.43*	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	14,740.90	1,824.66
		For 6-Pulse Drive Package, Deduct	*-6,100.44*	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	17,765.04	2,158.53
		For 6-Pulse Drive Package, Deduct	*-7,396.39*	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	20,063.84	2,158.53
		For 6-Pulse Drive Package, Deduct	*-8,660.73*	
26 29 23 00-0018		**460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives** *(26 29 23)* Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0019	EA	3 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,290.01	863.44
		For 6-Pulse Drive Package, Deduct	*-1,959.73*	
26 29 23 00-0020	EA	5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,462.42	863.44
		For 6-Pulse Drive Package, Deduct	*-2,054.55*	
26 29 23 00-0021	EA	7.5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,994.17	1,028.80
		For 6-Pulse Drive Package, Deduct	*-2,165.19*	
26 29 23 00-0022	EA	10 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,022.90	1,028.80
		For 6-Pulse Drive Package, Deduct	*-2,180.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0023	EA	15 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,119.28	1,559.70
		For 6-Pulse Drive Package, Deduct	*-2,749.94*	
26 29 23 00-0024	EA	20 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,521.57	1,559.70
		For 6-Pulse Drive Package, Deduct	*-2,971.20*	
26 29 23 00-0025	EA	25 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	10,293.09	2,057.59
		For 6-Pulse Drive Package, Deduct	*-3,397.91*	
26 29 23 00-0026	EA	30 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	11,729.85	2,057.59
		For 6-Pulse Drive Package, Deduct	*-4,188.13*	
26 29 23 00-0027	EA	40 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	13,224.07	2,057.59
		For 6-Pulse Drive Package, Deduct	*-5,009.95*	
26 29 23 00-0028	EA	50 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	17,295.85	2,613.64
		For 6-Pulse Drive Package, Deduct	*-6,637.79*	
26 29 23 00-0029	EA	60 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	22,980.13	3,099.45
		For 6-Pulse Drive Package, Deduct	*-9,229.68*	
26 29 23 00-0030	EA	75 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	24,359.41	3,099.45
		For 6-Pulse Drive Package, Deduct	*-9,988.29*	
26 29 23 00-0031	EA	100 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	28,171.26	3,453.74
		For 6-Pulse Drive Package, Deduct	*-11,695.15*	
26 29 23 00-0032	EA	125 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	29,665.48	3,453.74
		For 6-Pulse Drive Package, Deduct	*-12,516.97*	
26 29 23 00-0033	EA	150 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	32,768.86	3,453.74
		For 6-Pulse Drive Package, Deduct	*-14,223.83*	
26 29 23 00-0034	EA	200 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	37,876.09	4,168.26
		For 6-Pulse Drive Package, Deduct	*-16,246.77*	
26 29 23 00-0035	EA	250 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	47,195.09	4,354.29
		For 6-Pulse Drive Package, Deduct	*-21,167.58*	
26 29 23 00-0036	EA	300 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	55,325.13	4,996.39
		For 6-Pulse Drive Package, Deduct	*-24,932.79*	
26 29 23 00-0037	EA	350 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	63,570.93	5,418.74
		For 6-Pulse Drive Package, Deduct	*-29,003.33*	
26 29 23 00-0038	EA	400 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	73,577.78	5,851.13
		For 6-Pulse Drive Package, Deduct	*-34,031.61*	
26 29 23 00-0039	EA	450 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	79,307.90	6,344.92
		For 6-Pulse Drive Package, Deduct	*-36,639.94*	

26 29 33 Controllers for Fire Pump Drivers *(26 29)*

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers *(26 29 33)*

26 29 33 13-0001 Electric Controllers For Fire Pumps *(26 29 33 13)*

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller *(26 29 33 13-0001)*

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	23,626.99	219.54
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,749.89	243.93
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,045.11	268.32
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	31,979.26	292.72
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	33,786.40	341.50
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	36,001.94	439.07
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	39,021.31	487.86
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	44,628.52	556.16
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	53,792.58	600.07
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	63,221.18	683.00
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	75,441.12	731.79
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	85,174.42	780.58

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers *(26 29 33)*

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment *(26)*

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,265.03	123.17
		For >25 To 50, Deduct	*-163.72*	
		For >50 To 100, Deduct	*-220.34*	
		For >100, Deduct	*-327.44*	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,374.45	123.17
		For >25 To 50, Deduct	*-171.93*	
		For >50 To 100, Deduct	*-231.29*	
		For >100, Deduct	*-343.85*	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,222.10	123.17
		For >25 To 50, Deduct	*-160.50*	
		For >50 To 100, Deduct	*-216.05*	
		For >100, Deduct	*-321.00*	
26 31 00 00-0006		**Sharp Rigid Photovoltaic Modules** *(26 31 00 00-0001)*		
26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,772.30	123.17
		For >25 To 50, Deduct	*-126.76*	
		For >50 To 100, Deduct	*-171.07*	
		For >100, Deduct	*-253.53*	
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	2,016.55	123.17
		For >25 To 50, Deduct	*-145.08*	
		For >50 To 100, Deduct	*-195.50*	
		For >100, Deduct	*-290.17*	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	2,055.24	123.17
		For >25 To 50, Deduct	*-147.98*	
		For >50 To 100, Deduct	*-199.37*	
		For >100, Deduct	*-295.97*	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,934.32	123.17
		For >25 To 50, Deduct	*-138.92*	
		For >50 To 100, Deduct	*-187.27*	
		For >100, Deduct	*-277.83*	
26 31 00 00-0011		**BP Solar Rigid Photovoltaic Modules** *(26 31 00 00-0001)*		
		Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	872.57	123.17
		For >25 To 50, Deduct	*-59.28*	
		For >50 To 100, Deduct	*-81.10*	
		For >100, Deduct	*-118.57*	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	1,078.12	123.17
		For >25 To 50, Deduct	*-74.70*	
		For >50 To 100, Deduct	*-101.65*	
		For >100, Deduct	*-149.40*	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,160.35	123.17
		For >25 To 50, Deduct	*-80.87*	
		For >50 To 100, Deduct	*-109.88*	
		For >100, Deduct	*-161.74*	
26 31 00 00-0015		**Photovoltaic Inverters** *(26 31)*		
26 31 00 00-0016		**Fronius Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,400.85	129.66
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	7,124.98	129.66
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,521.09	129.66
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,409.82	129.66
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	13,318.66	129.66
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,482.52	129.66
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,604.90	259.32
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	15,954.51	259.32
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894)	472.33	64.82
26 31 00 00-0026		**SMA Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	4,010.05	129.66
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,813.99	129.66
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,563.22	129.66
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	6,135.19	129.66
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	5,942.52	129.66
26 31 00 00-0032		**PVPowered Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	4,963.23	129.66
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,190.98	129.66
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,735.66	129.66
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,800.66	162.07
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,291.51	194.48
26 31 00 00-0038	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,360.85	194.48
26 31 00 00-0039	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	8,822.31	194.48
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,209.17	1,037.25
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,348.45	1,037.25
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	113,998.54	1,037.25
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	105,680.83	1,037.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0044		**Solectria Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,543.36	259.32
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,543.36	259.32
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	17,027.32	259.32
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	17,027.32	259.32
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	51,834.83	777.94
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	49,414.99	777.94
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	56,674.52	777.94
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	55,330.16	777.94
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	60,169.85	777.94
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	57,481.13	777.94
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	63,377.19	1,037.25
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	60,419.60	1,037.25
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	65,797.03	1,037.25
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	62,301.70	1,037.25
26 31 00 00-0059		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	691.76	32.42
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	754.04	32.42
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,211.67	32.42
26 31 00 00-0063		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0064	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	406.78	48.62
26 31 00 00-0065	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	271.36	48.62
26 31 00 00-0066	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	755.02	48.62
26 31 00 00-0067		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0068		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	487.67	129.66
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	475.13	129.66
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	755.94	194.48
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	760.33	194.48
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,167.14	194.48
26 31 00 00-0074		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,079.59	129.66
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,293.31	129.66
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,504.92	259.32
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,758.92	259.32
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	963.93	129.66
26 31 00 00-0080		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0081	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	324.56	48.62
26 31 00 00-0082	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	433.38	48.62
26 31 00 00-0083	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	505.93	48.62
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	387.44	48.62
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	1,343.53	64.82
26 31 00 00-0086		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0087		**Concorde Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0088	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	299.83	19.45
26 31 00 00-0089	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	378.03	25.93
26 31 00 00-0090	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	409.66	25.93
26 31 00 00-0091	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	469.18	38.90
26 31 00 00-0092	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	534.41	38.90
26 31 00 00-0093	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	634.36	45.38
26 31 00 00-0094	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	727.52	51.87
26 31 00 00-0095	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	719.08	51.87
26 31 00 00-0096	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,319.09	61.59
26 31 00 00-0097	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,525.62	64.82
26 31 00 00-0098		**Deka Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	314.00	32.47
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	432.50	32.47
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	638.06	32.47
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	729.95	32.47
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	732.37	32.47
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	1,419.17	32.47
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,641.65	32.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0106		**Battery Enclosures** *(26 31 00 00-0086)*		
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	355.02	32.42
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,740.80	32.47
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,636.82	32.47
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	2,180.93	32.47
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	971.78	32.47
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	2,284.92	32.47
26 31 00 00-0113		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	749.23	64.82
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,550.26	32.42
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	1,295.20	32.42
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	238.50	32.42
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	589.82	64.82
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	1,524.87	32.42
26 31 00 00-0120	EA	RS 485 Module (SMA)	346.29	32.42
26 31 00 00-0121	EA	RS 232 Module (SMA)	355.02	32.42
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	665.82	
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	359.72	32.42
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	357.29	32.42
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	675.35	32.42
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	320.98	9.72
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	6,202.94	
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	673.93	32.42
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	676.43	
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	220.78	
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	400.91	32.42
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	339.00	32.42
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	1,335.11	32.42
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	868.02	32.42
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	1,507.48	32.42
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	2,591.34	32.42
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	695.28	32.42
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	495.72	32.42
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	326.44	32.42
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	1,394.45	32.42
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	153.46	32.42
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	483.44	32.42
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	538.56	32.42
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	283.05	64.82
26 31 00 00-0145		**Photovoltaic System Accessories** *(26 31)*		
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	1,027.41	64.82
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	2,239.91	129.66
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	171.80	9.72
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	258.86	9.72
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	39.43	3.21
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	42.35	3.21
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	44.00	3.21
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	48.57	3.21
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	55.43	3.21
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	88.01	6.41
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	109.29	6.41
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	143.43	9.63
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	49.71	3.21
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	69.14	3.21
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	101.72	6.41
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	136.00	6.41
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	220.58	12.84
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	230.26	12.84
26 31 00 00-0164	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery Note: Tamper proof enclosure.	4,103.27	350.07
26 31 00 00-0165		**Photovoltaic Mounting Systems** *(26 31)*		
26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	13.99	3.24
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	40.00	16.20
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	50.77	16.20
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	26.85	6.48
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	12.73	4.86
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	27.35	6.48
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	7.33	2.16
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	7.68	2.16
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	19.00	6.48
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	113.23	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	125.42	32.42
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	135.24	32.42
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	166.31	48.62
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	202.87	48.62
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	236.05	48.62
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	259.67	64.82
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	347.02	64.82
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	487.67	97.24
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	238.08	
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	443.75	
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	88.89	32.42
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	90.01	32.42
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	91.03	32.42
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	93.60	32.42
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	82.09	32.42
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	83.38	32.42
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	87.17	32.42
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	86.09	32.42
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	171.05	48.62
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	171.83	48.62
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	174.13	48.62
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	171.72	48.62
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	34.24	6.48
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	22.48	6.48
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	42.74	9.72
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	44.50	9.72
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	12.45	2.16
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	56.87	6.48
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	2.90	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0779 for fuel reimbursment for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0758 for loadbank rental, 01 22 23 00-0779 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	34,649.42	1,123.04
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Single Phase, Add	*1,292.65*	
26 32 13 13-0003	EA	25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	36,442.33	1,186.21
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0004	EA	30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	38,261.46	1,252.89
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Single Phase, Add	*1,425.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0005	EA	35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,046.84	1,382.75
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,846.38	1,516.11
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	46,752.52	1,740.71
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	50,375.97	2,000.41
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	59,182.75	2,344.35
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	63,616.62	2,723.37
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	65,082.16	3,228.74
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	71,948.77	3,558.63
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	75,593.05	3,972.76
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	80,336.12	4,351.78
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	86,598.27	4,597.45
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	90,256.27	4,786.96
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	98,213.06	5,046.66
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0018	EA	300 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	100,356.98	5,271.28
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0019	EA	350 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	113,116.22	5,895.96
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0020	EA	400 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	121,771.16	6,457.48
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0021	EA	450 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	137,455.83	6,955.84
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0022	EA	500 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	144,565.34	7,412.07
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0023	EA	600 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	209,984.56	8,163.10
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0024	EA	750 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	240,460.80	8,977.30
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0025	EA	800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	251,093.74	9,173.83
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0026	EA	900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	306,246.02	9,889.77
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0027	EA	1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	342,093.80	10,528.51
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	

26 32 13 13-0028 Diesel Particulate Filters *(26 32 13 13)*

26 32 13 13-0029	EA	Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	37,298.04
26 32 13 13-0030	EA	>50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	48,758.40
26 32 13 13-0031	EA	>75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	59,078.70
26 32 13 13-0032	EA	>100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	72,471.58
26 32 13 13-0033	EA	>200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	85,188.17
26 32 13 13-0034	EA	>500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	106,419.01

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0758 for loadbank rental, 01 22 23 00-0779 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	15,469.32	940.54
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	17,480.57	1,123.04
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	20,174.45	1,249.39
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	22,884.14	1,382.75
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	25,680.19	1,516.11
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	27,831.26	1,635.43
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	30,473.66	2,000.41
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	32,710.03	2,239.06
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	42,875.32	2,393.48
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	51,643.32	2,695.29
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	59,163.17	3,228.74
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	70,287.52	3,558.63
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	113,495.28	9,465.69
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	128,818.31	4,274.57
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	138,544.45	4,786.96
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	179,073.25	5,271.28
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	192,240.67	5,895.96
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	269,936.89	6,955.84
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	345,074.38	7,412.07
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	386,074.75	7,812.15
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	439,671.03	8,163.10
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	459,714.64	8,471.94
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	486,257.05	9,054.51
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	

26 32 13 19-0025 Small Natural Gas Or Propane Air-Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,248.99	598.38
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,617.52	664.87
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,631.79	731.36

26 32 29 Rotary Converters *(26 32)*

26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output *(26 32 29)*

26 32 29 00-0002	EA	3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,139.70	259.32
26 32 29 00-0003	EA	5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,352.79	259.32
26 32 29 00-0004	EA	7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,366.94	259.32
26 32 29 00-0005	EA	10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,495.76	259.32
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,309.95	324.14
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,830.55	324.14
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,765.63	324.14
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,285.73	427.86
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	28,104.78	427.86

26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output *(26 32 29)*

26 32 29 00-0012	EA	3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,741.86	259.32
26 32 29 00-0013	EA	5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,003.50	259.32
26 32 29 00-0014	EA	7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,018.34	259.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,463.07	259.32
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,646.41	324.14
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,507.83	324.14
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,185.11	324.14
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,185.23	427.86
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	26,718.94	427.86
26 32 29 00-0021		460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*		
26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	29,306.33	4,913.30
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	32,471.28	4,913.30
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	36,916.75	7,019.01
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	43,109.32	7,019.01
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	48,955.28	7,019.01
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	57,431.32	10,528.51
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	69,555.00	10,528.51
26 32 29 00-0029		4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*		
26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	101,899.00	14,038.01
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	111,023.31	14,038.01
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	133,580.72	18,249.41
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	151,829.49	22,180.06
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	179,921.39	22,180.06
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	255,252.41	33,129.70
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	263,987.66	33,129.70
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	304,053.74	38,604.52

26 33 Battery Equipment *(26 30)*

26 33 13 Batteries *(26 33)*

26 33 13 00-0001		Standby Batteries *(26 33 13)*		
26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,242.03	32.47
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,341.78	32.47
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	372.05	32.47
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	338.27	32.47
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	579.13	32.47
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	672.46	32.47

26 33 43 Battery Chargers *(26 33)*

26 33 43 00-0001		Solid State Chargers, Single Phase *(26 33 43)* Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,539.40	740.38
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,132.88	740.38
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,549.85	740.38
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,813.42	876.61

26 33 53 Static Uninterruptible Power Supply *(26 33)*

26 33 53 00-0001		Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0002		Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*		
26 33 53 00-0003		120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	1,125.56	128.36
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,343.04	149.75
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,649.98	171.14
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	2,008.93	192.54
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,564.46	213.93
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	4,094.72	256.72
26 33 53 00-0010		208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	4,021.24	256.72
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	6,181.46	342.30
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	6,764.25	385.08
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	10,072.02	470.65
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	11,566.76	513.44
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,343.04	149.75
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,649.98	171.14
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	2,030.64	192.54
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,569.69	213.93
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	4,111.03	256.72
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	5,936.08	342.30
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	7,274.42	385.08
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	11,215.98	513.44
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	722.54	38.90
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	943.27	38.90
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	918.70	38.90
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	627.46	38.90
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	964.11	128.36
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	1,093.76	171.14
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0034		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery *(26 33 53 00-0033)* Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	43,140.11	513.44
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	47,776.99	684.58
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	53,418.30	855.73
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	57,954.73	1,026.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	69,723.19	1,198.03
26 33 53 00-0040		**208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	94,627.93	2,042.09
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	102,968.84	2,528.30
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	113,908.12	2,949.69
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	140,571.67	3,338.66
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	145,986.47	3,727.62
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	151,741.04	4,116.60
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	158,700.96	4,505.56
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	165,660.88	4,894.53
26 33 53 00-0049		**480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	88,322.31	1,685.53
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	114,510.79	2,962.65
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	156,419.55	3,422.93
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	184,187.98	3,760.04
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	215,371.54	4,149.01
26 33 53 00-0055		**Optional Accessories For Three Phase, Uninterruptible Power Supply Systems** *(26 33 53 00-0033)*		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	652.43	64.82
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	1,039.69	64.82
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	2,031.35	129.66
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	6,382.54	518.62
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	656.47	64.82
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	358.45	64.82
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	401.94	64.82
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	445.43	64.82
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	523.70	64.82
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	549.80	64.82
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	684.61	64.82
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	717.23	64.82
26 33 53 00-0068		**Other Uninterruptable Power Supply Equipment** *(26 33 53)*		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	6,428.83	118.46
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	7,733.32	236.92
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	33.43	7.11
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	60.47	8.88
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	113.85	8.88
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	166.75	11.85
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	237.21	11.85
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	4,400.44	118.46
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	1,458.75	88.84

26 35 Power Filters and Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

26 35 33 16-0001 Power Factor Correction Capacitors *(26 35 33 16)*

26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	889.52	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	985.17	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	1,080.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	1,172.64	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	1,440.45	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	1,759.91	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	2,718.30	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	3,301.74	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	4,265.87	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	4,851.23	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	8,512.61	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	12,799.52	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	17,067.31	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	791.96	

26 35 43 Static-Frequency Converters *(26 35)*

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*

26 35 43 00-0002	EA	750W Output Rotary Phase Converter With NEMA 1 Enclosure	745.26	129.66
26 35 43 00-0003	EA	2KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,296.55	155.59
26 35 43 00-0004	EA	3KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,486.71	207.45
26 35 43 00-0005	EA	5KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,040.93	259.32
26 35 43 00-0006	EA	7KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,810.56	337.11
26 35 43 00-0007	EA	11KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,631.36	414.90
26 35 43 00-0008	EA	15KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,554.50	492.70
26 35 43 00-0009	EA	21KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,554.04	557.52
26 35 43 00-0010	EA	29KW Output Rotary Phase Converter With NEMA 1 Enclosure	6,452.64	674.21
26 35 43 00-0011	EA	36KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,388.74	758.49
26 35 43 00-0012	EA	44KW Output Rotary Phase Converter With NEMA 1 Enclosure	8,324.84	842.77
26 35 43 00-0013	EA	55KW Output Rotary Phase Converter With NEMA 1 Enclosure	10,337.94	1,017.80
26 35 43 00-0014	EA	74KW Output Rotary Phase Converter With NEMA 1 Enclosure	13,439.27	1,225.25
26 35 43 00-0015	EA	87KW Output Rotary Phase Converter With NEMA 1 Enclosure	17,041.05	1,491.05
26 35 43 00-0016	EA	110KW Output Rotary Phase Converter With NEMA 1 Enclosure	19,491.18	1,743.88
26 35 43 00-0017	EA	125KW Output Rotary Phase Converter With NEMA 1 Enclosure	25,112.47	1,944.85
26 35 43 00-0018	EA	165KW Output Rotary Phase Converter With NEMA 1 Enclosure	38,423.61	2,204.16
26 35 43 00-0019	EA	220KW Output Rotary Phase Converter With NEMA 1 Enclosure	57,363.44	2,463.47

26 35 53 Voltage Regulators *(26 35)*

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,602.87	2,061.54
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,675.66	2,593.13
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	9,663.52	3,085.83

26 36 Transfer Switches *(26 30)*

26 36 13 Manual Transfer Switches *(26 36)*

26 36 13 00-0001 Fused Manual Transfer Switches *(26 36 13)*

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,454.22	226.90
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,694.45	281.87

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)*

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	3,698.63	332.43
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	4,094.29	398.92
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	4,645.75	465.41
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	5,773.72	531.89
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	7,153.53	598.38
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	8,043.65	664.87
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	8,947.94	731.36
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	10,512.81	797.85
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	13,910.72	997.31
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	15,641.10	1,196.77
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	20,838.95	1,684.56
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,321.30	465.41
		For Level 2 Controller, Add	*185.26*	
		For Level 3 Controller, Add	*382.48*	
		For Level 4 Controller, Add	*555.79*	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,522.67	598.38
		For Level 2 Controller, Add	*257.76*	
		For Level 3 Controller, Add	*532.14*	
		For Level 4 Controller, Add	*773.27*	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	7,208.16	797.85
		For Level 2 Controller, Add	*434.97*	
		For Level 3 Controller, Add	*898.00*	
		For Level 4 Controller, Add	*1,304.90*	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	11,760.34	997.31
		For Level 2 Controller, Add	*756.84*	
		For Level 3 Controller, Add	*1,562.52*	
		For Level 4 Controller, Add	*2,270.53*	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	5,534.85	332.43
		For Level 2 Controller, Add	*377.42*	
		For Level 3 Controller, Add	*779.20*	
		For Level 4 Controller, Add	*1,132.27*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	6,387.62	398.92
		For Level 2 Controller, Add	*433.21*	
		For Level 3 Controller, Add	*894.36*	
		For Level 4 Controller, Add	*1,299.62*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100)	6,702.63	432.16
		For Level 2 Controller, Add	*452.47*	
		For Level 3 Controller, Add	*934.13*	
		For Level 4 Controller, Add	*1,357.40*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	7,017.63	465.41
		For Level 2 Controller, Add	*471.73*	
		For Level 3 Controller, Add	*973.89*	
		For Level 4 Controller, Add	*1,415.18*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	8,352.01	531.89
		For Level 2 Controller, Add	*564.84*	
		For Level 3 Controller, Add	*1,166.11*	
		For Level 4 Controller, Add	*1,694.51*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	9,538.30	598.38
		For Level 2 Controller, Add	*646.47*	
		For Level 3 Controller, Add	*1,334.64*	
		For Level 4 Controller, Add	*1,939.41*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	10,524.99	664.87
		For Level 2 Controller, Add	*712.63*	
		For Level 3 Controller, Add	*1,471.24*	
		For Level 4 Controller, Add	*2,137.90*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	10,991.47	731.36
		For Level 2 Controller, Add	*738.48*	
		For Level 3 Controller, Add	*1,524.60*	
		For Level 4 Controller, Add	*2,215.44*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0016	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	12,435.30	797.85
		For Level 2 Controller, Add	*840.07*	
		For Level 3 Controller, Add	*1,734.34*	
		For Level 4 Controller, Add	*2,520.21*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0017	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	17,057.78	997.31
		For Level 2 Controller, Add	*1,167.40*	
		For Level 3 Controller, Add	*2,410.11*	
		For Level 4 Controller, Add	*3,502.19*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0018	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	19,116.52	1,196.77
		For Level 2 Controller, Add	*1,296.03*	
		For Level 3 Controller, Add	*2,675.68*	
		For Level 4 Controller, Add	*3,888.09*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0019	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	24,901.54	1,684.56
		For Level 2 Controller, Add	*1,668.76*	
		For Level 3 Controller, Add	*3,445.19*	
		For Level 4 Controller, Add	*5,006.29*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0020	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	32,382.80	1,824.94
		For Level 2 Controller, Add	*2,226.80*	
		For Level 3 Controller, Add	*4,597.27*	
		For Level 4 Controller, Add	*6,680.40*	
		For NEMA 3R Enclosure, Add	*4,494.50*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*2,106.80*	
26 36 23 00-0021	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	34,495.98	2,105.71
		For Level 2 Controller, Add	*2,347.05*	
		For Level 3 Controller, Add	*4,845.53*	
		For Level 4 Controller, Add	*7,041.16*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0022	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	39,445.64	2,386.46
		For Level 2 Controller, Add	*2,687.14*	
		For Level 3 Controller, Add	*5,547.64*	
		For Level 4 Controller, Add	*8,061.41*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	47,628.61	2,947.99
		For Level 2 Controller, Add	*3,234.28*	
		For Level 3 Controller, Add	*6,677.22*	
		For Level 4 Controller, Add	*9,702.84*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	82,956.00	3,509.50
		For Level 2 Controller, Add	*5,885.12*	
		For Level 3 Controller, Add	*12,149.92*	
		For Level 4 Controller, Add	*17,655.35*	
		For NEMA 3R Enclosure, Add	*13,539.65*	

26 36 23 00-0025 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	27,375.84	2,526.51
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,730.02*	
		For Level 3 Controller, Add	*3,571.65*	
		For Level 4 Controller, Add	*5,190.06*	
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	28,571.74	2,659.48
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,802.09*	
		For Level 3 Controller, Add	*3,720.44*	
		For Level 4 Controller, Add	*5,406.27*	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	29,950.31	2,792.46
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,888.32*	
		For Level 3 Controller, Add	*3,898.46*	
		For Level 4 Controller, Add	*5,664.96*	
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	33,494.02	2,858.94
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,152.65*	
		For Level 3 Controller, Add	*4,444.18*	
		For Level 4 Controller, Add	*6,457.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	38,753.36	2,925.43
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,549.94*	
		For Level 3 Controller, Add	*5,264.40*	
		For Level 4 Controller, Add	*7,649.83*	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	46,648.43	3,058.40
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
		For Level 2 Controller, Add	*3,141.20*	
		For Level 3 Controller, Add	*6,485.06*	
		For Level 4 Controller, Add	*9,423.60*	
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	51,472.06	3,191.38
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*3,494.42*	
		For Level 3 Controller, Add	*7,214.29*	
		For Level 4 Controller, Add	*10,483.26*	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	64,748.78	3,723.28
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*4,440.92*	
		For Level 3 Controller, Add	*9,168.36*	
		For Level 4 Controller, Add	*13,322.77*	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	85,135.15	4,211.40
		For NEMA 3R Enclosure, Add	*11,236.23*	
		For NEMA 4 Enclosure, Add	*14,045.28*	
		For NEMA 12 Enclosure, Add	*11,236.23*	
		For Level 2 Controller, Add	*5,945.21*	
		For Level 3 Controller, Add	*12,273.97*	
		For Level 4 Controller, Add	*17,835.62*	
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	111,312.15	4,492.17
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*7,930.41*	
		For Level 3 Controller, Add	*16,372.45*	
		For Level 4 Controller, Add	*23,791.22*	
26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	126,435.93	4,913.30
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*9,037.22*	
		For Level 3 Controller, Add	*18,657.49*	
		For Level 4 Controller, Add	*27,111.67*	
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	202,754.37	5,615.20
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*14,843.11*	
		For Level 3 Controller, Add	*30,643.83*	
		For Level 4 Controller, Add	*44,529.32*	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	218,790.07	6,317.11
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*15,977.08*	
		For Level 3 Controller, Add	*32,984.94*	
		For Level 4 Controller, Add	*47,931.24*	

26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	9,078.51	332.43
		For Level 2 Controller, Add	*652.06*	
		For Level 3 Controller, Add	*1,346.18*	
		For Level 4 Controller, Add	*1,956.17*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	9,808.97	398.92
		For Level 2 Controller, Add	*698.36*	
		For Level 3 Controller, Add	*1,441.78*	
		For Level 4 Controller, Add	*2,095.09*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100)	10,173.56	432.16
		For Level 2 Controller, Add	*721.46*	
		For Level 3 Controller, Add	*1,489.48*	
		For Level 4 Controller, Add	*2,164.39*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	10,538.13	465.41
		For Level 2 Controller, Add	*744.57*	
		For Level 3 Controller, Add	*1,537.17*	
		For Level 4 Controller, Add	*2,233.70*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	12,661.84	531.89
		For Level 2 Controller, Add	*898.85*	
		For Level 3 Controller, Add	*1,855.69*	
		For Level 4 Controller, Add	*2,696.54*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	16,508.45	598.38
		For Level 2 Controller, Add	*1,186.66*	
		For Level 3 Controller, Add	*2,449.87*	
		For Level 4 Controller, Add	*3,559.97*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	17,569.83	664.87
		For Level 2 Controller, Add	*1,258.61*	
		For Level 3 Controller, Add	*2,598.41*	
		For Level 4 Controller, Add	*3,775.82*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	18,262.95	731.36
		For Level 2 Controller, Add	*1,302.02*	
		For Level 3 Controller, Add	*2,688.04*	
		For Level 4 Controller, Add	*3,906.06*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0048	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	20,673.81	797.85
		For Level 2 Controller, Add	*1,478.55*	
		For Level 3 Controller, Add	*3,052.50*	
		For Level 4 Controller, Add	*4,435.66*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0049	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	25,078.68	997.31
		For Level 2 Controller, Add	*1,789.02*	
		For Level 3 Controller, Add	*3,693.45*	
		For Level 4 Controller, Add	*5,367.05*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0050	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	26,090.53	1,196.77
		For Level 2 Controller, Add	*1,836.52*	
		For Level 3 Controller, Add	*3,791.52*	
		For Level 4 Controller, Add	*5,509.55*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0051	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	30,927.84	1,684.56
		For Level 2 Controller, Add	*2,135.80*	
		For Level 3 Controller, Add	*4,409.40*	
		For Level 4 Controller, Add	*6,407.40*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 00-0052 Accessories *(26 36 23)*

26 36 23 00-0053	EA	Auxiliary Contacts For Automatic Transfer Switch	325.86	
26 36 23 00-0054	EA	Battery Charger For Automatic Transfer Switch	2,668.61	
26 36 23 00-0055	EA	Elevator Relay Signal For Automatic Transfer Switch	969.13	

26 40 Electrical And Cathodic Protection *(26)*

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	252.86	32.42
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	271.94	32.42
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	284.91	38.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	234.46	25.93
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	284.91	38.90
26 43 13 00-0007		**50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Liebert LPL		
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	346.88	32.42
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	370.75	38.90
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	357.78	32.42
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	370.75	38.90
26 43 13 00-0012		**100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	417.73	32.42
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	441.60	38.90
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	388.43	25.93
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	441.60	38.90
26 43 13 00-0017		**100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	491.31	32.42
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	554.70	38.90
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	463.38	25.93
26 43 13 00-0021		**160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	861.29	38.90
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	848.32	32.42
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	861.29	38.90
26 43 13 00-0025		**250 kA, 500 Joule Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	8,184.81	64.82
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	10,011.21	64.82
26 43 13 00-0028		**Class 1310 Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		**NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor** *(26 43 13 00-0028)*		
		Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,021.11	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,437.61	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,466.62	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,590.35	259.32
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,703.49	356.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,193.71	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,627.21	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,759.55	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,970.79	259.32
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,290.55	356.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,193.71	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,627.21	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,759.49	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,970.79	259.32
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,290.55	356.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,366.34	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,819.26	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,054.90	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,353.74	259.32
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,880.00	356.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,566.89	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,018.64	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,363.62	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,754.84	259.32
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,663.00	356.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,146.04	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,798.34	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,550.19	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,244.49	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,944.19	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,741.01	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,244.49	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,944.19	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,741.01	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,369.68	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,100.98	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,985.31	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,500.95	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,267.49	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,241.77	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EMA series. Stainless steel.

26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,169.70	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,586.20	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,615.21	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,342.30	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,775.80	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,908.14	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,342.30	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,775.80	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,908.08	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,514.93	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,967.85	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,203.49	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,715.48	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,167.23	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,512.21	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,294.63	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,946.93	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,698.78	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,393.08	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,092.78	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,889.60	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,393.08	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,092.78	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,889.60	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,518.27	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,249.57	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,133.90	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,649.54	168.56
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,416.08	194.48
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,390.36	226.90
		For Integral Disconnect, Add	*438.87*	
		For Surge Counter, Add	*335.40*	

26 43 23 Surge Protective Devices for Lightning Protection *(26 43)*

26 43 23 00-0001 Surge And Lightning Arrestors *(26 43 23)*

26 43 23 00-0002 Metal Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,190.80	287.85
26 43 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,286.48	287.85
26 43 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,286.48	287.85
26 43 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,464.18	287.85
26 43 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,464.18	287.85
26 43 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,611.81	287.85
26 43 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,611.81	287.85
26 43 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,193.14	359.80
26 43 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,269.69	359.80
26 43 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,500.61	431.76
26 43 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,697.45	431.76
26 43 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,192.27	431.76

26 43 23 00-0015 Porcelain Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,190.80	287.85
26 43 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,286.48	287.85
26 43 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,286.48	287.85
26 43 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,464.18	287.85
26 43 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,464.18	287.85
26 43 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,611.81	287.85
26 43 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,611.81	287.85
26 43 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,193.14	359.80
26 43 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,269.69	359.80
26 43 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,500.61	431.76
26 43 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,697.45	431.76
26 43 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,192.27	431.76

26 43 23 00-0028 IMX Accessories *(26 43 23 00-0001)*

26 43 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX	993.97	287.85
26 43 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	983.03	287.85
26 43 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	901.12	287.85

26 43 23 00-0032 Lightning Arrestor And Cutouts *(26 43 23 00-0001)*

26 43 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor	687.78	287.85
26 43 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor	1,263.63	287.85
26 43 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor	1,190.80	287.85
26 43 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor	747.92	287.85
26 43 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor	1,423.07	287.85
26 43 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor	1,464.18	287.85
26 43 23 00-0039	EA	5 KV Enclosed Fused Cutout	841.42	287.85
26 43 23 00-0040	EA	15 KV Open Fused Cutout	919.18	359.80
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	716.28	287.85
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,508.29	287.85

26 50 Lighting *(26)*

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Incandescent Interior Lighting *(26 51)*

26 51 13 00-0001 Recessed Fixtures *(26 51 13)*

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings *(26 51 13 00-0001)*

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	89.70	37.09
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	89.70	37.09
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	95.21	38.90
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	100.92	40.58
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	106.65	42.27
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	108.73	44.86

26 51 13 00-0009 Recessed Fixture Trim *(26 51 13 00-0001)*

26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	69.23	18.15
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	76.92	18.15
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim	90.25	18.15
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	97.31	18.15
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	77.03	18.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	72.90	18.15
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	77.64	18.15
26 51 13 00-0017		Track Lighting *(26 51 13)*		
26 51 13 00-0018		Incandescent Track Lighting Fixtures *(26 51 13 00-0017)*		
		See CSI section 26 51 19 00-0566 for track lighting tracks.		
26 51 13 00-0019	EA	Incandescent Track Lighting Fixture, 120 Volt	89.51	21.65
26 51 13 00-0020	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	61.02	21.65
26 51 13 00-0021	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	83.11	21.65
26 51 13 00-0022	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	85.30	21.65
26 51 13 00-0023	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	71.02	21.65
26 51 13 00-0024	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	61.02	21.65
26 51 13 00-0025	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt Note: 120V.	69.97	21.65
26 51 13 00-0026	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	87.49	21.65
26 51 13 00-0027		Wet Location, Dust Resistant, Vapor Tight Fixtures *(26 51 13)*		
26 51 13 00-0028		Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 13 00-0027)*		
26 51 13 00-0029	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	137.38	51.87
26 51 13 00-0030	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	156.19	51.87
26 51 16		**Fluorescent Interior Lighting** *(26 51)*		
26 51 16 00-0001		Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0002		Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0003		6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	197.45	37.08
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	222.02	37.08
26 51 16 00-0006		6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	223.17	38.62
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	250.10	38.62
26 51 16 00-0009		1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	266.49	43.35
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	316.55	43.35
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	371.63	43.35
26 51 16 00-0013		2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	216.66	47.38
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	250.84	47.38
26 51 16 00-0016		2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	341.01	55.20
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	367.27	55.20
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	417.25	55.20
26 51 16 00-0020		Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0001)* Note: Includes prismatic lens.		
26 51 16 00-0021		1' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
26 51 16 00-0022	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	264.99	43.00
26 51 16 00-0023	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	431.99	43.00
26 51 16 00-0024	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	493.06	43.00
26 51 16 00-0025		2' x 2', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
26 51 16 00-0026	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	415.22	47.38
26 51 16 00-0027	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	453.73	47.38
26 51 16 00-0028	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	481.51	47.38
26 51 16 00-0029		2' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
26 51 16 00-0030	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	420.92	55.20
26 51 16 00-0031	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	462.00	55.20
26 51 16 00-0032	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	484.62	55.20
26 51 16 00-0033	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	519.05	55.20
26 51 16 00-0034		4' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	836.70	71.08
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	850.54	71.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	766.81	71.08
26 51 16 00-0038		**Recessed Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0039		**Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0040		**1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0041	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	417.04	37.08
		For Drywall Or Plaster Ceilings, Add	*25.05*	
26 51 16 00-0042		**1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0043	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	553.90	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0044	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,045.78	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0045		**2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0046	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	559.89	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0047	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	646.64	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0048	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	652.54	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0049	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	704.50	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0050		**2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0051	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	532.78	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0052	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	764.42	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0053	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	771.34	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0054	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	862.97	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0055	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	732.86	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0056	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,023.12	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0057	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,039.52	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0058		**Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0059		**1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0060	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	497.58	37.08
		For Drywall Or Plaster Ceilings, Add	*25.05*	
26 51 16 00-0061	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	503.47	37.08
		For Drywall Or Plaster Ceilings, Add	*25.05*	
26 51 16 00-0062	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	595.79	37.08
		For Drywall Or Plaster Ceilings, Add	*25.05*	
26 51 16 00-0063		**1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0064	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	566.73	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0065	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	573.65	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0066	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	651.57	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0067		**2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0068	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	578.66	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0069	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	584.55	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0070	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	675.45	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0071		**2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0072	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	532.78	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0073	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	630.80	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0074	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	723.80	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0075	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	824.07	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0076		Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0077		1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*		
26 51 16 00-0078	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,108.78	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0079	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,115.70	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0080	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,322.68	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0081	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,339.08	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0082		2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*		
26 51 16 00-0083	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	864.61	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0084	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	968.73	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0085	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	1,193.38	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0086		2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*		
26 51 16 00-0087	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	969.26	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0088	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,209.55	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0089	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,291.62	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0090	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,419.74	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0091		Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0092		1' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0093	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	856.97	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0094	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	1,150.61	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0095		2' x 2', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0096	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	851.17	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0097	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	982.47	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0098		2' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0099	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	944.16	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0100	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	946.35	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0101		Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0102		1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0103	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	789.51	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0104		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0105	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	752.03	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0106		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0107	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	913.73	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0108	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	636.09	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0109	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	1,052.55	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0110		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0111		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0112	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	749.62	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
26 51 16 00-0113		**2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0110)*		
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	751.08	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
26 51 16 00-0115		**2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0110)*		
26 51 16 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	936.12	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	950.81	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	974.24	55.20
		For Drywall Or Plaster Ceilings, Add	*37.32*	
26 51 16 00-0119		**Striplight Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0120		**1 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0121	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	302.33	35.53
26 51 16 00-0122	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	378.53	35.53
26 51 16 00-0123	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	368.29	39.44
26 51 16 00-0124	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	374.11	43.35
26 51 16 00-0125	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	458.44	51.35
26 51 16 00-0126		**2 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0127	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	373.06	39.44
26 51 16 00-0128	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	381.22	43.35
26 51 16 00-0129	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	386.96	47.38
26 51 16 00-0130		**3 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0131	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	564.78	39.44
26 51 16 00-0132	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	539.49	43.35
26 51 16 00-0133	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	545.15	47.38
26 51 16 00-0134		**Display Case Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	198.09	38.90
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	272.28	38.90
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	293.80	45.38
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	304.34	45.38
26 51 16 00-0139		**Industrial Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0140		**1 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	452.00	35.53
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	473.29	43.35
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	895.79	55.20
26 51 16 00-0144	EA	96" Lamp Industrial Fixture Fluorescent, 2 54 W T5 Lamp Note: With electronic ballast.	233.10	55.20
26 51 16 00-0145		**2 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0146	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	463.81	39.44
26 51 16 00-0147	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	486.15	47.38
26 51 16 00-0148	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	909.63	55.20
26 51 16 00-0149	EA	48" Lamp Industrial Fixture Fluorescent, 2 54 W T5 Lamp Note: With electronic ballast.	233.00	47.38
26 51 16 00-0150	EA	96" Lamp Industrial Fixture Fluorescent, 4 54 W T5 Lamp Note: With electronic ballast.	284.67	55.20
26 51 16 00-0151		**3 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0152	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	482.67	39.44
26 51 16 00-0153	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	502.79	47.38
26 51 16 00-0154	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	776.54	55.20
26 51 16 00-0155		**4 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0156	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	708.07	47.38
26 51 16 00-0157	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	1,049.67	55.20
26 51 16 00-0158		**Flanged Fluorescent Fixture** *(26 51 16 00-0001)* Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0159	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	651.54	71.08
26 51 16 00-0160	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	788.10	71.08

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26 51 16 00-0161	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	795.02	71.08
26 51 16 00-0162		**Undercabinet Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0163	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	233.09	31.99
26 51 16 00-0164	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	269.82	39.09
26 51 16 00-0165	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	264.89	39.09
26 51 16 00-0166	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	323.98	42.64
26 51 16 00-0167	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	376.49	49.76
26 51 16 00-0168		**Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0001)*		
		Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0169		**2' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0168)*		
26 51 16 00-0170	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	265.37	35.53
26 51 16 00-0171	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	296.06	35.53
26 51 16 00-0172		**3' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0168)*		
26 51 16 00-0173	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	302.98	37.32
26 51 16 00-0174	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	332.29	37.32
26 51 16 00-0175		**4' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0168)*		
26 51 16 00-0176	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	298.64	39.09
26 51 16 00-0177	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	329.00	39.09
26 51 16 00-0178		**Wall Bracket, Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0179		**Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0178)*		
		Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0180		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0179)*		
26 51 16 00-0181	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	256.44	59.64
26 51 16 00-0182	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	261.47	59.64
26 51 16 00-0183		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0179)*		
26 51 16 00-0184	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	333.87	59.64
26 51 16 00-0185	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	340.88	59.64
26 51 16 00-0186		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0179)*		
26 51 16 00-0187	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	345.87	59.64
26 51 16 00-0188	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	350.89	59.64
26 51 16 00-0189		**Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0178)*		
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0190		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0189)*		
26 51 16 00-0191	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	692.89	59.64
26 51 16 00-0192	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	697.91	59.64
26 51 16 00-0193		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0189)*		
26 51 16 00-0194	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	542.04	59.64
26 51 16 00-0195	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	549.05	59.64
26 51 16 00-0196		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0189)*		
26 51 16 00-0197	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	627.52	59.64
26 51 16 00-0198	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	632.54	59.64
26 51 16 00-0199		**Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0178)*		
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0200		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0199)*		
26 51 16 00-0201	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	245.33	59.64
26 51 16 00-0202	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	250.36	59.64
26 51 16 00-0203		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0199)*		
26 51 16 00-0204	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	247.32	59.64
26 51 16 00-0205	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	254.34	59.64
26 51 16 00-0206		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0199)*		
26 51 16 00-0207	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	236.82	59.64
26 51 16 00-0208	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	241.84	59.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0209		Low Occupancy, Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0210	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	296.60	43.35
26 51 16 00-0211	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	302.53	47.38
26 51 16 00-0212		Surface Mounted, Fluorescent Fixtures, Architectural *(26 51 16 00-0001)*		
26 51 16 00-0213		8-1/2"' x 4' Surface Mounted Architectural Fluorescent Fixtures *(26 51 16 00-0212)*		
26 51 16 00-0214	EA	8-1/2" x 4' Surface Mounted Architectural Fluorescent Fixture, 1 54 Watt T5 HO Lamp Note: With electronic ballast.	499.45	43.35
26 51 16 00-0215		Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)* Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
26 51 16 00-0216		6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0215)*		
26 51 16 00-0217	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	257.26	37.08
26 51 16 00-0218	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	306.62	37.08
26 51 16 00-0219		6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0215)*		
26 51 16 00-0220	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	278.26	38.62
26 51 16 00-0221	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	332.56	38.62
26 51 16 00-0222		8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0215)*		
26 51 16 00-0223	EA	8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	367.44	59.64
26 51 16 00-0224	EA	8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	385.02	59.64
26 51 16 00-0225		8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0215)*		
26 51 16 00-0226	EA	8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	420.18	59.64
26 51 16 00-0227	EA	8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	435.25	59.64
26 51 16 00-0228	EA	8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	455.34	59.64
26 51 16 00-0229		1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0215)*		
26 51 16 00-0230	EA	2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	314.09	40.99
26 51 16 00-0231	EA	3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	373.43	40.99
26 51 16 00-0232	EA	4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	401.57	40.99
26 51 16 00-0233		1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0215)*		
26 51 16 00-0234	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	338.96	43.35
26 51 16 00-0235	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	403.65	43.35
26 51 16 00-0236	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	434.51	43.35
26 51 16 00-0237		Ceiling Mounted Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0238		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0237)*		
26 51 16 00-0239		Glass Globe, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0238)*		
26 51 16 00-0240	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	238.90	51.87
26 51 16 00-0241	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	294.00	51.87
26 51 16 00-0242		Ceiling Mounted, Circline Fluorescent Fixtures *(26 51 16 00-0237)*		
26 51 16 00-0243		Exposed Lamps, Circline Fluorescent Fixtures *(26 51 16 00-0242)*		
26 51 16 00-0244	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	189.35	51.87
26 51 16 00-0245	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	209.25	51.87
26 51 16 00-0246		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures *(26 51 16 00-0242)*		
26 51 16 00-0247	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	311.93	51.87
26 51 16 00-0248	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	463.62	51.87
26 51 16 00-0249	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	568.72	51.87
26 51 16 00-0250	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	361.07	51.87
26 51 16 00-0251	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	466.73	51.87
26 51 16 00-0252	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	568.72	51.87
26 51 16 00-0253		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0237)*		
26 51 16 00-0254		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0253)*		
26 51 16 00-0255	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	316.06	51.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0256	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	427.54	51.87
26 51 16 00-0257	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	521.96	51.87
26 51 16 00-0258	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	245.86	51.87
26 51 16 00-0259	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	303.72	51.87
26 51 16 00-0260	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	413.36	51.87
26 51 16 00-0261		Pendant Mounted, Compact Fluorescent/Incandescent Downlights *(26 51 16 00-0237)*		
26 51 16 00-0262		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights *(26 51 16 00-0261)*		
26 51 16 00-0263	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	534.45	42.61
26 51 16 00-0264		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle *(26 51 16 00-0261)*		
26 51 16 00-0265	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	618.33	42.61
26 51 16 00-0266	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	888.95	42.61
26 51 16 00-0267		Pendant Mounted, Horizontal Indirect Fluorescent Fixtures *(26 51 16 00-0237)*		
26 51 16 00-0268	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	315.40	42.61
26 51 16 00-0269	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	335.66	42.61
26 51 16 00-0270	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	402.41	42.61
26 51 16 00-0271	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	418.07	42.61
26 51 16 00-0272	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	500.86	42.61
26 51 16 00-0273	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	598.44	42.61
26 51 16 00-0274		Finelite Fluorescent Fixtures *(26 51 16 00-0237)*		
26 51 16 00-0275		Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) *(26 51 16 00-0274)*		
26 51 16 00-0276	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	535.11	60.42
26 51 16 00-0277	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	532.87	60.42
26 51 16 00-0278	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	576.41	60.42
26 51 16 00-0279	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	645.64	60.42
26 51 16 00-0280	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	708.16	60.42
26 51 16 00-0281	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	871.38	60.42
26 51 16 00-0282	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	764.34	63.01
26 51 16 00-0283	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	787.33	63.01
26 51 16 00-0284	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	874.41	63.01
26 51 16 00-0285	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	838.91	63.01
26 51 16 00-0286	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,055.50	63.01
26 51 16 00-0287	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,244.62	63.01
26 51 16 00-0288	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,011.88	65.61
26 51 16 00-0289	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,050.95	65.61
26 51 16 00-0290	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,163.25	65.61
26 51 16 00-0291	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,169.52	65.61
26 51 16 00-0292	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,448.63	65.61
26 51 16 00-0293	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,736.88	65.61
26 51 16 00-0294		Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) *(26 51 16 00-0274)*		
26 51 16 00-0295	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	536.01	60.42
26 51 16 00-0296	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	584.13	60.42
26 51 16 00-0297	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	584.06	60.42
26 51 16 00-0298	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	789.18	63.01
26 51 16 00-0299	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	844.81	63.01
26 51 16 00-0300	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	844.66	63.01
26 51 16 00-0301	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,042.35	65.61

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26 51 16 00-0302	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,186.72	65.61
26 51 16 00-0303	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,186.50	65.61
26 51 16 00-0304		**Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8)** *(26 51 16 00-0274)*		
26 51 16 00-0305	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	408.54	60.42
26 51 16 00-0306	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	431.02	60.42
26 51 16 00-0307	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	510.59	60.42
26 51 16 00-0308	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	534.80	63.01
26 51 16 00-0309	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	631.66	63.01
26 51 16 00-0310	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	746.69	63.01
26 51 16 00-0311	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	738.91	65.61
26 51 16 00-0312	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	904.96	65.61
26 51 16 00-0313	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	1,081.38	65.61
26 51 16 00-0314		**Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0315	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	143.59	37.09
26 51 16 00-0316	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	148.38	37.09
26 51 16 00-0317	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	154.59	38.77
26 51 16 00-0318	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	162.45	40.19
26 51 16 00-0319	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	169.32	42.27
26 51 16 00-0320	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	175.39	44.86
26 51 16 00-0321		**Compact Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0322	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	164.17	37.09
26 51 16 00-0323	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	168.88	37.09
26 51 16 00-0324	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	175.25	38.90
26 51 16 00-0325	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	180.40	40.58
26 51 16 00-0326	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	186.31	42.27
26 51 16 00-0327	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	192.01	44.86
26 51 16 00-0328		**Recessed Mounted Box Type Fluorescent Fixtures, Direct/Indirect** *(26 51 16)*		
26 51 16 00-0329		**2' x 2' Recessed Mounted Box Type Direct/Indirect** *(26 51 16 00-0328)*		
26 51 16 00-0330	EA	2' x 2' Recessed Mounted Box Type Direct/Indirect, 3 T5 Lamps Note: With electronic ballast.	356.38	47.38
26 51 16 00-0331		**Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0332	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	303.58	21.65
26 51 16 00-0333	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	312.34	21.65
26 51 16 00-0334	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	317.81	21.65
26 51 16 00-0335	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	196.68	21.65
26 51 16 00-0336	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	339.27	21.65
26 51 16 00-0337		**Compact Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0338	EA	Compact Fluorescent Track Lighting Fixture	105.03	21.65
26 51 16 00-0339		**Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 16)*		
26 51 16 00-0340	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	147.09	51.87
26 51 16 00-0341	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	150.78	51.87
26 51 16 00-0342	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	159.93	51.87
26 51 16 00-0343		**Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0344		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16 00-0343)*		
26 51 16 00-0345		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)** *(26 51 16 00-0344)* Note: Includes high impact acrylic molded lens.		

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26 51 16 00-0346	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	327.85	55.20
		For T5 Fixture Instead Of T8, Add	*28.04*	
26 51 16 00-0347	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	343.83	55.20
		For T5 Fixture Instead Of T8, Add	*29.87*	
26 51 16 00-0348	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	539.60	55.20
		For T5 Fixture Instead Of T8, Add	*52.29*	
26 51 16 00-0349	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	465.03	55.20
26 51 16 00-0350	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	749.69	55.20
26 51 16 00-0351		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) *(26 51 16 00-0344)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0352	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	380.07	55.20
26 51 16 00-0353	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	384.93	55.20
26 51 16 00-0354	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	561.57	55.20
26 51 16 00-0355	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	463.88	55.20
26 51 16 00-0356	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	484.96	55.20
26 51 16 00-0357		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0343)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0358		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) *(26 51 16 00-0357)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0359	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	619.70	74.99
		For T5 Fixture Instead Of T8, Add	*58.07*	
26 51 16 00-0360	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	644.90	74.99
		For T5 Fixture Instead Of T8, Add	*60.95*	
26 51 16 00-0361		High Bay Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0362		(T8) Fluorescent, High Bay Fixtures *(26 51 16 00-0361)*		
26 51 16 00-0363		(T8) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0362)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0364	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	530.58	120.83
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0365	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	555.82	133.86
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0366	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	629.99	152.81
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0367	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	756.13	160.99
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0368	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	822.90	168.45
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0369	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	470.05	152.81
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0370	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	495.73	160.99
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0371	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	566.81	168.45
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0372		(T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0361)*		
26 51 16 00-0373		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0372)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0374	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	537.63	120.83
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0375	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	563.54	133.86
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0376	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	642.26	152.81
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0377	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	779.78	160.99
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0378	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	497.81	152.81
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0379	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	550.00	160.99
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0380	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	641.96	168.45
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 19 LED Interior Lighting *(26 51)*

26 51 19 00-0001 LED Fixtures *(26 51 19)*

26 51 19 00-0002 Undercabinet LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	144.05	31.99
		For >50 To 100, Deduct	*-4.93*	
		For >100 To 250, Deduct	*-8.54*	
		For >250 To 500, Deduct	*-14.41*	
		For >500, Deduct	*-20.27*	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	178.22	39.09
		For >50 To 100, Deduct	*-6.08*	
		For >100 To 250, Deduct	*-10.54*	
		For >250 To 500, Deduct	*-17.82*	
		For >500, Deduct	*-25.10*	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	179.31	39.09
		For >50 To 100, Deduct	*-6.11*	
		For >100 To 250, Deduct	*-10.59*	
		For >250 To 500, Deduct	*-17.93*	
		For >500, Deduct	*-25.27*	
26 51 19 00-0006	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	169.96	31.99
		For >50 To 100, Deduct	*-5.58*	
		For >100 To 250, Deduct	*-9.83*	
		For >250 To 500, Deduct	*-17.00*	
		For >500, Deduct	*-24.16*	

26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0008 Striplight LED Fixtures (Lithonia CLX) *(26 51 19 00-0007)*

Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI

26 51 19 00-0009	EA	2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	223.00	35.53
26 51 19 00-0010	EA	2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	228.94	35.53
26 51 19 00-0011	EA	4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	264.57	43.35
26 51 19 00-0012	EA	4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	270.52	43.35
26 51 19 00-0013	EA	4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	276.47	43.35
26 51 19 00-0014	EA	4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	282.41	43.35
26 51 19 00-0015	EA	4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	288.37	43.35
26 51 19 00-0016	EA	8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	368.61	51.29
26 51 19 00-0017	EA	8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	380.50	51.29
26 51 19 00-0018	EA	8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	393.88	51.29
26 51 19 00-0019	EA	8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	405.78	51.29
26 51 19 00-0020	EA	8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	419.16	51.29
26 51 19 00-0021	EA	8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	431.06	51.29

26 51 19 00-0022 Striplight LED Fixtures (Lithonia ZL) *(26 51 19 00-0007)*

26 51 19 00-0023	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)	229.55	35.53
		For >50 To 100, Deduct	*-7.07*	
		For >100 To 250, Deduct	*-12.81*	
		For >250 To 500, Deduct	*-22.96*	
		For >500, Deduct	*-33.10*	
26 51 19 00-0024	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)	241.39	43.35
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 250, Deduct	*-13.70*	
		For >250 To 500, Deduct	*-24.14*	
		For >500, Deduct	*-34.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0025	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	247.54	35.53
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 250, Deduct	*-13.71*	
		For >250 To 500, Deduct	*-24.75*	
		For >500, Deduct	*-35.80*	
26 51 19 00-0026	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	259.38	43.35
		For >50 To 100, Deduct	*-8.11*	
		For >100 To 250, Deduct	*-14.60*	
		For >250 To 500, Deduct	*-25.94*	
		For >500, Deduct	*-37.28*	
26 51 19 00-0027	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	322.39	43.35
		For >50 To 100, Deduct	*-9.69*	
		For >100 To 250, Deduct	*-17.75*	
		For >250 To 500, Deduct	*-32.24*	
		For >500, Deduct	*-46.73*	

26 51 19 00-0028 Striplight LED Fixtures (Mobern) *(26 51 19 00-0007)*

26 51 19 00-0029	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	228.86	35.53
		For >50 To 100, Deduct	*-7.05*	
		For >100 To 250, Deduct	*-12.78*	
		For >250 To 500, Deduct	*-22.89*	
		For >500, Deduct	*-33.00*	

26 51 19 00-0030 Striplight LED Fixtures (Eaton) *(26 51 19 00-0007)*

26 51 19 00-0031	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	291.00	43.35
		For >50 To 100, Deduct	*-8.90*	
		For >100 To 250, Deduct	*-16.18*	
		For >250 To 500, Deduct	*-29.10*	
		For >500, Deduct	*-42.02*	
26 51 19 00-0032	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	274.53	43.35
		For >50 To 100, Deduct	*-8.49*	
		For >100 To 250, Deduct	*-15.36*	
		For >250 To 500, Deduct	*-27.45*	
		For >500, Deduct	*-39.55*	
26 51 19 00-0033	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	291.00	43.35
		For >50 To 100, Deduct	*-8.90*	
		For >100 To 250, Deduct	*-16.18*	
		For >250 To 500, Deduct	*-29.10*	
		For >500, Deduct	*-42.02*	

26 51 19 00-0034 Lay-In/Troffer LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0035 Prismatic Lensed, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0036 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0035)*

26 51 19 00-0037	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	614.06	43.00
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*46.99*	
		For >50 To 100, Deduct	*-16.98*	
		For >100 To 250, Deduct	*-32.33*	
		For >250 To 500, Deduct	*-61.41*	
		For >500, Deduct	*-90.48*	
26 51 19 00-0038	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	340.34	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
		For >50 To 100, Deduct	*-10.29*	
		For >100 To 250, Deduct	*-18.79*	
		For >250 To 500, Deduct	*-34.03*	
		For >500, Deduct	*-49.27*	
26 51 19 00-0039	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	620.03	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*51.73*	
		For >50 To 100, Deduct	*-17.57*	
		For >100 To 250, Deduct	*-33.07*	
		For >250 To 500, Deduct	*-62.00*	
		For >500, Deduct	*-90.93*	

26 51 19 00-0040 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) *(26 51 19 00-0035)*

26 51 19 00-0041	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	884.90	43.00
		For >50 To 100, Deduct	*-23.75*	
		For >100 To 250, Deduct	*-45.87*	
		For >250 To 500, Deduct	*-88.49*	
		For >500, Deduct	*-131.11*	
26 51 19 00-0042	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	622.44	47.38
		For >50 To 100, Deduct	*-17.34*	
		For >100 To 250, Deduct	*-32.90*	
		For >250 To 500, Deduct	*-62.24*	
		For >500, Deduct	*-91.59*	
26 51 19 00-0043	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	810.88	55.20
		For >50 To 100, Deduct	*-22.35*	
		For >100 To 250, Deduct	*-42.62*	
		For >250 To 500, Deduct	*-81.09*	
		For >500, Deduct	*-119.56*	

26 51 19 00-0044 Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) *(26 51 19 00-0035)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0045	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	410.06	47.38
		For >50 To 100, Deduct	*-12.03*	
		For >100 To 250, Deduct	*-22.28*	
		For >250 To 500, Deduct	*-41.01*	
		For >500, Deduct	*-59.73*	
26 51 19 00-0046	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	453.79	47.38
		For >50 To 100, Deduct	*-13.12*	
		For >100 To 250, Deduct	*-24.47*	
		For >250 To 500, Deduct	*-45.38*	
		For >500, Deduct	*-66.29*	
26 51 19 00-0047	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	386.00	47.38
		For >50 To 100, Deduct	*-11.43*	
		For >100 To 250, Deduct	*-21.08*	
		For >250 To 500, Deduct	*-38.60*	
		For >500, Deduct	*-56.12*	
26 51 19 00-0048	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	386.00	47.38
		For >50 To 100, Deduct	*-11.43*	
		For >100 To 250, Deduct	*-21.08*	
		For >250 To 500, Deduct	*-38.60*	
		For >500, Deduct	*-56.12*	
26 51 19 00-0049	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	414.43	47.38
		For >50 To 100, Deduct	*-12.14*	
		For >100 To 250, Deduct	*-22.50*	
		For >250 To 500, Deduct	*-41.44*	
		For >500, Deduct	*-60.39*	

26 51 19 00-0050 Volumetric, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0051 Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0050)*

26 51 19 00-0052	EA	1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	515.21	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
		For >50 To 100, Deduct	*-14.51*	
		For >100 To 250, Deduct	*-27.39*	
		For >250 To 500, Deduct	*-51.52*	
		For >500, Deduct	*-75.65*	
26 51 19 00-0053	EA	1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	695.44	43.00
		For Drywall Or Plaster Ceilings, Add	*29.32*	
		For >50 To 100, Deduct	*-19.01*	
		For >100 To 250, Deduct	*-36.40*	
		For >250 To 500, Deduct	*-69.54*	
		For >500, Deduct	*-102.69*	
26 51 19 00-0054	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	541.34	47.38
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*44.84*	
		For >50 To 100, Deduct	*-15.31*	
		For >100 To 250, Deduct	*-28.84*	
		For >250 To 500, Deduct	*-54.13*	
		For >500, Deduct	*-79.42*	
26 51 19 00-0055	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	621.34	47.38
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*48.84*	
		For >50 To 100, Deduct	*-17.31*	
		For >100 To 250, Deduct	*-32.84*	
		For >250 To 500, Deduct	*-62.13*	
		For >500, Deduct	*-91.42*	
26 51 19 00-0056	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	685.35	47.38
		For >50 To 100, Deduct	*-18.91*	
		For >100 To 250, Deduct	*-36.04*	
		For >250 To 500, Deduct	*-68.54*	
		For >500, Deduct	*-101.03*	
26 51 19 00-0057	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	697.20	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*55.59*	
		For >50 To 100, Deduct	*-19.50*	
		For >100 To 250, Deduct	*-36.93*	
		For >250 To 500, Deduct	*-69.72*	
		For >500, Deduct	*-102.51*	
26 51 19 00-0058	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	761.20	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*58.79*	
		For >50 To 100, Deduct	*-21.10*	
		For >100 To 250, Deduct	*-40.13*	
		For >250 To 500, Deduct	*-76.12*	
		For >500, Deduct	*-112.11*	
26 51 19 00-0059	EA	2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	825.21	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*61.99*	
		For >50 To 100, Deduct	*-22.70*	
		For >100 To 250, Deduct	*-43.33*	
		For >250 To 500, Deduct	*-82.52*	
		For >500, Deduct	*-121.71*	
26 51 19 00-0060	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	477.35	47.38
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*41.64*	
		For >50 To 100, Deduct	*-13.71*	
		For >100 To 250, Deduct	*-25.64*	
		For >250 To 500, Deduct	*-47.74*	
		For >500, Deduct	*-69.83*	
26 51 19 00-0061	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	557.34	47.38
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*45.64*	
		For >50 To 100, Deduct	*-15.71*	
		For >100 To 250, Deduct	*-29.64*	
		For >250 To 500, Deduct	*-55.73*	
		For >500, Deduct	*-81.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0062	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	605.34	47.38
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*48.04*	
		For >50 To 100, Deduct	*-16.91*	
		For >100 To 250, Deduct	*-32.04*	
		For >250 To 500, Deduct	*-60.53*	
		For >500, Deduct	*-89.02*	
26 51 19 00-0063	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	601.20	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*50.79*	
		For >50 To 100, Deduct	*-17.10*	
		For >100 To 250, Deduct	*-32.13*	
		For >250 To 500, Deduct	*-60.12*	
		For >500, Deduct	*-88.11*	
26 51 19 00-0064	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	633.19	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*52.39*	
		For >50 To 100, Deduct	*-17.90*	
		For >100 To 250, Deduct	*-33.73*	
		For >250 To 500, Deduct	*-63.32*	
		For >500, Deduct	*-92.91*	
26 51 19 00-0065	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	697.20	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*55.59*	
		For >50 To 100, Deduct	*-19.50*	
		For >100 To 250, Deduct	*-36.93*	
		For >250 To 500, Deduct	*-69.72*	
		For >500, Deduct	*-102.51*	

26 51 19 00-0066 Architectural, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0067 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0066)*

Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0068	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	384.85	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*39.98*	
		For >50 To 100, Deduct	*-11.69*	
		For >100 To 250, Deduct	*-21.32*	
		For >250 To 500, Deduct	*-38.49*	
		For >500, Deduct	*-55.65*	
26 51 19 00-0069	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	449.14	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*43.19*	
		For >50 To 100, Deduct	*-13.30*	
		For >100 To 250, Deduct	*-24.53*	
		For >250 To 500, Deduct	*-44.91*	
		For >500, Deduct	*-65.30*	
26 51 19 00-0070	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	507.01	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*46.08*	
		For >50 To 100, Deduct	*-14.75*	
		For >100 To 250, Deduct	*-27.42*	
		For >250 To 500, Deduct	*-50.70*	
		For >500, Deduct	*-73.98*	

26 51 19 00-0071 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) *(26 51 19 00-0066)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0072	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	490.62	55.20
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*153.44*	
		For Surface Mount, Add	*265.22*	
		For >50 To 100, Deduct	*-14.34*	
		For >100 To 250, Deduct	*-26.60*	
		For >250 To 500, Deduct	*-49.06*	
		For >500, Deduct	*-71.52*	
26 51 19 00-0073	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	529.58	55.20
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*153.44*	
		For Surface Mount, Add	*265.22*	
		For >50 To 100, Deduct	*-15.31*	
		For >100 To 250, Deduct	*-28.55*	
		For >250 To 500, Deduct	*-52.96*	
		For >500, Deduct	*-77.36*	
26 51 19 00-0074	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	529.58	55.20
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*153.44*	
		For Surface Mount, Add	*265.22*	
		For >50 To 100, Deduct	*-15.31*	
		For >100 To 250, Deduct	*-28.55*	
		For >250 To 500, Deduct	*-52.96*	
		For >500, Deduct	*-77.36*	
26 51 19 00-0075	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	587.10	55.20
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*153.44*	
		For Surface Mount, Add	*265.22*	
		For >50 To 100, Deduct	*-16.75*	
		For >100 To 250, Deduct	*-31.43*	
		For >250 To 500, Deduct	*-58.71*	
		For >500, Deduct	*-85.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0076	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	456.72	47.38
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*134.17*	
		For Surface Mount, Add	*249.86*	
		For >50 To 100, Deduct	*-13.20*	
		For >100 To 250, Deduct	*-24.61*	
		For >250 To 500, Deduct	*-45.67*	
		For >500, Deduct	*-66.73*	
26 51 19 00-0077	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	430.52	47.38
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*134.17*	
		For Surface Mount, Add	*249.86*	
		For >50 To 100, Deduct	*-12.54*	
		For >100 To 250, Deduct	*-23.30*	
		For >250 To 500, Deduct	*-43.05*	
		For >500, Deduct	*-62.80*	
26 51 19 00-0078	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	512.23	55.20
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*157.15*	
		For Surface Mount, Add	*289.34*	
		For >50 To 100, Deduct	*-14.88*	
		For >100 To 250, Deduct	*-27.68*	
		For >250 To 500, Deduct	*-51.22*	
		For >500, Deduct	*-74.76*	
26 51 19 00-0079	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	529.58	55.20
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*157.15*	
		For Surface Mount, Add	*289.34*	
		For >50 To 100, Deduct	*-15.31*	
		For >100 To 250, Deduct	*-28.55*	
		For >250 To 500, Deduct	*-52.96*	
		For >500, Deduct	*-77.36*	
26 51 19 00-0080	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	529.58	55.20
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*157.15*	
		For Surface Mount, Add	*289.34*	
		For >50 To 100, Deduct	*-15.31*	
		For >100 To 250, Deduct	*-28.55*	
		For >250 To 500, Deduct	*-52.96*	
		For >500, Deduct	*-77.36*	
26 51 19 00-0081	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K	676.16	55.20
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*157.15*	
		For Surface Mount, Add	*289.34*	
		For >50 To 100, Deduct	*-18.98*	
		For >100 To 250, Deduct	*-35.88*	
		For >250 To 500, Deduct	*-67.62*	
		For >500, Deduct	*-99.35*	
26 51 19 00-0082	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	587.10	55.20
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*157.15*	
		For Surface Mount, Add	*289.34*	
		For >50 To 100, Deduct	*-16.75*	
		For >100 To 250, Deduct	*-31.43*	
		For >250 To 500, Deduct	*-58.71*	
		For >500, Deduct	*-85.99*	

26 51 19 00-0083 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) *(26 51 19 00-0066)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0084	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	277.06	47.38
		For >50 To 100, Deduct	*-8.70*	
		For >100 To 250, Deduct	*-15.63*	
		For >250 To 500, Deduct	*-27.71*	
		For >500, Deduct	*-39.78*	
26 51 19 00-0085	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	366.64	55.20
		For >50 To 100, Deduct	*-11.24*	
		For >100 To 250, Deduct	*-20.41*	
		For >250 To 500, Deduct	*-36.66*	
		For >500, Deduct	*-52.92*	

26 51 19 00-0086 Architectural, Lay-In/Troffer LED Fixtures (Finelite) *(26 51 19 00-0066)*

Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0087	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	410.65	47.38
		For >50 To 100, Deduct	*-12.04*	
		For >100 To 250, Deduct	*-22.31*	
		For >250 To 500, Deduct	*-41.07*	
		For >500, Deduct	*-59.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0088	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	556.69	55.67
		For >50 To 100, Deduct	*-15.99*	
		For >100 To 250, Deduct	*-29.91*	
		For >250 To 500, Deduct	*-55.67*	
		For >500, Deduct	*-81.43*	
26 51 19 00-0089		**Shadow Box Style, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0034)*		
26 51 19 00-0090		**Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)** *(26 51 19 00-0089)*		
26 51 19 00-0091	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	652.29	47.38
		For Drywall Or Plaster Ceilings, Add	*31.99*	
		For >50 To 100, Deduct	*-18.08*	
		For >100 To 250, Deduct	*-34.39*	
		For >250 To 500, Deduct	*-65.23*	
		For >500, Deduct	*-96.07*	
26 51 19 00-0092	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	889.91	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*65.23*	
		For >50 To 100, Deduct	*-24.32*	
		For >100 To 250, Deduct	*-46.57*	
		For >250 To 500, Deduct	*-88.99*	
		For >500, Deduct	*-131.41*	
26 51 19 00-0093		**Panel Type, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0034)*		
26 51 19 00-0094		**Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy)** *(26 51 19 00-0093)*		
26 51 19 00-0095	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	445.47	55.20
		For >50 To 100, Deduct	*-13.21*	
		For >100 To 250, Deduct	*-24.35*	
		For >250 To 500, Deduct	*-44.55*	
		For >500, Deduct	*-64.75*	
26 51 19 00-0096	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	462.83	55.20
		For >50 To 100, Deduct	*-13.64*	
		For >100 To 250, Deduct	*-25.21*	
		For >250 To 500, Deduct	*-46.28*	
		For >500, Deduct	*-67.35*	
26 51 19 00-0097	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	577.89	55.20
		For >50 To 100, Deduct	*-16.52*	
		For >100 To 250, Deduct	*-30.97*	
		For >250 To 500, Deduct	*-57.79*	
		For >500, Deduct	*-84.61*	
26 51 19 00-0098	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	577.89	55.20
		For >50 To 100, Deduct	*-16.52*	
		For >100 To 250, Deduct	*-30.97*	
		For >250 To 500, Deduct	*-57.79*	
		For >500, Deduct	*-84.61*	
26 51 19 00-0099		**Panel Type, Lay-In/Troffer LED Fixtures (Sylvania)** *(26 51 19 00-0093)*		
26 51 19 00-0100	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	235.51	55.20
		For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	*57.00*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 250, Deduct	*-13.85*	
		For >250 To 500, Deduct	*-23.55*	
		For >500, Deduct	*-33.25*	
26 51 19 00-0101	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	242.95	55.20
		For >50 To 100, Deduct	*-8.15*	
		For >100 To 250, Deduct	*-14.22*	
		For >250 To 500, Deduct	*-24.30*	
		For >500, Deduct	*-34.37*	
26 51 19 00-0102	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	246.35	55.20
		For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	*71.25*	
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 250, Deduct	*-14.39*	
		For >250 To 500, Deduct	*-24.64*	
		For >500, Deduct	*-34.88*	
26 51 19 00-0103	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)	567.44	55.20
		For >50 To 100, Deduct	*-16.26*	
		For >100 To 250, Deduct	*-30.45*	
		For >250 To 500, Deduct	*-56.74*	
		For >500, Deduct	*-83.04*	
26 51 19 00-0104		**Surface Mount LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0105		**Surface Mount, Volumetric LED Fixtures (Lithonia STL)** *(26 51 19 00-0104)*		
26 51 19 00-0106	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	335.94	35.53
		For >50 To 100, Deduct	*-9.73*	
		For >100 To 250, Deduct	*-18.13*	
		For >250 To 500, Deduct	*-33.59*	
		For >500, Deduct	*-49.06*	
26 51 19 00-0107	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	304.25	43.35
		For >50 To 100, Deduct	*-9.24*	
		For >100 To 250, Deduct	*-16.84*	
		For >250 To 500, Deduct	*-30.43*	
		For >500, Deduct	*-44.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0108	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	341.02	43.35
		For >50 To 100, Deduct	*-10.15*	
		For >100 To 250, Deduct	*-18.68*	
		For >250 To 500, Deduct	*-34.10*	
		For >500, Deduct	*-49.52*	

26 51 19 00-0109 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) *(26 51 19 00-0104)*

26 51 19 00-0110	EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	282.71	35.53
		For >50 To 100, Deduct	*-8.40*	
		For >100 To 250, Deduct	*-15.47*	
		For >250 To 500, Deduct	*-28.27*	
		For >500, Deduct	*-41.07*	
26 51 19 00-0111	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	371.44	43.35
		For >50 To 100, Deduct	*-10.91*	
		For >100 To 250, Deduct	*-20.20*	
		For >250 To 500, Deduct	*-37.14*	
		For >500, Deduct	*-54.09*	

26 51 19 00-0112 Surface Mount, Shadow Box Style LED Fixtures *(26 51 19 00-0104)*

26 51 19 00-0113 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) *(26 51 19 00-0112)*

26 51 19 00-0114	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	836.81	47.38
		For >50 To 100, Deduct	*-22.70*	
		For >100 To 250, Deduct	*-43.62*	
		For >250 To 500, Deduct	*-83.68*	
		For >500, Deduct	*-123.74*	
26 51 19 00-0115	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	1,074.43	55.20
		For >50 To 100, Deduct	*-28.93*	
		For >100 To 250, Deduct	*-55.79*	
		For >250 To 500, Deduct	*-107.44*	
		For >500, Deduct	*-159.09*	

26 51 19 00-0116 Surface Mount, Low Profile Fixtures *(26 51 19 00-0104)*

26 51 19 00-0117	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	111.98	32.47
		For >50 To 100, Deduct	*-4.42*	
		For >100 To 250, Deduct	*-7.22*	
		For >250 To 500, Deduct	*-11.20*	
		For >500, Deduct	*-15.17*	
26 51 19 00-0118	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	91.55	32.47
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 250, Deduct	*-6.20*	
		For >250 To 500, Deduct	*-9.16*	
		For >500, Deduct	*-12.11*	
26 51 19 00-0119	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	154.87	32.47
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 250, Deduct	*-9.37*	
		For >250 To 500, Deduct	*-15.49*	
		For >500, Deduct	*-21.61*	
26 51 19 00-0120	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	187.56	32.47
		For >50 To 100, Deduct	*-6.31*	
		For >100 To 250, Deduct	*-11.00*	
		For >250 To 500, Deduct	*-18.76*	
		For >500, Deduct	*-26.51*	

26 51 19 00-0121 Recessed LED Downlights *(26 51 19 00-0001)*

26 51 19 00-0122 Recessed LED Downlights *(26 51 19 00-0121)*

26 51 19 00-0123 Recessed LED Downlights (Lithonia) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0124	EA	8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	384.93	57.05
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*79.26*	
		For >50 To 100, Deduct	*-11.76*	
		For >100 To 250, Deduct	*-21.39*	
		For >250 To 500, Deduct	*-38.49*	
		For >500, Deduct	*-55.60*	
26 51 19 00-0125	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	417.08	57.05
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*79.26*	
		For >50 To 100, Deduct	*-12.57*	
		For >100 To 250, Deduct	*-22.99*	
		For >250 To 500, Deduct	*-41.71*	
		For >500, Deduct	*-60.42*	

26 51 19 00-0126 Recessed LED Downlights (Portfolio®) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0127	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	248.20	57.05
		For >50 To 100, Deduct	*-8.34*	
		For >100 To 250, Deduct	*-14.55*	
		For >250 To 500, Deduct	*-24.82*	
		For >500, Deduct	*-35.09*	

26 51 19 00-0128 Recessed LED Downlights (Gotham® EVO®) *(26 51 19 00-0122)*

Note: Includes housing and trim.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0129	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	316.91	57.05
		For >50 To 100, Deduct	*-10.06*	
		For >100 To 250, Deduct	*-17.99*	
		For >250 To 500, Deduct	*-31.69*	
		For >500, Deduct	*-45.40*	
26 51 19 00-0130	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	326.80	57.05
		For >50 To 100, Deduct	*-10.31*	
		For >100 To 250, Deduct	*-18.48*	
		For >250 To 500, Deduct	*-32.68*	
		For >500, Deduct	*-46.88*	
26 51 19 00-0131	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	367.38	57.05
		For >50 To 100, Deduct	*-11.32*	
		For >100 To 250, Deduct	*-20.51*	
		For >250 To 500, Deduct	*-36.74*	
		For >500, Deduct	*-52.97*	
26 51 19 00-0132	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	371.35	57.05
		For >50 To 100, Deduct	*-11.42*	
		For >100 To 250, Deduct	*-20.71*	
		For >250 To 500, Deduct	*-37.14*	
		For >500, Deduct	*-53.56*	
26 51 19 00-0133	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	405.98	57.05
		For >50 To 100, Deduct	*-12.29*	
		For >100 To 250, Deduct	*-22.44*	
		For >250 To 500, Deduct	*-40.60*	
		For >500, Deduct	*-58.76*	

26 51 19 00-0134 Recessed LED Downlights (Lightolier) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0135	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	626.16	57.05
		For >50 To 100, Deduct	*-17.79*	
		For >100 To 250, Deduct	*-33.45*	
		For >250 To 500, Deduct	*-62.62*	
		For >500, Deduct	*-91.78*	
26 51 19 00-0136	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	734.55	57.05
		For >50 To 100, Deduct	*-20.50*	
		For >100 To 250, Deduct	*-38.87*	
		For >250 To 500, Deduct	*-73.46*	
		For >500, Deduct	*-108.04*	
26 51 19 00-0137	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	788.63	57.05
		For >50 To 100, Deduct	*-21.86*	
		For >100 To 250, Deduct	*-41.57*	
		For >250 To 500, Deduct	*-78.86*	
		For >500, Deduct	*-116.16*	
26 51 19 00-0138	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	788.63	57.05
		For >50 To 100, Deduct	*-21.86*	
		For >100 To 250, Deduct	*-41.57*	
		For >250 To 500, Deduct	*-78.86*	
		For >500, Deduct	*-116.16*	
26 51 19 00-0139	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	815.79	57.05
		For >50 To 100, Deduct	*-22.53*	
		For >100 To 250, Deduct	*-42.93*	
		For >250 To 500, Deduct	*-81.58*	
		For >500, Deduct	*-120.23*	
26 51 19 00-0140	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	842.97	57.05
		For >50 To 100, Deduct	*-23.21*	
		For >100 To 250, Deduct	*-44.29*	
		For >250 To 500, Deduct	*-84.30*	
		For >500, Deduct	*-124.31*	

26 51 19 00-0141 Recessed LED Downlights (Cooper) *(26 51 19 00-0122)*

26 51 19 00-0142	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	157.49	57.05
		For >50 To 100, Deduct	*-6.08*	
		For >100 To 250, Deduct	*-10.01*	
		For >250 To 500, Deduct	*-15.75*	
		For >500, Deduct	*-21.48*	
26 51 19 00-0143	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	157.49	57.05
		For >50 To 100, Deduct	*-6.08*	
		For >100 To 250, Deduct	*-10.01*	
		For >250 To 500, Deduct	*-15.75*	
		For >500, Deduct	*-21.48*	
26 51 19 00-0144	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	157.49	57.05
		For >50 To 100, Deduct	*-6.08*	
		For >100 To 250, Deduct	*-10.01*	
		For >250 To 500, Deduct	*-15.75*	
		For >500, Deduct	*-21.48*	
26 51 19 00-0145	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	157.49	57.05
		For >50 To 100, Deduct	*-6.08*	
		For >100 To 250, Deduct	*-10.01*	
		For >250 To 500, Deduct	*-15.75*	
		For >500, Deduct	*-21.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0146	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	160.17	57.05
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-10.15*	
		For >250 To 500, Deduct	*-16.02*	
		For >500, Deduct	*-21.89*	
26 51 19 00-0147	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	160.17	57.05
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-10.15*	
		For >250 To 500, Deduct	*-16.02*	
		For >500, Deduct	*-21.89*	
26 51 19 00-0148	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	160.17	57.05
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-10.15*	
		For >250 To 500, Deduct	*-16.02*	
		For >500, Deduct	*-21.89*	
26 51 19 00-0149	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	160.17	57.05
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-10.15*	
		For >250 To 500, Deduct	*-16.02*	
		For >500, Deduct	*-21.89*	
26 51 19 00-0150	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	196.48	57.05
		For >50 To 100, Deduct	*-7.05*	
		For >100 To 250, Deduct	*-11.96*	
		For >250 To 500, Deduct	*-19.65*	
		For >500, Deduct	*-27.33*	
26 51 19 00-0151	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	194.64	57.05
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 250, Deduct	*-11.87*	
		For >250 To 500, Deduct	*-19.46*	
		For >500, Deduct	*-27.06*	
26 51 19 00-0152	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	194.64	57.05
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 250, Deduct	*-11.87*	
		For >250 To 500, Deduct	*-19.46*	
		For >500, Deduct	*-27.06*	
26 51 19 00-0153	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	194.64	57.05
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 250, Deduct	*-11.87*	
		For >250 To 500, Deduct	*-19.46*	
		For >500, Deduct	*-27.06*	
26 51 19 00-0154	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	91.84	18.15
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 250, Deduct	*-5.27*	
		For >250 To 500, Deduct	*-9.18*	
		For >500, Deduct	*-13.10*	
26 51 19 00-0155	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	58.61	18.15
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 500, Deduct	*-5.86*	
		For >500, Deduct	*-8.11*	
26 51 19 00-0156	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	72.91	18.15
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 500, Deduct	*-7.29*	
		For >500, Deduct	*-10.26*	
26 51 19 00-0157	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	61.49	18.15
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 250, Deduct	*-3.76*	
		For >250 To 500, Deduct	*-6.15*	
		For >500, Deduct	*-8.54*	
26 51 19 00-0158	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	49.80	18.15
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-4.98*	
		For >500, Deduct	*-6.79*	
26 51 19 00-0159	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	60.97	18.15
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.10*	
		For >500, Deduct	*-8.46*	
26 51 19 00-0160	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	67.77	18.15
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-6.78*	
		For >500, Deduct	*-9.48*	
26 51 19 00-0161	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	73.84	18.15
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-4.37*	
		For >250 To 500, Deduct	*-7.38*	
		For >500, Deduct	*-10.40*	
26 51 19 00-0162	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	85.68	18.15
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 500, Deduct	*-8.57*	
		For >500, Deduct	*-12.17*	
26 51 19 00-0163	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	86.06	18.15
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-8.61*	
		For >500, Deduct	*-12.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0164	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	84.36	18.15
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-4.90*	
		For >250 To 500, Deduct	*-8.44*	
		For >500, Deduct	*-11.97*	
26 51 19 00-0165	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	103.79	18.15
		For >50 To 100, Deduct	*-3.28*	
		For >100 To 250, Deduct	*-5.87*	
		For >250 To 500, Deduct	*-10.38*	
		For >500, Deduct	*-14.89*	
26 51 19 00-0166	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	50.21	18.15
		For >50 To 100, Deduct	*-1.94*	
		For >100 To 250, Deduct	*-3.19*	
		For >250 To 500, Deduct	*-5.02*	
		For >500, Deduct	*-6.85*	
26 51 19 00-0167	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	89.00	18.15
		For >50 To 100, Deduct	*-2.91*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-8.90*	
		For >500, Deduct	*-12.67*	
26 51 19 00-0168	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	75.92	18.15
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 250, Deduct	*-4.48*	
		For >250 To 500, Deduct	*-7.59*	
		For >500, Deduct	*-10.71*	
26 51 19 00-0169	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	71.33	18.15
		For >50 To 100, Deduct	*-2.46*	
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-7.13*	
		For >500, Deduct	*-10.02*	
26 51 19 00-0170	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	63.77	18.15
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 250, Deduct	*-3.87*	
		For >250 To 500, Deduct	*-6.38*	
		For >500, Deduct	*-8.88*	
26 51 19 00-0171	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	64.31	18.15
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-3.90*	
		For >250 To 500, Deduct	*-6.43*	
		For >500, Deduct	*-8.97*	
26 51 19 00-0172	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	69.17	18.15
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 250, Deduct	*-4.14*	
		For >250 To 500, Deduct	*-6.92*	
		For >500, Deduct	*-9.69*	
26 51 19 00-0173	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	63.47	18.15
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-3.85*	
		For >250 To 500, Deduct	*-6.35*	
		For >500, Deduct	*-8.84*	
26 51 19 00-0174	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	78.95	18.15
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 250, Deduct	*-4.63*	
		For >250 To 500, Deduct	*-7.90*	
		For >500, Deduct	*-11.16*	
26 51 19 00-0175	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	85.48	18.15
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-4.95*	
		For >250 To 500, Deduct	*-8.55*	
		For >500, Deduct	*-12.14*	
26 51 19 00-0176	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	107.19	18.15
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 250, Deduct	*-6.04*	
		For >250 To 500, Deduct	*-10.72*	
		For >500, Deduct	*-15.40*	
26 51 19 00-0177	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	104.47	18.15
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-5.90*	
		For >250 To 500, Deduct	*-10.45*	
		For >500, Deduct	*-14.99*	
26 51 19 00-0178	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	105.67	18.15
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-5.96*	
		For >250 To 500, Deduct	*-10.57*	
		For >500, Deduct	*-15.17*	
26 51 19 00-0179	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	64.97	18.15
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.50*	
		For >500, Deduct	*-9.06*	
26 51 19 00-0180	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	64.18	38.90
		For >50 To 100, Deduct	*-3.06*	
		For >100 To 250, Deduct	*-4.67*	
		For >250 To 500, Deduct	*-6.42*	
		For >500, Deduct	*-8.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0181	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	69.49	38.90
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-4.93*	
		For >250 To 500, Deduct	*-6.95*	
		For >500, Deduct	*-8.97*	
26 51 19 00-0182	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	67.36	38.90
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-4.83*	
		For >250 To 500, Deduct	*-6.74*	
		For >500, Deduct	*-8.65*	
26 51 19 00-0183	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	88.31	38.90
		For >50 To 100, Deduct	*-3.67*	
		For >100 To 250, Deduct	*-5.87*	
		For >250 To 500, Deduct	*-8.83*	
		For >500, Deduct	*-11.79*	
26 51 19 00-0184	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	85.85	38.90
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-8.59*	
		For >500, Deduct	*-11.42*	
26 51 19 00-0185	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	70.22	38.90
		For >50 To 100, Deduct	*-3.21*	
		For >100 To 250, Deduct	*-4.97*	
		For >250 To 500, Deduct	*-7.02*	
		For >500, Deduct	*-9.07*	
26 51 19 00-0186	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	73.80	38.90
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-7.38*	
		For >500, Deduct	*-9.61*	
26 51 19 00-0187	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	69.47	38.90
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-4.93*	
		For >250 To 500, Deduct	*-6.95*	
		For >500, Deduct	*-8.96*	
26 51 19 00-0188	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	73.39	38.90
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-7.34*	
		For >500, Deduct	*-9.55*	
26 51 19 00-0189	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	70.12	38.90
		For >50 To 100, Deduct	*-3.21*	
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 500, Deduct	*-7.01*	
		For >500, Deduct	*-9.06*	
26 51 19 00-0190	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	69.75	38.90
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-4.95*	
		For >250 To 500, Deduct	*-6.98*	
		For >500, Deduct	*-9.00*	
26 51 19 00-0191	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T)	72.58	38.90
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-5.09*	
		For >250 To 500, Deduct	*-7.26*	
		For >500, Deduct	*-9.43*	
26 51 19 00-0192	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT)	74.12	38.90
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-5.16*	
		For >250 To 500, Deduct	*-7.41*	
		For >500, Deduct	*-9.66*	
26 51 19 00-0193	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	74.61	38.90
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-5.19*	
		For >250 To 500, Deduct	*-7.46*	
		For >500, Deduct	*-9.73*	
26 51 19 00-0194	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	98.34	38.90
		For >50 To 100, Deduct	*-3.92*	
		For >100 To 250, Deduct	*-6.38*	
		For >250 To 500, Deduct	*-9.83*	
		For >500, Deduct	*-13.29*	
26 51 19 00-0195	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	92.38	38.90
		For >50 To 100, Deduct	*-3.77*	
		For >100 To 250, Deduct	*-6.08*	
		For >250 To 500, Deduct	*-9.24*	
		For >500, Deduct	*-12.40*	
26 51 19 00-0196	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	93.07	38.90
		For >50 To 100, Deduct	*-3.79*	
		For >100 To 250, Deduct	*-6.11*	
		For >250 To 500, Deduct	*-9.31*	
		For >500, Deduct	*-12.50*	
26 51 19 00-0197	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	97.05	38.90
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.71*	
		For >500, Deduct	*-13.10*	
26 51 19 00-0198	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	97.05	38.90
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.71*	
		For >500, Deduct	*-13.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0199	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	97.05	38.90
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.71*	
		For >500, Deduct	*-13.10*	
26 51 19 00-0200	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	97.05	38.90
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.71*	
		For >500, Deduct	*-13.10*	
26 51 19 00-0201	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	97.05	38.90
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.71*	
		For >500, Deduct	*-13.10*	
26 51 19 00-0202	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	86.64	38.90
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 250, Deduct	*-5.79*	
		For >250 To 500, Deduct	*-8.66*	
		For >500, Deduct	*-11.54*	
26 51 19 00-0203	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	86.64	38.90
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 250, Deduct	*-5.79*	
		For >250 To 500, Deduct	*-8.66*	
		For >500, Deduct	*-11.54*	
26 51 19 00-0204	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	86.64	38.90
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 250, Deduct	*-5.79*	
		For >250 To 500, Deduct	*-8.66*	
		For >500, Deduct	*-11.54*	
26 51 19 00-0205	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700)	86.64	38.90
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 250, Deduct	*-5.79*	
		For >250 To 500, Deduct	*-8.66*	
		For >500, Deduct	*-11.54*	
26 51 19 00-0206	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	86.64	38.90
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 250, Deduct	*-5.79*	
		For >250 To 500, Deduct	*-8.66*	
		For >500, Deduct	*-11.54*	
26 51 19 00-0207	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	87.40	38.90
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-5.83*	
		For >250 To 500, Deduct	*-8.74*	
		For >500, Deduct	*-11.65*	
26 51 19 00-0208	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	99.10	38.90
		For >50 To 100, Deduct	*-3.94*	
		For >100 To 250, Deduct	*-6.41*	
		For >250 To 500, Deduct	*-9.91*	
		For >500, Deduct	*-13.41*	
26 51 19 00-0209	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	87.40	38.90
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-5.83*	
		For >250 To 500, Deduct	*-8.74*	
		For >500, Deduct	*-11.65*	
26 51 19 00-0210	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	95.79	38.90
		For >50 To 100, Deduct	*-3.85*	
		For >100 To 250, Deduct	*-6.25*	
		For >250 To 500, Deduct	*-9.58*	
		For >500, Deduct	*-12.91*	
26 51 19 00-0211	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	82.66	38.90
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-5.59*	
		For >250 To 500, Deduct	*-8.27*	
		For >500, Deduct	*-10.94*	
26 51 19 00-0212	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	83.81	38.90
		For >50 To 100, Deduct	*-3.55*	
		For >100 To 250, Deduct	*-5.65*	
		For >250 To 500, Deduct	*-8.38*	
		For >500, Deduct	*-11.11*	
26 51 19 00-0213	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	91.99	38.90
		For >50 To 100, Deduct	*-3.76*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-9.20*	
		For >500, Deduct	*-12.34*	
26 51 19 00-0214	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	91.99	38.90
		For >50 To 100, Deduct	*-3.76*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-9.20*	
		For >500, Deduct	*-12.34*	
26 51 19 00-0215	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	91.99	38.90
		For >50 To 100, Deduct	*-3.76*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-9.20*	
		For >500, Deduct	*-12.34*	
26 51 19 00-0216	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	91.99	38.90
		For >50 To 100, Deduct	*-3.76*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-9.20*	
		For >500, Deduct	*-12.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0217	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	91.99	38.90
		For >50 To 100, Deduct	*-3.76*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-9.20*	
		For >500, Deduct	*-12.34*	
26 51 19 00-0218	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	73.60	18.15
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 500, Deduct	*-7.36*	
		For >500, Deduct	*-10.36*	
26 51 19 00-0219	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	75.98	18.15
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 250, Deduct	*-4.48*	
		For >250 To 500, Deduct	*-7.60*	
		For >500, Deduct	*-10.72*	
26 51 19 00-0220	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	77.48	38.90
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-5.33*	
		For >250 To 500, Deduct	*-7.75*	
		For >500, Deduct	*-10.16*	
26 51 19 00-0221	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	77.77	38.90
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-5.35*	
		For >250 To 500, Deduct	*-7.78*	
		For >500, Deduct	*-10.21*	
26 51 19 00-0222	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	72.83	38.90
		For >50 To 100, Deduct	*-3.28*	
		For >100 To 250, Deduct	*-5.10*	
		For >250 To 500, Deduct	*-7.28*	
		For >500, Deduct	*-9.47*	
26 51 19 00-0223	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	75.26	38.90
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 250, Deduct	*-5.22*	
		For >250 To 500, Deduct	*-7.53*	
		For >500, Deduct	*-9.83*	
26 51 19 00-0224	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	74.46	38.90
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-5.18*	
		For >250 To 500, Deduct	*-7.45*	
		For >500, Deduct	*-9.71*	
26 51 19 00-0225	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	75.20	38.90
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 250, Deduct	*-5.22*	
		For >250 To 500, Deduct	*-7.52*	
		For >500, Deduct	*-9.82*	
26 51 19 00-0226	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	85.60	38.90
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-5.74*	
		For >250 To 500, Deduct	*-8.56*	
		For >500, Deduct	*-11.38*	
26 51 19 00-0227	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	86.16	38.90
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-5.77*	
		For >250 To 500, Deduct	*-8.62*	
		For >500, Deduct	*-11.47*	
26 51 19 00-0228	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	88.96	38.90
		For >50 To 100, Deduct	*-3.68*	
		For >100 To 250, Deduct	*-5.91*	
		For >250 To 500, Deduct	*-8.90*	
		For >500, Deduct	*-11.89*	
26 51 19 00-0229	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	90.92	38.90
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-6.00*	
		For >250 To 500, Deduct	*-9.09*	
		For >500, Deduct	*-12.18*	
26 51 19 00-0230	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	99.53	38.90
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-6.44*	
		For >250 To 500, Deduct	*-9.95*	
		For >500, Deduct	*-13.47*	

26 51 19 00-0231 Recessed LED Downlights (Maxlite DLR) *(26 51 19 00-0122)*

26 51 19 00-0232	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	184.07	57.05
		For >50 To 100, Deduct	*-6.74*	
		For >100 To 250, Deduct	*-11.34*	
		For >250 To 500, Deduct	*-18.41*	
		For >500, Deduct	*-25.47*	
26 51 19 00-0233	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	186.60	57.05
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 250, Deduct	*-11.47*	
		For >250 To 500, Deduct	*-18.66*	
		For >500, Deduct	*-25.85*	
26 51 19 00-0234	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	194.18	57.05
		For >50 To 100, Deduct	*-6.99*	
		For >100 To 250, Deduct	*-11.85*	
		For >250 To 500, Deduct	*-19.42*	
		For >500, Deduct	*-26.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0235	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	179.01	57.05
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.09*	
		For >250 To 500, Deduct	*-17.90*	
		For >500, Deduct	*-24.71*	
26 51 19 00-0236	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	179.01	57.05
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.09*	
		For >250 To 500, Deduct	*-17.90*	
		For >500, Deduct	*-24.71*	
26 51 19 00-0237	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	179.01	57.05
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.09*	
		For >250 To 500, Deduct	*-17.90*	
		For >500, Deduct	*-24.71*	
26 51 19 00-0238	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	194.18	57.05
		For >50 To 100, Deduct	*-6.99*	
		For >100 To 250, Deduct	*-11.85*	
		For >250 To 500, Deduct	*-19.42*	
		For >500, Deduct	*-26.99*	
26 51 19 00-0239	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	196.70	57.05
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-11.97*	
		For >250 To 500, Deduct	*-19.67*	
		For >500, Deduct	*-27.37*	
26 51 19 00-0240	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	201.74	57.05
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 250, Deduct	*-12.23*	
		For >250 To 500, Deduct	*-20.17*	
		For >500, Deduct	*-28.12*	
26 51 19 00-0241	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	216.89	57.05
		For >50 To 100, Deduct	*-7.56*	
		For >100 To 250, Deduct	*-12.98*	
		For >250 To 500, Deduct	*-21.69*	
		For >500, Deduct	*-30.39*	
26 51 19 00-0242	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	237.10	57.05
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 250, Deduct	*-13.99*	
		For >250 To 500, Deduct	*-23.71*	
		For >500, Deduct	*-33.43*	

26 51 19 00-0243 Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 19 00-0121)*

26 51 19 00-0244 Recessed LED Downlight Retrofits (CREE®) *(26 51 19 00-0243)*

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0245	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	113.19	
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-11.32*	
		For >500, Deduct	*-16.17*	
26 51 19 00-0246	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	100.09	
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-5.82*	
		For >250 To 500, Deduct	*-10.01*	
		For >500, Deduct	*-14.20*	
26 51 19 00-0247	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	126.29	
		For >50 To 100, Deduct	*-3.97*	
		For >100 To 250, Deduct	*-7.13*	
		For >250 To 500, Deduct	*-12.63*	
		For >500, Deduct	*-18.13*	
26 51 19 00-0248	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	141.56	
		For >50 To 100, Deduct	*-4.35*	
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-14.16*	
		For >500, Deduct	*-20.42*	
26 51 19 00-0249	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	154.66	
		For >50 To 100, Deduct	*-4.68*	
		For >100 To 250, Deduct	*-8.54*	
		For >250 To 500, Deduct	*-15.47*	
		For >500, Deduct	*-22.39*	

26 51 19 00-0250 Recessed LED Downlight Retrofits Trim (CREE®) *(26 51 19 00-0243)*

Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.

26 51 19 00-0251	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	41.27	9.08
		For >50 To 100, Deduct	*-1.52*	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-4.13*	
		For >500, Deduct	*-5.70*	
26 51 19 00-0252	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	50.01	9.08
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-2.99*	
		For >250 To 500, Deduct	*-5.00*	
		For >500, Deduct	*-7.02*	
26 51 19 00-0253	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	43.46	9.08
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 250, Deduct	*-2.66*	
		For >250 To 500, Deduct	*-4.35*	
		For >500, Deduct	*-6.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0254		Recessed LED Downlight Fixture Housings (CREE®) *(26 51 19 00-0243)*		
		Note: Excludes lamp and trim.		
26 51 19 00-0255	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	110.74	38.90
		For >50 To 100, Deduct	*-4.23*	
		For >100 To 250, Deduct	*-7.00*	
		For >250 To 500, Deduct	*-11.07*	
		For >500, Deduct	*-15.15*	
26 51 19 00-0256	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	80.16	38.90
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 250, Deduct	*-5.47*	
		For >250 To 500, Deduct	*-8.02*	
		For >500, Deduct	*-10.57*	
26 51 19 00-0257		Can Retrofit Or Surface Mount, LED Downlights *(26 51 19 00-0121)*		
26 51 19 00-0258	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	101.65	35.53
		For >50 To 100, Deduct	*-3.87*	
		For >100 To 250, Deduct	*-6.42*	
		For >250 To 500, Deduct	*-10.17*	
		For >500, Deduct	*-13.91*	
26 51 19 00-0259	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	82.86	35.53
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-8.29*	
		For >500, Deduct	*-11.10*	
26 51 19 00-0260	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	82.86	35.53
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-8.29*	
		For >500, Deduct	*-11.10*	
26 51 19 00-0261	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	143.47	35.53
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*52.41*	
		For >50 To 100, Deduct	*-4.92*	
		For >100 To 250, Deduct	*-8.51*	
		For >250 To 500, Deduct	*-14.35*	
		For >500, Deduct	*-20.19*	
26 51 19 00-0262	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	72.28	35.53
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-4.95*	
		For >250 To 500, Deduct	*-7.23*	
		For >500, Deduct	*-9.51*	
26 51 19 00-0263	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	79.90	35.53
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 250, Deduct	*-5.33*	
		For >250 To 500, Deduct	*-7.99*	
		For >500, Deduct	*-10.65*	
26 51 19 00-0264	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	947.12	35.53
		For >50 To 100, Deduct	*-25.01*	
		For >100 To 250, Deduct	*-48.69*	
		For >250 To 500, Deduct	*-94.71*	
		For >500, Deduct	*-140.74*	
26 51 19 00-0265		Wall Mount LED Cylinder Downlight *(26 51 19 00-0001)*		
26 51 19 00-0266	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	415.21	55.20
		For >50 To 100, Deduct	*-12.45*	
		For >100 To 250, Deduct	*-22.83*	
		For >250 To 500, Deduct	*-41.52*	
		For >500, Deduct	*-60.21*	
26 51 19 00-0267		Wall Sconce And Wall Wash LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0268		LED Wall Sconce Fixtures (Hudson Valley Lighting) *(26 51 19 00-0267)*		
26 51 19 00-0269	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	544.69	51.87
		For >50 To 100, Deduct	*-15.56*	
		For >100 To 250, Deduct	*-29.18*	
		For >250 To 500, Deduct	*-54.47*	
		For >500, Deduct	*-79.76*	
26 51 19 00-0270		LED Wall Sconce Fixtures (Kichler) *(26 51 19 00-0267)*		
26 51 19 00-0271	EA	6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	303.86	51.87
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 250, Deduct	*-17.14*	
		For >250 To 500, Deduct	*-30.39*	
		For >500, Deduct	*-43.63*	
26 51 19 00-0272		LED Wall Sconce Fixtures (Metalux) *(26 51 19 00-0267)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0273	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	149.93	51.87
		For >50 To 100, Deduct	*-5.69*	
		For >100 To 250, Deduct	*-9.44*	
		For >250 To 500, Deduct	*-14.99*	
		For >500, Deduct	*-20.54*	
26 51 19 00-0274	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	132.17	51.87
		For >50 To 100, Deduct	*-5.25*	
		For >100 To 250, Deduct	*-8.55*	
		For >250 To 500, Deduct	*-13.22*	
		For >500, Deduct	*-17.88*	

26 51 19 00-0275 Concealed Continuous LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0276 Concealed Continuous LED Fixtures (Fraqtir™ S301) *(26 51 19 00-0275)*

26 51 19 00-0277	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	739.96	5.92
		For >50 To 100, Deduct	*-18.80*	
		For >100 To 250, Deduct	*-37.29*	
		For >250 To 500, Deduct	*-74.00*	
		For >500, Deduct	*-110.70*	
26 51 19 00-0278	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	843.63	5.92
		For >50 To 100, Deduct	*-21.39*	
		For >100 To 250, Deduct	*-42.48*	
		For >250 To 500, Deduct	*-84.36*	
		For >500, Deduct	*-126.25*	

26 51 19 00-0279 Low Bay LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0280 LED Linear Low Bay Fixtures (PlanLED) *(26 51 19 00-0279)*

26 51 19 00-0281	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	380.89	71.08
		For >50 To 100, Deduct	*-12.48*	
		For >100 To 250, Deduct	*-22.01*	
		For >250 To 500, Deduct	*-38.09*	
		For >500, Deduct	*-54.17*	
26 51 19 00-0282	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	516.48	71.08
		For >50 To 100, Deduct	*-15.87*	
		For >100 To 250, Deduct	*-28.79*	
		For >250 To 500, Deduct	*-51.65*	
		For >500, Deduct	*-74.51*	
26 51 19 00-0283	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	858.83	88.84
		For >50 To 100, Deduct	*-25.17*	
		For >100 To 250, Deduct	*-46.64*	
		For >250 To 500, Deduct	*-85.88*	
		For >500, Deduct	*-125.12*	

26 51 19 00-0284 LED Low Bay Fixtures (CREE®) *(26 51 19 00-0279)*

26 51 19 00-0285 LED Low Bay Fixtures (CREE® LS) *(26 51 19 00-0284)*

Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0286	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	335.55	71.08
		For >50 To 100, Deduct	*-11.35*	
		For >100 To 250, Deduct	*-19.74*	
		For >250 To 500, Deduct	*-33.56*	
		For >500, Deduct	*-47.37*	
26 51 19 00-0287	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	357.81	71.08
		For >50 To 100, Deduct	*-11.91*	
		For >100 To 250, Deduct	*-20.85*	
		For >250 To 500, Deduct	*-35.78*	
		For >500, Deduct	*-50.71*	
26 51 19 00-0288	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	344.83	71.08
		For >50 To 100, Deduct	*-11.58*	
		For >100 To 250, Deduct	*-20.20*	
		For >250 To 500, Deduct	*-34.48*	
		For >500, Deduct	*-48.76*	
26 51 19 00-0289	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	367.09	71.08
		For >50 To 100, Deduct	*-12.14*	
		For >100 To 250, Deduct	*-21.32*	
		For >250 To 500, Deduct	*-36.71*	
		For >500, Deduct	*-52.10*	
26 51 19 00-0290	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	383.79	71.08
		For >50 To 100, Deduct	*-12.56*	
		For >100 To 250, Deduct	*-22.15*	
		For >250 To 500, Deduct	*-38.38*	
		For >500, Deduct	*-54.61*	
26 51 19 00-0291	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	406.06	71.08
		For >50 To 100, Deduct	*-13.11*	
		For >100 To 250, Deduct	*-23.26*	
		For >250 To 500, Deduct	*-40.61*	
		For >500, Deduct	*-57.95*	
26 51 19 00-0292	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	537.72	88.84
		For >50 To 100, Deduct	*-17.14*	
		For >100 To 250, Deduct	*-30.59*	
		For >250 To 500, Deduct	*-53.77*	
		For >500, Deduct	*-76.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0293	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	578.54	88.84
		For >50 To 100, Deduct	*-18.17*	
		For >100 To 250, Deduct	*-32.63*	
		For >250 To 500, Deduct	*-57.85*	
		For >500, Deduct	*-83.08*	
26 51 19 00-0294	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	663.89	88.84
		For >50 To 100, Deduct	*-20.30*	
		For >100 To 250, Deduct	*-36.90*	
		For >250 To 500, Deduct	*-66.39*	
		For >500, Deduct	*-95.88*	
26 51 19 00-0295	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	686.15	88.84
		For >50 To 100, Deduct	*-20.86*	
		For >100 To 250, Deduct	*-38.01*	
		For >250 To 500, Deduct	*-68.62*	
		For >500, Deduct	*-99.22*	

26 51 19 00-0296 LED Low Bay Fixtures (CREE® LN) *(26 51 19 00-0284)*

Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.

26 51 19 00-0297	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	747.46	71.08
		For >50 To 100, Deduct	*-21.65*	
		For >100 To 250, Deduct	*-40.33*	
		For >250 To 500, Deduct	*-74.75*	
		For >500, Deduct	*-109.16*	
26 51 19 00-0298	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	840.23	71.08
		For >50 To 100, Deduct	*-23.97*	
		For >100 To 250, Deduct	*-44.97*	
		For >250 To 500, Deduct	*-84.02*	
		For >500, Deduct	*-123.07*	

26 51 19 00-0299 LED Linear Low Bay Fixtures (CREE® CS) *(26 51 19 00-0284)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.

26 51 19 00-0300	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	724.57	71.08
		For >50 To 100, Deduct	*-21.08*	
		For >100 To 250, Deduct	*-39.19*	
		For >250 To 500, Deduct	*-72.46*	
		For >500, Deduct	*-105.72*	
26 51 19 00-0301	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	900.43	88.84
		For >50 To 100, Deduct	*-26.21*	
		For >100 To 250, Deduct	*-48.72*	
		For >250 To 500, Deduct	*-90.04*	
		For >500, Deduct	*-131.36*	
26 51 19 00-0302	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	1,142.73	88.84
		For >50 To 100, Deduct	*-32.27*	
		For >100 To 250, Deduct	*-60.84*	
		For >250 To 500, Deduct	*-114.27*	
		For >500, Deduct	*-167.71*	

26 51 19 00-0303 Accessories For LED Low Bay Fixtures (CREE®) *(26 51 19 00-0284)*

26 51 19 00-0304	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	65.22	19.48
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-6.52*	
		For >500, Deduct	*-8.97*	
26 51 19 00-0305	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	71.77	19.48
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-4.40*	
		For >250 To 500, Deduct	*-7.18*	
		For >500, Deduct	*-9.95*	
26 51 19 00-0306	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	54.29	19.48
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-3.53*	
		For >250 To 500, Deduct	*-5.43*	
		For >500, Deduct	*-7.33*	
26 51 19 00-0307	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	43.38	19.48
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 500, Deduct	*-4.34*	
		For >500, Deduct	*-5.70*	
26 51 19 00-0308	EA	Solid Reflector, Pair (Cree® LS4-SR)	141.61	19.48
		For >50 To 100, Deduct	*-4.35*	
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-14.16*	
		For >500, Deduct	*-20.43*	
26 51 19 00-0309	EA	Solid Reflector, Pair (Cree® LS8-SR)	196.20	19.48
		For >50 To 100, Deduct	*-5.72*	
		For >100 To 250, Deduct	*-10.62*	
		For >250 To 500, Deduct	*-19.62*	
		For >500, Deduct	*-28.62*	
26 51 19 00-0310	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	71.77	19.48
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-4.40*	
		For >250 To 500, Deduct	*-7.18*	
		For >500, Deduct	*-9.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0311	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	102.33	19.48
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 250, Deduct	*-5.93*	
		For >250 To 500, Deduct	*-10.23*	
		For >500, Deduct	*-14.54*	
26 51 19 00-0312	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	80.49	19.48
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-4.84*	
		For >250 To 500, Deduct	*-8.05*	
		For >500, Deduct	*-11.26*	
26 51 19 00-0313	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	108.88	19.48
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-6.26*	
		For >250 To 500, Deduct	*-10.89*	
		For >500, Deduct	*-15.52*	
26 51 19 00-0314	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	115.43	19.48
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 250, Deduct	*-6.58*	
		For >250 To 500, Deduct	*-11.54*	
		For >500, Deduct	*-16.50*	
26 51 19 00-0315	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	97.95	19.48
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.71*	
		For >250 To 500, Deduct	*-9.80*	
		For >500, Deduct	*-13.88*	
26 51 19 00-0316	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	148.16	19.48
		For >50 To 100, Deduct	*-4.52*	
		For >100 To 250, Deduct	*-8.22*	
		For >250 To 500, Deduct	*-14.82*	
		For >500, Deduct	*-21.41*	
26 51 19 00-0317	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	76.13	19.48
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 250, Deduct	*-4.62*	
		For >250 To 500, Deduct	*-7.61*	
		For >500, Deduct	*-10.61*	
26 51 19 00-0318	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	93.59	19.48
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 250, Deduct	*-5.49*	
		For >250 To 500, Deduct	*-9.36*	
		For >500, Deduct	*-13.23*	
26 51 19 00-0319	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	71.77	19.48
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-4.40*	
		For >250 To 500, Deduct	*-7.18*	
		For >500, Deduct	*-9.95*	
26 51 19 00-0320	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,435.38	47.38
		For >50 To 100, Deduct	*-37.66*	
		For >100 To 250, Deduct	*-73.55*	
		For >250 To 500, Deduct	*-143.54*	
		For >500, Deduct	*-213.53*	
26 51 19 00-0321	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	507.65	47.38
		For >50 To 100, Deduct	*-14.47*	
		For >100 To 250, Deduct	*-27.16*	
		For >250 To 500, Deduct	*-50.77*	
		For >500, Deduct	*-74.37*	

26 51 19 00-0322 LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 19 00-0279)*

Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0323	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	1,009.17	71.08
		For >50 To 100, Deduct	*-28.19*	
		For >100 To 250, Deduct	*-53.42*	
		For >250 To 500, Deduct	*-100.92*	
		For >500, Deduct	*-148.41*	

26 51 19 00-0324 High Bay LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0325 LED High Bay Fixtures (Columbia Lighting LWS) *(26 51 19 00-0324)*

26 51 19 00-0326	EA	16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU)	517.78	130.31
		For >50 To 100, Deduct	*-19.46*	
		For >100 To 250, Deduct	*-32.40*	
		For >250 To 500, Deduct	*-51.78*	
		For >500, Deduct	*-71.15*	
26 51 19 00-0327	EA	16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU)	517.78	130.31
		For >50 To 100, Deduct	*-19.46*	
		For >100 To 250, Deduct	*-32.40*	
		For >250 To 500, Deduct	*-51.78*	
		For >500, Deduct	*-71.15*	
26 51 19 00-0328	EA	16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU)	579.50	130.31
		For >50 To 100, Deduct	*-21.00*	
		For >100 To 250, Deduct	*-35.49*	
		For >250 To 500, Deduct	*-57.95*	
		For >500, Deduct	*-80.41*	
26 51 19 00-0329	EA	16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU)	579.50	130.31
		For >50 To 100, Deduct	*-21.00*	
		For >100 To 250, Deduct	*-35.49*	
		For >250 To 500, Deduct	*-57.95*	
		For >500, Deduct	*-80.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0330	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU)	682.37	130.31
		For >50 To 100, Deduct	*-23.57*	
		For >100 To 250, Deduct	*-40.63*	
		For >250 To 500, Deduct	*-68.24*	
		For >500, Deduct	*-95.84*	
26 51 19 00-0331	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU)	682.37	130.31
		For >50 To 100, Deduct	*-23.57*	
		For >100 To 250, Deduct	*-40.63*	
		For >250 To 500, Deduct	*-68.24*	
		For >500, Deduct	*-95.84*	
26 51 19 00-0332	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU)	723.52	130.31
		For >50 To 100, Deduct	*-24.60*	
		For >100 To 250, Deduct	*-42.69*	
		For >250 To 500, Deduct	*-72.35*	
		For >500, Deduct	*-102.01*	
26 51 19 00-0333	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU)	723.52	130.31
		For >50 To 100, Deduct	*-24.60*	
		For >100 To 250, Deduct	*-42.69*	
		For >250 To 500, Deduct	*-72.35*	
		For >500, Deduct	*-102.01*	
26 51 19 00-0334	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU)	754.38	130.31
		For >50 To 100, Deduct	*-25.37*	
		For >100 To 250, Deduct	*-44.23*	
		For >250 To 500, Deduct	*-75.44*	
		For >500, Deduct	*-106.64*	
26 51 19 00-0335	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU)	754.38	130.31
		For >50 To 100, Deduct	*-25.37*	
		For >100 To 250, Deduct	*-44.23*	
		For >250 To 500, Deduct	*-75.44*	
		For >500, Deduct	*-106.64*	

26 51 19 00-0336 LED High Bay Fixtures (Cree) *(26 51 19 00-0324)*

26 51 19 00-0337 LED High Bay Fixtures (CREE®) *(26 51 19 00-0336)*

26 51 19 00-0338	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	889.61	130.31
		For >50 To 100, Deduct	*-28.76*	
		For >100 To 250, Deduct	*-51.00*	
		For >250 To 500, Deduct	*-88.96*	
		For >500, Deduct	*-126.93*	
26 51 19 00-0339	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	1,068.27	130.31
		For >50 To 100, Deduct	*-33.22*	
		For >100 To 250, Deduct	*-59.93*	
		For >250 To 500, Deduct	*-106.83*	
		For >500, Deduct	*-153.73*	
26 51 19 00-0340	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	980.97	130.31
		For >50 To 100, Deduct	*-31.04*	
		For >100 To 250, Deduct	*-55.56*	
		For >250 To 500, Deduct	*-98.10*	
		For >500, Deduct	*-140.63*	
26 51 19 00-0341	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML)	1,122.86	130.31
		For >50 To 100, Deduct	*-34.59*	
		For >100 To 250, Deduct	*-62.66*	
		For >250 To 500, Deduct	*-112.29*	
		For >500, Deduct	*-161.91*	
26 51 19 00-0342	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	921.15	130.31
		For >50 To 100, Deduct	*-29.54*	
		For >100 To 250, Deduct	*-52.57*	
		For >250 To 500, Deduct	*-92.12*	
		For >500, Deduct	*-131.66*	
26 51 19 00-0343	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML)	1,101.02	130.31
		For >50 To 100, Deduct	*-34.04*	
		For >100 To 250, Deduct	*-61.57*	
		For >250 To 500, Deduct	*-110.10*	
		For >500, Deduct	*-158.64*	
26 51 19 00-0344	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V)	1,013.70	130.31
		For >50 To 100, Deduct	*-31.86*	
		For >100 To 250, Deduct	*-57.20*	
		For >250 To 500, Deduct	*-101.37*	
		For >500, Deduct	*-145.54*	
26 51 19 00-0345	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	1,155.59	130.31
		For >50 To 100, Deduct	*-35.41*	
		For >100 To 250, Deduct	*-64.29*	
		For >250 To 500, Deduct	*-115.56*	
		For >500, Deduct	*-166.82*	

26 51 19 00-0346 Accessories For LED High Bay Fixtures (CREE®) *(26 51 19 00-0336)*

26 51 19 00-0347	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	65.22	19.48
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-6.52*	
		For >500, Deduct	*-8.97*	
26 51 19 00-0348	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P)	65.22	19.48
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-6.52*	
		For >500, Deduct	*-8.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0349	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	87.04	19.48
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-5.16*	
		For >250 To 500, Deduct	*-8.70*	
		For >500, Deduct	*-12.24*	
26 51 19 00-0350	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	130.70	19.48
		For >50 To 100, Deduct	*-4.08*	
		For >100 To 250, Deduct	*-7.35*	
		For >250 To 500, Deduct	*-13.07*	
		For >500, Deduct	*-18.79*	
26 51 19 00-0351	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	152.54	19.48
		For >50 To 100, Deduct	*-4.63*	
		For >100 To 250, Deduct	*-8.44*	
		For >250 To 500, Deduct	*-15.25*	
		For >500, Deduct	*-22.07*	
26 51 19 00-0352	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	87.04	19.48
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-5.16*	
		For >250 To 500, Deduct	*-8.70*	
		For >500, Deduct	*-12.24*	
26 51 19 00-0353	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	89.23	19.48
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 250, Deduct	*-5.27*	
		For >250 To 500, Deduct	*-8.92*	
		For >500, Deduct	*-12.57*	
26 51 19 00-0354	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	65.22	19.48
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-6.52*	
		For >500, Deduct	*-8.97*	
26 51 19 00-0355	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	69.58	19.48
		For >50 To 100, Deduct	*-2.55*	
		For >100 To 250, Deduct	*-4.29*	
		For >250 To 500, Deduct	*-6.96*	
		For >500, Deduct	*-9.63*	
26 51 19 00-0356	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	45.57	19.48
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 250, Deduct	*-3.09*	
		For >250 To 500, Deduct	*-4.56*	
		For >500, Deduct	*-6.02*	
26 51 19 00-0357	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	47.76	19.48
		For >50 To 100, Deduct	*-2.01*	
		For >100 To 250, Deduct	*-3.20*	
		For >250 To 500, Deduct	*-4.78*	
		For >500, Deduct	*-6.35*	

26 51 19 00-0358 LED High Bay Fixtures (DLE) *(26 51 19 00-0324)*

26 51 19 00-0359	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,483.11	130.31
		For >50 To 100, Deduct	*-43.59*	
		For >100 To 250, Deduct	*-80.67*	
		For >250 To 500, Deduct	*-148.31*	
		For >500, Deduct	*-215.95*	
26 51 19 00-0360	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,819.90	130.31
		For >50 To 100, Deduct	*-52.01*	
		For >100 To 250, Deduct	*-97.51*	
		For >250 To 500, Deduct	*-181.99*	
		For >500, Deduct	*-266.47*	
26 51 19 00-0361	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,132.63	130.31
		For >50 To 100, Deduct	*-59.83*	
		For >100 To 250, Deduct	*-113.15*	
		For >250 To 500, Deduct	*-213.26*	
		For >500, Deduct	*-313.38*	

26 51 19 00-0362 LED High Bay Fixtures (Everlast) *(26 51 19 00-0324)*

26 51 19 00-0363 LED High Bay Fixtures (Everlast EL-LED-LG) *(26 51 19 00-0362)*

26 51 19 00-0364	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,004.17	130.31
		For >50 To 100, Deduct	*-31.62*	
		For >100 To 250, Deduct	*-56.72*	
		For >250 To 500, Deduct	*-100.42*	
		For >500, Deduct	*-144.11*	
26 51 19 00-0365	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,061.03	130.31
		For >50 To 100, Deduct	*-33.04*	
		For >100 To 250, Deduct	*-59.57*	
		For >250 To 500, Deduct	*-106.10*	
		For >500, Deduct	*-152.64*	
26 51 19 00-0366	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	947.31	130.31
		For >50 To 100, Deduct	*-30.20*	
		For >100 To 250, Deduct	*-53.88*	
		For >250 To 500, Deduct	*-94.73*	
		For >500, Deduct	*-135.58*	
26 51 19 00-0367	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	971.37	130.31
		For >50 To 100, Deduct	*-30.80*	
		For >100 To 250, Deduct	*-55.08*	
		For >250 To 500, Deduct	*-97.14*	
		For >500, Deduct	*-139.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0368	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,102.58	130.31
		For >50 To 100, Deduct	*-34.08*	
		For >100 To 250, Deduct	*-61.64*	
		For >250 To 500, Deduct	*-110.26*	
		For >500, Deduct	*-158.87*	
26 51 19 00-0369	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,200.99	130.31
		For >50 To 100, Deduct	*-36.54*	
		For >100 To 250, Deduct	*-66.56*	
		For >250 To 500, Deduct	*-120.10*	
		For >500, Deduct	*-173.63*	
26 51 19 00-0370	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,050.10	130.31
		For >50 To 100, Deduct	*-32.77*	
		For >100 To 250, Deduct	*-59.02*	
		For >250 To 500, Deduct	*-105.01*	
		For >500, Deduct	*-151.00*	
26 51 19 00-0371	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,135.39	130.31
		For >50 To 100, Deduct	*-34.90*	
		For >100 To 250, Deduct	*-63.28*	
		For >250 To 500, Deduct	*-113.54*	
		For >500, Deduct	*-163.79*	
26 51 19 00-0372	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,649.32	130.31
		For >50 To 100, Deduct	*-47.75*	
		For >100 To 250, Deduct	*-88.98*	
		For >250 To 500, Deduct	*-164.93*	
		For >500, Deduct	*-240.88*	
26 51 19 00-0373	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,802.40	130.31
		For >50 To 100, Deduct	*-51.58*	
		For >100 To 250, Deduct	*-96.64*	
		For >250 To 500, Deduct	*-180.24*	
		For >500, Deduct	*-263.84*	
26 51 19 00-0374	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,239.79	130.31
		For >50 To 100, Deduct	*-62.51*	
		For >100 To 250, Deduct	*-118.50*	
		For >250 To 500, Deduct	*-223.98*	
		For >500, Deduct	*-329.45*	

26 51 19 00-0375 LED High Bay Fixtures (Everlast EL-LED-CS) *(26 51 19 00-0362)*

26 51 19 00-0376	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	632.39	130.31
		For >50 To 100, Deduct	*-22.33*	
		For >100 To 250, Deduct	*-38.13*	
		For >250 To 500, Deduct	*-63.24*	
		For >500, Deduct	*-88.34*	
26 51 19 00-0377	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	927.63	130.31
		For >50 To 100, Deduct	*-29.71*	
		For >100 To 250, Deduct	*-52.90*	
		For >250 To 500, Deduct	*-92.76*	
		For >500, Deduct	*-132.63*	
26 51 19 00-0378	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,058.84	130.31
		For >50 To 100, Deduct	*-32.99*	
		For >100 To 250, Deduct	*-59.46*	
		For >250 To 500, Deduct	*-105.88*	
		For >500, Deduct	*-152.31*	
26 51 19 00-0379	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,211.93	130.31
		For >50 To 100, Deduct	*-36.81*	
		For >100 To 250, Deduct	*-67.11*	
		For >250 To 500, Deduct	*-121.19*	
		For >500, Deduct	*-175.27*	
26 51 19 00-0380	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,310.34	130.31
		For >50 To 100, Deduct	*-39.27*	
		For >100 To 250, Deduct	*-72.03*	
		For >250 To 500, Deduct	*-131.03*	
		For >500, Deduct	*-190.04*	

26 51 19 00-0381 LED High Bay Fixtures (Everlast EL-LED-HB-LG) *(26 51 19 00-0362)*

26 51 19 00-0382	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	829.21	130.31
		For >50 To 100, Deduct	*-27.25*	
		For >100 To 250, Deduct	*-47.98*	
		For >250 To 500, Deduct	*-82.92*	
		For >500, Deduct	*-117.87*	
26 51 19 00-0383	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	883.89	130.31
		For >50 To 100, Deduct	*-28.61*	
		For >100 To 250, Deduct	*-50.71*	
		For >250 To 500, Deduct	*-88.39*	
		For >500, Deduct	*-126.07*	
26 51 19 00-0384	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	960.43	130.31
		For >50 To 100, Deduct	*-30.53*	
		For >100 To 250, Deduct	*-54.54*	
		For >250 To 500, Deduct	*-96.04*	
		For >500, Deduct	*-137.55*	

26 51 19 00-0385 LED High Bay Fixtures (Everlast EL-LED-LHB) *(26 51 19 00-0362)*

26 51 19 00-0386	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	842.34	130.31
		For >50 To 100, Deduct	*-27.57*	
		For >100 To 250, Deduct	*-48.63*	
		For >250 To 500, Deduct	*-84.23*	
		For >500, Deduct	*-119.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0387	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,036.97	130.31
		For >50 To 100, Deduct	*-32.44*	
		For >100 To 250, Deduct	*-58.36*	
		For >250 To 500, Deduct	*-103.70*	
		For >500, Deduct	*-149.03*	
26 51 19 00-0388	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,288.47	130.31
		For >50 To 100, Deduct	*-38.73*	
		For >100 To 250, Deduct	*-70.94*	
		For >250 To 500, Deduct	*-128.85*	
		For >500, Deduct	*-186.76*	

26 51 19 00-0389 LED High Bay Fixtures (Lithonia IBG) *(26 51 19 00-0324)*

26 51 19 00-0390	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	471.05	127.93
		For >50 To 100, Deduct	*-16.64*	
		For >100 To 250, Deduct	*-28.42*	
		For >250 To 500, Deduct	*-47.11*	
		For >500, Deduct	*-65.79*	
26 51 19 00-0391	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	489.84	127.93
		For >50 To 100, Deduct	*-17.11*	
		For >100 To 250, Deduct	*-29.36*	
		For >250 To 500, Deduct	*-48.98*	
		For >500, Deduct	*-68.61*	
26 51 19 00-0392	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	532.12	127.93
		For >50 To 100, Deduct	*-18.17*	
		For >100 To 250, Deduct	*-31.47*	
		For >250 To 500, Deduct	*-53.21*	
		For >500, Deduct	*-74.95*	
26 51 19 00-0393	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	598.87	127.93
		For >50 To 100, Deduct	*-19.84*	
		For >100 To 250, Deduct	*-34.81*	
		For >250 To 500, Deduct	*-59.89*	
		For >500, Deduct	*-84.96*	
26 51 19 00-0394	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	653.21	127.93
		For >50 To 100, Deduct	*-21.20*	
		For >100 To 250, Deduct	*-37.53*	
		For >250 To 500, Deduct	*-65.32*	
		For >500, Deduct	*-93.12*	
26 51 19 00-0395	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	780.96	127.93
		For >50 To 100, Deduct	*-24.39*	
		For >100 To 250, Deduct	*-43.91*	
		For >250 To 500, Deduct	*-78.10*	
		For >500, Deduct	*-112.28*	
26 51 19 00-0396	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	944.05	127.93
		For >50 To 100, Deduct	*-28.47*	
		For >100 To 250, Deduct	*-52.07*	
		For >250 To 500, Deduct	*-94.41*	
		For >500, Deduct	*-136.74*	
26 51 19 00-0397	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,361.61	130.31
		For >50 To 100, Deduct	*-40.56*	
		For >100 To 250, Deduct	*-74.60*	
		For >250 To 500, Deduct	*-136.16*	
		For >500, Deduct	*-197.73*	

26 51 19 00-0398 LED High Bay Fixtures (Lithonia IBL) *(26 51 19 00-0324)*

26 51 19 00-0399	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	654.54	130.31
		For >50 To 100, Deduct	*-22.88*	
		For >100 To 250, Deduct	*-39.24*	
		For >250 To 500, Deduct	*-65.45*	
		For >500, Deduct	*-91.67*	
26 51 19 00-0400	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	705.98	130.31
		For >50 To 100, Deduct	*-24.16*	
		For >100 To 250, Deduct	*-41.81*	
		For >250 To 500, Deduct	*-70.60*	
		For >500, Deduct	*-99.38*	
26 51 19 00-0401	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	844.85	130.31
		For >50 To 100, Deduct	*-27.64*	
		For >100 To 250, Deduct	*-48.76*	
		For >250 To 500, Deduct	*-84.49*	
		For >500, Deduct	*-120.21*	
26 51 19 00-0402	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	900.40	130.31
		For >50 To 100, Deduct	*-29.03*	
		For >100 To 250, Deduct	*-51.54*	
		For >250 To 500, Deduct	*-90.04*	
		For >500, Deduct	*-128.54*	

26 51 19 00-0403 LED High Bay Fixtures (Metalux SSLED) *(26 51 19 00-0324)*

26 51 19 00-0404	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	770.48	130.31
		For >50 To 100, Deduct	*-25.78*	
		For >100 To 250, Deduct	*-45.04*	
		For >250 To 500, Deduct	*-77.05*	
		For >500, Deduct	*-109.06*	
26 51 19 00-0405	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	790.51	130.31
		For >50 To 100, Deduct	*-26.28*	
		For >100 To 250, Deduct	*-46.04*	
		For >250 To 500, Deduct	*-79.05*	
		For >500, Deduct	*-112.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0406	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	798.58	130.31
		For >50 To 100, Deduct	*-26.48*	
		For >100 To 250, Deduct	*-46.44*	
		For >250 To 500, Deduct	*-79.86*	
		For >500, Deduct	*-113.27*	
26 51 19 00-0407	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	875.38	130.31
		For >50 To 100, Deduct	*-28.40*	
		For >100 To 250, Deduct	*-50.28*	
		For >250 To 500, Deduct	*-87.54*	
		For >500, Deduct	*-124.79*	
26 51 19 00-0408	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	964.84	130.31
		For >50 To 100, Deduct	*-30.64*	
		For >100 To 250, Deduct	*-54.76*	
		For >250 To 500, Deduct	*-96.48*	
		For >500, Deduct	*-138.21*	
26 51 19 00-0409	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	998.41	130.31
		For >50 To 100, Deduct	*-31.48*	
		For >100 To 250, Deduct	*-56.44*	
		For >250 To 500, Deduct	*-99.84*	
		For >500, Deduct	*-143.25*	

26 51 19 00-0410 LED High Bay Fixtures (PlanLED) *(26 51 19 00-0324)*

26 51 19 00-0411 LED High Bay Fixtures (PlanLED LUNA) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0412	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	977.93	130.31
		For >50 To 100, Deduct	*-30.96*	
		For >100 To 250, Deduct	*-55.41*	
		For >250 To 500, Deduct	*-97.79*	
		For >500, Deduct	*-140.17*	
26 51 19 00-0413	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,100.39	130.31
		For >50 To 100, Deduct	*-34.03*	
		For >100 To 250, Deduct	*-61.53*	
		For >250 To 500, Deduct	*-110.04*	
		For >500, Deduct	*-158.54*	
26 51 19 00-0414	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,277.54	130.31
		For >50 To 100, Deduct	*-38.45*	
		For >100 To 250, Deduct	*-70.39*	
		For >250 To 500, Deduct	*-127.75*	
		For >500, Deduct	*-185.12*	
26 51 19 00-0415	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,450.31	130.31
		For >50 To 100, Deduct	*-42.77*	
		For >100 To 250, Deduct	*-79.03*	
		For >250 To 500, Deduct	*-145.03*	
		For >500, Deduct	*-211.03*	

26 51 19 00-0416 LED High Bay Fixtures (PlanLED IBL) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0417	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	1,065.40	130.31
		For 480 Volt, Add	*61.39*	
		For >50 To 100, Deduct	*-33.15*	
		For >100 To 250, Deduct	*-59.79*	
		For >250 To 500, Deduct	*-106.54*	
		For >500, Deduct	*-153.29*	
26 51 19 00-0418	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,491.86	130.31
		For 480 Volt, Add	*77.79*	
		For >50 To 100, Deduct	*-43.81*	
		For >100 To 250, Deduct	*-81.11*	
		For >250 To 500, Deduct	*-149.19*	
		For >500, Deduct	*-217.26*	
26 51 19 00-0419	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,666.24	130.31
		For 480 Volt, Add	*123.44*	
		For >50 To 100, Deduct	*-73.17*	
		For >100 To 250, Deduct	*-139.83*	
		For >250 To 500, Deduct	*-266.62*	
		For >500, Deduct	*-393.42*	

26 51 19 00-0420 LED High Bay Fixtures (PlanLED SEGA) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0421	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	835.78	130.31
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-27.41*	
		For >100 To 250, Deduct	*-48.30*	
		For >250 To 500, Deduct	*-83.58*	
		For >500, Deduct	*-118.85*	
26 51 19 00-0422	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	894.82	130.31
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-28.89*	
		For >100 To 250, Deduct	*-51.26*	
		For >250 To 500, Deduct	*-89.48*	
		For >500, Deduct	*-127.71*	
26 51 19 00-0423	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,098.21	130.31
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-33.97*	
		For >100 To 250, Deduct	*-61.43*	
		For >250 To 500, Deduct	*-109.82*	
		For >500, Deduct	*-158.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0424	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,244.73	130.31
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-37.63*	
		For >100 To 250, Deduct	*-68.75*	
		For >250 To 500, Deduct	*-124.47*	
		For >500, Deduct	*-180.19*	
26 51 19 00-0425	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,325.08	130.31
		For >50 To 100, Deduct	*-64.64*	
		For >100 To 250, Deduct	*-122.77*	
		For >250 To 500, Deduct	*-232.51*	
		For >500, Deduct	*-342.25*	
26 51 19 00-0426	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,517.53	130.31
		For >50 To 100, Deduct	*-69.45*	
		For >100 To 250, Deduct	*-132.39*	
		For >250 To 500, Deduct	*-251.75*	
		For >500, Deduct	*-371.11*	
26 51 19 00-0427	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,842.55	130.31
		For >50 To 100, Deduct	*-102.58*	
		For >100 To 250, Deduct	*-198.64*	
		For >250 To 500, Deduct	*-384.26*	
		For >500, Deduct	*-569.87*	

26 51 19 00-0428 Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0429 Wet Location, LED Fixtures *(26 51 19 00-0428)*

26 51 19 00-0430 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0429)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0431	EA	3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	3,716.52	99.51
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-97.06*	
		For >100 To 250, Deduct	*-189.97*	
		For >250 To 500, Deduct	*-371.65*	
		For >500, Deduct	*-553.33*	
26 51 19 00-0432	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	3,784.49	106.61
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-99.05*	
		For >100 To 250, Deduct	*-193.67*	
		For >250 To 500, Deduct	*-378.45*	
		For >500, Deduct	*-563.23*	
26 51 19 00-0433	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	4,279.46	113.72
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-111.73*	
		For >100 To 250, Deduct	*-218.71*	
		For >250 To 500, Deduct	*-427.95*	
		For >500, Deduct	*-637.18*	
26 51 19 00-0434	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	5,166.31	120.83
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-134.19*	
		For >100 To 250, Deduct	*-263.35*	
		For >250 To 500, Deduct	*-516.63*	
		For >500, Deduct	*-769.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0435	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	6,612.95	127.93
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-170.65*	
		For >100 To 250, Deduct	*-335.98*	
		For >250 To 500, Deduct	*-661.30*	
		For >500, Deduct	*-986.61*	
26 51 19 00-0436	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	8,734.70	131.49
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-223.85*	
		For >100 To 250, Deduct	*-442.21*	
		For >250 To 500, Deduct	*-873.47*	
		For >500, Deduct	*-1,304.73*	
26 51 19 00-0437	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	10,132.00	135.04
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-258.93*	
		For >100 To 250, Deduct	*-512.23*	
		For >250 To 500, Deduct	*-1,013.20*	
		For >500, Deduct	*-1,514.17*	

26 51 19 00-0438 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0429)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0439	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	3,334.60	106.61
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-87.81*	
		For >100 To 250, Deduct	*-171.17*	
		For >250 To 500, Deduct	*-333.46*	
		For >500, Deduct	*-495.75*	
26 51 19 00-0440	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	4,961.13	113.72
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-128.77*	
		For >100 To 250, Deduct	*-252.80*	
		For >250 To 500, Deduct	*-496.11*	
		For >500, Deduct	*-739.43*	
26 51 19 00-0441	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	5,474.81	120.83
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-141.90*	
		For >100 To 250, Deduct	*-278.78*	
		For >250 To 500, Deduct	*-547.48*	
		For >500, Deduct	*-816.19*	
26 51 19 00-0442	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	6,296.02	127.93
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-162.73*	
		For >100 To 250, Deduct	*-320.13*	
		For >250 To 500, Deduct	*-629.60*	
		For >500, Deduct	*-939.07*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0443		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0429)*		
		Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0444	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	2,288.90	99.51
		For 12/24 Volt DC Driver, Add	*51.38*	
		For Frosted Lens, Add	*104.99*	
		For 55 Degree Ambient Suitability (AC Only), Add	*69.95*	
		For Warm White Color Rendering, Add	*135.16*	
		For Ceiling Mount, Add	*159.62*	
		For Wall Mount, Add	*231.49*	
		For Teflon Coated Lens, Add	*222.85*	
		For Wall Mount With Junction Box, Add	*336.28*	
		For >50 To 100, Deduct	*-61.37*	
		For >100 To 250, Deduct	*-118.59*	
		For >250 To 500, Deduct	*-228.89*	
		For >500, Deduct	*-339.19*	
26 51 19 00-0445		Vaportight, LED Fixtures *(26 51 19 00-0428)*		
26 51 19 00-0446		General Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0445)*		
26 51 19 00-0447	EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U)	339.10	56.87
		For >50 To 100, Deduct	*-10.85*	
		For >100 To 250, Deduct	*-19.32*	
		For >250 To 500, Deduct	*-33.91*	
		For >500, Deduct	*-48.50*	
26 51 19 00-0448	EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U)	353.68	56.87
		For >50 To 100, Deduct	*-11.21*	
		For >100 To 250, Deduct	*-20.05*	
		For >250 To 500, Deduct	*-35.37*	
		For >500, Deduct	*-50.68*	
26 51 19 00-0449	EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U)	382.87	56.87
		For >50 To 100, Deduct	*-11.94*	
		For >100 To 250, Deduct	*-21.51*	
		For >250 To 500, Deduct	*-38.29*	
		For >500, Deduct	*-55.06*	
26 51 19 00-0450	EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U)	342.71	71.08
		For >50 To 100, Deduct	*-11.53*	
		For >100 To 250, Deduct	*-20.10*	
		For >250 To 500, Deduct	*-34.27*	
		For >500, Deduct	*-48.45*	
26 51 19 00-0451	EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U)	384.56	71.08
		For >50 To 100, Deduct	*-12.58*	
		For >100 To 250, Deduct	*-22.19*	
		For >250 To 500, Deduct	*-38.46*	
		For >500, Deduct	*-54.72*	
26 51 19 00-0452	EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U)	537.88	71.08
		For >50 To 100, Deduct	*-16.41*	
		For >100 To 250, Deduct	*-29.86*	
		For >250 To 500, Deduct	*-53.79*	
		For >500, Deduct	*-77.72*	
26 51 19 00-0453		Wide Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0445)*		
26 51 19 00-0454	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	368.28	56.87
		For >50 To 100, Deduct	*-11.58*	
		For >100 To 250, Deduct	*-20.78*	
		For >250 To 500, Deduct	*-36.83*	
		For >500, Deduct	*-52.87*	
26 51 19 00-0455	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	382.87	56.87
		For >50 To 100, Deduct	*-11.94*	
		For >100 To 250, Deduct	*-21.51*	
		For >250 To 500, Deduct	*-38.29*	
		For >500, Deduct	*-55.06*	
26 51 19 00-0456	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	412.05	56.87
		For >50 To 100, Deduct	*-12.67*	
		For >100 To 250, Deduct	*-22.97*	
		For >250 To 500, Deduct	*-41.21*	
		For >500, Deduct	*-59.44*	
26 51 19 00-0457	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	479.52	71.08
		For >50 To 100, Deduct	*-14.95*	
		For >100 To 250, Deduct	*-26.94*	
		For >250 To 500, Deduct	*-47.95*	
		For >500, Deduct	*-68.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0458	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	537.88	71.08
		For >50 To 100, Deduct	*-16.41*	
		For >100 To 250, Deduct	*-29.86*	
		For >250 To 500, Deduct	*-53.79*	
		For >500, Deduct	*-77.72*	
26 51 19 00-0459	EA	4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	596.25	71.08
		For >50 To 100, Deduct	*-17.87*	
		For >100 To 250, Deduct	*-32.77*	
		For >250 To 500, Deduct	*-59.63*	
		For >500, Deduct	*-86.48*	

26 51 19 00-0460 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0445)*

26 51 19 00-0461	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	368.28	56.87
		For >50 To 100, Deduct	*-11.58*	
		For >100 To 250, Deduct	*-20.78*	
		For >250 To 500, Deduct	*-36.83*	
		For >500, Deduct	*-52.87*	
26 51 19 00-0462	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	383.98	56.87
		For >50 To 100, Deduct	*-11.97*	
		For >100 To 250, Deduct	*-21.57*	
		For >250 To 500, Deduct	*-38.40*	
		For >500, Deduct	*-55.23*	
26 51 19 00-0463	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	412.05	56.87
		For >50 To 100, Deduct	*-12.67*	
		For >100 To 250, Deduct	*-22.97*	
		For >250 To 500, Deduct	*-41.21*	
		For >500, Deduct	*-59.44*	
26 51 19 00-0464	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	479.52	71.08
		For >50 To 100, Deduct	*-14.95*	
		For >100 To 250, Deduct	*-26.94*	
		For >250 To 500, Deduct	*-47.95*	
		For >500, Deduct	*-68.97*	
26 51 19 00-0465	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	537.88	71.08
		For >50 To 100, Deduct	*-16.41*	
		For >100 To 250, Deduct	*-29.86*	
		For >250 To 500, Deduct	*-53.79*	
		For >500, Deduct	*-77.72*	
26 51 19 00-0466	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	596.25	71.08
		For >50 To 100, Deduct	*-17.87*	
		For >100 To 250, Deduct	*-32.77*	
		For >250 To 500, Deduct	*-59.63*	
		For >500, Deduct	*-86.48*	

26 51 19 00-0467 Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0468 Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0467)*

26 51 19 00-0469	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	131.54	47.38
		For >50 To 100, Deduct	*-5.07*	
		For >100 To 250, Deduct	*-8.35*	
		For >250 To 500, Deduct	*-13.15*	
		For >500, Deduct	*-17.95*	
26 51 19 00-0470	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	137.54	47.38
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-13.75*	
		For >500, Deduct	*-18.85*	
26 51 19 00-0471	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	143.55	47.38
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 250, Deduct	*-8.95*	
		For >250 To 500, Deduct	*-14.36*	
		For >500, Deduct	*-19.76*	
26 51 19 00-0472	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	149.55	47.38
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-9.25*	
		For >250 To 500, Deduct	*-14.96*	
		For >500, Deduct	*-20.66*	
26 51 19 00-0473	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	144.87	52.12
		For >50 To 100, Deduct	*-5.58*	
		For >100 To 250, Deduct	*-9.20*	
		For >250 To 500, Deduct	*-14.49*	
		For >500, Deduct	*-19.78*	
26 51 19 00-0474	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	150.87	52.12
		For >50 To 100, Deduct	*-5.73*	
		For >100 To 250, Deduct	*-9.50*	
		For >250 To 500, Deduct	*-15.09*	
		For >500, Deduct	*-20.68*	
26 51 19 00-0475	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	156.87	52.12
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-9.80*	
		For >250 To 500, Deduct	*-15.69*	
		For >500, Deduct	*-21.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0476	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	162.88	52.12
		For >50 To 100, Deduct	*-6.03*	
		For >100 To 250, Deduct	*-10.10*	
		For >250 To 500, Deduct	*-16.29*	
		For >500, Deduct	*-22.48*	
26 51 19 00-0477	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	174.88	52.12
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 250, Deduct	*-10.70*	
		For >250 To 500, Deduct	*-17.49*	
		For >500, Deduct	*-24.28*	
26 51 19 00-0478	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	131.54	47.38
		For >50 To 100, Deduct	*-5.07*	
		For >100 To 250, Deduct	*-8.35*	
		For >250 To 500, Deduct	*-13.15*	
		For >500, Deduct	*-17.95*	
26 51 19 00-0479	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	137.54	47.38
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-13.75*	
		For >500, Deduct	*-18.85*	
26 51 19 00-0480	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	143.54	47.38
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 250, Deduct	*-8.95*	
		For >250 To 500, Deduct	*-14.35*	
		For >500, Deduct	*-19.75*	
26 51 19 00-0481	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	149.55	47.38
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-9.25*	
		For >250 To 500, Deduct	*-14.96*	
		For >500, Deduct	*-20.66*	
26 51 19 00-0482	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	144.87	52.12
		For >50 To 100, Deduct	*-5.58*	
		For >100 To 250, Deduct	*-9.20*	
		For >250 To 500, Deduct	*-14.49*	
		For >500, Deduct	*-19.78*	
26 51 19 00-0483	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	150.87	52.12
		For >50 To 100, Deduct	*-5.73*	
		For >100 To 250, Deduct	*-9.50*	
		For >250 To 500, Deduct	*-15.09*	
		For >500, Deduct	*-20.68*	
26 51 19 00-0484	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	156.87	52.12
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-9.80*	
		For >250 To 500, Deduct	*-15.69*	
		For >500, Deduct	*-21.58*	
26 51 19 00-0485	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	162.88	52.12
		For >50 To 100, Deduct	*-6.03*	
		For >100 To 250, Deduct	*-10.10*	
		For >250 To 500, Deduct	*-16.29*	
		For >500, Deduct	*-22.48*	
26 51 19 00-0486	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	174.88	52.12
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 250, Deduct	*-10.70*	
		For >250 To 500, Deduct	*-17.49*	
		For >500, Deduct	*-24.28*	
26 51 19 00-0487	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	131.54	47.38
		For >50 To 100, Deduct	*-5.07*	
		For >100 To 250, Deduct	*-8.35*	
		For >250 To 500, Deduct	*-13.15*	
		For >500, Deduct	*-17.95*	
26 51 19 00-0488	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	137.54	47.38
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-13.75*	
		For >500, Deduct	*-18.85*	
26 51 19 00-0489	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	143.54	47.38
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 250, Deduct	*-8.95*	
		For >250 To 500, Deduct	*-14.35*	
		For >500, Deduct	*-19.75*	
26 51 19 00-0490	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	149.55	47.38
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-9.25*	
		For >250 To 500, Deduct	*-14.96*	
		For >500, Deduct	*-20.66*	
26 51 19 00-0491	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	144.87	52.12
		For >50 To 100, Deduct	*-5.58*	
		For >100 To 250, Deduct	*-9.20*	
		For >250 To 500, Deduct	*-14.49*	
		For >500, Deduct	*-19.78*	
26 51 19 00-0492	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	150.87	52.12
		For >50 To 100, Deduct	*-5.73*	
		For >100 To 250, Deduct	*-9.50*	
		For >250 To 500, Deduct	*-15.09*	
		For >500, Deduct	*-20.68*	
26 51 19 00-0493	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	156.87	52.12
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-9.80*	
		For >250 To 500, Deduct	*-15.69*	
		For >500, Deduct	*-21.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0494	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	162.88	52.12
		For >50 To 100, Deduct	*-6.03*	
		For >100 To 250, Deduct	*-10.10*	
		For >250 To 500, Deduct	*-16.29*	
		For >500, Deduct	*-22.48*	
26 51 19 00-0495	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	174.88	52.12
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 250, Deduct	*-10.70*	
		For >250 To 500, Deduct	*-17.49*	
		For >500, Deduct	*-24.28*	
26 51 19 00-0496	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	131.54	47.38
		For >50 To 100, Deduct	*-5.07*	
		For >100 To 250, Deduct	*-8.35*	
		For >250 To 500, Deduct	*-13.15*	
		For >500, Deduct	*-17.95*	
26 51 19 00-0497	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	137.54	47.38
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-13.75*	
		For >500, Deduct	*-18.85*	
26 51 19 00-0498	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	143.54	47.38
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 250, Deduct	*-8.95*	
		For >250 To 500, Deduct	*-14.35*	
		For >500, Deduct	*-19.75*	
26 51 19 00-0499	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	149.55	47.38
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-9.25*	
		For >250 To 500, Deduct	*-14.96*	
		For >500, Deduct	*-20.66*	
26 51 19 00-0500	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	144.87	52.12
		For >50 To 100, Deduct	*-5.58*	
		For >100 To 250, Deduct	*-9.20*	
		For >250 To 500, Deduct	*-14.49*	
		For >500, Deduct	*-19.78*	
26 51 19 00-0501	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	150.87	52.12
		For >50 To 100, Deduct	*-5.73*	
		For >100 To 250, Deduct	*-9.50*	
		For >250 To 500, Deduct	*-15.09*	
		For >500, Deduct	*-20.68*	
26 51 19 00-0502	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	156.87	52.12
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-9.80*	
		For >250 To 500, Deduct	*-15.69*	
		For >500, Deduct	*-21.58*	
26 51 19 00-0503	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	162.88	52.12
		For >50 To 100, Deduct	*-6.03*	
		For >100 To 250, Deduct	*-10.10*	
		For >250 To 500, Deduct	*-16.29*	
		For >500, Deduct	*-22.48*	
26 51 19 00-0504	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	174.88	52.12
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 250, Deduct	*-10.70*	
		For >250 To 500, Deduct	*-17.49*	
		For >500, Deduct	*-24.28*	
26 51 19 00-0505	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	180.84	56.27
		For >50 To 100, Deduct	*-6.65*	
		For >100 To 250, Deduct	*-11.17*	
		For >250 To 500, Deduct	*-18.08*	
		For >500, Deduct	*-24.99*	
26 51 19 00-0506	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	194.48	56.27
		For >50 To 100, Deduct	*-6.99*	
		For >100 To 250, Deduct	*-11.86*	
		For >250 To 500, Deduct	*-19.45*	
		For >500, Deduct	*-27.04*	
26 51 19 00-0507	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	191.15	56.27
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.69*	
		For >250 To 500, Deduct	*-19.12*	
		For >500, Deduct	*-26.54*	
26 51 19 00-0508	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	191.09	56.27
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.69*	
		For >250 To 500, Deduct	*-19.11*	
		For >500, Deduct	*-26.53*	
26 51 19 00-0509	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	206.48	56.27
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-12.46*	
		For >250 To 500, Deduct	*-20.65*	
		For >500, Deduct	*-28.84*	
26 51 19 00-0510	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	201.52	56.27
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 250, Deduct	*-12.21*	
		For >250 To 500, Deduct	*-20.15*	
		For >500, Deduct	*-28.10*	
26 51 19 00-0511	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	222.31	56.27
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 250, Deduct	*-13.25*	
		For >250 To 500, Deduct	*-22.23*	
		For >500, Deduct	*-31.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0512	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	215.54	56.27
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 250, Deduct	*-12.91*	
		For >250 To 500, Deduct	*-21.55*	
		For >500, Deduct	*-30.20*	
26 51 19 00-0513	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	215.59	56.27
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 250, Deduct	*-12.91*	
		For >250 To 500, Deduct	*-21.56*	
		For >500, Deduct	*-30.21*	
26 51 19 00-0514	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	180.84	56.27
		For >50 To 100, Deduct	*-6.65*	
		For >100 To 250, Deduct	*-11.17*	
		For >250 To 500, Deduct	*-18.08*	
		For >500, Deduct	*-24.99*	
26 51 19 00-0515	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	194.48	56.27
		For >50 To 100, Deduct	*-6.99*	
		For >100 To 250, Deduct	*-11.86*	
		For >250 To 500, Deduct	*-19.45*	
		For >500, Deduct	*-27.04*	
26 51 19 00-0516	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	191.15	56.27
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.69*	
		For >250 To 500, Deduct	*-19.12*	
		For >500, Deduct	*-26.54*	
26 51 19 00-0517	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	191.09	56.27
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.69*	
		For >250 To 500, Deduct	*-19.11*	
		For >500, Deduct	*-26.53*	
26 51 19 00-0518	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	206.48	56.27
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-12.46*	
		For >250 To 500, Deduct	*-20.65*	
		For >500, Deduct	*-28.84*	
26 51 19 00-0519	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	201.52	56.27
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 250, Deduct	*-12.21*	
		For >250 To 500, Deduct	*-20.15*	
		For >500, Deduct	*-28.10*	
26 51 19 00-0520	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	222.31	56.27
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 250, Deduct	*-13.25*	
		For >250 To 500, Deduct	*-22.23*	
		For >500, Deduct	*-31.21*	
26 51 19 00-0521	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	215.54	56.27
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 250, Deduct	*-12.91*	
		For >250 To 500, Deduct	*-21.55*	
		For >500, Deduct	*-30.20*	
26 51 19 00-0522	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	215.59	56.27
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 250, Deduct	*-12.91*	
		For >250 To 500, Deduct	*-21.56*	
		For >500, Deduct	*-30.21*	
26 51 19 00-0523	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	180.84	56.27
		For >50 To 100, Deduct	*-6.65*	
		For >100 To 250, Deduct	*-11.17*	
		For >250 To 500, Deduct	*-18.08*	
		For >500, Deduct	*-24.99*	
26 51 19 00-0524	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	194.48	56.27
		For >50 To 100, Deduct	*-6.99*	
		For >100 To 250, Deduct	*-11.86*	
		For >250 To 500, Deduct	*-19.45*	
		For >500, Deduct	*-27.04*	
26 51 19 00-0525	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	191.15	56.27
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.69*	
		For >250 To 500, Deduct	*-19.12*	
		For >500, Deduct	*-26.54*	
26 51 19 00-0526	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	191.09	56.27
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.69*	
		For >250 To 500, Deduct	*-19.11*	
		For >500, Deduct	*-26.53*	
26 51 19 00-0527	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	206.48	56.27
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-12.46*	
		For >250 To 500, Deduct	*-20.65*	
		For >500, Deduct	*-28.84*	
26 51 19 00-0528	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	201.52	56.27
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 250, Deduct	*-12.21*	
		For >250 To 500, Deduct	*-20.15*	
		For >500, Deduct	*-28.10*	
26 51 19 00-0529	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	222.31	56.27
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 250, Deduct	*-13.25*	
		For >250 To 500, Deduct	*-22.23*	
		For >500, Deduct	*-31.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0530	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	215.54	56.27
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 250, Deduct	*-12.91*	
		For >250 To 500, Deduct	*-21.55*	
		For >500, Deduct	*-30.20*	
26 51 19 00-0531	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	215.59	56.27
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 250, Deduct	*-12.91*	
		For >250 To 500, Deduct	*-21.56*	
		For >500, Deduct	*-30.21*	
26 51 19 00-0532	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	180.84	56.27
		For >50 To 100, Deduct	*-6.65*	
		For >100 To 250, Deduct	*-11.17*	
		For >250 To 500, Deduct	*-18.08*	
		For >500, Deduct	*-24.99*	
26 51 19 00-0533	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	194.48	56.27
		For >50 To 100, Deduct	*-6.99*	
		For >100 To 250, Deduct	*-11.86*	
		For >250 To 500, Deduct	*-19.45*	
		For >500, Deduct	*-27.04*	
26 51 19 00-0534	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	191.15	56.27
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.69*	
		For >250 To 500, Deduct	*-19.12*	
		For >500, Deduct	*-26.54*	
26 51 19 00-0535	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	191.09	56.27
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.69*	
		For >250 To 500, Deduct	*-19.11*	
		For >500, Deduct	*-26.53*	
26 51 19 00-0536	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	206.48	56.27
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-12.46*	
		For >250 To 500, Deduct	*-20.65*	
		For >500, Deduct	*-28.84*	
26 51 19 00-0537	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	201.52	56.27
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 250, Deduct	*-12.21*	
		For >250 To 500, Deduct	*-20.15*	
		For >500, Deduct	*-28.10*	
26 51 19 00-0538	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	222.31	56.27
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 250, Deduct	*-13.25*	
		For >250 To 500, Deduct	*-22.23*	
		For >500, Deduct	*-31.21*	
26 51 19 00-0539	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	215.54	56.27
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 250, Deduct	*-12.91*	
		For >250 To 500, Deduct	*-21.55*	
		For >500, Deduct	*-30.20*	
26 51 19 00-0540	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	215.59	56.27
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 250, Deduct	*-12.91*	
		For >250 To 500, Deduct	*-21.56*	
		For >500, Deduct	*-30.21*	

26 51 19 00-0541 Ceiling Mounted, LED Mushroom Fixtures (Mobern) *(26 51 19 00-0467)*

26 51 19 00-0542	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	197.72	52.12
		For >50 To 100, Deduct	*-6.90*	
		For >100 To 250, Deduct	*-11.84*	
		For >250 To 500, Deduct	*-19.77*	
		For >500, Deduct	*-27.70*	

26 51 19 00-0543 Ceiling Mounted, LED Fixtures (Sylvania) *(26 51 19 00-0467)*

26 51 19 00-0544	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	729.61	56.27
		For >50 To 100, Deduct	*-20.37*	
		For >100 To 250, Deduct	*-38.61*	
		For >250 To 500, Deduct	*-72.96*	
		For >500, Deduct	*-107.31*	
26 51 19 00-0545	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	281.95	47.38
		For >50 To 100, Deduct	*-8.83*	
		For >100 To 250, Deduct	*-15.87*	
		For >250 To 500, Deduct	*-28.20*	
		For >500, Deduct	*-40.52*	
26 51 19 00-0546	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	350.82	55.20
		For >50 To 100, Deduct	*-10.84*	
		For >100 To 250, Deduct	*-19.61*	
		For >250 To 500, Deduct	*-35.08*	
		For >500, Deduct	*-50.55*	
26 51 19 00-0547	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	354.91	55.20
		For >50 To 100, Deduct	*-10.95*	
		For >100 To 250, Deduct	*-19.82*	
		For >250 To 500, Deduct	*-35.49*	
		For >500, Deduct	*-51.16*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0548		Refrigeration/Display LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0549		Refrigeration/Display LED Fixtures (Lithonia) *(26 51 19 00-0548)*		
		Note: Fixtures exclude driver.		
26 51 19 00-0550	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	292.53	55.20
		For >50 To 100, Deduct	*-9.39*	
		For >100 To 250, Deduct	*-16.70*	
		For >250 To 500, Deduct	*-29.25*	
		For >500, Deduct	*-41.81*	
26 51 19 00-0551	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	384.41	97.73
		For >50 To 100, Deduct	*-13.31*	
		For >100 To 250, Deduct	*-22.92*	
		For >250 To 500, Deduct	*-38.44*	
		For >500, Deduct	*-53.96*	
26 51 19 00-0552	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	350.94	78.19
		For >50 To 100, Deduct	*-11.74*	
		For >100 To 250, Deduct	*-20.51*	
		For >250 To 500, Deduct	*-35.09*	
		For >500, Deduct	*-49.68*	
26 51 19 00-0553		Pendant Mount, LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0554		Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) *(26 51 19 00-0553)*		
26 51 19 00-0555	EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,682.04	120.83
		For >50 To 100, Deduct	*-72.09*	
		For >100 To 250, Deduct	*-139.14*	
		For >250 To 500, Deduct	*-268.20*	
		For >500, Deduct	*-397.27*	
26 51 19 00-0556	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	4,050.11	127.93
		For >50 To 100, Deduct	*-106.58*	
		For >100 To 250, Deduct	*-207.84*	
		For >250 To 500, Deduct	*-405.01*	
		For >500, Deduct	*-602.19*	
26 51 19 00-0557	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	5,172.15	135.04
		For >50 To 100, Deduct	*-134.93*	
		For >100 To 250, Deduct	*-264.23*	
		For >250 To 500, Deduct	*-517.22*	
		For >500, Deduct	*-770.20*	
26 51 19 00-0558	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,540.23	142.16
		For >50 To 100, Deduct	*-169.43*	
		For >100 To 250, Deduct	*-332.93*	
		For >250 To 500, Deduct	*-654.02*	
		For >500, Deduct	*-975.11*	
26 51 19 00-0559	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,844.70	120.83
		For >50 To 100, Deduct	*-76.15*	
		For >100 To 250, Deduct	*-147.27*	
		For >250 To 500, Deduct	*-284.47*	
		For >500, Deduct	*-421.67*	
26 51 19 00-0560	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,265.65	127.93
		For >50 To 100, Deduct	*-111.97*	
		For >100 To 250, Deduct	*-218.61*	
		For >250 To 500, Deduct	*-426.57*	
		For >500, Deduct	*-634.52*	
26 51 19 00-0561	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,389.72	135.04
		For >50 To 100, Deduct	*-140.37*	
		For >100 To 250, Deduct	*-275.11*	
		For >250 To 500, Deduct	*-538.97*	
		For >500, Deduct	*-802.83*	
26 51 19 00-0562	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,784.23	142.16
		For >50 To 100, Deduct	*-175.53*	
		For >100 To 250, Deduct	*-345.13*	
		For >250 To 500, Deduct	*-678.42*	
		For >500, Deduct	*-1,011.71*	
26 51 19 00-0563		Pendant Mount, LED Commercial Fixtures (DMF) *(26 51 19 00-0553)*		
26 51 19 00-0564	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	1,039.56	71.08
		For >50 To 100, Deduct	*-28.95*	
		For >100 To 250, Deduct	*-54.94*	
		For >250 To 500, Deduct	*-103.96*	
		For >500, Deduct	*-152.97*	
26 51 19 00-0565		LED Track Lighting *(26 51 19 00-0001)*		
26 51 19 00-0566		Track Lighting Tracks *(26 51 19 00-0565)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0567	LF	1 Circuit Track Lighting Track	24.81	8.56
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-3.43*	
26 51 19 00-0568	LF	2 Circuit Track Lighting Track	31.87	8.56
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-3.19*	
		For >500, Deduct	*-4.46*	
26 51 19 00-0569	LF	3 Circuit Track Lighting Track	37.92	8.56
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.79*	
		For >500, Deduct	*-5.33*	
26 51 19 00-0570	LF	4 Circuit Track Lighting Track	43.99	10.37
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-4.40*	
		For >500, Deduct	*-6.21*	

26 51 19 00-0571 LED Track Lighting Fixtures *(26 51 19 00-0565)*

26 51 19 00-0572	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	205.68	21.65
		For >50 To 100, Deduct	*-5.95*	
		For >100 To 250, Deduct	*-11.09*	
		For >250 To 500, Deduct	*-20.57*	
		For >500, Deduct	*-30.04*	
26 51 19 00-0573	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	356.56	21.65
		For >50 To 100, Deduct	*-9.72*	
		For >100 To 250, Deduct	*-18.64*	
		For >250 To 500, Deduct	*-35.66*	
		For >500, Deduct	*-52.67*	
26 51 19 00-0574	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	211.41	21.65
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-11.38*	
		For >250 To 500, Deduct	*-21.14*	
		For >500, Deduct	*-30.90*	

26 51 19 00-0575 Track Lighting Accessories *(26 51 19 00-0565)*

26 51 19 00-0576 Pendant Mounting *(26 51 19 00-0575)*

26 51 19 00-0577	EA	Track Lighting Pendant Mounting, Up to 12"	28.36	
		For >50 To 100, Deduct	*-1.20*	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-3.77*	
26 51 19 00-0578	EA	Track Lighting Pendant Mounting, >12" To 24"	36.01	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-3.60*	
		For >500, Deduct	*-4.85*	
26 51 19 00-0579	EA	Track Lighting Pendant Mounting, >24" To 36"	43.75	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.38*	
		For >500, Deduct	*-5.91*	

26 51 23 HID Interior Lighting *(26 51)*

26 51 23 00-0001 Large Interior Area Fixtures *(26 51 23)*

26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.

26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	495.96	138.22
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	516.67	146.77
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	541.52	167.52

26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	504.95	138.22
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	520.48	146.77
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	554.45	167.52

26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.

26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	501.34	126.28
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	515.09	134.10
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	545.63	153.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0016		**Metal Halide, Low Bay Fixtures** *(26 51 23 00-0011)*		
26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	495.46	126.28
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	508.40	134.10
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	549.89	153.05
26 51 23 00-0020		**High Bay Fixtures, Large Interior Area Fixtures** *(26 51 23 00-0001)*		
		Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 23 00-0021		**High Pressure Sodium, High Bay Fixtures** *(26 51 23 00-0020)*		
		Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0022	EA	250 Watt High Pressure Sodium, High Bay Fixture	460.52	134.10
26 51 23 00-0023	EA	400 Watt High Pressure Sodium, High Bay Fixture	496.81	153.05
26 51 23 00-0024	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	728.14	160.99
26 51 23 00-0025		**Metal Halide, High Bay Fixtures** *(26 51 23 00-0020)*		
		Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026	EA	250 Watt Metal Halide, High Bay Fixture	428.20	134.10
26 51 23 00-0027	EA	400 Watt Metal Halide, High Bay Fixture	469.47	153.05
26 51 23 00-0028	EA	1,000 Watt Metal Halide, High Bay Fixture	616.03	160.99
26 51 23 00-0029		**Induction, High Bay Fixtures** *(26 51 23 00-0020)*		
26 51 23 00-0030		**Induction, High Bay Fixtures (Everlast®)** *(26 51 23 00-0029)*		
		Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	502.50	117.28
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0032	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	538.26	121.19
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0033	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	548.30	125.10
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0034	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	596.39	129.01
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0035	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	611.57	132.92
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0036	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	538.50	117.28
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0037	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	574.27	121.19
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0038	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	584.30	125.10
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0039	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	632.40	129.01
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0040	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	647.58	132.92
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0041		**Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0001)*		
		Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042		**High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0041)*		
26 51 23 00-0043	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	391.78	89.86
26 51 23 00-0044	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	697.47	89.86
26 51 23 00-0045	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	801.47	89.86
26 51 23 00-0046	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,071.95	89.86
26 51 23 00-0047		**Metal Halide, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0041)*		
26 51 23 00-0048	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	325.06	89.86
26 51 23 00-0049	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	342.25	99.71
26 51 23 00-0050	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	364.15	108.00
26 51 23 00-0051	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	408.96	128.62
26 51 23 00-0052		**High Pressure Sodium, Recessed Fixture Housings** *(26 51 23)*		
26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	170.96	37.34
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	178.65	37.34
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	187.64	38.90
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	194.43	40.58
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	201.15	42.27
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	207.09	44.86
26 51 23 00-0059		**Metal Halide Track Lighting Fixtures** *(26 51 23)*		
26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture	111.28	21.65
26 51 23 00-0061		**Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 23)*		
26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	179.26	51.87
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	184.46	51.87
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	195.00	51.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	210.85	51.87
26 51 23 00-0066		**High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 23)*		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	166.91	51.87
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	173.36	51.87
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	198.28	51.87
26 51 33		**Interior Lighting Accessories** *(26 51)*		
26 51 33 00-0001		**Accessories And Modifiers For Fixtures** *(26 51 33)*		
26 51 33 00-0002		**Lens Modifications** *(26 51 33 00-0001)*		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	38.81	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	47.94	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	50.23	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	54.79	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	66.21	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	15.98	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	22.83	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	25.11	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	29.68	
26 51 33 00-0012		**Pendant Mounting Modifications** *(26 51 33 00-0001)* Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	17.35	
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	20.09	
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	25.71	
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	30.36	
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	38.35	
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	52.05	
26 51 33 00-0019		**Fluorescent Light Accessories** *(26 51 33 00-0001)*		
26 51 33 00-0020	EA	Blank Metal Light Box Plate	31.61	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor	175.77	
26 51 33 00-0022		**Wire Guards** *(26 51 33 00-0001)*		
26 51 33 00-0023	EA	Wire Guard for 6" x 2' Fixture	74.02	6.49
26 51 33 00-0024	EA	Wire Guard for 6" x 4' Fixture	103.77	10.39
26 51 33 00-0025	EA	Wire Guard for 1" x 2' Fixture	82.64	7.15
26 51 33 00-0026	EA	Wire Guard for 1" x 4' Fixture	117.29	11.04
26 51 33 00-0027	EA	Wire Guard for 2" x 2' Fixture	101.04	7.79
26 51 33 00-0028	EA	Wire Guard for 2" x 4' Fixture	138.11	11.68
26 51 33 00-0029		**Lighting Accessories** *(26 51 33)*		
26 51 33 00-0030		**Modular Flexible Wiring Systems** *(26 51 33 00-0029)*		
26 51 33 00-0031	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	106.75	7.00
26 51 33 00-0032	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	126.39	7.00
26 51 33 00-0033	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	152.94	7.00
26 51 33 00-0034	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	126.39	7.00
26 51 33 00-0035	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	105.02	7.00
26 51 33 00-0036	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	158.49	7.00
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	85.89	7.00
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	97.71	7.00
26 51 33 00-0039	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	127.64	7.00
26 51 33 00-0040	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	127.64	7.00
26 51 33 00-0041	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	129.87	7.00
26 51 33 00-0042	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	129.05	7.00
26 51 33 00-0043	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	129.05	7.00
26 51 33 00-0044	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	148.95	7.00
26 51 33 00-0045	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	66.15	7.00
26 51 33 00-0046	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	61.50	7.00
26 51 33 00-0047	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	63.12	7.00
26 51 33 00-0048	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	80.34	7.00
26 51 33 00-0049	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	106.75	7.00
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	109.55	7.00
26 51 33 00-0051	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	84.62	7.00
26 51 33 00-0052	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	61.50	7.00
26 51 33 00-0053	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	58.34	

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CSI	UOM	DESCRIPTION	MINOR UNIT COST	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0054		Additional Lighting Wire Whips *(26 51 33)*			
26 51 33 00-0055	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		1.90	
26 51 33 00-0056		Removal And Reinstallation Of Light Fixtures *(26 51 33)* Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.			
26 51 33 00-0057	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture		138.01	
26 51 33 00-0058	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture		157.72	

26 52 Safety Lighting *(26 50)*

26 52 13 Emergency and Exit Lighting *(26 52)*

26 52 13 13 Emergency Lighting *(26 52 13)*

26 52 13 13-0001		Commercial Emergency Lights *(26 52 13 13)*			
26 52 13 13-0002		Polycarbonate Housing, Commercial Emergency Lights *(26 52 13 13-0001)* Note: Includes lead-calcium batteries and two adjustable lamp heads.			
26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)		256.35	32.42
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)		175.85	32.42
		For Halogen Lamps, Add	*27.55*		
		For Self-Diagnostics, Add	*87.50*		
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)		281.20	32.42
		For Halogen Lamps, Add	*27.55*		
		For Self-Diagnostics, Add	*87.50*		
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)		328.89	32.42
		For Halogen Lamps, Add	*27.55*		
		For Self-Diagnostics, Add	*87.50*		
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)		492.78	32.42
		For Halogen Lamps, Add	*27.55*		
		For Self-Diagnostics, Add	*87.50*		
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)		559.31	32.42
		For Halogen Lamps, Add	*27.55*		
		For Self-Diagnostics, Add	*87.50*		
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)		818.51	32.42
		For Halogen Lamps, Add	*27.55*		
		For Self-Diagnostics, Add	*87.50*		
26 52 13 13-0010		Remote Heads For Commercial Emergency Lights *(26 52 13 13-0001)* Note: For use with fixtures that have remote capability.			
26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)		173.84	19.45
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)		175.04	19.45
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)		179.06	19.45
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)		178.41	19.45
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)		153.71	19.45
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)		104.65	19.45
26 52 13 13-0017		Industrial Emergency Lights *(26 52 13 13)*			
26 52 13 13-0018		Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0017)*			
26 52 13 13-0019		Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)* Note: Includes lead-calcium batteries and two adjustable lamp heads.			
26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)		456.58	32.42
		For Wireguard, Add	*235.71*		
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)		382.15	32.42
		For Wireguard, Add	*235.71*		
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)		599.69	32.42
		For Wireguard, Add	*235.71*		
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)		637.23	32.42
		For Wireguard, Add	*235.71*		
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)		912.56	32.42
		For Wireguard, Add	*251.06*		
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)		1,439.26	32.42
		For Wireguard, Add	*251.06*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0026		Remote Heads For Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*		
		Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	132.92	19.45
		For Wireguard, Add	*190.22*	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	137.60	19.45
		For Wireguard, Add	*190.22*	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	133.58	19.45
		For Wireguard, Add	*190.22*	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	134.34	19.45
		For Wireguard, Add	*190.22*	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	137.60	19.45
		For Wireguard, Add	*190.22*	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	161.33	19.45
		For Wireguard, Add	*190.22*	
26 52 13 13-0033		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0017)*		
26 52 13 13-0034		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*		
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	450.60	32.42
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	490.32	32.42
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	479.44	32.42
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	507.19	32.42
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	858.69	32.42
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	673.14	32.42
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	754.76	32.42
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	796.11	32.42
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0043		Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*		
		Note: For use with fixtures that have remote capability.		
26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	114.97	19.45
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	124.44	19.45
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	115.08	19.45
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	122.04	19.45
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	104.15	19.45
26 52 13 13-0049		Outdoor Emergency Lights *(26 52 13 13)*		
26 52 13 13-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 13 13-0049)*		
		Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	712.86	32.42
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	851.61	32.42

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0053			**Recessed Emergency Lights** *(26 52 13 13)*		
	26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	777.48	32.42
			For Wire Guard, Add	*60.00*	
	26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2) Note: Includes lead-calcium batteries and two adjustable lamp heads.	608.73	64.82
			For Wireguard, Add	*251.06*	
	26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4) Note: Includes lead-calcium batteries and two adjustable lamp heads.	877.64	64.82
			For Wireguard, Add	*251.06*	
26 52 13 13-0057			**Square Wraparound Emergency Lights** *(26 52 13 13)*		
	26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	353.35	32.42
26 52 13 16			**Exit Signs** *(26 52 13)* Note: Excludes pendants.		
26 52 13 16-0001			**LED Exit Signs** *(26 52 13 16)* Note: Includes red LED lamps.		
	26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	204.83	47.39
			For Green LED Lamps, Add	*15.00*	
			For >50 To 100, Deduct	*-7.49*	
			For >100 To 250, Deduct	*-12.61*	
			For >250 To 500, Deduct	*-20.48*	
			For >500, Deduct	*-28.36*	
	26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	204.83	47.39
			For Green LED Lamps, Add	*15.00*	
			For >50 To 100, Deduct	*-7.49*	
			For >100 To 250, Deduct	*-12.61*	
			For >250 To 500, Deduct	*-20.48*	
			For >500, Deduct	*-28.36*	
	26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	287.14	47.39
			For Green LED Lamps, Add	*15.00*	
			For Self-Diagnostics, Add	*50.00*	
			For >50 To 100, Deduct	*-9.55*	
			For >100 To 250, Deduct	*-16.73*	
			For >250 To 500, Deduct	*-28.71*	
			For >500, Deduct	*-40.70*	
	26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	287.14	47.39
			For Green LED Lamps, Add	*15.00*	
			For Self-Diagnostics, Add	*50.00*	
			For >50 To 100, Deduct	*-9.55*	
			For >100 To 250, Deduct	*-16.73*	
			For >250 To 500, Deduct	*-28.71*	
			For >500, Deduct	*-40.70*	
	26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	316.56	47.39
			For Green LED Lamps, Add	*15.00*	
			For >50 To 100, Deduct	*-10.28*	
			For >100 To 250, Deduct	*-18.20*	
			For >250 To 500, Deduct	*-31.66*	
			For >500, Deduct	*-45.11*	
	26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	359.47	47.39
			For Green LED Lamps, Add	*15.00*	
			For >50 To 100, Deduct	*-11.36*	
			For >100 To 250, Deduct	*-20.34*	
			For >250 To 500, Deduct	*-35.95*	
			For >500, Deduct	*-51.55*	
	26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	298.62	47.39
			For Green LED Lamps, Add	*15.00*	
			For Self-Diagnostics, Add	*50.00*	
			For >50 To 100, Deduct	*-9.84*	
			For >100 To 250, Deduct	*-17.30*	
			For >250 To 500, Deduct	*-29.86*	
			For >500, Deduct	*-42.42*	
	26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	329.77	47.39
			For Green LED Lamps, Add	*15.00*	
			For Self-Diagnostics, Add	*50.00*	
			For >50 To 100, Deduct	*-10.61*	
			For >100 To 250, Deduct	*-18.86*	
			For >250 To 500, Deduct	*-32.98*	
			For >500, Deduct	*-47.10*	
	26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) Note: Includes two circular side mounted krypton emergency lights.	379.91	47.39
			For Green LED Lamps, Add	*15.00*	
			For >50 To 100, Deduct	*-12.74*	
			For >100 To 250, Deduct	*-22.24*	
			For >250 To 500, Deduct	*-37.99*	
			For >500, Deduct	*-53.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6)	324.72	47.39
		Note: Includes two circular side mounted LED emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.36*	
		For >100 To 250, Deduct	*-19.48*	
		For >250 To 500, Deduct	*-32.47*	
		For >500, Deduct	*-45.47*	
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	477.08	47.39
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-15.17*	
		For >100 To 250, Deduct	*-27.10*	
		For >250 To 500, Deduct	*-47.71*	
		For >500, Deduct	*-68.32*	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	499.69	47.39
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-15.73*	
		For >100 To 250, Deduct	*-28.23*	
		For >250 To 500, Deduct	*-49.97*	
		For >500, Deduct	*-71.71*	
26 52 13 16-0014	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	135.49	47.39
		For >50 To 100, Deduct	*-5.76*	
		For >100 To 250, Deduct	*-9.14*	
		For >250 To 500, Deduct	*-13.55*	
		For >500, Deduct	*-17.95*	
26 52 13 16-0015	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	136.02	47.39
		For >50 To 100, Deduct	*-5.77*	
		For >100 To 250, Deduct	*-9.17*	
		For >250 To 500, Deduct	*-13.60*	
		For >500, Deduct	*-18.03*	

26 52 13 16-0016 Edge-Lit LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0017	EA	Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6)	281.90	47.39
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.42*	
		For >100 To 250, Deduct	*-16.46*	
		For >250 To 500, Deduct	*-28.19*	
		For >500, Deduct	*-39.92*	
26 52 13 16-0018	EA	Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	284.87	47.39
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.49*	
		For >100 To 250, Deduct	*-16.61*	
		For >250 To 500, Deduct	*-28.49*	
		For >500, Deduct	*-40.36*	
26 52 13 16-0019	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	304.97	47.39
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.99*	
		For >100 To 250, Deduct	*-17.62*	
		For >250 To 500, Deduct	*-30.50*	
		For >500, Deduct	*-43.38*	
26 52 13 16-0020	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	365.05	47.39
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-11.50*	
		For >100 To 250, Deduct	*-20.62*	
		For >250 To 500, Deduct	*-36.51*	
		For >500, Deduct	*-52.39*	

26 52 13 16-0021 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0022	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	604.07	47.39
		For >50 To 100, Deduct	*-17.47*	
		For >100 To 250, Deduct	*-32.57*	
		For >250 To 500, Deduct	*-60.41*	
		For >500, Deduct	*-88.24*	
26 52 13 16-0023	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,112.82	47.39
		For >50 To 100, Deduct	*-30.19*	
		For >100 To 250, Deduct	*-58.01*	
		For >250 To 500, Deduct	*-111.28*	
		For >500, Deduct	*-164.55*	
26 52 13 16-0024	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	719.97	47.39
		For >50 To 100, Deduct	*-20.37*	
		For >100 To 250, Deduct	*-38.37*	
		For >250 To 500, Deduct	*-72.00*	
		For >500, Deduct	*-105.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0025	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,205.87	47.39
		For >50 To 100, Deduct	*-32.52*	
		For >100 To 250, Deduct	*-62.66*	
		For >250 To 500, Deduct	*-120.59*	
		For >500, Deduct	*-178.51*	
26 52 13 16-0026	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	661.75	47.39
		For >50 To 100, Deduct	*-18.91*	
		For >100 To 250, Deduct	*-35.46*	
		For >250 To 500, Deduct	*-66.18*	
		For >500, Deduct	*-96.89*	
26 52 13 16-0027	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,205.87	47.39
		For >50 To 100, Deduct	*-32.52*	
		For >100 To 250, Deduct	*-62.66*	
		For >250 To 500, Deduct	*-120.59*	
		For >500, Deduct	*-178.51*	
26 52 13 16-0028	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	812.47	47.39
		For >50 To 100, Deduct	*-22.68*	
		For >100 To 250, Deduct	*-42.99*	
		For >250 To 500, Deduct	*-81.25*	
		For >500, Deduct	*-119.50*	
26 52 13 16-0029	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,497.51	47.39
		For >50 To 100, Deduct	*-39.81*	
		For >100 To 250, Deduct	*-77.25*	
		For >250 To 500, Deduct	*-149.75*	
		For >500, Deduct	*-222.26*	

26 52 13 16-0030 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0031	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	569.79	47.39
		For >50 To 100, Deduct	*-16.61*	
		For >100 To 250, Deduct	*-30.86*	
		For >250 To 500, Deduct	*-56.98*	
		For >500, Deduct	*-83.10*	
26 52 13 16-0032	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	884.84	47.39
		For >50 To 100, Deduct	*-24.49*	
		For >100 To 250, Deduct	*-46.61*	
		For >250 To 500, Deduct	*-88.48*	
		For >500, Deduct	*-130.36*	
26 52 13 16-0033	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,078.00	47.39
		For >50 To 100, Deduct	*-29.32*	
		For >100 To 250, Deduct	*-56.27*	
		For >250 To 500, Deduct	*-107.80*	
		For >500, Deduct	*-159.33*	

26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture *(26 52 13 16)*

Note: Includes storage, cleaning and supply materials.

26 52 13 16-0035	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	97.24	
		For >50 To 100, Deduct	*-4.86*	
		For >100 To 250, Deduct	*-7.29*	
		For >250 To 500, Deduct	*-9.72*	
		For >500, Deduct	*-12.16*	

26 52 13 16-0036 Exit Sign Accessories *(26 52 13 16)*

26 52 13 16-0037	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)	134.77	12.99
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-7.39*	
		For >250 To 500, Deduct	*-13.48*	
		For >500, Deduct	*-19.57*	
26 52 13 16-0038	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	78.46	12.99
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-4.57*	
		For >250 To 500, Deduct	*-7.85*	
		For >500, Deduct	*-11.12*	
26 52 13 16-0039	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3)	125.74	10.39
		For >50 To 100, Deduct	*-3.66*	
		For >100 To 250, Deduct	*-6.81*	
		For >250 To 500, Deduct	*-12.57*	
		For >500, Deduct	*-18.34*	
26 52 13 16-0040	EA	Removal And Replacement Of Battery For Exit Signs Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity	134.64	
		For >50 To 100, Deduct	*-4.18*	
		For >100 To 250, Deduct	*-7.54*	
		For >250 To 500, Deduct	*-13.46*	
		For >500, Deduct	*-19.38*	

26 54 Classified Location Lighting *(26 50)*

26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0002		Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 54 19 00-0001)*		
		Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	2,791.79	106.61
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-74.24*	
		For >100 To 250, Deduct	*-144.03*	
		For >250 To 500, Deduct	*-279.18*	
		For >500, Deduct	*-414.33*	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	3,419.95	113.72
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-90.24*	
		For >100 To 250, Deduct	*-175.74*	
		For >250 To 500, Deduct	*-342.00*	
		For >500, Deduct	*-508.25*	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	3,863.25	120.83
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-101.62*	
		For >100 To 250, Deduct	*-198.20*	
		For >250 To 500, Deduct	*-386.33*	
		For >500, Deduct	*-574.45*	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	4,318.86	127.93
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-113.30*	
		For >100 To 250, Deduct	*-221.27*	
		For >250 To 500, Deduct	*-431.89*	
		For >500, Deduct	*-642.50*	
26 54 19 00-0007		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 54 19 00-0001)*		
		Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,649.09	99.51
		For 12/24 Volt DC Driver, Add	*30.41*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Temperature LEDs, Add	*80.00*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*41.40*	
		For Stanchion Mount, Add	*256.35*	
		For Ceiling Mount, Add	*102.79*	
		For Wall Mount, Add	*150.05*	
		For Teflon Coated Lens, Add	*131.89*	
		For Wall Mount With Junction Box, Add	*219.09*	
		For >50 To 100, Deduct	*-45.37*	
		For >100 To 250, Deduct	*-86.60*	
		For >250 To 500, Deduct	*-164.91*	
		For >500, Deduct	*-243.22*	
26 54 19 00-0009		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 54 19 00-0001)*		
		Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,623.91	99.51
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-69.74*	
		For >100 To 250, Deduct	*-135.34*	
		For >250 To 500, Deduct	*-262.39*	
		For >500, Deduct	*-389.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,906.50	106.61
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-77.10*	
		For >100 To 250, Deduct	*-149.77*	
		For >250 To 500, Deduct	*-290.65*	
		For >500, Deduct	*-431.53*	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	3,257.02	113.72
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-86.16*	
		For >100 To 250, Deduct	*-167.59*	
		For >250 To 500, Deduct	*-325.70*	
		For >500, Deduct	*-483.81*	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	4,244.75	120.83
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-111.15*	
		For >100 To 250, Deduct	*-217.27*	
		For >250 To 500, Deduct	*-424.48*	
		For >500, Deduct	*-631.68*	
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,870.64	127.93
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-127.10*	
		For >100 To 250, Deduct	*-248.86*	
		For >250 To 500, Deduct	*-487.06*	
		For >500, Deduct	*-725.27*	

26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*

26 54 19 00-0016 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)*

Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	6,149.45	106.61
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-158.18*	
		For >100 To 250, Deduct	*-311.91*	
		For >250 To 500, Deduct	*-614.95*	
		For >500, Deduct	*-917.98*	
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	7,493.75	113.72
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-192.08*	
		For >100 To 250, Deduct	*-379.43*	
		For >250 To 500, Deduct	*-749.38*	
		For >500, Deduct	*-1,119.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	8,717.07	120.83
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-222.96*	
		For >100 To 250, Deduct	*-440.89*	
		For >250 To 500, Deduct	*-871.71*	
		For >500, Deduct	*-1,302.53*	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	9,963.00	127.93
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-254.41*	
		For >100 To 250, Deduct	*-503.48*	
		For >250 To 500, Deduct	*-996.30*	
		For >500, Deduct	*-1,489.12*	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	11,557.71	123.20
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-294.57*	
		For >100 To 250, Deduct	*-583.51*	
		For >250 To 500, Deduct	*-1,155.77*	
		For >500, Deduct	*-1,728.03*	

26 55 Special Purpose Lighting *(26 50)*

26 55 13 Landscape Lighting *(26 55)*

26 55 13 00-0001 Bollards *(26 55 13)*

Note: Excludes concrete base.

26 55 13 00-0002 Aluminum Architectural Bollards *(26 55 13 00-0001)*

26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)*

26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,641.17	110.21
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,654.13	116.69
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,667.10	123.17
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.88	129.66
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,641.17	110.21
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,654.13	116.69
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,667.10	123.17
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.88	129.66
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,641.17	110.21
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,654.13	116.69
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,667.10	123.17
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.88	129.66
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,641.17	110.21
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,654.13	116.69
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,667.10	123.17
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.88	129.66

26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.17	110.21
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.13	116.69
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.10	123.17
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,479.30	129.66
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.17	110.21
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.13	116.69
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.10	123.17
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,479.30	129.66
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.17	110.21
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.13	116.69
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.10	123.17
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,479.30	129.66
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.17	110.21
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.13	116.69
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.10	123.17
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,479.30	129.66

26 55 13 00-0038 Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0039		**Square, Metal Halide, Aluminum Architectural Bollards** *(26 55 13 00-0038)*		
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,722.97	110.21
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,735.93	116.69
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,748.90	123.17
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,624.10	129.66
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,722.97	110.21
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,735.93	116.69
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,748.90	123.17
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,624.10	129.66
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,722.97	110.21
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,735.93	116.69
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,748.90	123.17
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,692.56	129.66
26 55 13 00-0052		**Round, Metal Halide, Aluminum Architectural Bollards** *(26 55 13 00-0038)*		
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,659.40	110.21
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,672.36	116.69
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,685.33	123.17
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,560.53	129.66
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,659.40	110.21
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,672.36	116.69
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,685.33	123.17
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,560.53	129.66
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,659.40	110.21
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,672.36	116.69
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,685.33	123.17
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,560.53	129.66
26 55 13 00-0065		**Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0066		**Square, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0065)*		
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,634.00	110.21
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,646.96	116.69
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,659.93	123.17
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.99	129.66
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,634.00	110.21
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,646.96	116.69
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,659.93	123.17
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.99	129.66
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,634.00	110.21
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,646.96	116.69
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,659.93	123.17
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.99	129.66
26 55 13 00-0079		**Round, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0065)*		
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,571.81	110.21
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,584.77	116.69
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.74	123.17
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,476.00	129.66
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,571.81	110.21
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,584.77	116.69
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.74	123.17
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,476.00	129.66
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,571.81	110.21
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,584.77	116.69
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.74	123.17
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,476.00	129.66
26 55 13 00-0092		**LED, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0093		**Square, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)*		
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,956.90	110.21
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,969.86	116.69
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,982.83	123.17
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,861.61	129.66
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,389.82	110.21
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,402.78	116.69
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,415.75	123.17
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,292.38	129.66
26 55 13 00-0102		**Round, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)*		
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,892.32	110.21
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,905.28	116.69
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,918.25	123.17
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,794.88	129.66
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,325.24	110.21
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,338.20	116.69
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,351.17	123.17
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,228.57	129.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0111		**Reinforced Concrete Bollards** *(26 55 13 00-0001)*		
26 55 13 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,623.00	324.14
26 55 13 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,852.92	432.14
26 55 13 00-0114		**Low Voltage** *(26 55 13)*		
26 55 13 00-0115	EA	Low Voltage Recessed Uplight	840.95	235.98
26 55 13 00-0116	EA	Low Voltage Walkway	592.01	129.66
26 55 13 00-0117	EA	Low Voltage Malibu - 5 Light Set	588.16	173.09
26 55 13 00-0118	EA	Low Voltage Mushroom 24" Pier	507.33	129.66
26 55 13 00-0119		**Recessed, Adjustable** *(26 55 13)*		
26 55 13 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	977.44	207.45
26 55 13 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	1,068.17	207.45
26 55 13 00-0122		**Recessed, Uplight** *(26 55 13)*		
26 55 13 00-0123	EA	50 Watt Incandescent Recessed Uplight	874.60	207.45
26 55 13 00-0124	EA	150 Watt Incandescent Recessed Uplight	892.75	207.45
26 55 13 00-0125	EA	300 Watt Incandescent Recessed Uplight	947.19	207.45
26 55 13 00-0126	EA	500 Watt Quartz Recessed Uplight	941.14	207.45
26 55 13 00-0127	EA	5 Watt, LED Recessed Uplight	1,205.18	207.45
26 55 13 00-0128	EA	15 Watt, LED Recessed Uplight	1,325.79	207.45
26 55 13 00-0129		**Recessed Wall Light** *(26 55 13)*		
26 55 13 00-0130	EA	100 Watt Incandescent Recessed Wall Light	452.89	129.66
26 55 13 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	434.74	129.66
26 55 13 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	703.09	173.09
26 55 13 00-0133		**Step Lights** *(26 55 13)*		
26 55 13 00-0134	EA	Incandescent Step Light	370.71	103.72
26 55 13 00-0135	EA	Fluorescent Step Light	431.26	103.72
26 55 13 00-0136	EA	5 Watt, LED Step Light	661.76	103.72
26 55 13 00-0137	EA	15 Watt, LED Step Light	790.41	103.72
26 55 13 00-0138		**Tree Lights, Surface Adjustable** *(26 55 13)*		
26 55 13 00-0139	EA	50 Watt Incandescent Tree Lights	781.73	173.09
26 55 13 00-0140	EA	100 Watt Incandescent Tree Lights	799.87	173.09
26 55 13 00-0141	EA	150 Watt Incandescent Tree Lights	1,002.54	259.32
26 55 16		**Walkway Lighting** *(26 55)*		
26 55 16 00-0001		**Incandescent Walkway** *(26 55 16)*		
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	421.83	120.58
26 55 16 00-0003		**Metal Halide Walkway** *(26 55 16)*		
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	649.45	189.56
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	686.76	196.43
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	738.70	203.95
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	791.59	220.42
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	707.18	203.95
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	710.09	189.56
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	724.61	196.43
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	569.58	135.10
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	601.11	135.10
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	632.63	135.10
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	714.15	152.08
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	542.26	121.36
26 55 16 00-0016		**High Pressure Sodium Walkway** *(26 55 16)*		
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	590.31	189.56
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	622.48	196.43
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	666.30	203.95
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	714.90	220.42
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	641.68	203.95
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	637.69	189.56
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	652.05	196.43
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	504.08	135.10
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	528.70	135.10
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	553.33	135.10
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	624.51	152.08
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	526.29	121.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0029		Walkway, Adjustable *(26 55 16)*		
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	610.59	173.09
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	626.14	173.09
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,068.14	259.32
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	508.16	129.66
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	528.90	129.66
26 55 16 00-0035		LED Walkway *(26 55 16)*		
26 55 16 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 55 16 00-0035)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	985.95	99.51
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,017.49	99.51
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,073.16	99.51
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,115.83	99.51
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,283.83	127.93
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0042		Wall Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492)	4,616.86	
		Note: Type Fixture 17 as Post		
26 55 16 00-0044		Pole Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	4,258.44	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)	4,180.98	
		Note: Washers and nuts included		
26 55 29		**Underwater Lighting** *(26 55)*		
26 55 29 00-0001		Underwater Lights *(26 55 29)*		
26 55 29 00-0002	EA	150 Watt, 120 Volt Underwater Lights	638.23	86.22
26 55 29 00-0003	EA	300 Watt, 120 Volt Underwater Lights	710.82	86.22
26 55 29 00-0004	EA	1,000 Watt, 120 Volt Underwater Lights	1,741.32	129.66
26 55 29 00-0005	EA	50 Watt, 12 Volt Underwater Lights	668.48	86.22
26 55 29 00-0006	EA	300 Watt, 12 Volt Underwater Lights	753.16	86.22
26 55 29 00-0007	SET	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,931.07	194.48
26 55 53		**Security Lighting** *(26 55)*		
26 55 53 11		**Security Flood Lighting** *(26 55 53)*		
26 55 53 11-0001		Flood Lights (General Electric Powerflood®) *(26 55 53 11)*		
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	394.41	107.94
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	397.98	107.94
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	403.93	107.94
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	536.03	107.94
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010		High Pressure Sodium P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	800.78	143.92
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	805.54	143.92
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	813.87	143.92
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	907.89	143.92
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	935.26	143.92
26 55 53 11-0016		Metal Halide P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	792.45	143.92
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	834.11	143.92
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	855.53	143.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0020		PF-154 (Medium Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		High Pressure Sodium PF-154 Series GE Flood Lights *(26 55 53 11-0020)*		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	816.52	161.91
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	822.47	161.91
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	831.99	161.91
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	924.82	161.91
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	951.00	161.91
26 55 53 11-0027		Metal Halide PF-154 GE Flood Lights *(26 55 53 11-0020)*		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	809.38	161.91
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	849.84	161.91
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	871.27	161.91
26 55 53 11-0031		PF-400 (Medium Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		High Pressure Sodium PF-400 Series GE Flood Lights *(26 55 53 11-0031)*		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,097.38	161.91
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,180.69	161.91
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,174.74	161.91
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,204.49	161.91
26 55 53 11-0037		Metal Halide PF-400 GE Flood Lights *(26 55 53 11-0031)*		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	1,128.33	161.91
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	1,153.32	161.91
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	1,179.50	161.91
26 55 53 11-0041		PF-1000 (Large Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		High Pressure Sodium PF-154 Series GE Flood Lights *(26 55 53 11-0041)*		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,489.20	179.91
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,489.20	179.91
26 55 53 11-0045		Metal Halide PF-1000 Series GE Flood Lights *(26 55 53 11-0041)*		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,420.18	179.91
26 55 53 11-0047		HLU/VLU (Medium Size) FRP Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		High Pressure Sodium HLU/VLU FRP Series GE Flood Lights *(26 55 53 11-0047)*		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,211.63	161.91
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,234.25	161.91
26 55 53 11-0051		Metal Halide HLU/VLU Series GE Flood Lights *(26 55 53 11-0047)*		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,224.73	161.91
26 55 53 11-0053		Accessories For Powerflood GE Flood Lights *(26 55 53 11-0001)*		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	208.82	35.98
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	120.75	35.98
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	175.50	35.98
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	133.85	35.98
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	337.28	107.94
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	146.94	35.98
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	248.02	107.94
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	258.73	107.94
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	110.04	35.98
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	106.47	35.98
26 55 53 11-0064		Flood Lights (Lithonia Contour Series) *(26 55 53 11)*		
26 55 53 11-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	737.42	143.92
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	806.14	143.92
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	873.43	143.92
26 55 53 11-0070		**Metal Halide TFM Series Lithonia Flood Lights** *(26 55 53 11-0065)*		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	957.40	143.92
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	940.86	143.92
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	914.20	143.92
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	912.22	143.92
26 55 53 11-0075		**Compact Fluorescent TFM Series Lithonia Flood Lights** *(26 55 53 11-0065)*		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	950.55	143.92
26 55 53 11-0077		**TFL (Medium Size) Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		**High Pressure Sodium TFL Series Lithonia Flood Lights** *(26 55 53 11-0077)*		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,131.47	161.91
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,154.39	161.91
26 55 53 11-0081		**Metal Halide TFL Series Lithonia Flood Lights** *(26 55 53 11-0077)*		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	1,079.96	161.91
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	1,079.96	161.91
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	1,115.90	161.91
26 55 53 11-0085		**TFR (Low Profile) Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		**High Pressure Sodium TFR Lithonia Flood Lights** *(26 55 53 11-0085)*		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,084.07	143.92
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,118.37	143.92
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,147.03	143.92
26 55 53 11-0090		**Metal Halide TFR Lithonia Flood Lights** *(26 55 53 11-0085)*		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	1,072.60	143.92
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	1,106.95	143.92
26 55 53 11-0093		**TFA (Large Size) Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
		Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		**High Pressure Sodium TFA Series Lithonia Flood Lights** *(26 55 53 11-0093)*		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	2,106.58	179.91
26 55 53 11-0096		**Metal Halide TFA Series Lithonia Flood Lights** *(26 55 53 11-0093)*		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	1,619.76	179.91
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,791.56	179.91
26 55 53 11-0099		**Accessories For Contour Series Lithonia Flood Lights** *(26 55 53 11-0064)*		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	179.95	35.98
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	348.59	35.98
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	148.13	35.98
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	199.66	35.98
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	444.94	107.94
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	353.75	107.94
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	353.75	107.94
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	390.12	107.94
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	172.12	35.98
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	137.18	35.98
26 55 53 11-0110		**Flood Lights (Eaton)** *(26 55 53 11)*		
26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,160.95	143.92
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	*61.61*	
		For >50 To 100, Deduct	*-36.22*	
		For >100 To 250, Deduct	*-65.24*	
		For >250 To 500, Deduct	*-116.10*	
		For >500, Deduct	*-166.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,444.20	158.72
		For >50 To 100, Deduct	*-44.04*	
		For >100 To 250, Deduct	*-80.15*	
		For >250 To 500, Deduct	*-144.42*	
		For >500, Deduct	*-208.69*	

26 55 53 11-0113 Flood Lights (Ruud) *(26 55 53 11)*

26 55 53 11-0114 NS (Micro) Series Ruud Flood Lights *(26 55 53 11-0113)*

Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.

26 55 53 11-0115 High Pressure Sodium NS Series Ruud Flood Lights *(26 55 53 11-0114)*

26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	484.85	107.94
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	484.85	107.94
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	484.85	107.94
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	484.85	107.94
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	484.85	107.94

26 55 53 11-0121 Metal Halide NS Series Ruud Flood Lights *(26 55 53 11-0114)*

26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	551.50	107.94
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	551.50	107.94
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	551.50	107.94

26 55 53 11-0125 Compact Fluorescent NS Series Ruud Flood Lights *(26 55 53 11-0114)*

26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	415.83	107.94
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	432.49	107.94
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	437.25	107.94
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	442.01	107.94

26 55 53 11-0130 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights *(26 55 53 11-0113)*

Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.

26 55 53 11-0131 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*

26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	747.50	161.91
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	790.34	161.91
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	814.14	161.91

26 55 53 11-0135 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*

26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	737.97	161.91
26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	742.74	161.91
26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	757.02	161.91

26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*

26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	721.31	161.91

26 55 53 11-0141 FS (Square) Series Ruud Flood Lights *(26 55 53 11-0113)*

Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.

26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights *(26 55 53 11-0141)*

26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	873.65	161.91
26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	878.41	161.91
26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,490.40	179.91

26 55 53 11-0146 Metal Halide FS Series Ruud Flood Lights *(26 55 53 11-0141)*

26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light	873.65	161.91
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light	878.41	161.91
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light	892.69	161.91
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	1,333.30	179.91

26 55 53 11-0151 MFS (Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)*

Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.

26 55 53 11-0152 High Pressure Sodium MFS Series Ruud Flood Lights *(26 55 53 11-0151)*

26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	685.34	143.92
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	735.33	143.92
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	735.33	143.92
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	735.33	143.92
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	735.33	143.92

26 55 53 11-0158 Metal Halide MFS Series Ruud Flood Lights *(26 55 53 11-0151)*

26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	751.99	143.92
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	751.99	143.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	751.99	143.92
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	725.81	143.92
26 55 53 11-0163		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	744.85	143.92
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	794.83	143.92
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	794.83	143.92
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	794.83	143.92
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	794.83	143.92
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	811.49	143.92
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	811.49	143.92
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	811.49	143.92
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	785.31	143.92
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	985.52	161.91
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	1,009.32	161.91
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	1,549.90	179.91
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	933.15	161.91
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	937.91	161.91
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	952.19	161.91
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,392.81	179.91
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light	1,273.80	179.91
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	1,521.34	179.91
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light	1,216.67	179.91
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	1,364.24	179.91
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,018.84	161.91
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,042.64	161.91
26 55 53 11-0196		Metal Halide PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	966.47	161.91
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	971.23	161.91
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	985.52	161.91
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	1,426.13	179.91
26 55 53 11-0201		Accessories For Ruud Flood Lighting *(26 55 53 11-0113)*		
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light	107.66	35.98
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light	171.93	35.98
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light	124.32	35.98
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light	148.13	35.98
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	296.82	107.94
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	93.38	35.98
26 55 53 11-0208		Flood Lights (Lumark) *(26 55 53 11)*		
26 55 53 11-0209		QZ Wedge Series Quartz Lumark Flood Lights *(26 55 53 11-0208)*		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	264.57	107.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0211		**LQL Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)* Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	334.78	107.94
26 55 53 11-0213		**Flood Lights (Kim Lighting)** *(26 55 53 11)*		
26 55 53 11-0214		**MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		**LED MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0214)*		
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light	559.57	45.45
		For >50 To 100, Deduct	*-16.26*	
		For >100 To 250, Deduct	*-30.25*	
		For >250 To 500, Deduct	*-55.96*	
		For >500, Deduct	*-81.66*	
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light	691.67	45.45
		For >50 To 100, Deduct	*-19.56*	
		For >100 To 250, Deduct	*-36.86*	
		For >250 To 500, Deduct	*-69.17*	
		For >500, Deduct	*-101.48*	
26 55 53 11-0218		**Scarab® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219		**LED Scarab® Series Kim Lighting Accent Flood Lights** *(26 55 53 11-0218)* Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light	853.97	45.45
		For >50 To 100, Deduct	*-23.62*	
		For >100 To 250, Deduct	*-44.97*	
		For >250 To 500, Deduct	*-85.40*	
		For >500, Deduct	*-125.82*	
26 55 53 11-0221		**Flood Lights (CREE® BetaLED®)** *(26 55 53 11)*		
26 55 53 11-0222		**Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)** *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,276.52	129.87
		For >50 To 100, Deduct	*-38.41*	
		For >100 To 250, Deduct	*-70.32*	
		For >250 To 500, Deduct	*-127.65*	
		For >500, Deduct	*-184.98*	
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,398.57	137.08
		For >50 To 100, Deduct	*-41.82*	
		For >100 To 250, Deduct	*-76.78*	
		For >250 To 500, Deduct	*-139.86*	
		For >500, Deduct	*-202.93*	
26 55 53 11-0225		**Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)** *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,108.09	122.65
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-33.83*	
		For >100 To 250, Deduct	*-61.54*	
		For >250 To 500, Deduct	*-110.81*	
		For >500, Deduct	*-160.08*	
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,395.27	129.87
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-41.38*	
		For >100 To 250, Deduct	*-76.26*	
		For >250 To 500, Deduct	*-139.53*	
		For >500, Deduct	*-202.80*	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,682.45	137.08
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-48.92*	
		For >100 To 250, Deduct	*-90.98*	
		For >250 To 500, Deduct	*-168.25*	
		For >500, Deduct	*-245.51*	
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,079.10	144.29
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-59.19*	
		For >100 To 250, Deduct	*-111.17*	
		For >250 To 500, Deduct	*-207.91*	
		For >500, Deduct	*-304.65*	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,366.29	151.51
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-66.73*	
		For >100 To 250, Deduct	*-125.89*	
		For >250 To 500, Deduct	*-236.63*	
		For >500, Deduct	*-347.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,653.46	158.72
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-74.27*	
		For >100 To 250, Deduct	*-140.61*	
		For >250 To 500, Deduct	*-265.35*	
		For >500, Deduct	*-390.08*	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,027.86	165.94
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-83.99*	
		For >100 To 250, Deduct	*-159.69*	
		For >250 To 500, Deduct	*-302.79*	
		For >500, Deduct	*-445.88*	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,315.04	173.15
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-91.53*	
		For >100 To 250, Deduct	*-174.41*	
		For >250 To 500, Deduct	*-331.50*	
		For >500, Deduct	*-488.60*	

26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,543.99	158.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*50.34*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For >50 To 100, Deduct	*-71.54*	
		For >100 To 250, Deduct	*-135.14*	
		For >250 To 500, Deduct	*-254.40*	
		For >500, Deduct	*-373.66*	
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	4,316.49	194.80
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Bird Spikes, Add	*74.64*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For 480 Volt, Add	*196.94*	
		For >50 To 100, Deduct	*-117.65*	
		For >100 To 250, Deduct	*-225.56*	
		For >250 To 500, Deduct	*-431.65*	
		For >500, Deduct	*-637.73*	

26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,489.31	158.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Front Facing Optics, Back Light Shield, Add	*38.84*	
		For Rotated Optics, Back Light Shield, Add	*38.84*	
		For Field Adjustable Output, Add	*32.83*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-45.17*	
		For >100 To 250, Deduct	*-82.40*	
		For >250 To 500, Deduct	*-148.93*	
		For >500, Deduct	*-215.46*	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,592.71	158.72
		Note: Type III, IV or V medium optics only.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Front Facing Optics, Back Light Shield, Add	*38.84*	
		For Rotated Optics, Back Light Shield, Add	*38.84*	
		For Field Adjustable Output, Add	*32.83*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Type II Medium Or Type V Short Optics, Add	*364.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-47.75*	
		For >100 To 250, Deduct	*-87.57*	
		For >250 To 500, Deduct	*-159.27*	
		For >500, Deduct	*-230.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	2,043.99	194.80
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Front Facing Optics, Back Light Shield, Add	*47.05*	
		For Rotated Optics, Back Light Shield, Add	*47.05*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-60.84*	
		For >100 To 250, Deduct	*-111.94*	
		For >250 To 500, Deduct	*-204.40*	
		For >500, Deduct	*-296.86*	

26 55 53 11-0241 Flood Lights (PlanLED) *(26 55 53 11)*

26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)*

26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	686.18	129.87
		For >50 To 100, Deduct	*-23.65*	
		For >100 To 250, Deduct	*-40.80*	
		For >250 To 500, Deduct	*-68.62*	
		For >500, Deduct	*-96.43*	
26 55 53 11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	820.90	137.08
		For >50 To 100, Deduct	*-27.38*	
		For >100 To 250, Deduct	*-47.90*	
		For >250 To 500, Deduct	*-82.09*	
		For >500, Deduct	*-116.28*	
26 55 53 11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	947.52	147.90
		For >50 To 100, Deduct	*-31.08*	
		For >100 To 250, Deduct	*-54.77*	
		For >250 To 500, Deduct	*-94.75*	
		For >500, Deduct	*-134.73*	

26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)*

26 55 53 11-0247	EA	21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,922.15	288.59
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-62.48*	
		For >100 To 250, Deduct	*-110.54*	
		For >250 To 500, Deduct	*-192.22*	
		For >500, Deduct	*-273.89*	
26 55 53 11-0248	EA	42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,982.81	288.59
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-89.00*	
		For >100 To 250, Deduct	*-163.57*	
		For >250 To 500, Deduct	*-298.28*	
		For >500, Deduct	*-432.99*	
26 55 53 11-0249	EA	84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,265.98	288.59
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-146.08*	
		For >100 To 250, Deduct	*-277.73*	
		For >250 To 500, Deduct	*-526.60*	
		For >500, Deduct	*-775.47*	

26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*

26 55 53 11-0251	EA	26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,702.63	187.59
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*142.15*	
		For >50 To 100, Deduct	*-51.94*	
		For >100 To 250, Deduct	*-94.51*	
		For >250 To 500, Deduct	*-170.26*	
		For >500, Deduct	*-246.02*	
26 55 53 11-0252	EA	39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,180.69	194.80
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*114.92*	
		For >50 To 100, Deduct	*-64.26*	
		For >100 To 250, Deduct	*-118.77*	
		For >250 To 500, Deduct	*-218.07*	
		For >500, Deduct	*-317.36*	
26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,783.42	202.01
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*93.24*	
		For >50 To 100, Deduct	*-79.69*	
		For >100 To 250, Deduct	*-149.27*	
		For >250 To 500, Deduct	*-278.34*	
		For >500, Deduct	*-407.41*	

26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0002		HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003		High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*		
26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,074.05	143.92
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,147.84	143.92
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,076.43	143.92
26 55 53 12-0007		Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*		
26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,139.96	143.92
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,105.00	143.92
26 55 53 12-0010		HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011		High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*		
26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,023.33	143.92
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,067.37	143.92
26 55 53 12-0014		Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*		
26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	904.32	143.92
26 55 53 12-0016		HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,447.55	179.91
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,468.97	179.91
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,440.41	179.91
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,468.97	179.91
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,073.58	161.91
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,156.89	161.91
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		**Security High Performance Flood Lights** *(26 55 53)* Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights *(26 55 53 13)*		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,500.15	215.89
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,695.33	215.89
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,704.85	215.89
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	3,002.38	215.89
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,878.61	215.89
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,746.62	215.89
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,621.54	215.89
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,745.31	215.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 61		**Theatrical Lighting** *(26 55)*		
26 55 61 00-0001		Stage Lighting *(26 55 61)*		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	672.12	157.55
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	672.12	157.55
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	672.12	157.55
26 55 61 00-0005	EA	14" Scoop Floodlight Altman #SC14	693.54	157.55
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak1 Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	548.65	157.55
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	894.33	157.55
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,334.20	157.55
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,810.95	157.55
26 55 61 00-0010	EA	300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	500.67	157.55
26 55 61 00-0011	EA	6' Length, Multi-Lamp Compartmented Striplighting Luminaire Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,779.61	157.55
26 55 61 00-0012	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	3,028.98	157.55
26 55 70		**Healthcare Lighting** *(26 55)*		
26 55 70 00-0001		Surgical Lighting Fixtures *(26 55 70)*		
26 55 70 00-0002	EA	Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen	6,115.03	
26 55 70 00-0003	EA	Install Owner Furnished Surgical Lights	760.48	
26 55 70 00-0004		Patient Care Fluorescent Fixtures *(26 55 70)*		
26 55 70 00-0005		Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe) *(26 55 70 00-0004)* Note: Includes ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.		
26 55 70 00-0006	EA	2' x 2', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE)	1,511.22	59.64
26 55 70 00-0007	EA	2' x 4', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE)	1,668.18	59.64
26 55 70 00-0008	EA	2' x 4', 2 Biax Ambient Lamps, 4 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR2)	1,356.69	59.64
26 55 70 00-0009		Reading, Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe) *(26 55 70 00-0004)* Note: Includes reading, ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.		
26 55 70 00-0010	EA	2' x 4', 1 Biax Reading Lamp, 2 Biax Ambient Lamps, 3 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR)	1,499.38	59.64
26 55 70 00-0011		Multi-Function Patient Care Fluorescent Fixtures (Day-Brite MPC) *(26 55 70 00-0004)* Note: Includes reading, ambient, exam and nurses light, steel housing with baked enamel finish, acrylic diffuser and electronic ballasts.		
26 55 70 00-0012	EA	2' x 4', 6 40W T5 Lamps, Multi-Function Patient Care Fluorescent Fixture (Day-Brite MPC)	2,275.09	59.64
26 55 70 00-0013		Exam And Surgical Lighting Fixtures *(26 55 70)*		
26 55 70 00-0014	EA	Dual Intensity, K-arm, Ceiling Mounted, Exam Light (Burton PHL-NXC)	1,055.40	64.82
26 55 70 00-0015	EA	Ceiling Mounted, Spot Exam Light (Sunnex SNX-HM2017-44EXT)	1,843.85	64.82
26 55 70 00-0016	EA	Ceiling Mounted, LED Exam Light (Bovie BOV-XLDP-SC)	4,086.90	64.82
26 55 70 00-0017	EA	Two LED Series, Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S2MA)	19,902.07	86.48
26 55 70 00-0018	EA	Two LED Series, Triple Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S23MA)	28,753.15	129.66
26 55 70 00-0019	EA	Double Ceiling Mounted, Dual Spot Exam Lights (Burton PHL-CS316DC)	6,650.39	86.48
26 55 70 00-0020	EA	Double Ceiling Mounted, Dual Y Shape Lamp Heads (Burton PHL-A50DC)	7,144.48	86.48
26 55 70 00-0021	EA	Double Ceiling Mounted, Halogen Bulbs (Burton PHL-OP216DC)	6,031.45	86.48
26 55 70 00-0022	EA	360 Degree Rotation, 120 Volt, Double Ceiling Mounted, Surgical Light (Burton PHL-A100DC)	8,430.32	129.66
26 55 70 00-0023	EA	Double Ceiling Mounted, Spot Examination Lights (Burton PHL-CS316DT)	9,276.60	86.48
26 55 70 00-0024	EA	Double Ceiling Mounted, Y Shaped Examination Light (Burton PHL-OP216DT)	8,750.50	86.48
26 55 70 00-0025	EA	Double Ceiling Mounted, Examination/Spot Combination Light (Burton PHL-OC516CC)	6,348.14	103.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 70 00-0026	EA	Double Ceiling Mounted, LED Procedure Light (Bovie BOV-XLDP-DC)	8,426.96	86.48
26 55 70 00-0027	EA	Double Ceiling Mounted, LED Examination Light (Burton PHL-ALEDDC)	7,690.80	129.66
26 55 70 00-0028	EA	Two Monitor Arm, Ceiling Mounted, Exam Light (Bovie BOV-XLDS-MA)	8,797.92	86.48
26 55 70 00-0029	EA	360 Degree Rotation, 120 Volt, Single Ceiling Mounted Surgical Light (Burton PHL-A100SC)	4,716.44	74.03
26 55 70 00-0030	EA	360 Degree Rotation, Autoclavable Handle, Ceiling Mounted Surgical Light (Burton PHL-APXSC8)	13,955.64	74.03
26 55 70 00-0031	EA	Ceiling Mounted Surgical Light (Burton PHL-A200SC)	6,915.80	74.03
26 55 70 00-0032	EA	MRI Compatible, Ceiling Mounted Surgical Light (Sunnex SNX-CS2050C-MRI)	6,870.68	74.03
26 55 70 00-0033	EA	Ceiling Mounted LED Surgical Light (Bovie BOV-XLD-SC)	5,294.88	74.03
26 55 70 00-0034	EA	Ceiling Mounted LED Surgical Light With Battery Pack (Bovie BOV-XLD-SCB)	7,894.87	74.03
26 55 70 00-0035	EA	Ceiling Mounted Two LED Series Surgical Light (Bovie BOV-XLDS-S2)	12,246.00	74.03
26 55 70 00-0036	EA	Dual Ceiling Mounted LED Series Surgical Light And HD Video Camera Arm (Bovie BOV-XLDS-S2VC)	22,296.71	74.03
26 55 70 00-0037	EA	Medical Illumination, Single Trolley Shuttle Track, Ceiling Mounted Surgical Light (Medical Illumination MII-64011)	3,152.42	74.03
26 55 70 00-0038	EA	Double Ceiling Mounted, Surgical Light (Burton PHL-A200DC)	12,416.05	129.66
26 55 70 00-0039	EA	Double Ceiling Mounted, Surgical Light (Burton PHL-APXDC8)	27,187.25	129.66
26 55 70 00-0040	EA	Double Ceiling Mounted, LED Surgical Light (Bovie BOV-XLD-DC)	10,109.98	129.66
26 55 70 00-0041	EA	Double Ceiling Mounted, Autoclavable Handle, LED Surgical Light (Sunnex SNX-CSLED-D)	7,320.11	129.66
26 55 70 00-0042	EA	Triple Ceiling Mounted, LED Series Surgical Light (Bovie BOV-XLDS-S23)	31,961.09	148.20
26 55 70 00-0043	EA	Triple Ceiling Mounted, LED Series Surgical Light And Monitor Arm (Bovie BOV-XLDS-S23MA)	28,827.19	148.20

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles and Standards *(26 56)*

26 56 13 00-0001 Poles And Standards *(26 56 13)*
See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.

26 56 13 00-0002 Roadway Light Poles *(26 56 13 00-0001)*
Note: Excludes lighting fixtures.

26 56 13 00-0003 Steel Roadway Light Poles *(26 56 13 00-0002)*
Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*

26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*

26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*

26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,757.00	431.76
		For Galvanized Finish, Add	*56.80*	
		For >10 To 20, Deduct	*-68.93*	
		For >20 To 40, Deduct	*-137.85*	
		For >40, Deduct	*-228.36*	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,761.68	431.76
		For Galvanized Finish, Add	*56.94*	
		For >10 To 20, Deduct	*-69.04*	
		For >20 To 40, Deduct	*-138.08*	
		For >40, Deduct	*-228.71*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,077.25	575.69
		For Galvanized Finish, Add	*57.78*	
		For >10 To 20, Deduct	*-76.93*	
		For >20 To 40, Deduct	*-153.86*	
		For >40, Deduct	*-259.58*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,133.52	575.69
		For Galvanized Finish, Add	*59.46*	
		For >10 To 20, Deduct	*-78.34*	
		For >20 To 40, Deduct	*-156.68*	
		For >40, Deduct	*-263.80*	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,189.80	575.69
		For Galvanized Finish, Add	*61.15*	
		For >10 To 20, Deduct	*-79.75*	
		For >20 To 40, Deduct	*-159.49*	
		For >40, Deduct	*-268.02*	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,345.57	647.65
		For Galvanized Finish, Add	*61.51*	
		For >10 To 20, Deduct	*-83.64*	
		For >20 To 40, Deduct	*-167.28*	
		For >40, Deduct	*-283.30*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,372.25	647.65
		For Galvanized Finish, Add	*62.31*	
		For >10 To 20, Deduct	*-84.31*	
		For >20 To 40, Deduct	*-168.61*	
		For >40, Deduct	*-285.30*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,377.33	647.65
		For Galvanized Finish, Add	*62.46*	
		For >10 To 20, Deduct	*-84.43*	
		For >20 To 40, Deduct	*-168.87*	
		For >40, Deduct	*-285.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,544.02	683.63
		For Galvanized Finish, Add	*65.30*	
		For >10 To 20, Deduct	*-88.60*	
		For >20 To 40, Deduct	*-177.20*	
		For >40, Deduct	*-299.98*	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,564.18	683.63
		For Galvanized Finish, Add	*65.91*	
		For >10 To 20, Deduct	*-89.10*	
		For >20 To 40, Deduct	*-178.21*	
		For >40, Deduct	*-301.50*	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,586.19	683.63
		For Galvanized Finish, Add	*66.57*	
		For >10 To 20, Deduct	*-89.65*	
		For >20 To 40, Deduct	*-179.31*	
		For >40, Deduct	*-303.15*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,052.38	719.61
		For Galvanized Finish, Add	*78.39*	
		For >10 To 20, Deduct	*-101.31*	
		For >20 To 40, Deduct	*-202.62*	
		For >40, Deduct	*-339.91*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,059.56	719.61
		For Galvanized Finish, Add	*78.61*	
		For >10 To 20, Deduct	*-101.49*	
		For >20 To 40, Deduct	*-202.98*	
		For >40, Deduct	*-340.45*	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,066.65	719.61
		For Galvanized Finish, Add	*78.82*	
		For >10 To 20, Deduct	*-101.67*	
		For >20 To 40, Deduct	*-203.33*	
		For >40, Deduct	*-340.98*	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,411.64	503.73
		For Galvanized Finish, Add	*72.13*	
		For >10 To 20, Deduct	*-85.29*	
		For >20 To 40, Deduct	*-170.58*	
		For >40, Deduct	*-281.06*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,477.69	521.72
		For Galvanized Finish, Add	*73.03*	
		For >10 To 20, Deduct	*-86.94*	
		For >20 To 40, Deduct	*-173.88*	
		For >40, Deduct	*-286.91*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,536.33	539.71
		For Galvanized Finish, Add	*73.71*	
		For >10 To 20, Deduct	*-88.41*	
		For >20 To 40, Deduct	*-176.82*	
		For >40, Deduct	*-292.21*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,504.55	647.65
		For Galvanized Finish, Add	*66.28*	
		For >10 To 20, Deduct	*-87.61*	
		For >20 To 40, Deduct	*-175.23*	
		For >40, Deduct	*-295.22*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,552.46	665.64
		For Galvanized Finish, Add	*66.64*	
		For >10 To 20, Deduct	*-88.81*	
		For >20 To 40, Deduct	*-177.62*	
		For >40, Deduct	*-299.72*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,593.28	683.63
		For Galvanized Finish, Add	*66.78*	
		For >10 To 20, Deduct	*-89.83*	
		For >20 To 40, Deduct	*-179.66*	
		For >40, Deduct	*-303.68*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,795.85	719.61
		For Galvanized Finish, Add	*70.70*	
		For >10 To 20, Deduct	*-94.90*	
		For >20 To 40, Deduct	*-189.79*	
		For >40, Deduct	*-320.67*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,839.08	737.60
		For Galvanized Finish, Add	*70.92*	
		For >10 To 20, Deduct	*-95.98*	
		For >20 To 40, Deduct	*-191.95*	
		For >40, Deduct	*-324.81*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,879.66	755.59
		For Galvanized Finish, Add	*71.05*	
		For >10 To 20, Deduct	*-96.99*	
		For >20 To 40, Deduct	*-193.98*	
		For >40, Deduct	*-328.75*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,022.20	755.59
		For Galvanized Finish, Add	*75.33*	
		For >10 To 20, Deduct	*-100.56*	
		For >20 To 40, Deduct	*-201.11*	
		For >40, Deduct	*-339.44*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,089.38	773.58
		For Galvanized Finish, Add	*76.27*	
		For >10 To 20, Deduct	*-102.23*	
		For >20 To 40, Deduct	*-204.47*	
		For >40, Deduct	*-345.38*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,154.94	791.57
		For Galvanized Finish, Add	*77.15*	
		For >10 To 20, Deduct	*-103.87*	
		For >20 To 40, Deduct	*-207.75*	
		For >40, Deduct	*-351.20*	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,502.82	791.57
		For Galvanized Finish, Add	*87.59*	
		For >10 To 20, Deduct	*-112.57*	
		For >20 To 40, Deduct	*-225.14*	
		For >40, Deduct	*-377.29*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,543.48	809.56
		For Galvanized Finish, Add	*87.73*	
		For >10 To 20, Deduct	*-113.59*	
		For >20 To 40, Deduct	*-227.17*	
		For >40, Deduct	*-381.24*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,584.30	827.56
		For Galvanized Finish, Add	*87.88*	
		For >10 To 20, Deduct	*-114.61*	
		For >20 To 40, Deduct	*-229.22*	
		For >40, Deduct	*-385.20*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,090.44	719.61
		For Galvanized Finish, Add	*79.54*	
		For >10 To 20, Deduct	*-102.26*	
		For >20 To 40, Deduct	*-204.52*	
		For >40, Deduct	*-342.76*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,167.15	755.59
		For Galvanized Finish, Add	*79.68*	
		For >10 To 20, Deduct	*-104.18*	
		For >20 To 40, Deduct	*-208.36*	
		For >40, Deduct	*-350.32*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,250.96	791.57
		For Galvanized Finish, Add	*80.03*	
		For >10 To 20, Deduct	*-106.27*	
		For >20 To 40, Deduct	*-212.55*	
		For >40, Deduct	*-358.40*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,353.19	791.57
		For Galvanized Finish, Add	*83.10*	
		For >10 To 20, Deduct	*-108.83*	
		For >20 To 40, Deduct	*-217.66*	
		For >40, Deduct	*-366.07*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,432.16	827.56
		For Galvanized Finish, Add	*83.31*	
		For >10 To 20, Deduct	*-110.80*	
		For >20 To 40, Deduct	*-221.61*	
		For >40, Deduct	*-373.79*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,508.88	863.54
		For Galvanized Finish, Add	*83.45*	
		For >10 To 20, Deduct	*-112.72*	
		For >20 To 40, Deduct	*-225.44*	
		For >40, Deduct	*-381.34*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,619.77	827.56
		For Galvanized Finish, Add	*88.94*	
		For >10 To 20, Deduct	*-115.49*	
		For >20 To 40, Deduct	*-230.99*	
		For >40, Deduct	*-387.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,696.49	863.54
		For Galvanized Finish, Add	*89.08*	
		For >10 To 20, Deduct	*-117.41*	
		For >20 To 40, Deduct	*-234.82*	
		For >40, Deduct	*-395.41*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,773.21	899.51
		For Galvanized Finish, Add	*89.23*	
		For >10 To 20, Deduct	*-119.33*	
		For >20 To 40, Deduct	*-238.66*	
		For >40, Deduct	*-402.97*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,953.26	863.54
		For Galvanized Finish, Add	*96.79*	
		For >10 To 20, Deduct	*-123.83*	
		For >20 To 40, Deduct	*-247.66*	
		For >40, Deduct	*-414.67*	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,029.75	899.51
		For Galvanized Finish, Add	*96.92*	
		For >10 To 20, Deduct	*-125.74*	
		For >20 To 40, Deduct	*-251.49*	
		For >40, Deduct	*-422.21*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,111.22	935.49
		For Galvanized Finish, Add	*97.21*	
		For >10 To 20, Deduct	*-127.78*	
		For >20 To 40, Deduct	*-255.56*	
		For >40, Deduct	*-430.12*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,543.21	791.57
		For Galvanized Finish, Add	*88.80*	
		For >10 To 20, Deduct	*-113.58*	
		For >20 To 40, Deduct	*-227.16*	
		For >40, Deduct	*-380.32*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,658.25	845.54
		For Galvanized Finish, Add	*89.02*	
		For >10 To 20, Deduct	*-116.46*	
		For >20 To 40, Deduct	*-232.91*	
		For >40, Deduct	*-391.65*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,770.87	899.51
		For Galvanized Finish, Add	*89.16*	
		For >10 To 20, Deduct	*-119.27*	
		For >20 To 40, Deduct	*-238.54*	
		For >40, Deduct	*-402.79*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,835.07	863.54
		For Galvanized Finish, Add	*93.24*	
		For >10 To 20, Deduct	*-120.88*	
		For >20 To 40, Deduct	*-241.75*	
		For >40, Deduct	*-405.81*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,948.02	917.50
		For Galvanized Finish, Add	*93.39*	
		For >10 To 20, Deduct	*-123.70*	
		For >20 To 40, Deduct	*-247.40*	
		For >40, Deduct	*-416.98*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,033.55	971.47
		For Galvanized Finish, Add	*92.72*	
		For >10 To 20, Deduct	*-125.84*	
		For >20 To 40, Deduct	*-251.68*	
		For >40, Deduct	*-426.09*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,177.04	899.51
		For Galvanized Finish, Add	*101.34*	
		For >10 To 20, Deduct	*-129.43*	
		For >20 To 40, Deduct	*-258.85*	
		For >40, Deduct	*-433.25*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,322.07	953.48
		For Galvanized Finish, Add	*102.45*	
		For >10 To 20, Deduct	*-133.05*	
		For >20 To 40, Deduct	*-266.10*	
		For >40, Deduct	*-446.83*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,404.93	1,007.45
		For Galvanized Finish, Add	*101.70*	
		For >10 To 20, Deduct	*-135.12*	
		For >20 To 40, Deduct	*-270.25*	
		For >40, Deduct	*-455.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,403.47	935.49
		For Galvanized Finish, Add	*105.97*	
		For >10 To 20, Deduct	*-135.09*	
		For >20 To 40, Deduct	*-270.17*	
		For >40, Deduct	*-452.04*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,516.09	989.47
		For Galvanized Finish, Add	*106.11*	
		For >10 To 20, Deduct	*-137.90*	
		For >20 To 40, Deduct	*-275.80*	
		For >40, Deduct	*-463.18*	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,631.11	1,043.43
		For Galvanized Finish, Add	*106.33*	
		For >10 To 20, Deduct	*-140.78*	
		For >20 To 40, Deduct	*-281.56*	
		For >40, Deduct	*-474.50*	

26 56 13 00-0063 Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*

26 56 13 00-0064 Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*

26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,251.39	575.69
		For Galvanized Finish, Add	*63.00*	
		For >10 To 20, Deduct	*-81.28*	
		For >20 To 40, Deduct	*-162.57*	
		For >40, Deduct	*-272.64*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,676.76	647.65
		For Galvanized Finish, Add	*71.44*	
		For >10 To 20, Deduct	*-91.92*	
		For >20 To 40, Deduct	*-183.84*	
		For >40, Deduct	*-308.14*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,787.90	683.63
		For Galvanized Finish, Add	*72.62*	
		For >10 To 20, Deduct	*-94.70*	
		For >20 To 40, Deduct	*-189.40*	
		For >40, Deduct	*-318.27*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,460.97	719.61
		For Galvanized Finish, Add	*90.65*	
		For >10 To 20, Deduct	*-111.52*	
		For >20 To 40, Deduct	*-223.05*	
		For >40, Deduct	*-370.55*	

26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*

26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*

26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,092.02	575.69
		For Galvanized Finish, Add	*88.22*	
		For >10 To 20, Deduct	*-102.30*	
		For >20 To 40, Deduct	*-204.60*	
		For >40, Deduct	*-335.69*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,128.06	575.69
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-103.20*	
		For >20 To 40, Deduct	*-206.40*	
		For >40, Deduct	*-338.39*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,144.51	575.69
		For Galvanized Finish, Add	*89.79*	
		For >10 To 20, Deduct	*-103.61*	
		For >20 To 40, Deduct	*-207.23*	
		For >40, Deduct	*-339.62*	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,271.98	647.65
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-106.80*	
		For >20 To 40, Deduct	*-213.60*	
		For >40, Deduct	*-352.78*	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,278.27	647.65
		For Galvanized Finish, Add	*89.49*	
		For >10 To 20, Deduct	*-106.96*	
		For >20 To 40, Deduct	*-213.91*	
		For >40, Deduct	*-353.25*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,343.25	647.65
		For Galvanized Finish, Add	*91.44*	
		For >10 To 20, Deduct	*-108.58*	
		For >20 To 40, Deduct	*-217.16*	
		For >40, Deduct	*-358.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,365.31	683.63
		For Galvanized Finish, Add	*89.94*	
		For >10 To 20, Deduct	*-109.13*	
		For >20 To 40, Deduct	*-218.27*	
		For >40, Deduct	*-361.58*	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,403.36	683.63
		For Galvanized Finish, Add	*91.08*	
		For >10 To 20, Deduct	*-110.08*	
		For >20 To 40, Deduct	*-220.17*	
		For >40, Deduct	*-364.43*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,602.90	683.63
		For Galvanized Finish, Add	*97.07*	
		For >10 To 20, Deduct	*-115.07*	
		For >20 To 40, Deduct	*-230.15*	
		For >40, Deduct	*-379.40*	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*

26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,338.61	719.61
		For Galvanized Finish, Add	*116.98*	
		For >10 To 20, Deduct	*-133.47*	
		For >20 To 40, Deduct	*-266.93*	
		For >40, Deduct	*-436.38*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,445.07	755.59
		For Galvanized Finish, Add	*118.02*	
		For >10 To 20, Deduct	*-136.13*	
		For >20 To 40, Deduct	*-272.25*	
		For >40, Deduct	*-446.16*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,652.47	791.57
		For Galvanized Finish, Add	*122.08*	
		For >10 To 20, Deduct	*-141.31*	
		For >20 To 40, Deduct	*-282.62*	
		For >40, Deduct	*-463.51*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,462.53	791.57
		For Galvanized Finish, Add	*116.38*	
		For >10 To 20, Deduct	*-136.56*	
		For >20 To 40, Deduct	*-273.13*	
		For >40, Deduct	*-449.27*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,712.74	827.56
		For Galvanized Finish, Add	*121.73*	
		For >10 To 20, Deduct	*-142.82*	
		For >20 To 40, Deduct	*-285.64*	
		For >40, Deduct	*-469.83*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,872.42	863.54
		For Galvanized Finish, Add	*124.36*	
		For >10 To 20, Deduct	*-146.81*	
		For >20 To 40, Deduct	*-293.62*	
		For >40, Deduct	*-483.61*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,634.06	827.56
		For Galvanized Finish, Add	*119.37*	
		For >10 To 20, Deduct	*-140.85*	
		For >20 To 40, Deduct	*-281.70*	
		For >40, Deduct	*-463.93*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,960.30	863.54
		For Galvanized Finish, Add	*127.00*	
		For >10 To 20, Deduct	*-149.01*	
		For >20 To 40, Deduct	*-298.02*	
		For >40, Deduct	*-490.20*	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,162.87	899.51
		For Galvanized Finish, Add	*130.92*	
		For >10 To 20, Deduct	*-154.07*	
		For >20 To 40, Deduct	*-308.14*	
		For >40, Deduct	*-507.19*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,583.93	431.76
		For >10 To 20, Deduct	*-64.60*	
		For >20 To 40, Deduct	*-129.20*	
		For >40, Deduct	*-215.38*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,604.75	431.76
		For >10 To 20, Deduct	*-65.12*	
		For >20 To 40, Deduct	*-130.24*	
		For >40, Deduct	*-216.94*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,186.12	575.69
		For >10 To 20, Deduct	*-79.65*	
		For >20 To 40, Deduct	*-159.31*	
		For >40, Deduct	*-267.74*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,225.47	575.69
		For >10 To 20, Deduct	*-80.64*	
		For >20 To 40, Deduct	*-161.27*	
		For >40, Deduct	*-270.69*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,261.66	575.69
		For >10 To 20, Deduct	*-81.54*	
		For >20 To 40, Deduct	*-163.08*	
		For >40, Deduct	*-273.41*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,652.00	647.65
		For >10 To 20, Deduct	*-91.30*	
		For >20 To 40, Deduct	*-182.60*	
		For >40, Deduct	*-306.28*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,685.20	647.65
		For >10 To 20, Deduct	*-92.13*	
		For >20 To 40, Deduct	*-184.26*	
		For >40, Deduct	*-308.77*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,722.33	647.65
		For >10 To 20, Deduct	*-93.06*	
		For >20 To 40, Deduct	*-186.12*	
		For >40, Deduct	*-311.56*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,249.22	683.63
		For >10 To 20, Deduct	*-106.23*	
		For >20 To 40, Deduct	*-212.46*	
		For >40, Deduct	*-352.87*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,282.34	683.63
		For >10 To 20, Deduct	*-107.06*	
		For >20 To 40, Deduct	*-214.12*	
		For >40, Deduct	*-355.36*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,310.08	683.63
		For >10 To 20, Deduct	*-107.75*	
		For >20 To 40, Deduct	*-215.50*	
		For >40, Deduct	*-357.44*	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,964.27	503.73
		For >10 To 20, Deduct	*-74.11*	
		For >20 To 40, Deduct	*-148.21*	
		For >40, Deduct	*-247.51*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,168.35	503.73
		For >10 To 20, Deduct	*-79.21*	
		For >20 To 40, Deduct	*-158.42*	
		For >40, Deduct	*-262.81*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,280.08	539.71
		For >10 To 20, Deduct	*-82.00*	
		For >20 To 40, Deduct	*-164.00*	
		For >40, Deduct	*-272.99*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,555.29	647.65
		For >10 To 20, Deduct	*-88.88*	
		For >20 To 40, Deduct	*-177.76*	
		For >40, Deduct	*-299.03*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,721.18	665.64
		For >10 To 20, Deduct	*-93.03*	
		For >20 To 40, Deduct	*-186.06*	
		For >40, Deduct	*-312.37*	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,957.32	683.63
		For >10 To 20, Deduct	*-98.93*	
		For >20 To 40, Deduct	*-197.87*	
		For >40, Deduct	*-330.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,092.69	719.61
		For >10 To 20, Deduct	*-102.32*	
		For >20 To 40, Deduct	*-204.63*	
		For >40, Deduct	*-342.93*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,249.19	737.60
		For >10 To 20, Deduct	*-106.23*	
		For >20 To 40, Deduct	*-212.46*	
		For >40, Deduct	*-355.57*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,438.64	755.59
		For >10 To 20, Deduct	*-110.97*	
		For >20 To 40, Deduct	*-221.93*	
		For >40, Deduct	*-370.68*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,619.16	755.59
		For >10 To 20, Deduct	*-115.48*	
		For >20 To 40, Deduct	*-230.96*	
		For >40, Deduct	*-384.22*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,030.87	773.58
		For >10 To 20, Deduct	*-125.77*	
		For >20 To 40, Deduct	*-251.54*	
		For >40, Deduct	*-415.99*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,508.55	791.57
		For >10 To 20, Deduct	*-137.71*	
		For >20 To 40, Deduct	*-275.43*	
		For >40, Deduct	*-452.72*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,436.72	575.69
		For >10 To 20, Deduct	*-85.92*	
		For >20 To 40, Deduct	*-171.84*	
		For >40, Deduct	*-286.54*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,673.76	611.67
		For >10 To 20, Deduct	*-91.84*	
		For >20 To 40, Deduct	*-183.69*	
		For >40, Deduct	*-306.12*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,186.67	719.61
		For >10 To 20, Deduct	*-104.67*	
		For >20 To 40, Deduct	*-209.33*	
		For >40, Deduct	*-349.98*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,367.79	755.59
		For >10 To 20, Deduct	*-109.19*	
		For >20 To 40, Deduct	*-218.39*	
		For >40, Deduct	*-365.36*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,574.36	791.57
		For >10 To 20, Deduct	*-114.36*	
		For >20 To 40, Deduct	*-228.72*	
		For >40, Deduct	*-382.66*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,740.29	827.56
		For >10 To 20, Deduct	*-118.51*	
		For >20 To 40, Deduct	*-237.01*	
		For >40, Deduct	*-396.90*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,935.75	827.56
		For >10 To 20, Deduct	*-123.39*	
		For >20 To 40, Deduct	*-246.79*	
		For >40, Deduct	*-411.56*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,354.59	863.54
		For >10 To 20, Deduct	*-133.86*	
		For >20 To 40, Deduct	*-267.73*	
		For >40, Deduct	*-444.77*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	11,793.47	899.51
		For >10 To 20, Deduct	*-294.84*	
		For >20 To 40, Deduct	*-589.67*	
		For >40, Deduct	*-929.49*	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,580.13	647.65
		For >10 To 20, Deduct	*-89.50*	
		For >20 To 40, Deduct	*-179.01*	
		For >40, Deduct	*-300.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,705.09	647.65
		For >10 To 20, Deduct	*-92.63*	
		For >20 To 40, Deduct	*-185.25*	
		For >40, Deduct	*-310.26*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,582.12	791.57
		For >10 To 20, Deduct	*-114.55*	
		For >20 To 40, Deduct	*-229.11*	
		For >40, Deduct	*-383.24*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,956.45	845.54
		For >10 To 20, Deduct	*-123.91*	
		For >20 To 40, Deduct	*-247.82*	
		For >40, Deduct	*-414.01*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,162.63	863.54
		For >10 To 20, Deduct	*-129.07*	
		For >20 To 40, Deduct	*-258.13*	
		For >40, Deduct	*-430.37*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,509.31	917.50
		For >10 To 20, Deduct	*-137.73*	
		For >20 To 40, Deduct	*-275.47*	
		For >40, Deduct	*-459.07*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,432.70	899.51
		For >10 To 20, Deduct	*-135.82*	
		For >20 To 40, Deduct	*-271.64*	
		For >40, Deduct	*-452.43*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,152.37	953.48
		For >10 To 20, Deduct	*-153.81*	
		For >20 To 40, Deduct	*-307.62*	
		For >40, Deduct	*-509.10*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,791.04	1,007.45
		For >10 To 20, Deduct	*-169.78*	
		For >20 To 40, Deduct	*-339.55*	
		For >40, Deduct	*-559.70*	

26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms *(26 56 13 00-0091)*

26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0138)*

26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,764.31	575.69
		For >10 To 20, Deduct	*-94.11*	
		For >20 To 40, Deduct	*-188.22*	
		For >40, Deduct	*-311.11*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,792.14	575.69
		For >10 To 20, Deduct	*-94.80*	
		For >20 To 40, Deduct	*-189.61*	
		For >40, Deduct	*-313.20*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,863.23	575.69
		For >10 To 20, Deduct	*-96.58*	
		For >20 To 40, Deduct	*-193.16*	
		For >40, Deduct	*-318.53*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,969.93	575.69
		For >10 To 20, Deduct	*-99.25*	
		For >20 To 40, Deduct	*-198.50*	
		For >40, Deduct	*-326.53*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,238.12	647.65
		For >10 To 20, Deduct	*-105.95*	
		For >20 To 40, Deduct	*-211.91*	
		For >40, Deduct	*-350.24*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,300.86	647.65
		For >10 To 20, Deduct	*-107.52*	
		For >20 To 40, Deduct	*-215.04*	
		For >40, Deduct	*-354.95*	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,367.77	647.65
		For >10 To 20, Deduct	*-109.19*	
		For >20 To 40, Deduct	*-218.39*	
		For >40, Deduct	*-359.97*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,771.41	647.65
		For >10 To 20, Deduct	*-119.29*	
		For >20 To 40, Deduct	*-238.57*	
		For >40, Deduct	*-390.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,597.13	683.63
		For >10 To 20, Deduct	*-114.93*	
		For >20 To 40, Deduct	*-229.86*	
		For >40, Deduct	*-378.97*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,115.05	683.63
		For >10 To 20, Deduct	*-127.88*	
		For >20 To 40, Deduct	*-255.75*	
		For >40, Deduct	*-417.81*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,165.50	683.63
		For >10 To 20, Deduct	*-129.14*	
		For >20 To 40, Deduct	*-258.28*	
		For >40, Deduct	*-421.59*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,485.74	683.63
		For >10 To 20, Deduct	*-137.14*	
		For >20 To 40, Deduct	*-274.29*	
		For >40, Deduct	*-445.61*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,777.82	683.63
		For >10 To 20, Deduct	*-144.45*	
		For >20 To 40, Deduct	*-288.89*	
		For >40, Deduct	*-467.52*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,874.79	719.61
		For >10 To 20, Deduct	*-121.87*	
		For >20 To 40, Deduct	*-243.74*	
		For >40, Deduct	*-401.59*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,017.85	755.59
		For >10 To 20, Deduct	*-125.45*	
		For >20 To 40, Deduct	*-250.89*	
		For >40, Deduct	*-414.12*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,135.56	791.57
		For >10 To 20, Deduct	*-128.39*	
		For >20 To 40, Deduct	*-256.78*	
		For >40, Deduct	*-424.75*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,257.44	791.57
		For >10 To 20, Deduct	*-131.44*	
		For >20 To 40, Deduct	*-262.87*	
		For >40, Deduct	*-433.89*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,700.01	827.56
		For >10 To 20, Deduct	*-142.50*	
		For >20 To 40, Deduct	*-285.00*	
		For >40, Deduct	*-468.88*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,503.19	863.54
		For >10 To 20, Deduct	*-162.58*	
		For >20 To 40, Deduct	*-325.16*	
		For >40, Deduct	*-530.92*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,286.47	827.56
		For >10 To 20, Deduct	*-157.16*	
		For >20 To 40, Deduct	*-314.32*	
		For >40, Deduct	*-512.86*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,418.01	863.54
		For >10 To 20, Deduct	*-160.45*	
		For >20 To 40, Deduct	*-320.90*	
		For >40, Deduct	*-524.53*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,740.41	899.51
		For >10 To 20, Deduct	*-193.51*	
		For >20 To 40, Deduct	*-387.02*	
		For >40, Deduct	*-625.51*	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*

26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,070.27	431.76
		For >10 To 20, Deduct	*-76.76*	
		For >20 To 40, Deduct	*-153.51*	
		For >40, Deduct	*-251.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,148.88	431.76
		For >10 To 20, Deduct	*-78.72*	
		For >20 To 40, Deduct	*-157.44*	
		For >40, Deduct	*-257.75*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,227.66	431.76
		For >10 To 20, Deduct	*-80.69*	
		For >20 To 40, Deduct	*-161.38*	
		For >40, Deduct	*-263.66*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,679.55	575.69
		For >10 To 20, Deduct	*-91.99*	
		For >20 To 40, Deduct	*-183.98*	
		For >40, Deduct	*-304.75*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,739.47	575.69
		For >10 To 20, Deduct	*-93.49*	
		For >20 To 40, Deduct	*-186.97*	
		For >40, Deduct	*-309.24*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,804.94	575.69
		For >10 To 20, Deduct	*-95.12*	
		For >20 To 40, Deduct	*-190.25*	
		For >40, Deduct	*-314.16*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,151.91	647.65
		For >10 To 20, Deduct	*-103.80*	
		For >20 To 40, Deduct	*-207.60*	
		For >40, Deduct	*-343.78*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,233.26	647.65
		For >10 To 20, Deduct	*-105.83*	
		For >20 To 40, Deduct	*-211.66*	
		For >40, Deduct	*-349.88*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,245.46	647.65
		For >10 To 20, Deduct	*-106.14*	
		For >20 To 40, Deduct	*-212.27*	
		For >40, Deduct	*-350.79*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,513.31	683.63
		For >10 To 20, Deduct	*-112.83*	
		For >20 To 40, Deduct	*-225.67*	
		For >40, Deduct	*-372.68*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,548.99	683.63
		For >10 To 20, Deduct	*-113.72*	
		For >20 To 40, Deduct	*-227.45*	
		For >40, Deduct	*-375.36*	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,632.63	683.63
		For >10 To 20, Deduct	*-115.82*	
		For >20 To 40, Deduct	*-231.63*	
		For >40, Deduct	*-381.63*	

26 56 13 00-0177 Area Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0178 Steel Area Light Poles *(26 56 13 00-0177)*

Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0179 Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*

26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,364.96	251.87
		For Galvanized Finish, Add	*25.84*	
		For >10 To 20, Deduct	*-47.04*	
		For >20 To 40, Deduct	*-85.47*	
		For >40, Deduct	*-179.56*	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,484.63	287.85
		For Galvanized Finish, Add	*27.27*	
		For >10 To 20, Deduct	*-50.75*	
		For >20 To 40, Deduct	*-92.41*	
		For >40, Deduct	*-193.91*	
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,659.18	323.82
		For Galvanized Finish, Add	*30.35*	
		For >10 To 20, Deduct	*-56.65*	
		For >20 To 40, Deduct	*-103.19*	
		For >40, Deduct	*-216.49*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,838.49	359.80
		For Galvanized Finish, Add	*33.57*	
		For >10 To 20, Deduct	*-62.75*	
		For >20 To 40, Deduct	*-114.30*	
		For >40, Deduct	*-239.79*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,958.17	395.78
		For Galvanized Finish, Add	*35.00*	
		For >10 To 20, Deduct	*-66.45*	
		For >20 To 40, Deduct	*-121.24*	
		For >40, Deduct	*-254.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,065.92	431.76
		For Galvanized Finish, Add	*36.07*	
		For >10 To 20, Deduct	*-69.68*	
		For >20 To 40, Deduct	*-127.34*	
		For >40, Deduct	*-266.71*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,426.99	251.87
		For Galvanized Finish, Add	*27.70*	
		For >10 To 20, Deduct	*-49.52*	
		For >20 To 40, Deduct	*-89.81*	
		For >40, Deduct	*-188.86*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,549.05	287.85
		For Galvanized Finish, Add	*29.20*	
		For >10 To 20, Deduct	*-53.33*	
		For >20 To 40, Deduct	*-96.92*	
		For >40, Deduct	*-203.57*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,788.01	323.82
		For Galvanized Finish, Add	*34.21*	
		For >10 To 20, Deduct	*-61.81*	
		For >20 To 40, Deduct	*-112.21*	
		For >40, Deduct	*-235.82*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,921.99	359.80
		For Galvanized Finish, Add	*36.07*	
		For >10 To 20, Deduct	*-66.09*	
		For >20 To 40, Deduct	*-120.15*	
		For >40, Deduct	*-252.32*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,048.82	395.78
		For Galvanized Finish, Add	*37.72*	
		For >10 To 20, Deduct	*-70.08*	
		For >20 To 40, Deduct	*-127.59*	
		For >40, Deduct	*-267.74*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,151.81	431.76
		For Galvanized Finish, Add	*38.65*	
		For >10 To 20, Deduct	*-73.12*	
		For >20 To 40, Deduct	*-133.36*	
		For >40, Deduct	*-279.59*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,527.92	575.69
		For Galvanized Finish, Add	*41.30*	
		For >10 To 20, Deduct	*-83.85*	
		For >20 To 40, Deduct	*-153.93*	
		For >40, Deduct	*-321.62*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,426.99	251.87
		For Galvanized Finish, Add	*27.70*	
		For >10 To 20, Deduct	*-49.52*	
		For >20 To 40, Deduct	*-89.81*	
		For >40, Deduct	*-188.86*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,556.20	287.85
		For Galvanized Finish, Add	*29.42*	
		For >10 To 20, Deduct	*-53.61*	
		For >20 To 40, Deduct	*-97.42*	
		For >40, Deduct	*-204.65*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,826.18	323.82
		For Galvanized Finish, Add	*35.36*	
		For >10 To 20, Deduct	*-63.33*	
		For >20 To 40, Deduct	*-114.88*	
		For >40, Deduct	*-241.54*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,929.15	359.80
		For Galvanized Finish, Add	*36.29*	
		For >10 To 20, Deduct	*-66.37*	
		For >20 To 40, Deduct	*-120.65*	
		For >40, Deduct	*-253.39*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,048.82	395.78
		For Galvanized Finish, Add	*37.72*	
		For >10 To 20, Deduct	*-70.08*	
		For >20 To 40, Deduct	*-127.59*	
		For >40, Deduct	*-267.74*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,151.81	431.76
		For Galvanized Finish, Add	*38.65*	
		For >10 To 20, Deduct	*-73.12*	
		For >20 To 40, Deduct	*-133.36*	
		For >40, Deduct	*-279.59*	
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,594.72	575.69
		For Galvanized Finish, Add	*43.30*	
		For >10 To 20, Deduct	*-86.52*	
		For >20 To 40, Deduct	*-158.60*	
		For >40, Deduct	*-331.64*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,862.69	647.65
		For Galvanized Finish, Add	*47.02*	
		For >10 To 20, Deduct	*-95.08*	
		For >20 To 40, Deduct	*-174.48*	
		For >40, Deduct	*-364.64*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,304.49	431.76
		For Galvanized Finish, Add	*43.23*	
		For >10 To 20, Deduct	*-79.23*	
		For >20 To 40, Deduct	*-144.04*	
		For >40, Deduct	*-302.50*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,625.73	575.69
		For Galvanized Finish, Add	*44.23*	
		For >10 To 20, Deduct	*-87.76*	
		For >20 To 40, Deduct	*-160.77*	
		For >40, Deduct	*-336.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,922.33	647.65
		For Galvanized Finish, Add	*48.81*	
		For >10 To 20, Deduct	*-97.46*	
		For >20 To 40, Deduct	*-178.66*	
		For >40, Deduct	*-373.58*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,843.65	431.76
		For Galvanized Finish, Add	*59.40*	
		For >10 To 20, Deduct	*-100.79*	
		For >20 To 40, Deduct	*-181.78*	
		For >40, Deduct	*-383.37*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,917.61	431.76
		For Galvanized Finish, Add	*61.62*	
		For >10 To 20, Deduct	*-103.75*	
		For >20 To 40, Deduct	*-186.96*	
		For >40, Deduct	*-394.46*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,367.68	575.69
		For Galvanized Finish, Add	*66.49*	
		For >10 To 20, Deduct	*-117.44*	
		For >20 To 40, Deduct	*-212.71*	
		For >40, Deduct	*-447.58*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,520.36	575.69
		For Galvanized Finish, Add	*71.07*	
		For >10 To 20, Deduct	*-123.54*	
		For >20 To 40, Deduct	*-223.40*	
		For >40, Deduct	*-470.49*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,750.16	647.65
		For Galvanized Finish, Add	*73.65*	
		For >10 To 20, Deduct	*-130.58*	
		For >20 To 40, Deduct	*-236.61*	
		For >40, Deduct	*-497.76*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,005.43	647.65
		For Galvanized Finish, Add	*81.30*	
		For >10 To 20, Deduct	*-140.79*	
		For >20 To 40, Deduct	*-254.47*	
		For >40, Deduct	*-536.05*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,129.88	683.63
		For Galvanized Finish, Add	*82.88*	
		For >10 To 20, Deduct	*-144.69*	
		For >20 To 40, Deduct	*-261.75*	
		For >40, Deduct	*-551.12*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,287.33	683.63
		For Galvanized Finish, Add	*87.60*	
		For >10 To 20, Deduct	*-150.98*	
		For >20 To 40, Deduct	*-272.77*	
		For >40, Deduct	*-574.74*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,664.27	683.63
		For Galvanized Finish, Add	*98.91*	
		For >10 To 20, Deduct	*-166.06*	
		For >20 To 40, Deduct	*-299.15*	
		For >40, Deduct	*-631.28*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,707.60	719.61
		For Galvanized Finish, Add	*98.05*	
		For >10 To 20, Deduct	*-166.72*	
		For >20 To 40, Deduct	*-300.75*	
		For >40, Deduct	*-634.18*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,774.40	719.61
		For Galvanized Finish, Add	*100.06*	
		For >10 To 20, Deduct	*-169.39*	
		For >20 To 40, Deduct	*-305.42*	
		For >40, Deduct	*-644.20*	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,492.05	935.49
		For Galvanized Finish, Add	*138.63*	
		For >10 To 20, Deduct	*-231.62*	
		For >20 To 40, Deduct	*-417.02*	
		For >40, Deduct	*-880.26*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,765.58	1,079.41
		For Galvanized Finish, Add	*138.20*	
		For >10 To 20, Deduct	*-238.24*	
		For >20 To 40, Deduct	*-430.41*	
		For >40, Deduct	*-906.90*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,555.75	575.69
		For Galvanized Finish, Add	*102.13*	
		For >10 To 20, Deduct	*-164.96*	
		For >20 To 40, Deduct	*-295.87*	
		For >40, Deduct	*-625.79*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,172.03	647.65
		For Galvanized Finish, Add	*116.30*	
		For >10 To 20, Deduct	*-187.45*	
		For >20 To 40, Deduct	*-336.14*	
		For >40, Deduct	*-711.04*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,993.48	719.61
		For Galvanized Finish, Add	*136.63*	
		For >10 To 20, Deduct	*-218.15*	
		For >20 To 40, Deduct	*-390.76*	
		For >40, Deduct	*-827.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,236.38	935.49
		For Galvanized Finish, Add	*160.96*	
		For >10 To 20, Deduct	*-261.39*	
		For >20 To 40, Deduct	*-469.13*	
		For >40, Deduct	*-991.91*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,445.10	1,079.41
		For Galvanized Finish, Add	*188.59*	
		For >10 To 20, Deduct	*-305.42*	
		For >20 To 40, Deduct	*-547.98*	
		For >40, Deduct	*-1,158.82*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	9,416.07	1,079.41
		For Galvanized Finish, Add	*217.72*	
		For >10 To 20, Deduct	*-344.26*	
		For >20 To 40, Deduct	*-615.95*	
		For >40, Deduct	*-1,304.47*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	12,660.59	1,079.41
		For Galvanized Finish, Add	*315.05*	
		For >10 To 20, Deduct	*-474.04*	
		For >20 To 40, Deduct	*-843.06*	
		For >40, Deduct	*-1,791.15*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	14,235.14	1,079.41
		For Galvanized Finish, Add	*362.29*	
		For >10 To 20, Deduct	*-537.02*	
		For >20 To 40, Deduct	*-953.28*	
		For >40, Deduct	*-2,027.33*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,345.87	251.87
		For Galvanized Finish, Add	*25.26*	
		For >10 To 20, Deduct	*-46.28*	
		For >20 To 40, Deduct	*-84.14*	
		For >40, Deduct	*-176.69*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,417.83	287.85
		For Galvanized Finish, Add	*25.26*	
		For >10 To 20, Deduct	*-48.08*	
		For >20 To 40, Deduct	*-87.73*	
		For >40, Deduct	*-183.89*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,530.35	323.82
		For Galvanized Finish, Add	*26.48*	
		For >10 To 20, Deduct	*-51.50*	
		For >20 To 40, Deduct	*-94.17*	
		For >40, Deduct	*-197.17*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,623.59	341.82
		For Galvanized Finish, Add	*28.20*	
		For >10 To 20, Deduct	*-54.69*	
		For >20 To 40, Deduct	*-99.98*	
		For >40, Deduct	*-209.36*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,659.57	359.80
		For Galvanized Finish, Add	*28.20*	
		For >10 To 20, Deduct	*-55.59*	
		For >20 To 40, Deduct	*-101.78*	
		For >40, Deduct	*-212.96*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,757.77	395.78
		For Galvanized Finish, Add	*28.99*	
		For >10 To 20, Deduct	*-58.44*	
		For >20 To 40, Deduct	*-107.21*	
		For >40, Deduct	*-224.09*	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,851.21	431.76
		For Galvanized Finish, Add	*29.63*	
		For >10 To 20, Deduct	*-61.10*	
		For >20 To 40, Deduct	*-112.31*	
		For >40, Deduct	*-234.50*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,282.19	575.69
		For Galvanized Finish, Add	*33.92*	
		For >10 To 20, Deduct	*-74.02*	
		For >20 To 40, Deduct	*-136.73*	
		For >40, Deduct	*-284.76*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,173.28	431.76
		For Galvanized Finish, Add	*39.29*	
		For >10 To 20, Deduct	*-73.98*	
		For >20 To 40, Deduct	*-134.86*	
		For >40, Deduct	*-282.82*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,725.93	575.69
		For Galvanized Finish, Add	*47.24*	
		For >10 To 20, Deduct	*-91.77*	
		For >20 To 40, Deduct	*-167.79*	
		For >40, Deduct	*-351.32*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,129.89	647.65
		For Galvanized Finish, Add	*55.04*	
		For >10 To 20, Deduct	*-105.77*	
		For >20 To 40, Deduct	*-193.19*	
		For >40, Deduct	*-404.72*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,085.01	431.76
		For Galvanized Finish, Add	*36.64*	
		For >10 To 20, Deduct	*-70.45*	
		For >20 To 40, Deduct	*-128.68*	
		For >40, Deduct	*-269.57*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0242	EA		25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,554.16	575.69
			For Galvanized Finish, Add	*42.08*	
			For >10 To 20, Deduct	*-84.90*	
			For >20 To 40, Deduct	*-155.76*	
			For >40, Deduct	*-325.56*	
26 56 13 00-0243	EA		30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,981.98	647.65
			For Galvanized Finish, Add	*50.60*	
			For >10 To 20, Deduct	*-99.85*	
			For >20 To 40, Deduct	*-182.83*	
			For >40, Deduct	*-382.53*	
26 56 13 00-0244	EA		20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,387.99	431.76
			For Galvanized Finish, Add	*45.73*	
			For >10 To 20, Deduct	*-82.57*	
			For >20 To 40, Deduct	*-149.89*	
			For >40, Deduct	*-315.02*	
26 56 13 00-0245	EA		25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,940.64	575.69
			For Galvanized Finish, Add	*53.68*	
			For >10 To 20, Deduct	*-100.35*	
			For >20 To 40, Deduct	*-182.82*	
			For >40, Deduct	*-383.53*	
26 56 13 00-0246	EA		30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,332.67	647.65
			For Galvanized Finish, Add	*61.12*	
			For >10 To 20, Deduct	*-113.88*	
			For >20 To 40, Deduct	*-207.38*	
			For >40, Deduct	*-435.14*	
26 56 13 00-0247	EA		35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,700.46	683.63
			For Galvanized Finish, Add	*70.00*	
			For >10 To 20, Deduct	*-127.51*	
			For >20 To 40, Deduct	*-231.69*	
			For >40, Deduct	*-486.71*	
26 56 13 00-0248	EA		30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,802.65	647.65
			For Galvanized Finish, Add	*75.22*	
			For >10 To 20, Deduct	*-132.68*	
			For >20 To 40, Deduct	*-240.28*	
			For >40, Deduct	*-505.63*	
26 56 13 00-0249	EA		35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,172.82	683.63
			For Galvanized Finish, Add	*84.17*	
			For >10 To 20, Deduct	*-146.40*	
			For >20 To 40, Deduct	*-264.75*	
			For >40, Deduct	*-557.56*	
26 56 13 00-0250	EA		40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,414.16	719.61
			For Galvanized Finish, Add	*89.25*	
			For >10 To 20, Deduct	*-154.98*	
			For >20 To 40, Deduct	*-280.21*	
			For >40, Deduct	*-590.16*	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

26 56 13 00-0253	EA		20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,819.50	431.76
			For Galvanized Finish, Add	*118.68*	
			For >10 To 20, Deduct	*-179.83*	
			For >20 To 40, Deduct	*-320.09*	
			For >40, Deduct	*-679.75*	
26 56 13 00-0254	EA		25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,376.31	575.69
			For Galvanized Finish, Add	*126.75*	
			For >10 To 20, Deduct	*-197.78*	
			For >20 To 40, Deduct	*-353.31*	
			For >40, Deduct	*-748.88*	
26 56 13 00-0255	EA		30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,529.93	647.65
			For Galvanized Finish, Add	*187.04*	
			For >10 To 20, Deduct	*-281.77*	
			For >20 To 40, Deduct	*-501.19*	
			For >40, Deduct	*-1,064.72*	
26 56 13 00-0256	EA		20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,915.92	431.76
			For Galvanized Finish, Add	*121.57*	
			For >10 To 20, Deduct	*-183.68*	
			For >20 To 40, Deduct	*-326.84*	
			For >40, Deduct	*-694.21*	
26 56 13 00-0257	EA		25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,937.10	575.69
			For Galvanized Finish, Add	*143.57*	
			For >10 To 20, Deduct	*-220.21*	
			For >20 To 40, Deduct	*-392.57*	
			For >40, Deduct	*-833.00*	
26 56 13 00-0258	EA		30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,364.76	647.65
			For Galvanized Finish, Add	*212.08*	
			For >10 To 20, Deduct	*-315.16*	
			For >20 To 40, Deduct	*-559.63*	
			For >40, Deduct	*-1,189.95*	
26 56 13 00-0259	EA		35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,601.43	683.63
			For Galvanized Finish, Add	*247.03*	
			For >10 To 20, Deduct	*-363.55*	
			For >20 To 40, Deduct	*-644.75*	
			For >40, Deduct	*-1,371.85*	
26 56 13 00-0260	EA		39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,289.78	719.61
			For Galvanized Finish, Add	*295.52*	
			For >10 To 20, Deduct	*-430.00*	
			For >20 To 40, Deduct	*-761.50*	
			For >40, Deduct	*-1,621.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,667.25	431.76
		For Galvanized Finish, Add	*114.11*	
		For >10 To 20, Deduct	*-173.74*	
		For >20 To 40, Deduct	*-309.44*	
		For >40, Deduct	*-656.91*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,132.71	575.69
		For Galvanized Finish, Add	*119.44*	
		For >10 To 20, Deduct	*-188.04*	
		For >20 To 40, Deduct	*-336.26*	
		For >40, Deduct	*-712.34*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,101.09	647.65
		For Galvanized Finish, Add	*174.17*	
		For >10 To 20, Deduct	*-264.61*	
		For >20 To 40, Deduct	*-471.17*	
		For >40, Deduct	*-1,000.40*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,842.33	431.76
		For Galvanized Finish, Add	*119.36*	
		For >10 To 20, Deduct	*-180.74*	
		For >20 To 40, Deduct	*-321.69*	
		For >40, Deduct	*-683.17*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,708.72	575.69
		For Galvanized Finish, Add	*136.72*	
		For >10 To 20, Deduct	*-211.08*	
		For >20 To 40, Deduct	*-376.58*	
		For >40, Deduct	*-798.74*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	8,047.58	647.65
		For Galvanized Finish, Add	*202.57*	
		For >10 To 20, Deduct	*-302.47*	
		For >20 To 40, Deduct	*-537.42*	
		For >40, Deduct	*-1,142.37*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,111.31	431.76
		For Galvanized Finish, Add	*127.43*	
		For >10 To 20, Deduct	*-191.50*	
		For >20 To 40, Deduct	*-340.52*	
		For >40, Deduct	*-723.52*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,193.38	575.69
		For Galvanized Finish, Add	*151.26*	
		For >10 To 20, Deduct	*-230.46*	
		For >20 To 40, Deduct	*-410.51*	
		For >40, Deduct	*-871.44*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,618.51	647.65
		For Galvanized Finish, Add	*219.70*	
		For >10 To 20, Deduct	*-325.31*	
		For >20 To 40, Deduct	*-577.39*	
		For >40, Deduct	*-1,228.01*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,911.01	683.63
		For Galvanized Finish, Add	*256.31*	
		For >10 To 20, Deduct	*-375.93*	
		For >20 To 40, Deduct	*-666.43*	
		For >40, Deduct	*-1,418.29*	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,454.72	719.61
		For Galvanized Finish, Add	*300.47*	
		For >10 To 20, Deduct	*-436.60*	
		For >20 To 40, Deduct	*-773.05*	
		For >40, Deduct	*-1,646.25*	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,647.63	431.76
		For Galvanized Finish, Add	*83.52*	
		For >10 To 20, Deduct	*-132.95*	
		For >20 To 40, Deduct	*-238.06*	
		For >40, Deduct	*-503.97*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,426.92	575.69
		For Galvanized Finish, Add	*98.27*	
		For >10 To 20, Deduct	*-159.81*	
		For >20 To 40, Deduct	*-286.86*	
		For >40, Deduct	*-606.47*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,926.30	647.65
		For Galvanized Finish, Add	*108.93*	
		For >10 To 20, Deduct	*-177.62*	
		For >20 To 40, Deduct	*-318.94*	
		For >40, Deduct	*-674.18*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,468.24	683.63
		For Galvanized Finish, Add	*123.03*	
		For >10 To 20, Deduct	*-198.22*	
		For >20 To 40, Deduct	*-355.43*	
		For >40, Deduct	*-751.87*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,764.46	719.61
		For Galvanized Finish, Add	*129.76*	
		For >10 To 20, Deduct	*-208.99*	
		For >20 To 40, Deduct	*-374.73*	
		For >40, Deduct	*-792.71*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,718.80	431.76
		For Galvanized Finish, Add	*115.66*	
		For >10 To 20, Deduct	*-175.80*	
		For >20 To 40, Deduct	*-313.05*	
		For >40, Deduct	*-664.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,266.68	575.69
		For Galvanized Finish, Add	*123.46*	
		For >10 To 20, Deduct	*-193.40*	
		For >20 To 40, Deduct	*-345.64*	
		For >40, Deduct	*-732.43*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,613.38	647.65
		For Galvanized Finish, Add	*129.54*	
		For >10 To 20, Deduct	*-205.11*	
		For >20 To 40, Deduct	*-367.03*	
		For >40, Deduct	*-777.24*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,243.20	647.65
		For Galvanized Finish, Add	*148.44*	
		For >10 To 20, Deduct	*-230.30*	
		For >20 To 40, Deduct	*-411.12*	
		For >40, Deduct	*-871.72*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,768.44	683.63
		For Galvanized Finish, Add	*162.04*	
		For >10 To 20, Deduct	*-250.23*	
		For >20 To 40, Deduct	*-446.45*	
		For >40, Deduct	*-946.90*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,548.56	683.63
		For Galvanized Finish, Add	*185.44*	
		For >10 To 20, Deduct	*-281.43*	
		For >20 To 40, Deduct	*-501.05*	
		For >40, Deduct	*-1,063.92*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,876.18	719.61
		For Galvanized Finish, Add	*163.11*	
		For >10 To 20, Deduct	*-253.46*	
		For >20 To 40, Deduct	*-452.55*	
		For >40, Deduct	*-959.47*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,796.66	719.61
		For Galvanized Finish, Add	*220.72*	
		For >10 To 20, Deduct	*-330.28*	
		For >20 To 40, Deduct	*-586.98*	
		For >40, Deduct	*-1,247.54*	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,116.70	935.49
		For Galvanized Finish, Add	*187.37*	
		For >10 To 20, Deduct	*-296.60*	
		For >20 To 40, Deduct	*-530.75*	
		For >40, Deduct	*-1,123.96*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,426.44	935.49
		For Galvanized Finish, Add	*226.66*	
		For >10 To 20, Deduct	*-348.99*	
		For >20 To 40, Deduct	*-622.43*	
		For >40, Deduct	*-1,320.42*	
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,781.08	1,079.41
		For Galvanized Finish, Add	*228.67*	
		For >10 To 20, Deduct	*-358.86*	
		For >20 To 40, Deduct	*-641.50*	
		For >40, Deduct	*-1,359.22*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	84.58
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	125.79
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	127.96

26 56 13 00-0294 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0295 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	813.18	215.89
		For Bronze Or Satin Anodized Finish, Add	*38.14*	
		For Black Anodized Finish, Add	*76.28*	
		For >10 To 20, Deduct	*-26.05*	
		For >20 To 40, Deduct	*-48.29*	
		For >40, Deduct	*-100.39*	
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	904.71	251.87
		For Bronze Or Satin Anodized Finish, Add	*40.10*	
		For Black Anodized Finish, Add	*80.20*	
		For >10 To 20, Deduct	*-28.63*	
		For >20 To 40, Deduct	*-53.26*	
		For >40, Deduct	*-110.52*	
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,001.12	287.85
		For Bronze Or Satin Anodized Finish, Add	*42.54*	
		For Black Anodized Finish, Add	*85.09*	
		For >10 To 20, Deduct	*-31.41*	
		For >20 To 40, Deduct	*-58.56*	
		For >40, Deduct	*-121.38*	
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,098.51	323.82
		For Bronze Or Satin Anodized Finish, Add	*45.09*	
		For Black Anodized Finish, Add	*90.17*	
		For >10 To 20, Deduct	*-34.23*	
		For >20 To 40, Deduct	*-63.94*	
		For >40, Deduct	*-132.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,151.12	341.82
		For Bronze Or Satin Anodized Finish, Add	*46.75*	
		For Black Anodized Finish, Add	*93.50*	
		For >10 To 20, Deduct	*-35.79*	
		For >20 To 40, Deduct	*-66.91*	
		For >40, Deduct	*-138.49*	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,202.75	359.80
		For Bronze Or Satin Anodized Finish, Add	*48.31*	
		For Black Anodized Finish, Add	*96.63*	
		For >10 To 20, Deduct	*-37.32*	
		For >20 To 40, Deduct	*-69.80*	
		For >40, Deduct	*-144.43*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,261.43	359.80
		For Bronze Or Satin Anodized Finish, Add	*54.18*	
		For Black Anodized Finish, Add	*108.36*	
		For >10 To 20, Deduct	*-39.66*	
		For >20 To 40, Deduct	*-73.91*	
		For >40, Deduct	*-153.23*	
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,370.55	395.78
		For Bronze Or Satin Anodized Finish, Add	*57.90*	
		For Black Anodized Finish, Add	*115.80*	
		For >10 To 20, Deduct	*-42.95*	
		For >20 To 40, Deduct	*-80.11*	
		For >40, Deduct	*-166.00*	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,473.82	431.76
		For Bronze Or Satin Anodized Finish, Add	*61.03*	
		For Black Anodized Finish, Add	*122.06*	
		For >10 To 20, Deduct	*-46.00*	
		For >20 To 40, Deduct	*-85.90*	
		For >40, Deduct	*-177.90*	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,367.26	341.82
		For Bronze Or Satin Anodized Finish, Add	*68.36*	
		For Black Anodized Finish, Add	*136.73*	
		For >10 To 20, Deduct	*-44.44*	
		For >20 To 40, Deduct	*-82.04*	
		For >40, Deduct	*-170.91*	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,689.96	431.76
		For Bronze Or Satin Anodized Finish, Add	*82.64*	
		For Black Anodized Finish, Add	*165.28*	
		For >10 To 20, Deduct	*-54.65*	
		For >20 To 40, Deduct	*-101.03*	
		For >40, Deduct	*-210.32*	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,799.50	431.76
		For Bronze Or Satin Anodized Finish, Add	*93.60*	
		For Black Anodized Finish, Add	*187.19*	
		For >10 To 20, Deduct	*-59.03*	
		For >20 To 40, Deduct	*-108.69*	
		For >40, Deduct	*-226.75*	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,190.03	575.69
		For Bronze Or Satin Anodized Finish, Add	*103.87*	
		For Black Anodized Finish, Add	*207.73*	
		For >10 To 20, Deduct	*-70.33*	
		For >20 To 40, Deduct	*-130.27*	
		For >40, Deduct	*-270.94*	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,528.57	647.65
		For Bronze Or Satin Anodized Finish, Add	*123.33*	
		For Black Anodized Finish, Add	*246.65*	
		For >10 To 20, Deduct	*-81.71*	
		For >20 To 40, Deduct	*-151.09*	
		For >40, Deduct	*-314.52*	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,541.30	431.76
		For Bronze Or Satin Anodized Finish, Add	*67.78*	
		For Black Anodized Finish, Add	*135.55*	
		For >10 To 20, Deduct	*-48.70*	
		For >20 To 40, Deduct	*-90.62*	
		For >40, Deduct	*-188.02*	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,790.69	431.76
		For Bronze Or Satin Anodized Finish, Add	*92.72*	
		For Black Anodized Finish, Add	*185.43*	
		For >10 To 20, Deduct	*-58.67*	
		For >20 To 40, Deduct	*-108.08*	
		For >40, Deduct	*-225.43*	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,174.38	575.69
		For Bronze Or Satin Anodized Finish, Add	*102.30*	
		For Black Anodized Finish, Add	*204.60*	
		For >10 To 20, Deduct	*-69.70*	
		For >20 To 40, Deduct	*-129.18*	
		For >40, Deduct	*-268.59*	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,316.19	575.69
		For Bronze Or Satin Anodized Finish, Add	*116.48*	
		For Black Anodized Finish, Add	*232.96*	
		For >10 To 20, Deduct	*-75.38*	
		For >20 To 40, Deduct	*-139.11*	
		For >40, Deduct	*-289.86*	
26 56 13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,688.96	647.65
		For Bronze Or Satin Anodized Finish, Add	*139.37*	
		For Black Anodized Finish, Add	*278.73*	
		For >10 To 20, Deduct	*-88.13*	
		For >20 To 40, Deduct	*-162.32*	
		For >40, Deduct	*-338.58*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0316		Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*		
26 56 13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	912.94	215.89
		For Bronze, Satin Or Black Anodized Finish, Add	*72.18*	
		For >10 To 20, Deduct	*-30.04*	
		For >20 To 40, Deduct	*-55.27*	
		For >40, Deduct	*-115.35*	
26 56 13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,024.03	251.87
		For Bronze, Satin Or Black Anodized Finish, Add	*78.05*	
		For >10 To 20, Deduct	*-33.41*	
		For >20 To 40, Deduct	*-61.61*	
		For >40, Deduct	*-128.42*	
26 56 13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,131.20	287.85
		For Bronze, Satin Or Black Anodized Finish, Add	*83.33*	
		For >10 To 20, Deduct	*-36.61*	
		For >20 To 40, Deduct	*-67.67*	
		For >40, Deduct	*-140.90*	
26 56 13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,219.79	323.82
		For Bronze, Satin Or Black Anodized Finish, Add	*85.82*	
		For >10 To 20, Deduct	*-39.08*	
		For >20 To 40, Deduct	*-72.43*	
		For >40, Deduct	*-150.59*	
26 56 13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,320.11	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*90.08*	
		For >10 To 20, Deduct	*-42.01*	
		For >20 To 40, Deduct	*-78.02*	
		For >40, Deduct	*-162.04*	
26 56 13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,044.57	251.87
		For Bronze, Satin Or Black Anodized Finish, Add	*81.13*	
		For >10 To 20, Deduct	*-34.23*	
		For >20 To 40, Deduct	*-63.05*	
		For >40, Deduct	*-131.50*	
26 56 13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,149.78	287.85
		For Bronze, Satin Or Black Anodized Finish, Add	*86.11*	
		For >10 To 20, Deduct	*-37.36*	
		For >20 To 40, Deduct	*-68.97*	
		For >40, Deduct	*-143.68*	
26 56 13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,257.93	323.82
		For Bronze, Satin Or Black Anodized Finish, Add	*91.54*	
		For >10 To 20, Deduct	*-40.60*	
		For >20 To 40, Deduct	*-75.10*	
		For >40, Deduct	*-156.31*	
26 56 13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,365.10	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*96.82*	
		For >10 To 20, Deduct	*-43.81*	
		For >20 To 40, Deduct	*-81.16*	
		For >40, Deduct	*-168.78*	
26 56 13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,477.15	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	*102.84*	
		For >10 To 20, Deduct	*-47.21*	
		For >20 To 40, Deduct	*-87.57*	
		For >40, Deduct	*-181.99*	
26 56 13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,583.36	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	*107.97*	
		For >10 To 20, Deduct	*-50.38*	
		For >20 To 40, Deduct	*-93.56*	
		For >40, Deduct	*-194.33*	
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,187.92	287.85
		For Bronze, Satin Or Black Anodized Finish, Add	*91.83*	
		For >10 To 20, Deduct	*-38.88*	
		For >20 To 40, Deduct	*-71.64*	
		For >40, Deduct	*-149.40*	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,302.92	323.82
		For Bronze, Satin Or Black Anodized Finish, Add	*98.29*	
		For >10 To 20, Deduct	*-42.40*	
		For >20 To 40, Deduct	*-78.25*	
		For >40, Deduct	*-163.06*	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,416.93	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*104.60*	
		For >10 To 20, Deduct	*-45.88*	
		For >20 To 40, Deduct	*-84.79*	
		For >40, Deduct	*-176.56*	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,532.90	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	*111.20*	
		For >10 To 20, Deduct	*-49.44*	
		For >20 To 40, Deduct	*-91.47*	
		For >40, Deduct	*-190.36*	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,471.70	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*112.81*	
		For >10 To 20, Deduct	*-48.07*	
		For >20 To 40, Deduct	*-88.63*	
		For >40, Deduct	*-184.77*	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,711.47	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	*127.19*	
		For >10 To 20, Deduct	*-55.51*	
		For >20 To 40, Deduct	*-102.53*	
		For >40, Deduct	*-213.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,224.11	287.85
		For Bronze, Satin Or Black Anodized Finish, Add	*97.26*	
		For >10 To 20, Deduct	*-40.33*	
		For >20 To 40, Deduct	*-74.17*	
		For >40, Deduct	*-154.83*	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,349.86	323.82
		For Bronze, Satin Or Black Anodized Finish, Add	*105.33*	
		For >10 To 20, Deduct	*-44.28*	
		For >20 To 40, Deduct	*-81.54*	
		For >40, Deduct	*-170.10*	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,465.83	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*111.93*	
		For >10 To 20, Deduct	*-47.84*	
		For >20 To 40, Deduct	*-88.22*	
		For >40, Deduct	*-183.89*	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,587.67	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	*119.42*	
		For >10 To 20, Deduct	*-51.63*	
		For >20 To 40, Deduct	*-95.31*	
		For >40, Deduct	*-198.57*	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,706.58	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	*126.46*	
		For >10 To 20, Deduct	*-55.31*	
		For >20 To 40, Deduct	*-102.19*	
		For >40, Deduct	*-212.81*	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,537.23	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*122.64*	
		For >10 To 20, Deduct	*-50.70*	
		For >20 To 40, Deduct	*-93.21*	
		For >40, Deduct	*-194.60*	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,667.87	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	*131.45*	
		For >10 To 20, Deduct	*-54.84*	
		For >20 To 40, Deduct	*-100.92*	
		For >40, Deduct	*-210.60*	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,736.90	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	*131.00*	
		For >10 To 20, Deduct	*-56.52*	
		For >20 To 40, Deduct	*-104.31*	
		For >40, Deduct	*-217.36*	

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	719.71	179.91
		For Bronze Or Satin Anodized Finish, Add	*35.99*	
		For Black Anodized Finish, Add	*71.98*	
		For >10 To 20, Deduct	*-23.39*	
		For >20 To 40, Deduct	*-43.18*	
		For >40, Deduct	*-89.97*	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	774.27	197.89
		For Bronze Or Satin Anodized Finish, Add	*37.85*	
		For Black Anodized Finish, Add	*75.70*	
		For >10 To 20, Deduct	*-25.03*	
		For >20 To 40, Deduct	*-46.28*	
		For >40, Deduct	*-96.35*	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	854.26	215.89
		For Bronze Or Satin Anodized Finish, Add	*42.25*	
		For Black Anodized Finish, Add	*84.50*	
		For >10 To 20, Deduct	*-27.69*	
		For >20 To 40, Deduct	*-51.16*	
		For >40, Deduct	*-106.55*	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	876.75	215.89
		For Bronze Or Satin Anodized Finish, Add	*44.50*	
		For Black Anodized Finish, Add	*89.00*	
		For >10 To 20, Deduct	*-28.59*	
		For >20 To 40, Deduct	*-52.74*	
		For >40, Deduct	*-109.92*	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	905.12	215.89
		For Bronze Or Satin Anodized Finish, Add	*47.34*	
		For Black Anodized Finish, Add	*94.67*	
		For >10 To 20, Deduct	*-29.73*	
		For >20 To 40, Deduct	*-54.72*	
		For >40, Deduct	*-114.18*	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,027.16	233.87
		For Bronze Or Satin Anodized Finish, Add	*55.94*	
		For Black Anodized Finish, Add	*111.88*	
		For >10 To 20, Deduct	*-34.07*	
		For >20 To 40, Deduct	*-62.55*	
		For >40, Deduct	*-130.69*	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,099.34	251.87
		For Bronze Or Satin Anodized Finish, Add	*59.56*	
		For Black Anodized Finish, Add	*119.12*	
		For >10 To 20, Deduct	*-36.42*	
		For >20 To 40, Deduct	*-66.88*	
		For >40, Deduct	*-139.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,250.93	251.87
		For Bronze Or Satin Anodized Finish, Add	*74.72*	
		For Black Anodized Finish, Add	*149.44*	
		For >10 To 20, Deduct	*-42.48*	
		For >20 To 40, Deduct	*-77.49*	
		For >40, Deduct	*-162.45*	
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,517.51	287.85
		For Bronze Or Satin Anodized Finish, Add	*94.18*	
		For Black Anodized Finish, Add	*188.36*	
		For >10 To 20, Deduct	*-52.07*	
		For >20 To 40, Deduct	*-94.71*	
		For >40, Deduct	*-198.84*	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,720.53	323.82
		For Bronze Or Satin Anodized Finish, Add	*107.29*	
		For Black Anodized Finish, Add	*214.58*	
		For >10 To 20, Deduct	*-59.11*	
		For >20 To 40, Deduct	*-107.48*	
		For >40, Deduct	*-225.70*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,899.50	323.82
		For Bronze Or Satin Anodized Finish, Add	*125.19*	
		For Black Anodized Finish, Add	*250.37*	
		For >10 To 20, Deduct	*-66.27*	
		For >20 To 40, Deduct	*-120.01*	
		For >40, Deduct	*-252.54*	

26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	708.54	215.89
		For Bronze Or Satin Anodized Finish, Add	*27.68*	
		For Black Anodized Finish, Add	*55.36*	
		For >10 To 20, Deduct	*-21.87*	
		For >20 To 40, Deduct	*-40.96*	
		For >40, Deduct	*-84.69*	
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	803.00	251.87
		For Bronze Or Satin Anodized Finish, Add	*29.93*	
		For Black Anodized Finish, Add	*59.85*	
		For >10 To 20, Deduct	*-24.56*	
		For >20 To 40, Deduct	*-46.14*	
		For >40, Deduct	*-95.26*	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	897.46	287.85
		For Bronze Or Satin Anodized Finish, Add	*32.18*	
		For Black Anodized Finish, Add	*64.35*	
		For >10 To 20, Deduct	*-27.26*	
		For >20 To 40, Deduct	*-51.31*	
		For >40, Deduct	*-105.83*	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,000.71	323.82
		For Bronze Or Satin Anodized Finish, Add	*35.31*	
		For Black Anodized Finish, Add	*70.61*	
		For >10 To 20, Deduct	*-30.31*	
		For >20 To 40, Deduct	*-57.10*	
		For >40, Deduct	*-117.72*	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,102.99	359.80
		For Bronze Or Satin Anodized Finish, Add	*38.34*	
		For Black Anodized Finish, Add	*76.68*	
		For >10 To 20, Deduct	*-33.33*	
		For >20 To 40, Deduct	*-62.82*	
		For >40, Deduct	*-129.47*	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	828.43	251.87
		For Bronze Or Satin Anodized Finish, Add	*32.47*	
		For Black Anodized Finish, Add	*64.94*	
		For >10 To 20, Deduct	*-25.58*	
		For >20 To 40, Deduct	*-47.92*	
		For >40, Deduct	*-99.08*	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	937.55	287.85
		For Bronze Or Satin Anodized Finish, Add	*36.19*	
		For Black Anodized Finish, Add	*72.37*	
		For >10 To 20, Deduct	*-28.87*	
		For >20 To 40, Deduct	*-54.11*	
		For >40, Deduct	*-111.85*	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,043.74	323.82
		For Bronze Or Satin Anodized Finish, Add	*39.61*	
		For Black Anodized Finish, Add	*79.22*	
		For >10 To 20, Deduct	*-32.03*	
		For >20 To 40, Deduct	*-60.11*	
		For >40, Deduct	*-124.18*	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,249.28	395.78
		For Bronze Or Satin Anodized Finish, Add	*45.77*	
		For Black Anodized Finish, Add	*91.54*	
		For >10 To 20, Deduct	*-38.10*	
		For >20 To 40, Deduct	*-71.62*	
		For >40, Deduct	*-147.81*	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,345.70	431.76
		For Bronze Or Satin Anodized Finish, Add	*48.22*	
		For Black Anodized Finish, Add	*96.43*	
		For >10 To 20, Deduct	*-40.87*	
		For >20 To 40, Deduct	*-76.93*	
		For >40, Deduct	*-158.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	973.74	287.85
		For Bronze Or Satin Anodized Finish, Add	*39.81*	
		For Black Anodized Finish, Add	*79.61*	
		For >10 To 20, Deduct	*-30.31*	
		For >20 To 40, Deduct	*-56.65*	
		For >40, Deduct	*-117.28*	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,085.80	323.82
		For Bronze Or Satin Anodized Finish, Add	*43.82*	
		For Black Anodized Finish, Add	*87.63*	
		For >10 To 20, Deduct	*-33.72*	
		For >20 To 40, Deduct	*-63.05*	
		For >40, Deduct	*-130.49*	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,204.70	359.80
		For Bronze Or Satin Anodized Finish, Add	*48.51*	
		For Black Anodized Finish, Add	*97.02*	
		For >10 To 20, Deduct	*-37.39*	
		For >20 To 40, Deduct	*-69.94*	
		For >40, Deduct	*-144.72*	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,306.00	395.78
		For Bronze Or Satin Anodized Finish, Add	*51.44*	
		For Black Anodized Finish, Add	*102.89*	
		For >10 To 20, Deduct	*-40.37*	
		For >20 To 40, Deduct	*-75.59*	
		For >40, Deduct	*-156.32*	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,421.01	431.76
		For Bronze Or Satin Anodized Finish, Add	*55.75*	
		For Black Anodized Finish, Add	*111.49*	
		For >10 To 20, Deduct	*-43.89*	
		For >20 To 40, Deduct	*-82.20*	
		For >40, Deduct	*-169.97*	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,300.55	359.80
		For Bronze Or Satin Anodized Finish, Add	*58.09*	
		For Black Anodized Finish, Add	*116.19*	
		For >10 To 20, Deduct	*-41.23*	
		For >20 To 40, Deduct	*-76.65*	
		For >40, Deduct	*-159.10*	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,428.25	395.78
		For Bronze Or Satin Anodized Finish, Add	*63.67*	
		For Black Anodized Finish, Add	*127.34*	
		For >10 To 20, Deduct	*-45.26*	
		For >20 To 40, Deduct	*-84.15*	
		For >40, Deduct	*-174.66*	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,515.87	431.76
		For Bronze Or Satin Anodized Finish, Add	*65.23*	
		For Black Anodized Finish, Add	*130.47*	
		For >10 To 20, Deduct	*-47.68*	
		For >20 To 40, Deduct	*-88.84*	
		For >40, Deduct	*-184.20*	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,746.83	503.73
		For Bronze Or Satin Anodized Finish, Add	*73.94*	
		For Black Anodized Finish, Add	*147.88*	
		For >10 To 20, Deduct	*-54.76*	
		For >20 To 40, Deduct	*-102.13*	
		For >40, Deduct	*-211.65*	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,983.67	575.69
		For Bronze Or Satin Anodized Finish, Add	*83.23*	
		For Black Anodized Finish, Add	*166.46*	
		For >10 To 20, Deduct	*-62.08*	
		For >20 To 40, Deduct	*-115.83*	
		For >40, Deduct	*-239.98*	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,524.10	395.78
		For Bronze Or Satin Anodized Finish, Add	*73.25*	
		For Black Anodized Finish, Add	*146.51*	
		For >10 To 20, Deduct	*-49.09*	
		For >20 To 40, Deduct	*-90.86*	
		For >40, Deduct	*-189.04*	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,632.26	431.76
		For Bronze Or Satin Anodized Finish, Add	*76.87*	
		For Black Anodized Finish, Add	*153.74*	
		For >10 To 20, Deduct	*-52.34*	
		For >20 To 40, Deduct	*-96.99*	
		For >40, Deduct	*-201.66*	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,838.76	503.73
		For Bronze Or Satin Anodized Finish, Add	*83.13*	
		For Black Anodized Finish, Add	*166.26*	
		For >10 To 20, Deduct	*-58.44*	
		For >20 To 40, Deduct	*-108.56*	
		For >40, Deduct	*-225.44*	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,054.08	575.69
		For Bronze Or Satin Anodized Finish, Add	*90.27*	
		For Black Anodized Finish, Add	*180.54*	
		For >10 To 20, Deduct	*-64.89*	
		For >20 To 40, Deduct	*-120.76*	
		For >40, Deduct	*-250.54*	
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,205.26	611.67
		For Bronze Or Satin Anodized Finish, Add	*98.19*	
		For Black Anodized Finish, Add	*196.38*	
		For >10 To 20, Deduct	*-69.86*	
		For >20 To 40, Deduct	*-129.90*	
		For >40, Deduct	*-269.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,358.40	647.65
		For Bronze Or Satin Anodized Finish, Add	*106.31*	
		For Black Anodized Finish, Add	*212.62*	
		For >10 To 20, Deduct	*-74.91*	
		For >20 To 40, Deduct	*-139.18*	
		For >40, Deduct	*-289.00*	
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,929.71	503.73
		For Bronze Or Satin Anodized Finish, Add	*92.23*	
		For Black Anodized Finish, Add	*184.45*	
		For >10 To 20, Deduct	*-62.08*	
		For >20 To 40, Deduct	*-114.93*	
		For >40, Deduct	*-239.08*	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,114.72	575.69
		For Bronze Or Satin Anodized Finish, Add	*96.33*	
		For Black Anodized Finish, Add	*192.67*	
		For >10 To 20, Deduct	*-67.32*	
		For >20 To 40, Deduct	*-125.00*	
		For >40, Deduct	*-259.64*	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,270.79	611.67
		For Bronze Or Satin Anodized Finish, Add	*104.75*	
		For Black Anodized Finish, Add	*209.49*	
		For >10 To 20, Deduct	*-72.48*	
		For >20 To 40, Deduct	*-134.49*	
		For >40, Deduct	*-279.45*	
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,460.11	647.65
		For Bronze Or Satin Anodized Finish, Add	*116.48*	
		For Black Anodized Finish, Add	*232.96*	
		For >10 To 20, Deduct	*-78.97*	
		For >20 To 40, Deduct	*-146.30*	
		For >40, Deduct	*-304.25*	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,540.10	665.64
		For Bronze Or Satin Anodized Finish, Add	*120.88*	
		For Black Anodized Finish, Add	*241.76*	
		For >10 To 20, Deduct	*-81.63*	
		For >20 To 40, Deduct	*-151.18*	
		For >40, Deduct	*-314.45*	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,694.42	683.63
		For Bronze Or Satin Anodized Finish, Add	*132.72*	
		For Black Anodized Finish, Add	*265.43*	
		For >10 To 20, Deduct	*-87.27*	
		For >20 To 40, Deduct	*-161.26*	
		For >40, Deduct	*-335.80*	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,013.84	287.85
		For Bronze Or Satin Anodized Finish, Add	*43.82*	
		For Black Anodized Finish, Add	*87.63*	
		For >10 To 20, Deduct	*-31.92*	
		For >20 To 40, Deduct	*-59.46*	
		For >40, Deduct	*-123.29*	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,132.74	323.82
		For Bronze Or Satin Anodized Finish, Add	*48.51*	
		For Black Anodized Finish, Add	*97.02*	
		For >10 To 20, Deduct	*-35.59*	
		For >20 To 40, Deduct	*-66.34*	
		For >40, Deduct	*-137.53*	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,255.56	359.80
		For Bronze Or Satin Anodized Finish, Add	*53.60*	
		For Black Anodized Finish, Add	*107.19*	
		For >10 To 20, Deduct	*-39.43*	
		For >20 To 40, Deduct	*-73.50*	
		For >40, Deduct	*-152.35*	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,367.62	395.78
		For Bronze Or Satin Anodized Finish, Add	*57.61*	
		For Black Anodized Finish, Add	*115.21*	
		For >10 To 20, Deduct	*-42.83*	
		For >20 To 40, Deduct	*-79.90*	
		For >40, Deduct	*-165.56*	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,478.71	431.76
		For Bronze Or Satin Anodized Finish, Add	*61.52*	
		For Black Anodized Finish, Add	*123.03*	
		For >10 To 20, Deduct	*-46.20*	
		For >20 To 40, Deduct	*-86.24*	
		For >40, Deduct	*-178.63*	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,362.16	359.80
		For Bronze Or Satin Anodized Finish, Add	*64.26*	
		For Black Anodized Finish, Add	*128.51*	
		For >10 To 20, Deduct	*-43.69*	
		For >20 To 40, Deduct	*-80.96*	
		For >40, Deduct	*-168.34*	
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,492.80	395.78
		For Bronze Or Satin Anodized Finish, Add	*70.12*	
		For Black Anodized Finish, Add	*140.25*	
		For >10 To 20, Deduct	*-47.84*	
		For >20 To 40, Deduct	*-88.66*	
		For >40, Deduct	*-184.34*	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,593.14	431.76
		For Bronze Or Satin Anodized Finish, Add	*72.96*	
		For Black Anodized Finish, Add	*145.92*	
		For >10 To 20, Deduct	*-50.77*	
		For >20 To 40, Deduct	*-94.25*	
		For >40, Deduct	*-195.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,819.20	503.73
		For Bronze Or Satin Anodized Finish, Add	*81.18*	
		For Black Anodized Finish, Add	*162.35*	
		For >10 To 20, Deduct	*-57.66*	
		For >20 To 40, Deduct	*-107.20*	
		For >40, Deduct	*-222.51*	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,051.15	575.69
		For Bronze Or Satin Anodized Finish, Add	*89.98*	
		For Black Anodized Finish, Add	*179.95*	
		For >10 To 20, Deduct	*-64.78*	
		For >20 To 40, Deduct	*-120.55*	
		For >40, Deduct	*-250.10*	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,040.23	503.73
		For Bronze Or Satin Anodized Finish, Add	*103.28*	
		For Black Anodized Finish, Add	*206.56*	
		For >10 To 20, Deduct	*-66.50*	
		For >20 To 40, Deduct	*-122.67*	
		For >40, Deduct	*-255.66*	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,261.42	575.69
		For Bronze Or Satin Anodized Finish, Add	*111.00*	
		For Black Anodized Finish, Add	*222.01*	
		For >10 To 20, Deduct	*-73.19*	
		For >20 To 40, Deduct	*-135.27*	
		For >40, Deduct	*-281.64*	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,429.23	611.67
		For Bronze Or Satin Anodized Finish, Add	*120.59*	
		For Black Anodized Finish, Add	*241.18*	
		For >10 To 20, Deduct	*-78.82*	
		For >20 To 40, Deduct	*-145.58*	
		For >40, Deduct	*-303.22*	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,580.41	647.65
		For Bronze Or Satin Anodized Finish, Add	*128.51*	
		For Black Anodized Finish, Add	*257.02*	
		For >10 To 20, Deduct	*-83.79*	
		For >20 To 40, Deduct	*-154.72*	
		For >40, Deduct	*-322.30*	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,711.25	665.64
		For Bronze Or Satin Anodized Finish, Add	*138.00*	
		For Black Anodized Finish, Add	*275.99*	
		For >10 To 20, Deduct	*-88.48*	
		For >20 To 40, Deduct	*-163.16*	
		For >40, Deduct	*-340.12*	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,826.45	683.63
		For Bronze Or Satin Anodized Finish, Add	*145.92*	
		For Black Anodized Finish, Add	*291.84*	
		For >10 To 20, Deduct	*-92.55*	
		For >20 To 40, Deduct	*-170.51*	
		For >40, Deduct	*-355.60*	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,926.00	701.62
		For Bronze Or Satin Anodized Finish, Add	*152.28*	
		For Black Anodized Finish, Add	*304.55*	
		For >10 To 20, Deduct	*-95.99*	
		For >20 To 40, Deduct	*-176.76*	
		For >40, Deduct	*-368.74*	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,098.90	719.61
		For Bronze Or Satin Anodized Finish, Add	*165.97*	
		For Black Anodized Finish, Add	*331.94*	
		For >10 To 20, Deduct	*-102.37*	
		For >20 To 40, Deduct	*-188.14*	
		For >40, Deduct	*-392.87*	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,851.73	611.67
		For Bronze Or Satin Anodized Finish, Add	*162.84*	
		For Black Anodized Finish, Add	*325.68*	
		For >10 To 20, Deduct	*-95.72*	
		For >20 To 40, Deduct	*-175.15*	
		For >40, Deduct	*-366.59*	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,069.41	647.65
		For Bronze Or Satin Anodized Finish, Add	*177.41*	
		For Black Anodized Finish, Add	*354.82*	
		For >10 To 20, Deduct	*-103.35*	
		For >20 To 40, Deduct	*-188.95*	
		For >40, Deduct	*-395.65*	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,219.82	665.64
		For Bronze Or Satin Anodized Finish, Add	*188.85*	
		For Black Anodized Finish, Add	*377.71*	
		For >10 To 20, Deduct	*-108.82*	
		For >20 To 40, Deduct	*-198.76*	
		For >40, Deduct	*-416.41*	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,335.99	683.63
		For Bronze Or Satin Anodized Finish, Add	*196.87*	
		For Black Anodized Finish, Add	*393.75*	
		For >10 To 20, Deduct	*-112.93*	
		For >20 To 40, Deduct	*-206.17*	
		For >40, Deduct	*-432.04*	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,404.25	701.62
		For Bronze Or Satin Anodized Finish, Add	*200.10*	
		For Black Anodized Finish, Add	*400.20*	
		For >10 To 20, Deduct	*-115.12*	
		For >20 To 40, Deduct	*-210.23*	
		For >40, Deduct	*-440.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,593.78	719.61
		For Bronze Or Satin Anodized Finish, Add	*215.46*	
		For Black Anodized Finish, Add	*430.91*	
		For >10 To 20, Deduct	*-122.16*	
		For >20 To 40, Deduct	*-222.78*	
		For >40, Deduct	*-467.11*	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,717.74	611.67
		For Bronze Or Satin Anodized Finish, Add	*149.44*	
		For Black Anodized Finish, Add	*298.88*	
		For >10 To 20, Deduct	*-90.36*	
		For >20 To 40, Deduct	*-165.78*	
		For >40, Deduct	*-346.49*	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,917.82	647.65
		For Bronze Or Satin Anodized Finish, Add	*162.25*	
		For Black Anodized Finish, Add	*324.50*	
		For >10 To 20, Deduct	*-97.28*	
		For >20 To 40, Deduct	*-178.34*	
		For >40, Deduct	*-372.91*	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,997.81	665.64
		For Bronze Or Satin Anodized Finish, Add	*166.65*	
		For Black Anodized Finish, Add	*333.31*	
		For >10 To 20, Deduct	*-99.94*	
		For >20 To 40, Deduct	*-183.22*	
		For >40, Deduct	*-383.11*	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,190.27	683.63
		For Bronze Or Satin Anodized Finish, Add	*182.30*	
		For Black Anodized Finish, Add	*364.60*	
		For >10 To 20, Deduct	*-107.10*	
		For >20 To 40, Deduct	*-195.97*	
		For >40, Deduct	*-410.18*	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,288.84	701.62
		For Bronze Or Satin Anodized Finish, Add	*188.56*	
		For Black Anodized Finish, Add	*377.12*	
		For >10 To 20, Deduct	*-110.51*	
		For >20 To 40, Deduct	*-202.15*	
		For >40, Deduct	*-423.16*	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,479.35	719.61
		For Bronze Or Satin Anodized Finish, Add	*204.01*	
		For Black Anodized Finish, Add	*408.03*	
		For >10 To 20, Deduct	*-117.59*	
		For >20 To 40, Deduct	*-214.77*	
		For >40, Deduct	*-449.94*	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,329.97	611.67
		For Bronze Or Satin Anodized Finish, Add	*210.66*	
		For Black Anodized Finish, Add	*421.33*	
		For >10 To 20, Deduct	*-114.85*	
		For >20 To 40, Deduct	*-208.63*	
		For >40, Deduct	*-438.33*	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,521.25	647.65
		For Bronze Or Satin Anodized Finish, Add	*222.60*	
		For Black Anodized Finish, Add	*445.19*	
		For >10 To 20, Deduct	*-121.42*	
		For >20 To 40, Deduct	*-220.58*	
		For >40, Deduct	*-463.42*	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,673.61	665.64
		For Bronze Or Satin Anodized Finish, Add	*234.23*	
		For Black Anodized Finish, Add	*468.47*	
		For >10 To 20, Deduct	*-126.98*	
		For >20 To 40, Deduct	*-230.53*	
		For >40, Deduct	*-484.48*	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,905.20	683.63
		For Bronze Or Satin Anodized Finish, Add	*253.79*	
		For Black Anodized Finish, Add	*507.59*	
		For >10 To 20, Deduct	*-135.70*	
		For >20 To 40, Deduct	*-246.02*	
		For >40, Deduct	*-517.42*	
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,962.69	701.62
		For Bronze Or Satin Anodized Finish, Add	*255.95*	
		For Black Anodized Finish, Add	*511.89*	
		For >10 To 20, Deduct	*-137.46*	
		For >20 To 40, Deduct	*-249.32*	
		For >40, Deduct	*-524.24*	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,193.30	719.61
		For Bronze Or Satin Anodized Finish, Add	*275.41*	
		For Black Anodized Finish, Add	*550.82*	
		For >10 To 20, Deduct	*-146.14*	
		For >20 To 40, Deduct	*-264.75*	
		For >40, Deduct	*-557.03*	
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,365.72	1,079.41
		For Bronze Or Satin Anodized Finish, Add	*320.69*	
		For Black Anodized Finish, Add	*641.38*	
		For >10 To 20, Deduct	*-182.25*	
		For >20 To 40, Deduct	*-332.42*	
		For >40, Deduct	*-696.92*	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,487.00	1,079.41
		For Bronze Or Satin Anodized Finish, Add	*332.82*	
		For Black Anodized Finish, Add	*665.63*	
		For >10 To 20, Deduct	*-187.10*	
		For >20 To 40, Deduct	*-340.91*	
		For >40, Deduct	*-715.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0426		Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0354)*		
26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	918.81	215.89
		For Bronze, Satin Or Black Anodized Finish, Add	*73.06*	
		For >10 To 20, Deduct	*-30.28*	
		For >20 To 40, Deduct	*-55.68*	
		For >40, Deduct	*-116.23*	
26 56 13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,011.32	251.87
		For Bronze, Satin Or Black Anodized Finish, Add	*76.14*	
		For >10 To 20, Deduct	*-32.90*	
		For >20 To 40, Deduct	*-60.72*	
		For >40, Deduct	*-126.51*	
26 56 13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,104.79	287.85
		For Bronze, Satin Or Black Anodized Finish, Add	*79.37*	
		For >10 To 20, Deduct	*-35.56*	
		For >20 To 40, Deduct	*-65.82*	
		For >40, Deduct	*-136.93*	
26 56 13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,200.23	323.82
		For Bronze, Satin Or Black Anodized Finish, Add	*82.89*	
		For >10 To 20, Deduct	*-38.29*	
		For >20 To 40, Deduct	*-71.06*	
		For >40, Deduct	*-147.65*	
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,294.68	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*86.26*	
		For >10 To 20, Deduct	*-40.99*	
		For >20 To 40, Deduct	*-76.24*	
		For >40, Deduct	*-158.22*	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,023.05	251.87
		For Bronze, Satin Or Black Anodized Finish, Add	*77.90*	
		For >10 To 20, Deduct	*-33.37*	
		For >20 To 40, Deduct	*-61.54*	
		For >40, Deduct	*-128.27*	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,118.49	287.85
		For Bronze, Satin Or Black Anodized Finish, Add	*81.42*	
		For >10 To 20, Deduct	*-36.10*	
		For >20 To 40, Deduct	*-66.78*	
		For >40, Deduct	*-138.99*	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,215.87	323.82
		For Bronze, Satin Or Black Anodized Finish, Add	*85.23*	
		For >10 To 20, Deduct	*-38.92*	
		For >20 To 40, Deduct	*-72.16*	
		For >40, Deduct	*-150.00*	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,312.28	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*88.90*	
		For >10 To 20, Deduct	*-41.70*	
		For >20 To 40, Deduct	*-77.47*	
		For >40, Deduct	*-160.86*	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,421.41	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	*94.48*	
		For >10 To 20, Deduct	*-44.98*	
		For >20 To 40, Deduct	*-83.67*	
		For >40, Deduct	*-173.63*	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,521.74	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	*98.73*	
		For >10 To 20, Deduct	*-47.92*	
		For >20 To 40, Deduct	*-89.25*	
		For >40, Deduct	*-185.08*	
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,156.63	287.85
		For Bronze, Satin Or Black Anodized Finish, Add	*87.14*	
		For >10 To 20, Deduct	*-37.63*	
		For >20 To 40, Deduct	*-69.45*	
		For >40, Deduct	*-144.71*	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,258.91	323.82
		For Bronze, Satin Or Black Anodized Finish, Add	*91.69*	
		For >10 To 20, Deduct	*-40.64*	
		For >20 To 40, Deduct	*-75.17*	
		For >40, Deduct	*-156.45*	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,372.92	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*98.00*	
		For >10 To 20, Deduct	*-44.12*	
		For >20 To 40, Deduct	*-81.71*	
		For >40, Deduct	*-169.96*	
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,477.15	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	*102.84*	
		For >10 To 20, Deduct	*-47.21*	
		For >20 To 40, Deduct	*-87.57*	
		For >40, Deduct	*-181.99*	
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,594.11	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	*109.59*	
		For >10 To 20, Deduct	*-50.81*	
		For >20 To 40, Deduct	*-94.32*	
		For >40, Deduct	*-195.94*	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,428.67	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*106.36*	
		For >10 To 20, Deduct	*-46.35*	
		For >20 To 40, Deduct	*-85.61*	
		For >40, Deduct	*-178.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,552.46	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	*114.13*	
		For >10 To 20, Deduct	*-50.22*	
		For >20 To 40, Deduct	*-92.84*	
		For >40, Deduct	*-193.29*	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,654.75	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	*118.68*	
		For >10 To 20, Deduct	*-53.24*	
		For >20 To 40, Deduct	*-98.56*	
		For >40, Deduct	*-205.04*	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,186.95	287.85
		For Bronze, Satin Or Black Anodized Finish, Add	*91.69*	
		For >10 To 20, Deduct	*-38.84*	
		For >20 To 40, Deduct	*-71.57*	
		For >40, Deduct	*-149.26*	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,304.87	323.82
		For Bronze, Satin Or Black Anodized Finish, Add	*98.58*	
		For >10 To 20, Deduct	*-42.48*	
		For >20 To 40, Deduct	*-78.39*	
		For >40, Deduct	*-163.35*	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,428.67	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*106.36*	
		For >10 To 20, Deduct	*-46.35*	
		For >20 To 40, Deduct	*-85.61*	
		For >40, Deduct	*-178.32*	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,540.73	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	*112.37*	
		For >10 To 20, Deduct	*-49.76*	
		For >20 To 40, Deduct	*-92.02*	
		For >40, Deduct	*-191.53*	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,659.64	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	*119.42*	
		For >10 To 20, Deduct	*-53.43*	
		For >20 To 40, Deduct	*-98.90*	
		For >40, Deduct	*-205.77*	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,492.24	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	*115.89*	
		For >10 To 20, Deduct	*-48.90*	
		For >20 To 40, Deduct	*-90.06*	
		For >40, Deduct	*-187.86*	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,623.86	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	*124.84*	
		For >10 To 20, Deduct	*-53.08*	
		For >20 To 40, Deduct	*-97.84*	
		For >40, Deduct	*-204.00*	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,731.03	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	*130.12*	
		For >10 To 20, Deduct	*-56.29*	
		For >20 To 40, Deduct	*-103.90*	
		For >40, Deduct	*-216.48*	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	649.29	179.91
		For Bronze Or Satin Anodized Finish, Add	*28.95*	
		For Black Anodized Finish, Add	*57.90*	
		For >10 To 20, Deduct	*-20.57*	
		For >20 To 40, Deduct	*-38.25*	
		For >40, Deduct	*-79.40*	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	676.68	179.91
		For Bronze Or Satin Anodized Finish, Add	*31.69*	
		For Black Anodized Finish, Add	*63.38*	
		For >10 To 20, Deduct	*-21.67*	
		For >20 To 40, Deduct	*-40.17*	
		For >40, Deduct	*-83.51*	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	735.15	197.89
		For Bronze Or Satin Anodized Finish, Add	*33.94*	
		For Black Anodized Finish, Add	*67.87*	
		For >10 To 20, Deduct	*-23.47*	
		For >20 To 40, Deduct	*-43.54*	
		For >40, Deduct	*-90.48*	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	786.78	215.89
		For Bronze Or Satin Anodized Finish, Add	*35.50*	
		For Black Anodized Finish, Add	*71.00*	
		For >10 To 20, Deduct	*-24.99*	
		For >20 To 40, Deduct	*-46.44*	
		For >40, Deduct	*-96.43*	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	821.99	215.89
		For Bronze Or Satin Anodized Finish, Add	*39.02*	
		For Black Anodized Finish, Add	*78.05*	
		For >10 To 20, Deduct	*-26.40*	
		For >20 To 40, Deduct	*-48.90*	
		For >40, Deduct	*-101.71*	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	761.56	197.89
		For Bronze Or Satin Anodized Finish, Add	*36.58*	
		For Black Anodized Finish, Add	*73.16*	
		For >10 To 20, Deduct	*-24.53*	
		For >20 To 40, Deduct	*-45.39*	
		For >40, Deduct	*-94.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	824.92	215.89
		For Bronze Or Satin Anodized Finish, Add	*39.32*	
		For Black Anodized Finish, Add	*78.63*	
		For >10 To 20, Deduct	*-26.52*	
		For >20 To 40, Deduct	*-49.11*	
		For >40, Deduct	*-102.15*	
26 56 13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	844.48	215.89
		For Bronze Or Satin Anodized Finish, Add	*41.27*	
		For Black Anodized Finish, Add	*82.54*	
		For >10 To 20, Deduct	*-27.30*	
		For >20 To 40, Deduct	*-50.48*	
		For >40, Deduct	*-105.08*	
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	911.76	233.87
		For Bronze Or Satin Anodized Finish, Add	*44.40*	
		For Black Anodized Finish, Add	*88.80*	
		For >10 To 20, Deduct	*-29.45*	
		For >20 To 40, Deduct	*-54.47*	
		For >40, Deduct	*-113.38*	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	975.13	251.87
		For Bronze Or Satin Anodized Finish, Add	*47.14*	
		For Black Anodized Finish, Add	*94.28*	
		For >10 To 20, Deduct	*-31.45*	
		For >20 To 40, Deduct	*-58.18*	
		For >40, Deduct	*-121.08*	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	901.20	215.89
		For Bronze Or Satin Anodized Finish, Add	*46.94*	
		For Black Anodized Finish, Add	*93.89*	
		For >10 To 20, Deduct	*-29.57*	
		For >20 To 40, Deduct	*-54.45*	
		For >40, Deduct	*-113.59*	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	974.35	233.87
		For Bronze Or Satin Anodized Finish, Add	*50.66*	
		For Black Anodized Finish, Add	*101.32*	
		For >10 To 20, Deduct	*-31.96*	
		For >20 To 40, Deduct	*-58.85*	
		For >40, Deduct	*-122.77*	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,042.61	251.87
		For Bronze Or Satin Anodized Finish, Add	*53.89*	
		For Black Anodized Finish, Add	*107.78*	
		For >10 To 20, Deduct	*-34.15*	
		For >20 To 40, Deduct	*-62.91*	
		For >40, Deduct	*-131.21*	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,054.55	233.87
		For Bronze Or Satin Anodized Finish, Add	*58.68*	
		For Black Anodized Finish, Add	*117.36*	
		For >10 To 20, Deduct	*-35.17*	
		For >20 To 40, Deduct	*-64.46*	
		For >40, Deduct	*-134.80*	
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,345.38	287.85
		For Bronze Or Satin Anodized Finish, Add	*76.97*	
		For Black Anodized Finish, Add	*153.94*	
		For >10 To 20, Deduct	*-45.18*	
		For >20 To 40, Deduct	*-82.66*	
		For >40, Deduct	*-173.02*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,455.90	287.85
		For Bronze Or Satin Anodized Finish, Add	*88.02*	
		For Black Anodized Finish, Add	*176.04*	
		For >10 To 20, Deduct	*-49.60*	
		For >20 To 40, Deduct	*-90.40*	
		For >40, Deduct	*-189.60*	
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,622.73	323.82
		For Bronze Or Satin Anodized Finish, Add	*97.51*	
		For Black Anodized Finish, Add	*195.02*	
		For >10 To 20, Deduct	*-55.19*	
		For >20 To 40, Deduct	*-100.64*	
		For >40, Deduct	*-211.03*	
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,743.02	323.82
		For Bronze Or Satin Anodized Finish, Add	*109.54*	
		For Black Anodized Finish, Add	*219.07*	
		For >10 To 20, Deduct	*-60.01*	
		For >20 To 40, Deduct	*-109.06*	
		For >40, Deduct	*-229.07*	

26 56 13 00-0473 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*

26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	835.68	215.89
		For Bronze Or Satin Anodized Finish, Add	*40.39*	
		For Black Anodized Finish, Add	*80.78*	
		For >10 To 20, Deduct	*-26.95*	
		For >20 To 40, Deduct	*-49.86*	
		For >40, Deduct	*-103.76*	
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	928.19	251.87
		For Bronze Or Satin Anodized Finish, Add	*42.45*	
		For Black Anodized Finish, Add	*84.89*	
		For >10 To 20, Deduct	*-29.57*	
		For >20 To 40, Deduct	*-54.90*	
		For >40, Deduct	*-114.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,028.51	287.85
		For Bronze Or Satin Anodized Finish, Add	*45.28*	
		For Black Anodized Finish, Add	*90.56*	
		For >10 To 20, Deduct	*-32.51*	
		For >20 To 40, Deduct	*-60.48*	
		For >40, Deduct	*-125.49*	
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,127.85	323.82
		For Bronze Or Satin Anodized Finish, Add	*48.02*	
		For Black Anodized Finish, Add	*96.04*	
		For >10 To 20, Deduct	*-35.40*	
		For >20 To 40, Deduct	*-66.00*	
		For >40, Deduct	*-136.80*	
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,181.44	341.82
		For Bronze Or Satin Anodized Finish, Add	*49.78*	
		For Black Anodized Finish, Add	*99.56*	
		For >10 To 20, Deduct	*-37.00*	
		For >20 To 40, Deduct	*-69.03*	
		For >40, Deduct	*-143.03*	
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,235.02	359.80
		For Bronze Or Satin Anodized Finish, Add	*51.54*	
		For Black Anodized Finish, Add	*103.08*	
		For >10 To 20, Deduct	*-38.61*	
		For >20 To 40, Deduct	*-72.06*	
		For >40, Deduct	*-149.27*	
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,340.23	395.78
		For Bronze Or Satin Anodized Finish, Add	*54.87*	
		For Black Anodized Finish, Add	*109.73*	
		For >10 To 20, Deduct	*-41.74*	
		For >20 To 40, Deduct	*-77.98*	
		For >40, Deduct	*-161.46*	
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,454.26	431.76
		For Bronze Or Satin Anodized Finish, Add	*59.07*	
		For Black Anodized Finish, Add	*118.14*	
		For >10 To 20, Deduct	*-45.22*	
		For >20 To 40, Deduct	*-84.53*	
		For >40, Deduct	*-174.96*	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,302.50	359.80
		For Bronze Or Satin Anodized Finish, Add	*58.29*	
		For Black Anodized Finish, Add	*116.58*	
		For >10 To 20, Deduct	*-41.31*	
		For >20 To 40, Deduct	*-76.78*	
		For >40, Deduct	*-159.39*	
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,409.67	395.78
		For Bronze Or Satin Anodized Finish, Add	*61.81*	
		For Black Anodized Finish, Add	*123.62*	
		For >10 To 20, Deduct	*-44.51*	
		For >20 To 40, Deduct	*-82.85*	
		For >40, Deduct	*-171.87*	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,529.56	431.76
		For Bronze Or Satin Anodized Finish, Add	*66.60*	
		For Black Anodized Finish, Add	*133.20*	
		For >10 To 20, Deduct	*-48.23*	
		For >20 To 40, Deduct	*-89.80*	
		For >40, Deduct	*-186.26*	
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,474.84	341.82
		For Bronze Or Satin Anodized Finish, Add	*79.12*	
		For Black Anodized Finish, Add	*158.24*	
		For >10 To 20, Deduct	*-48.74*	
		For >20 To 40, Deduct	*-89.57*	
		For >40, Deduct	*-187.04*	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,810.25	431.76
		For Bronze Or Satin Anodized Finish, Add	*94.67*	
		For Black Anodized Finish, Add	*189.34*	
		For >10 To 20, Deduct	*-59.46*	
		For >20 To 40, Deduct	*-109.45*	
		For >40, Deduct	*-228.36*	
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,220.34	575.69
		For Bronze Or Satin Anodized Finish, Add	*106.90*	
		For Black Anodized Finish, Add	*213.79*	
		For >10 To 20, Deduct	*-71.54*	
		For >20 To 40, Deduct	*-132.40*	
		For >40, Deduct	*-275.48*	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,590.20	431.76
		For Bronze Or Satin Anodized Finish, Add	*72.67*	
		For Black Anodized Finish, Add	*145.33*	
		For >10 To 20, Deduct	*-50.65*	
		For >20 To 40, Deduct	*-94.04*	
		For >40, Deduct	*-195.35*	
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,928.59	431.76
		For Bronze Or Satin Anodized Finish, Add	*106.51*	
		For Black Anodized Finish, Add	*213.01*	
		For >10 To 20, Deduct	*-64.19*	
		For >20 To 40, Deduct	*-117.73*	
		For >40, Deduct	*-246.11*	
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,327.93	575.69
		For Bronze Or Satin Anodized Finish, Add	*117.66*	
		For Black Anodized Finish, Add	*235.31*	
		For >10 To 20, Deduct	*-75.85*	
		For >20 To 40, Deduct	*-139.93*	
		For >40, Deduct	*-291.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,114.41	431.76
		For Bronze Or Satin Anodized Finish, Add	*125.09*	
		For Black Anodized Finish, Add	*250.17*	
		For >10 To 20, Deduct	*-71.62*	
		For >20 To 40, Deduct	*-130.74*	
		For >40, Deduct	*-273.98*	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,570.47	575.69
		For Bronze Or Satin Anodized Finish, Add	*141.91*	
		For Black Anodized Finish, Add	*283.82*	
		For >10 To 20, Deduct	*-85.55*	
		For >20 To 40, Deduct	*-156.91*	
		For >40, Deduct	*-328.00*	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,966.72	647.65
		For Bronze Or Satin Anodized Finish, Add	*167.14*	
		For Black Anodized Finish, Add	*334.28*	
		For >10 To 20, Deduct	*-99.24*	
		For >20 To 40, Deduct	*-181.76*	
		For >40, Deduct	*-380.24*	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	745.14	179.91
		For Bronze Or Satin Anodized Finish, Add	*38.53*	
		For Black Anodized Finish, Add	*77.07*	
		For >10 To 20, Deduct	*-24.41*	
		For >20 To 40, Deduct	*-44.96*	
		For >40, Deduct	*-93.78*	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	830.99	197.89
		For Bronze Or Satin Anodized Finish, Add	*43.52*	
		For Black Anodized Finish, Add	*87.04*	
		For >10 To 20, Deduct	*-27.30*	
		For >20 To 40, Deduct	*-50.25*	
		For >40, Deduct	*-104.86*	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	887.51	215.89
		For Bronze Or Satin Anodized Finish, Add	*45.58*	
		For Black Anodized Finish, Add	*91.15*	
		For >10 To 20, Deduct	*-29.02*	
		For >20 To 40, Deduct	*-53.49*	
		For >40, Deduct	*-111.54*	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	911.96	215.89
		For Bronze Or Satin Anodized Finish, Add	*48.02*	
		For Black Anodized Finish, Add	*96.04*	
		For >10 To 20, Deduct	*-30.00*	
		For >20 To 40, Deduct	*-55.20*	
		For >40, Deduct	*-115.21*	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	942.28	215.89
		For Bronze Or Satin Anodized Finish, Add	*51.05*	
		For Black Anodized Finish, Add	*102.10*	
		For >10 To 20, Deduct	*-31.21*	
		For >20 To 40, Deduct	*-57.32*	
		For >40, Deduct	*-119.75*	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,081.93	233.87
		For Bronze Or Satin Anodized Finish, Add	*61.42*	
		For Black Anodized Finish, Add	*122.84*	
		For >10 To 20, Deduct	*-36.26*	
		For >20 To 40, Deduct	*-66.38*	
		For >40, Deduct	*-138.90*	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,159.97	251.87
		For Bronze Or Satin Anodized Finish, Add	*65.62*	
		For Black Anodized Finish, Add	*131.25*	
		For >10 To 20, Deduct	*-38.84*	
		For >20 To 40, Deduct	*-71.12*	
		For >40, Deduct	*-148.81*	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,313.52	251.87
		For Bronze Or Satin Anodized Finish, Add	*80.98*	
		For Black Anodized Finish, Add	*161.96*	
		For >10 To 20, Deduct	*-44.98*	
		For >20 To 40, Deduct	*-81.87*	
		For >40, Deduct	*-171.84*	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,508.71	287.85
		For Bronze Or Satin Anodized Finish, Add	*93.30*	
		For Black Anodized Finish, Add	*186.60*	
		For >10 To 20, Deduct	*-51.71*	
		For >20 To 40, Deduct	*-94.10*	
		For >40, Deduct	*-197.52*	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,851.99	287.85
		For Bronze Or Satin Anodized Finish, Add	*127.63*	
		For Black Anodized Finish, Add	*255.26*	
		For >10 To 20, Deduct	*-65.44*	
		For >20 To 40, Deduct	*-118.13*	
		For >40, Deduct	*-249.01*	

26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0507	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	84.58
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	36.45
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	127.96

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0510		Fiberglass Area Light Poles *(26 56 13 00-0177)* Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511		Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0510)*		
26 56 13 00-0512		Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0511)*		
26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,284.68	251.87
		For >10 To 20, Deduct	*-43.83*	
		For >20 To 40, Deduct	*-79.85*	
		For >40, Deduct	*-167.52*	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,403.12	287.85
		For >10 To 20, Deduct	*-47.49*	
		For >20 To 40, Deduct	*-86.70*	
		For >40, Deduct	*-181.68*	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,522.89	323.82
		For >10 To 20, Deduct	*-51.20*	
		For >20 To 40, Deduct	*-93.65*	
		For >40, Deduct	*-196.05*	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,641.34	359.80
		For >10 To 20, Deduct	*-54.86*	
		For >20 To 40, Deduct	*-100.50*	
		For >40, Deduct	*-210.22*	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,783.69	395.78
		For >10 To 20, Deduct	*-59.47*	
		For >20 To 40, Deduct	*-109.03*	
		For >40, Deduct	*-227.98*	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,904.80	431.76
		For >10 To 20, Deduct	*-63.24*	
		For >20 To 40, Deduct	*-116.07*	
		For >40, Deduct	*-242.54*	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,096.52	503.73
		For >10 To 20, Deduct	*-68.75*	
		For >20 To 40, Deduct	*-126.61*	
		For >40, Deduct	*-264.11*	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,286.94	575.69
		For >10 To 20, Deduct	*-74.21*	
		For >20 To 40, Deduct	*-137.06*	
		For >40, Deduct	*-285.47*	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,394.52	575.69
		For >10 To 20, Deduct	*-78.51*	
		For >20 To 40, Deduct	*-144.59*	
		For >40, Deduct	*-301.61*	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,560.78	611.67
		For >10 To 20, Deduct	*-84.08*	
		For >20 To 40, Deduct	*-154.79*	
		For >40, Deduct	*-322.95*	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,727.03	647.65
		For >10 To 20, Deduct	*-89.65*	
		For >20 To 40, Deduct	*-164.99*	
		For >40, Deduct	*-344.29*	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,406.87	251.87
		For >10 To 20, Deduct	*-48.72*	
		For >20 To 40, Deduct	*-88.41*	
		For >40, Deduct	*-185.84*	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,501.40	287.85
		For >10 To 20, Deduct	*-51.42*	
		For >20 To 40, Deduct	*-93.58*	
		For >40, Deduct	*-196.43*	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,597.27	323.82
		For >10 To 20, Deduct	*-54.18*	
		For >20 To 40, Deduct	*-98.86*	
		For >40, Deduct	*-207.21*	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,695.79	359.80
		For >10 To 20, Deduct	*-57.04*	
		For >20 To 40, Deduct	*-104.31*	
		For >40, Deduct	*-218.39*	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,800.96	395.78
		For >10 To 20, Deduct	*-60.16*	
		For >20 To 40, Deduct	*-110.24*	
		For >40, Deduct	*-230.57*	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,904.80	431.76
		For >10 To 20, Deduct	*-63.24*	
		For >20 To 40, Deduct	*-116.07*	
		For >40, Deduct	*-242.54*	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,080.59	503.73
		For >10 To 20, Deduct	*-68.11*	
		For >20 To 40, Deduct	*-125.49*	
		For >40, Deduct	*-261.72*	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,286.94	575.69
		For >10 To 20, Deduct	*-74.21*	
		For >20 To 40, Deduct	*-137.06*	
		For >40, Deduct	*-285.47*	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,332.10	575.69
		For >10 To 20, Deduct	*-76.01*	
		For >20 To 40, Deduct	*-140.22*	
		For >40, Deduct	*-292.25*	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,450.54	611.67
		For >10 To 20, Deduct	*-79.67*	
		For >20 To 40, Deduct	*-147.07*	
		For >40, Deduct	*-306.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,568.99	647.65
		For >10 To 20, Deduct	*-83.33*	
		For >20 To 40, Deduct	*-153.92*	
		For >40, Deduct	*-320.58*	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,586.16	251.87
		For >10 To 20, Deduct	*-55.89*	
		For >20 To 40, Deduct	*-100.96*	
		For >40, Deduct	*-212.74*	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,699.30	287.85
		For >10 To 20, Deduct	*-59.34*	
		For >20 To 40, Deduct	*-107.44*	
		For >40, Deduct	*-226.11*	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,812.43	323.82
		For >10 To 20, Deduct	*-62.78*	
		For >20 To 40, Deduct	*-113.92*	
		For >40, Deduct	*-239.48*	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,926.89	359.80
		For >10 To 20, Deduct	*-66.28*	
		For >20 To 40, Deduct	*-120.49*	
		For >40, Deduct	*-253.05*	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,046.66	395.78
		For >10 To 20, Deduct	*-69.99*	
		For >20 To 40, Deduct	*-127.43*	
		For >40, Deduct	*-267.42*	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,174.41	431.76
		For >10 To 20, Deduct	*-74.02*	
		For >20 To 40, Deduct	*-134.94*	
		For >40, Deduct	*-282.98*	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,386.06	503.73
		For >10 To 20, Deduct	*-80.33*	
		For >20 To 40, Deduct	*-146.88*	
		For >40, Deduct	*-307.54*	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,599.05	575.69
		For >10 To 20, Deduct	*-86.69*	
		For >20 To 40, Deduct	*-158.91*	
		For >40, Deduct	*-332.29*	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,668.12	575.69
		For >10 To 20, Deduct	*-89.45*	
		For >20 To 40, Deduct	*-163.74*	
		For >40, Deduct	*-342.65*	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,848.98	611.67
		For >10 To 20, Deduct	*-95.61*	
		For >20 To 40, Deduct	*-174.96*	
		For >40, Deduct	*-366.18*	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,999.30	647.65
		For >10 To 20, Deduct	*-100.54*	
		For >20 To 40, Deduct	*-184.05*	
		For >40, Deduct	*-385.13*	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,113.64	665.64
		For >10 To 20, Deduct	*-104.58*	
		For >20 To 40, Deduct	*-191.33*	
		For >40, Deduct	*-400.48*	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,227.98	683.63
		For >10 To 20, Deduct	*-108.61*	
		For >20 To 40, Deduct	*-198.61*	
		For >40, Deduct	*-415.83*	

26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0511)*

26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	806.06	179.91
		For >10 To 20, Deduct	*-26.85*	
		For >20 To 40, Deduct	*-49.23*	
		For >40, Deduct	*-102.92*	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	867.27	197.89
		For >10 To 20, Deduct	*-28.75*	
		For >20 To 40, Deduct	*-52.79*	
		For >40, Deduct	*-110.30*	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	927.16	215.89
		For >10 To 20, Deduct	*-30.61*	
		For >20 To 40, Deduct	*-56.27*	
		For >40, Deduct	*-117.49*	
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	949.73	215.89
		For >10 To 20, Deduct	*-31.51*	
		For >20 To 40, Deduct	*-57.85*	
		For >40, Deduct	*-120.87*	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,022.90	233.87
		For >10 To 20, Deduct	*-33.90*	
		For >20 To 40, Deduct	*-62.25*	
		For >40, Deduct	*-130.05*	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,085.46	251.87
		For >10 To 20, Deduct	*-35.86*	
		For >20 To 40, Deduct	*-65.91*	
		For >40, Deduct	*-137.63*	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,151.98	269.85
		For >10 To 20, Deduct	*-37.98*	
		For >20 To 40, Deduct	*-69.84*	
		For >40, Deduct	*-145.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,225.15	287.85
		For >10 To 20, Deduct	*-40.37*	
		For >20 To 40, Deduct	*-74.25*	
		For >40, Deduct	*-154.99*	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,352.65	287.85
		For >10 To 20, Deduct	*-45.47*	
		For >20 To 40, Deduct	*-83.17*	
		For >40, Deduct	*-174.11*	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,516.13	305.83
		For >10 To 20, Deduct	*-51.47*	
		For >20 To 40, Deduct	*-93.90*	
		For >40, Deduct	*-196.84*	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,679.61	323.82
		For >10 To 20, Deduct	*-57.47*	
		For >20 To 40, Deduct	*-104.62*	
		For >40, Deduct	*-219.56*	
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	928.24	179.91
		For >10 To 20, Deduct	*-31.73*	
		For >20 To 40, Deduct	*-57.78*	
		For >40, Deduct	*-121.25*	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	996.10	197.89
		For >10 To 20, Deduct	*-33.91*	
		For >20 To 40, Deduct	*-61.81*	
		For >40, Deduct	*-129.63*	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,063.95	215.89
		For >10 To 20, Deduct	*-36.08*	
		For >20 To 40, Deduct	*-65.84*	
		For >40, Deduct	*-138.00*	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,097.16	215.89
		For >10 To 20, Deduct	*-37.41*	
		For >20 To 40, Deduct	*-68.17*	
		For >40, Deduct	*-142.99*	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,165.01	233.87
		For >10 To 20, Deduct	*-39.58*	
		For >20 To 40, Deduct	*-72.20*	
		For >40, Deduct	*-151.36*	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,232.88	251.87
		For >10 To 20, Deduct	*-41.76*	
		For >20 To 40, Deduct	*-76.23*	
		For >40, Deduct	*-159.75*	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,300.73	269.85
		For >10 To 20, Deduct	*-43.93*	
		For >20 To 40, Deduct	*-80.26*	
		For >40, Deduct	*-168.12*	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,399.14	287.85
		For >10 To 20, Deduct	*-47.33*	
		For >20 To 40, Deduct	*-86.43*	
		For >40, Deduct	*-181.09*	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,522.65	287.85
		For >10 To 20, Deduct	*-52.27*	
		For >20 To 40, Deduct	*-95.07*	
		For >40, Deduct	*-199.61*	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,683.48	305.83
		For >10 To 20, Deduct	*-58.16*	
		For >20 To 40, Deduct	*-105.61*	
		For >40, Deduct	*-221.94*	
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,842.98	323.82
		For >10 To 20, Deduct	*-64.00*	
		For >20 To 40, Deduct	*-116.06*	
		For >40, Deduct	*-244.06*	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,035.82	179.91
		For >10 To 20, Deduct	*-36.04*	
		For >20 To 40, Deduct	*-65.31*	
		For >40, Deduct	*-137.38*	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,095.71	197.89
		For >10 To 20, Deduct	*-37.89*	
		For >20 To 40, Deduct	*-68.78*	
		For >40, Deduct	*-144.57*	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,154.27	215.89
		For >10 To 20, Deduct	*-39.69*	
		For >20 To 40, Deduct	*-72.16*	
		For >40, Deduct	*-151.55*	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,176.85	215.89
		For >10 To 20, Deduct	*-40.60*	
		For >20 To 40, Deduct	*-73.74*	
		For >40, Deduct	*-154.94*	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,235.40	233.87
		For >10 To 20, Deduct	*-42.40*	
		For >20 To 40, Deduct	*-77.12*	
		For >40, Deduct	*-161.92*	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,295.30	251.87
		For >10 To 20, Deduct	*-44.26*	
		For >20 To 40, Deduct	*-80.60*	
		For >40, Deduct	*-169.11*	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,400.34	269.85
		For >10 To 20, Deduct	*-47.92*	
		For >20 To 40, Deduct	*-87.23*	
		For >40, Deduct	*-183.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,521.33	287.85
		For >10 To 20, Deduct	*-52.22*	
		For >20 To 40, Deduct	*-94.98*	
		For >40, Deduct	*-199.42*	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,598.36	287.85
		For >10 To 20, Deduct	*-55.30*	
		For >20 To 40, Deduct	*-100.37*	
		For >40, Deduct	*-210.97*	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,712.70	305.83
		For >10 To 20, Deduct	*-59.33*	
		For >20 To 40, Deduct	*-107.66*	
		For >40, Deduct	*-226.32*	
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,827.04	323.82
		For >10 To 20, Deduct	*-63.37*	
		For >20 To 40, Deduct	*-114.94*	
		For >40, Deduct	*-241.67*	

26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	47.09	
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	47.09	
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	89.35	
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	118.33	

26 56 13 00-0587 Concrete Area Light Poles *(26 56 13 00-0177)*

26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0587)*

26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,420.99	611.67
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,552.83	647.65
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,647.30	665.64
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,273.47	683.63
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,631.35	719.61
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,500.28	935.49
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,395.18	1,151.38
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,166.42	611.67
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,955.31	647.65
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	725.00	215.89
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	3,094.84	431.62
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	280.86	88.08
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	576.31	176.16

26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

Note: Round or square.

26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,554.06	287.85
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,890.39	359.80
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,196.01	431.76
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,459.02	647.65
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,133.95	683.63
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,863.37	719.61
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	6,809.82	935.49

26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	19,232.32	1,619.12
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	22,940.43	2,000.41
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	27,220.50	2,702.31

26 56 13 00-0614 Treated Wood Area Light Poles *(26 56 13 00-0177)*

See CSI section 26 05 46 00-0001 for wood poles.

26 56 13 00-0615 Cast Iron Decorative Light Posts *(26 56 13 00-0177)*

26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base *(26 56 13 00-0615)*

Note: As manufactured by Hadco and King Luminaries or an approved equal.

26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,361.55	179.91
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,442.84	207.25
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,561.10	215.89
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,912.74	251.87
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,225.76	273.45
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,553.51	295.04

26 56 13 00-0623 Landscape Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0624 Aluminum Landscape Light Poles *(26 56 13 00-0623)*

Note: Includes painted finish.

26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles *(26 56 13 00-0624)*

26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base *(26 56 13 00-0625)*

26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	518.79	215.89
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	851.14	287.85

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Direct Burial *(26 56 13 00-0625)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	477.83	215.89
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	810.18	287.85
26 56 13 00-0632		Steel Landscape Light Poles *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0632)*		
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0633)*		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	576.17	215.89
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0633)*		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	543.82	215.89
26 56 13 00-0638		Light Pole Brackets And Arms *(26 56 13 00-0001)*		
26 56 13 00-0639		Light Pole Brackets *(26 56 13 00-0638)*		
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	665.46	43.17
		For Galvanized Finish, Add	*57.91*	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	840.18	43.17
		For Galvanized Finish, Add	*75.38*	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	893.51	43.17
		For Galvanized Finish, Add	*80.72*	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,222.72	43.17
		For Galvanized Finish, Add	*113.64*	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,273.99	43.17
		For Galvanized Finish, Add	*118.76*	
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	245.78	43.17
		For Bronze Or Satin Anodized Finish, Add	*15.94*	
		For Black Anodized Finish, Add	*31.88*	
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	296.63	43.17
		For Bronze Or Satin Anodized Finish, Add	*21.03*	
		For Black Anodized Finish, Add	*42.05*	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	310.32	43.17
		For Bronze Or Satin Anodized Finish, Add	*22.40*	
		For Black Anodized Finish, Add	*44.79*	
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	358.25	43.17
		For Bronze Or Satin Anodized Finish, Add	*27.19*	
		For Black Anodized Finish, Add	*54.38*	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	368.03	43.17
		For Bronze Or Satin Anodized Finish, Add	*28.17*	
		For Black Anodized Finish, Add	*56.33*	
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0654)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	715.35	43.17
		For Galvanized Finish, Add	*62.90*	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	882.71	43.17
		For Galvanized Finish, Add	*79.64*	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,079.27	43.17
		For Galvanized Finish, Add	*99.29*	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,276.74	43.17
		For Galvanized Finish, Add	*119.04*	
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0660)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	679.57	71.96
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,022.11	71.96
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,427.41	71.96
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,560.75	71.96
26 56 13 00-0666		Light Pole Arms *(26 56 13 00-0638)*		
26 56 13 00-0667		Wood Pole Streetlight Arms *(26 56 13 00-0666)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0668		**Steel, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	396.67	64.76
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	420.02	71.96
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	487.51	89.95
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	584.16	71.96
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	651.19	89.95
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	790.39	107.94
26 56 13 00-0675		**Aluminum, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	253.43	71.96
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	309.60	71.96
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	412.32	89.95
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	538.30	107.94
26 56 13 00-0680		**Area Light Arms** *(26 56 13 00-0666)*		
26 56 13 00-0681		**Steel Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	754.65	71.96
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,181.78	79.15
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,313.06	86.36
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,558.87	93.55
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	900.39	89.95
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,284.55	97.15
26 56 13 00-0688		**Aluminum Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	303.34	71.96
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	374.53	89.95
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	447.68	107.94
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	301.38	71.96
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	421.40	79.15
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	370.62	89.95
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	514.10	97.15
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	449.63	107.94
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	623.43	115.14
26 56 13 00-0698		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)* Note: Includes storage, cleaning and supply materials.		
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,374.95	
26 56 13 00-0700		**High Mast Lighting** *(26 56 13 00-0001)*		
26 56 13 00-0701		**High Mast Lighting Assemblies** *(26 56 13 00-0700)* Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.		
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	58,912.26	2,220.53
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	62,230.19	2,325.68
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	65,584.16	2,477.57
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	68,972.14	2,676.21
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	72,378.63	2,921.49
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	76,762.27	3,213.86
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	80,302.70	3,505.99
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	83,571.93	3,798.13
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	87,112.35	4,090.39
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	91,420.18	4,382.53
26 56 13 00-0712		**High Mast Light Poles** *(26 56 13 00-0700)*		
26 56 13 00-0713	EA	60' High Mast Light Poles	22,378.55	1,333.61
26 56 13 00-0714	EA	70' High Mast Light Poles	25,664.89	1,396.78
26 56 13 00-0715	EA	80' High Mast Light Poles	28,973.23	1,488.03
26 56 13 00-0716	EA	90' High Mast Light Poles	32,301.56	1,607.35
26 56 13 00-0717	EA	100' High Mast Light Poles	35,651.90	1,754.75
26 56 13 00-0718	EA	110' High Mast Light Poles	39,024.24	1,930.22
26 56 13 00-0719	EA	120' High Mast Light Poles	41,572.92	2,105.71
26 56 13 00-0720	EA	130' High Mast Light Poles	41,567.23	3,902.57
26 56 13 00-0721	EA	140' High Mast Light Poles	46,397.08	2,456.65
26 56 13 00-0722	EA	150' High Mast Light Poles	49,218.99	2,632.12
26 56 13 00-0723		**High Mast Lighting Accessories** *(26 56 13 00-0700)* See CSI section 26 55 13 00-0119 for lighting fixtures, 26 56 21 00-0001 for light fixtures.		
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	1,035.89	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	2,933.84	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	2,221.97	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	933.56	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	1,738.59	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	19,003.09	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	19,112.10	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0731		Concrete Bases *(26 56 13 00-0001)*		
26 56 13 00-0732		Concrete Bases, Cast In Place *(26 56 13 00-0731)* Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA	Cast In Place Concrete Base For Poles Minimum Charge Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	389.73	
26 56 13 00-0734	VLF	1-1/2' Diameter Concrete Base For Poles	64.91	
26 56 13 00-0735	VLF	2' Diameter Concrete Base For Poles	92.29	
26 56 13 00-0736	VLF	2-1/2' Diameter Concrete Base For Poles	125.59	
26 56 13 00-0737	VLF	3' Diameter Concrete Base For Poles	165.98	
26 56 13 00-0738	VLF	3-1/2' Diameter Concrete Base For Poles	223.23	
26 56 13 00-0739	VLF	4' Diameter Concrete Base For Poles	281.60	
26 56 13 00-0740	VLF	5' Diameter Concrete Base For Poles	410.21	
26 56 13 00-0741	VLF	6' Diameter Concrete Base For Poles	565.25	
26 56 18		**Incandescent Exterior Lighting** *(26 56)*		
26 56 18 00-0001		Exterior Globe *(26 56 18)*		
26 56 18 00-0002		Incandescent, Exterior Globe *(26 56 18 00-0001)*		
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	62.59	23.70
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	94.34	23.70
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	72.55	23.70
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	98.17	23.70
26 56 18 00-0007		Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 18)* Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	278.17	94.76
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	290.07	100.69
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	319.26	106.61
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	312.36	118.46
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	351.22	136.23
26 56 19		**LED Exterior Lighting** *(26 56)*		
26 56 19 00-0001		LED, Wall Packs *(26 56 19)*		
26 56 19 00-0002		Full Cutoff, LED Wall Packs *(26 56 19 00-0001)*		
26 56 19 00-0003		Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0002)*		
26 56 19 00-0004	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,010.66	126.26
		For >50 To 100, Deduct	*-50.53*	
		For >100 To 250, Deduct	*-75.80*	
		For >250 To 500, Deduct	*-120.02*	
		For >500 To 1,000, Deduct	*-164.24*	
		For >1,000, Deduct	*-208.46*	
26 56 19 00-0005	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,092.96	126.26
		For >50 To 100, Deduct	*-54.65*	
		For >100 To 250, Deduct	*-81.97*	
		For >250 To 500, Deduct	*-130.31*	
		For >500 To 1,000, Deduct	*-178.64*	
		For >1,000, Deduct	*-226.98*	
26 56 19 00-0006		Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0002)*		
26 56 19 00-0007		Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0006)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0008	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,038.02	122.65
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*53.63*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-51.90*	
		For >100 To 250, Deduct	*-77.85*	
		For >250 To 500, Deduct	*-123.62*	
		For >500 To 1,000, Deduct	*-169.39*	
		For >1,000, Deduct	*-215.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0009	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,339.68	129.87
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*54.35*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-66.98*	
		For >100 To 250, Deduct	*-100.48*	
		For >250 To 500, Deduct	*-160.97*	
		For >500 To 1,000, Deduct	*-221.46*	
		For >1,000, Deduct	*-281.95*	
26 56 19 00-0010	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,502.47	137.08
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*55.07*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-75.12*	
		For >100 To 250, Deduct	*-112.69*	
		For >250 To 500, Deduct	*-180.95*	
		For >500 To 1,000, Deduct	*-249.22*	
		For >1,000, Deduct	*-317.49*	
26 56 19 00-0011	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,942.99	144.29
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*55.79*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-97.15*	
		For >100 To 250, Deduct	*-145.72*	
		For >250 To 500, Deduct	*-235.66*	
		For >500 To 1,000, Deduct	*-325.59*	
		For >1,000, Deduct	*-415.53*	
26 56 19 00-0012	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,244.64	151.51
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*56.51*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-112.23*	
		For >100 To 250, Deduct	*-168.35*	
		For >250 To 500, Deduct	*-273.00*	
		For >500 To 1,000, Deduct	*-377.66*	
		For >1,000, Deduct	*-482.32*	
26 56 19 00-0013	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,546.29	158.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*57.23*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-127.31*	
		For >100 To 250, Deduct	*-190.97*	
		For >250 To 500, Deduct	*-310.35*	
		For >500 To 1,000, Deduct	*-429.73*	
		For >1,000, Deduct	*-549.11*	

26 56 19 00-0014 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 19 00-0006)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0015	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	611.51	122.65
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*65.65*	
		For >50 To 100, Deduct	*-30.58*	
		For >100 To 250, Deduct	*-45.86*	
		For >250 To 500, Deduct	*-70.31*	
		For >500 To 1,000, Deduct	*-94.75*	
		For >1,000, Deduct	*-119.19*	
26 56 19 00-0016	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	711.38	129.87
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*65.65*	
		For >50 To 100, Deduct	*-35.57*	
		For >100 To 250, Deduct	*-53.35*	
		For >250 To 500, Deduct	*-82.43*	
		For >500 To 1,000, Deduct	*-111.51*	
		For >1,000, Deduct	*-140.58*	

26 56 19 00-0017 Full Cutoff, LED Wall Packs (McGraw-Edison) *(26 56 19 00-0002)*

26 56 19 00-0018	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,338.91	122.65

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0019	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,663.85	129.87
26 56 19 00-0020	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,354.90	122.65
26 56 19 00-0021	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,809.97	129.87

26 56 19 00-0022 Open Face LED Wall Pack *(26 56 19 00-0001)*

Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass

26 56 19 00-0023	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	748.18	129.66
		For >50 To 100, Deduct	*-37.41*	
		For >100 To 250, Deduct	*-56.11*	
		For >250 To 500, Deduct	*-83.80*	
		For >500 To 1,000, Deduct	*-111.48*	
		For >1,000, Deduct	*-139.17*	
26 56 19 00-0024	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	766.80	129.66
		For >50 To 100, Deduct	*-38.34*	
		For >100 To 250, Deduct	*-57.51*	
		For >250 To 500, Deduct	*-86.13*	
		For >500 To 1,000, Deduct	*-114.74*	
		For >1,000, Deduct	*-143.36*	
26 56 19 00-0025	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	806.85	129.66
		For >50 To 100, Deduct	*-40.34*	
		For >100 To 250, Deduct	*-60.51*	
		For >250 To 500, Deduct	*-91.13*	
		For >500 To 1,000, Deduct	*-121.75*	
		For >1,000, Deduct	*-152.37*	
26 56 19 00-0026	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	841.31	129.66
		For >50 To 100, Deduct	*-42.07*	
		For >100 To 250, Deduct	*-63.10*	
		For >250 To 500, Deduct	*-95.44*	
		For >500 To 1,000, Deduct	*-127.78*	
		For >1,000, Deduct	*-160.12*	
26 56 19 00-0027	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	902.50	129.66
		For >50 To 100, Deduct	*-45.13*	
		For >100 To 250, Deduct	*-67.69*	
		For >250 To 500, Deduct	*-103.09*	
		For >500 To 1,000, Deduct	*-138.49*	
		For >1,000, Deduct	*-173.89*	

26 56 19 00-0028 Wall Pack Accessories *(26 56 19 00-0001)*

26 56 19 00-0029	EA	Photocell For Wall Pack	145.28	32.42
26 56 19 00-0030	EA	Wire Guard For Mini And Small Wall Pack	162.10	32.42
26 56 19 00-0031	EA	Wire Guard For Medium And Large Wall Pack	232.44	32.42
26 56 19 00-0032	EA	Clear Polycarbonate Vandal Guard For Wall Packs	333.94	32.42
26 56 19 00-0033	EA	Full Cutoff Visor For Wall Pack	157.51	32.42

26 56 19 00-0034 LED, Roadway Lighting *(26 56 19)*

26 56 19 00-0035 LED Roadway Lighting (Philips Lumec) *(26 56 19 00-0034)*

26 56 19 00-0036 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) *(26 56 19 00-0035)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0037	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,499.92	173.52
		For >50 To 100, Deduct	*-75.00*	
		For >100 To 250, Deduct	*-112.49*	
		For >250 To 500, Deduct	*-178.81*	
		For >500 To 1,000, Deduct	*-245.13*	
		For >1,000, Deduct	*-311.45*	
26 56 19 00-0038	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,323.51	178.20
		For >50 To 100, Deduct	*-116.18*	
		For >100 To 250, Deduct	*-174.26*	
		For >250 To 500, Deduct	*-281.53*	
		For >500 To 1,000, Deduct	*-388.79*	
		For >1,000, Deduct	*-496.06*	

26 56 19 00-0039 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) *(26 56 19 00-0035)*

Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0040	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,210.15	173.52
		For >50 To 100, Deduct	*-60.51*	
		For >100 To 250, Deduct	*-90.76*	
		For >250 To 500, Deduct	*-142.59*	
		For >500 To 1,000, Deduct	*-194.42*	
		For >1,000, Deduct	*-246.26*	
26 56 19 00-0041	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,296.46	173.52
		For >50 To 100, Deduct	*-64.82*	
		For >100 To 250, Deduct	*-97.23*	
		For >250 To 500, Deduct	*-153.38*	
		For >500 To 1,000, Deduct	*-209.53*	
		For >1,000, Deduct	*-265.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0042	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,382.77	173.52
		For >50 To 100, Deduct	*-69.14*	
		For >100 To 250, Deduct	*-103.71*	
		For >250 To 500, Deduct	*-164.17*	
		For >500 To 1,000, Deduct	*-224.63*	
		For >1,000, Deduct	*-285.10*	

26 56 19 00-0043 LED Roadway Lighting (Lithonia) *(26 56 19 00-0034)*

26 56 19 00-0044 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) *(26 56 19 00-0043)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.

26 56 19 00-0045	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,430.72	164.13
		For >50 To 100, Deduct	*-121.54*	
		For >100 To 250, Deduct	*-182.30*	
		For >250 To 500, Deduct	*-295.63*	
		For >500 To 1,000, Deduct	*-408.96*	
		For >1,000, Deduct	*-522.29*	
26 56 19 00-0046	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	4,026.13	168.83
		For >50 To 100, Deduct	*-201.31*	
		For >100 To 250, Deduct	*-301.96*	
		For >250 To 500, Deduct	*-494.83*	
		For >500 To 1,000, Deduct	*-687.69*	
		For >1,000, Deduct	*-880.56*	

26 56 19 00-0047 LED Roadway Lighting (CREE® BetaLED®) *(26 56 19 00-0034)*

26 56 19 00-0048 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) *(26 56 19 00-0047)*

Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.

26 56 19 00-0049	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	953.46	159.44
		For >50 To 100, Deduct	*-47.67*	
		For >100 To 250, Deduct	*-71.51*	
		For >250 To 500, Deduct	*-111.21*	
		For >500 To 1,000, Deduct	*-150.91*	
		For >1,000, Deduct	*-190.61*	
26 56 19 00-0050	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,070.45	164.13
		For >50 To 100, Deduct	*-53.52*	
		For >100 To 250, Deduct	*-80.28*	
		For >250 To 500, Deduct	*-125.60*	
		For >500 To 1,000, Deduct	*-170.92*	
		For >1,000, Deduct	*-216.23*	
26 56 19 00-0051	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,211.57	168.83
		For >50 To 100, Deduct	*-60.58*	
		For >100 To 250, Deduct	*-90.87*	
		For >250 To 500, Deduct	*-143.01*	
		For >500 To 1,000, Deduct	*-195.14*	
		For >1,000, Deduct	*-247.28*	
26 56 19 00-0052	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,330.42	173.52
		For >50 To 100, Deduct	*-66.52*	
		For >100 To 250, Deduct	*-99.78*	
		For >250 To 500, Deduct	*-157.63*	
		For >500 To 1,000, Deduct	*-215.47*	
		For >1,000, Deduct	*-273.32*	
26 56 19 00-0053	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,449.26	178.20
		For >50 To 100, Deduct	*-72.46*	
		For >100 To 250, Deduct	*-108.69*	
		For >250 To 500, Deduct	*-172.25*	
		For >500 To 1,000, Deduct	*-235.80*	
		For >1,000, Deduct	*-299.35*	
26 56 19 00-0054	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,731.40	182.89
		For >50 To 100, Deduct	*-86.57*	
		For >100 To 250, Deduct	*-129.86*	
		For >250 To 500, Deduct	*-207.28*	
		For >500 To 1,000, Deduct	*-284.71*	
		For >1,000, Deduct	*-362.13*	
26 56 19 00-0055	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,850.25	187.59
		For >50 To 100, Deduct	*-92.51*	
		For >100 To 250, Deduct	*-138.77*	
		For >250 To 500, Deduct	*-221.90*	
		For >500 To 1,000, Deduct	*-305.04*	
		For >1,000, Deduct	*-388.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0056	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,967.25	192.27
		For >50 To 100, Deduct	*-98.36*	
		For >100 To 250, Deduct	*-147.54*	
		For >250 To 500, Deduct	*-236.29*	
		For >500 To 1,000, Deduct	*-325.04*	
		For >1,000, Deduct	*-413.79*	
26 56 19 00-0057	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,195.57	196.96
		For >50 To 100, Deduct	*-109.78*	
		For >100 To 250, Deduct	*-164.67*	
		For >250 To 500, Deduct	*-264.60*	
		For >500 To 1,000, Deduct	*-364.53*	
		For >1,000, Deduct	*-464.46*	
26 56 19 00-0058	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,314.43	201.65
		For >50 To 100, Deduct	*-115.72*	
		For >100 To 250, Deduct	*-173.58*	
		For >250 To 500, Deduct	*-279.22*	
		For >500 To 1,000, Deduct	*-384.86*	
		For >1,000, Deduct	*-490.50*	
26 56 19 00-0059	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,433.27	206.35
		For >50 To 100, Deduct	*-121.66*	
		For >100 To 250, Deduct	*-182.50*	
		For >250 To 500, Deduct	*-293.84*	
		For >500 To 1,000, Deduct	*-405.19*	
		For >1,000, Deduct	*-516.53*	

26 56 19 00-0060 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0047)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0061	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,888.81	168.83
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-94.44*	
		For >100 To 250, Deduct	*-141.66*	
		For >250 To 500, Deduct	*-227.66*	
		For >500 To 1,000, Deduct	*-313.66*	
		For >1,000, Deduct	*-399.66*	
26 56 19 00-0062	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,180.31	178.20
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-109.02*	
		For >100 To 250, Deduct	*-163.52*	
		For >250 To 500, Deduct	*-263.63*	
		For >500 To 1,000, Deduct	*-363.73*	
		For >1,000, Deduct	*-463.84*	
26 56 19 00-0063	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,471.82	187.59
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-123.59*	
		For >100 To 250, Deduct	*-185.39*	
		For >250 To 500, Deduct	*-299.60*	
		For >500 To 1,000, Deduct	*-413.81*	
		For >1,000, Deduct	*-528.02*	
26 56 19 00-0064	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,763.34	196.96
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-138.17*	
		For >100 To 250, Deduct	*-207.25*	
		For >250 To 500, Deduct	*-335.57*	
		For >500 To 1,000, Deduct	*-463.89*	
		For >1,000, Deduct	*-592.21*	
26 56 19 00-0065	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,633.75	206.35
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-181.69*	
		For >100 To 250, Deduct	*-272.53*	
		For >250 To 500, Deduct	*-443.90*	
		For >500 To 1,000, Deduct	*-615.27*	
		For >1,000, Deduct	*-786.64*	
26 56 19 00-0066	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,925.26	215.72
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-196.26*	
		For >100 To 250, Deduct	*-294.39*	
		For >250 To 500, Deduct	*-479.87*	
		For >500 To 1,000, Deduct	*-665.35*	
		For >1,000, Deduct	*-850.83*	
26 56 19 00-0067	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	4,216.77	225.10
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-210.84*	
		For >100 To 250, Deduct	*-316.26*	
		For >250 To 500, Deduct	*-515.84*	
		For >500 To 1,000, Deduct	*-715.42*	
		For >1,000, Deduct	*-915.01*	

26 56 19 00-0068 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0047)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0069	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	794.91	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*37.57*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*58.24*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-39.75*	
		For >100 To 250, Deduct	*-59.62*	
		For >250 To 500, Deduct	*-90.92*	
		For >500 To 1,000, Deduct	*-122.23*	
		For >1,000, Deduct	*-153.53*	
26 56 19 00-0070	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	794.91	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*37.57*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*58.24*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-39.75*	
		For >100 To 250, Deduct	*-59.62*	
		For >250 To 500, Deduct	*-90.92*	
		For >500 To 1,000, Deduct	*-122.23*	
		For >1,000, Deduct	*-153.53*	
26 56 19 00-0071	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	877.62	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*37.57*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*58.24*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-43.88*	
		For >100 To 250, Deduct	*-65.82*	
		For >250 To 500, Deduct	*-101.26*	
		For >500 To 1,000, Deduct	*-136.70*	
		For >1,000, Deduct	*-172.14*	
26 56 19 00-0072	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	877.62	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*37.57*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*58.24*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-43.88*	
		For >100 To 250, Deduct	*-65.82*	
		For >250 To 500, Deduct	*-101.26*	
		For >500 To 1,000, Deduct	*-136.70*	
		For >1,000, Deduct	*-172.14*	
26 56 19 00-0073	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,024.67	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*53.64*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*95.01*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-51.23*	
		For >100 To 250, Deduct	*-76.85*	
		For >250 To 500, Deduct	*-119.64*	
		For >500 To 1,000, Deduct	*-162.43*	
		For >1,000, Deduct	*-205.23*	
26 56 19 00-0074	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,024.67	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*53.64*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*95.01*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-51.23*	
		For >100 To 250, Deduct	*-76.85*	
		For >250 To 500, Deduct	*-119.64*	
		For >500 To 1,000, Deduct	*-162.43*	
		For >1,000, Deduct	*-205.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0075	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,162.55	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*53.64*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*95.01*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-58.13*	
		For >100 To 250, Deduct	*-87.19*	
		For >250 To 500, Deduct	*-136.88*	
		For >500 To 1,000, Deduct	*-186.56*	
		For >1,000, Deduct	*-236.25*	
26 56 19 00-0076	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,162.55	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*53.64*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*95.01*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-58.13*	
		For >100 To 250, Deduct	*-87.19*	
		For >250 To 500, Deduct	*-136.88*	
		For >500 To 1,000, Deduct	*-186.56*	
		For >1,000, Deduct	*-236.25*	
26 56 19 00-0077	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	647.85	168.83
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-32.39*	
		For >100 To 250, Deduct	*-48.59*	
		For >250 To 500, Deduct	*-72.54*	
		For >500 To 1,000, Deduct	*-96.49*	
		For >1,000, Deduct	*-120.44*	
26 56 19 00-0078	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	647.85	168.83
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-32.39*	
		For >100 To 250, Deduct	*-48.59*	
		For >250 To 500, Deduct	*-72.54*	
		For >500 To 1,000, Deduct	*-96.49*	
		For >1,000, Deduct	*-120.44*	
26 56 19 00-0079	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	682.32	168.83
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-34.12*	
		For >100 To 250, Deduct	*-51.17*	
		For >250 To 500, Deduct	*-76.85*	
		For >500 To 1,000, Deduct	*-102.52*	
		For >1,000, Deduct	*-128.20*	
26 56 19 00-0080	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	682.32	168.83
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-34.12*	
		For >100 To 250, Deduct	*-51.17*	
		For >250 To 500, Deduct	*-76.85*	
		For >500 To 1,000, Deduct	*-102.52*	
		For >1,000, Deduct	*-128.20*	
26 56 19 00-0081	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	693.80	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-34.69*	
		For >100 To 250, Deduct	*-52.04*	
		For >250 To 500, Deduct	*-78.28*	
		For >500 To 1,000, Deduct	*-104.53*	
		For >1,000, Deduct	*-130.78*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0082	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	693.80	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-34.69*	
		For >100 To 250, Deduct	*-52.04*	
		For >250 To 500, Deduct	*-78.28*	
		For >500 To 1,000, Deduct	*-104.53*	
		For >1,000, Deduct	*-130.78*	

26 56 19 00-0083 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0047)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0084	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	670.83	168.83
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*71.59*	
		For Bird Spikes, Add	*95.66*	
		For >50 To 100, Deduct	*-33.54*	
		For >100 To 250, Deduct	*-50.31*	
		For >250 To 500, Deduct	*-75.41*	
		For >500 To 1,000, Deduct	*-100.51*	
		For >1,000, Deduct	*-125.61*	
26 56 19 00-0085	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	670.83	168.83
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*71.59*	
		For Bird Spikes, Add	*95.66*	
		For >50 To 100, Deduct	*-33.54*	
		For >100 To 250, Deduct	*-50.31*	
		For >250 To 500, Deduct	*-75.41*	
		For >500 To 1,000, Deduct	*-100.51*	
		For >1,000, Deduct	*-125.61*	
26 56 19 00-0086	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	693.80	168.83
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*71.59*	
		For Bird Spikes, Add	*95.66*	
		For >50 To 100, Deduct	*-34.69*	
		For >100 To 250, Deduct	*-52.04*	
		For >250 To 500, Deduct	*-78.28*	
		For >500 To 1,000, Deduct	*-104.53*	
		For >1,000, Deduct	*-130.78*	
26 56 19 00-0087	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	693.80	168.83
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*71.59*	
		For Bird Spikes, Add	*95.66*	
		For >50 To 100, Deduct	*-34.69*	
		For >100 To 250, Deduct	*-52.04*	
		For >250 To 500, Deduct	*-78.28*	
		For >500 To 1,000, Deduct	*-104.53*	
		For >1,000, Deduct	*-130.78*	

26 56 19 00-0088 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0034)*

26 56 19 00-0089 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0088)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0090	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,060.64	168.83
		For >50 To 100, Deduct	*-53.03*	
		For >100 To 250, Deduct	*-79.55*	
		For >250 To 500, Deduct	*-124.14*	
		For >500 To 1,000, Deduct	*-168.73*	
		For >1,000, Deduct	*-213.32*	
26 56 19 00-0091	EA	2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,440.46	187.59
		For >50 To 100, Deduct	*-72.02*	
		For >100 To 250, Deduct	*-108.03*	
		For >250 To 500, Deduct	*-170.68*	
		For >500 To 1,000, Deduct	*-233.32*	
		For >1,000, Deduct	*-295.97*	
26 56 19 00-0092	EA	3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,544.10	215.72
		For >50 To 100, Deduct	*-77.21*	
		For >100 To 250, Deduct	*-115.81*	
		For >250 To 500, Deduct	*-182.23*	
		For >500 To 1,000, Deduct	*-248.65*	
		For >1,000, Deduct	*-315.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0093	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,303.50	234.48
		For >50 To 100, Deduct	*-115.18*	
		For >100 To 250, Deduct	*-172.76*	
		For >250 To 500, Deduct	*-276.21*	
		For >500 To 1,000, Deduct	*-379.66*	
		For >1,000, Deduct	*-483.12*	
26 56 19 00-0094	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	3,023.99	266.94
		For >50 To 100, Deduct	*-151.20*	
		For >100 To 250, Deduct	*-226.80*	
		For >250 To 500, Deduct	*-364.65*	
		For >500 To 1,000, Deduct	*-502.50*	
		For >1,000, Deduct	*-640.36*	

26 56 19 00-0095 LED Roadway Lighting (PlanLED) *(26 56 19 00-0034)*

26 56 19 00-0096 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0097	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,277.40	164.13
		For >50 To 100, Deduct	*-63.87*	
		For >100 To 250, Deduct	*-95.81*	
		For >250 To 500, Deduct	*-151.47*	
		For >500 To 1,000, Deduct	*-207.13*	
		For >1,000, Deduct	*-262.79*	
26 56 19 00-0098	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,390.36	165.94
		For >50 To 100, Deduct	*-69.52*	
		For >100 To 250, Deduct	*-104.28*	
		For >250 To 500, Deduct	*-165.50*	
		For >500 To 1,000, Deduct	*-226.72*	
		For >1,000, Deduct	*-287.94*	
26 56 19 00-0099	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,479.23	168.83
		For >50 To 100, Deduct	*-73.96*	
		For >100 To 250, Deduct	*-110.94*	
		For >250 To 500, Deduct	*-176.46*	
		For >500 To 1,000, Deduct	*-241.98*	
		For >1,000, Deduct	*-307.50*	

26 56 19 00-0100 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0101	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	838.63	160.17
		For >50 To 100, Deduct	*-41.93*	
		For >100 To 250, Deduct	*-62.90*	
		For >250 To 500, Deduct	*-96.82*	
		For >500 To 1,000, Deduct	*-130.74*	
		For >1,000, Deduct	*-164.67*	
26 56 19 00-0102	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	899.09	163.05
		For >50 To 100, Deduct	*-44.95*	
		For >100 To 250, Deduct	*-67.43*	
		For >250 To 500, Deduct	*-104.23*	
		For >500 To 1,000, Deduct	*-141.04*	
		For >1,000, Deduct	*-177.84*	
26 56 19 00-0103	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	994.52	165.94
		For >50 To 100, Deduct	*-49.73*	
		For >100 To 250, Deduct	*-74.59*	
		For >250 To 500, Deduct	*-116.02*	
		For >500 To 1,000, Deduct	*-157.45*	
		For >1,000, Deduct	*-198.88*	

26 56 19 00-0104 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0105	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	1,057.94	165.94
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*94.53*	
		For >50 To 100, Deduct	*-52.90*	
		For >100 To 250, Deduct	*-79.35*	
		For >250 To 500, Deduct	*-123.95*	
		For >500 To 1,000, Deduct	*-168.55*	
		For >1,000, Deduct	*-213.15*	
26 56 19 00-0106	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	1,174.55	167.38
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*28.56*	
		For >50 To 100, Deduct	*-58.73*	
		For >100 To 250, Deduct	*-88.09*	
		For >250 To 500, Deduct	*-138.45*	
		For >500 To 1,000, Deduct	*-188.81*	
		For >1,000, Deduct	*-239.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0107	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	1,264.91	168.83
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*118.07*	
		For >50 To 100, Deduct	*-63.25*	
		For >100 To 250, Deduct	*-94.87*	
		For >250 To 500, Deduct	*-149.67*	
		For >500 To 1,000, Deduct	*-204.48*	
		For >1,000, Deduct	*-259.28*	

26 56 19 00-0108 LED Roadway Lighting (General Electric) *(26 56 19 00-0034)*

26 56 19 00-0109 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric)

(26 56 19 00-0108)

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

26 56 19 00-0110	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	638.31	159.44
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-31.92*	
		For >100 To 250, Deduct	*-47.87*	
		For >250 To 500, Deduct	*-71.82*	
		For >500 To 1,000, Deduct	*-95.76*	
		For >1,000, Deduct	*-119.70*	
26 56 19 00-0111	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	642.64	161.61
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-32.13*	
		For >100 To 250, Deduct	*-48.20*	
		For >250 To 500, Deduct	*-72.25*	
		For >500 To 1,000, Deduct	*-96.30*	
		For >1,000, Deduct	*-120.35*	
26 56 19 00-0112	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	669.78	164.13
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-33.49*	
		For >100 To 250, Deduct	*-50.23*	
		For >250 To 500, Deduct	*-75.52*	
		For >500 To 1,000, Deduct	*-100.80*	
		For >1,000, Deduct	*-126.08*	
26 56 19 00-0113	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	697.50	165.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-34.88*	
		For >100 To 250, Deduct	*-52.31*	
		For >250 To 500, Deduct	*-78.89*	
		For >500 To 1,000, Deduct	*-105.47*	
		For >1,000, Deduct	*-132.05*	
26 56 19 00-0114	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	771.00	169.55
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-38.55*	
		For >100 To 250, Deduct	*-57.83*	
		For >250 To 500, Deduct	*-87.90*	
		For >500 To 1,000, Deduct	*-117.97*	
		For >1,000, Deduct	*-148.04*	
26 56 19 00-0115	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	810.05	170.99
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-40.50*	
		For >100 To 250, Deduct	*-60.75*	
		For >250 To 500, Deduct	*-92.71*	
		For >500 To 1,000, Deduct	*-124.66*	
		For >1,000, Deduct	*-156.61*	
26 56 19 00-0116	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	883.41	173.52
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-44.17*	
		For >100 To 250, Deduct	*-66.26*	
		For >250 To 500, Deduct	*-101.75*	
		For >500 To 1,000, Deduct	*-137.25*	
		For >1,000, Deduct	*-172.74*	
26 56 19 00-0117	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	1,039.43	178.20
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-51.97*	
		For >100 To 250, Deduct	*-77.96*	
		For >250 To 500, Deduct	*-121.02*	
		For >500 To 1,000, Deduct	*-164.08*	
		For >1,000, Deduct	*-207.14*	
26 56 19 00-0118	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	1,218.90	187.59
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-60.95*	
		For >100 To 250, Deduct	*-91.42*	
		For >250 To 500, Deduct	*-142.98*	
		For >500 To 1,000, Deduct	*-194.55*	
		For >1,000, Deduct	*-246.12*	

26 56 19 00-0119 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0034)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0120		Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0119)* Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0121	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	1,238.09	164.13
		For >50 To 100, Deduct	*-61.90*	
		For >100 To 250, Deduct	*-92.86*	
		For >250 To 500, Deduct	*-146.55*	
		For >500 To 1,000, Deduct	*-200.25*	
		For >1,000, Deduct	*-253.95*	
26 56 19 00-0122	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,539.23	168.83
		For >50 To 100, Deduct	*-76.96*	
		For >100 To 250, Deduct	*-115.44*	
		For >250 To 500, Deduct	*-183.96*	
		For >500 To 1,000, Deduct	*-252.48*	
		For >1,000, Deduct	*-321.00*	
26 56 19 00-0123	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	2,149.55	173.52
		For >50 To 100, Deduct	*-107.48*	
		For >100 To 250, Deduct	*-161.22*	
		For >250 To 500, Deduct	*-260.02*	
		For >500 To 1,000, Deduct	*-358.82*	
		For >1,000, Deduct	*-457.62*	
26 56 19 00-0124	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	2,764.04	180.37
		For >50 To 100, Deduct	*-138.20*	
		For >100 To 250, Deduct	*-207.30*	
		For >250 To 500, Deduct	*-336.49*	
		For >500 To 1,000, Deduct	*-465.67*	
		For >1,000, Deduct	*-594.85*	
26 56 19 00-0125	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	3,364.67	185.42
		For >50 To 100, Deduct	*-168.23*	
		For >100 To 250, Deduct	*-252.35*	
		For >250 To 500, Deduct	*-411.31*	
		For >500 To 1,000, Deduct	*-570.28*	
		For >1,000, Deduct	*-729.24*	
26 56 19 00-0126		LED Roadway Lighting (Leotek) *(26 56 19 00-0034)*		
26 56 19 00-0127		Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0126)* Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0128	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	653.11	164.13
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-32.66*	
		For >100 To 250, Deduct	*-48.98*	
		For >250 To 500, Deduct	*-73.43*	
		For >500 To 1,000, Deduct	*-97.88*	
		For >1,000, Deduct	*-122.33*	
26 56 19 00-0129	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	667.27	165.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-33.36*	
		For >100 To 250, Deduct	*-50.05*	
		For >250 To 500, Deduct	*-75.11*	
		For >500 To 1,000, Deduct	*-100.18*	
		For >1,000, Deduct	*-125.24*	
26 56 19 00-0130	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	711.62	167.02
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-35.58*	
		For >100 To 250, Deduct	*-53.37*	
		For >250 To 500, Deduct	*-80.60*	
		For >500 To 1,000, Deduct	*-107.83*	
		For >1,000, Deduct	*-135.06*	
26 56 19 00-0131	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	825.85	173.52
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-41.29*	
		For >100 To 250, Deduct	*-61.94*	
		For >250 To 500, Deduct	*-94.56*	
		For >500 To 1,000, Deduct	*-127.17*	
		For >1,000, Deduct	*-159.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0132	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	966.00	178.20
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-48.30*	
		For >100 To 250, Deduct	*-72.45*	
		For >250 To 500, Deduct	*-111.84*	
		For >500 To 1,000, Deduct	*-151.23*	
		For >1,000, Deduct	*-190.62*	
26 56 19 00-0133	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	971.78	181.09
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-48.59*	
		For >100 To 250, Deduct	*-72.88*	
		For >250 To 500, Deduct	*-112.42*	
		For >500 To 1,000, Deduct	*-151.95*	
		For >1,000, Deduct	*-191.49*	
26 56 19 00-0134	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,190.59	183.98
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-59.53*	
		For >100 To 250, Deduct	*-89.29*	
		For >250 To 500, Deduct	*-139.63*	
		For >500 To 1,000, Deduct	*-189.96*	
		For >1,000, Deduct	*-240.29*	
26 56 19 00-0135	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,248.43	187.59
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-62.42*	
		For >100 To 250, Deduct	*-93.63*	
		For >250 To 500, Deduct	*-146.67*	
		For >500 To 1,000, Deduct	*-199.72*	
		For >1,000, Deduct	*-252.76*	
26 56 19 00-0136	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,393.43	190.46
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-69.67*	
		For >100 To 250, Deduct	*-104.51*	
		For >250 To 500, Deduct	*-164.66*	
		For >500 To 1,000, Deduct	*-224.80*	
		For >1,000, Deduct	*-284.95*	
26 56 19 00-0137	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,494.12	193.35
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-74.71*	
		For >100 To 250, Deduct	*-112.06*	
		For >250 To 500, Deduct	*-177.10*	
		For >500 To 1,000, Deduct	*-242.14*	
		For >1,000, Deduct	*-307.17*	
26 56 19 00-0138	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	755.86	165.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-37.79*	
		For >100 To 250, Deduct	*-56.69*	
		For >250 To 500, Deduct	*-86.19*	
		For >500 To 1,000, Deduct	*-115.68*	
		For >1,000, Deduct	*-145.18*	
26 56 19 00-0139	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	829.90	170.27
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-41.50*	
		For >100 To 250, Deduct	*-62.24*	
		For >250 To 500, Deduct	*-95.22*	
		For >500 To 1,000, Deduct	*-128.21*	
		For >1,000, Deduct	*-161.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0140	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	895.46	173.52
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-44.77*	
		For >100 To 250, Deduct	*-67.16*	
		For >250 To 500, Deduct	*-103.26*	
		For >500 To 1,000, Deduct	*-139.35*	
		For >1,000, Deduct	*-175.45*	
26 56 19 00-0141	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	951.90	177.48
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-47.60*	
		For >100 To 250, Deduct	*-71.39*	
		For >250 To 500, Deduct	*-110.11*	
		For >500 To 1,000, Deduct	*-148.83*	
		For >1,000, Deduct	*-187.56*	
26 56 19 00-0142	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	1,009.64	178.92
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-50.48*	
		For >100 To 250, Deduct	*-75.72*	
		For >250 To 500, Deduct	*-117.26*	
		For >500 To 1,000, Deduct	*-158.79*	
		For >1,000, Deduct	*-200.33*	
26 56 19 00-0143	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,201.92	185.42
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-60.10*	
		For >100 To 250, Deduct	*-90.14*	
		For >250 To 500, Deduct	*-140.97*	
		For >500 To 1,000, Deduct	*-191.79*	
		For >1,000, Deduct	*-242.62*	
26 56 19 00-0144	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,358.90	189.03
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-67.95*	
		For >100 To 250, Deduct	*-101.92*	
		For >250 To 500, Deduct	*-160.41*	
		For >500 To 1,000, Deduct	*-218.91*	
		For >1,000, Deduct	*-277.40*	
26 56 19 00-0145	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,444.71	189.75
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-72.24*	
		For >100 To 250, Deduct	*-108.35*	
		For >250 To 500, Deduct	*-171.10*	
		For >500 To 1,000, Deduct	*-233.85*	
		For >1,000, Deduct	*-296.60*	
26 56 19 00-0146	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,527.09	191.91
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-76.35*	
		For >100 To 250, Deduct	*-114.53*	
		For >250 To 500, Deduct	*-181.29*	
		For >500 To 1,000, Deduct	*-248.05*	
		For >1,000, Deduct	*-314.81*	
26 56 19 00-0147	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	811.47	181.09
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-40.57*	
		For >100 To 250, Deduct	*-60.86*	
		For >250 To 500, Deduct	*-92.38*	
		For >500 To 1,000, Deduct	*-123.90*	
		For >1,000, Deduct	*-155.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0148	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	878.36	182.89
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-43.92*	
		For >100 To 250, Deduct	*-65.88*	
		For >250 To 500, Deduct	*-100.65*	
		For >500 To 1,000, Deduct	*-135.42*	
		For >1,000, Deduct	*-170.20*	
26 56 19 00-0149	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	624.36	165.57
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-31.22*	
		For >100 To 250, Deduct	*-46.83*	
		For >250 To 500, Deduct	*-69.77*	
		For >500 To 1,000, Deduct	*-92.71*	
		For >1,000, Deduct	*-115.64*	
26 56 19 00-0150	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	635.69	167.02
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-31.78*	
		For >100 To 250, Deduct	*-47.68*	
		For >250 To 500, Deduct	*-71.11*	
		For >500 To 1,000, Deduct	*-94.54*	
		For >1,000, Deduct	*-117.98*	
26 56 19 00-0151	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	690.68	170.27
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-34.53*	
		For >100 To 250, Deduct	*-51.80*	
		For >250 To 500, Deduct	*-77.82*	
		For >500 To 1,000, Deduct	*-103.84*	
		For >1,000, Deduct	*-129.86*	
26 56 19 00-0152	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	1,061.92	183.98
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-53.10*	
		For >100 To 250, Deduct	*-79.64*	
		For >250 To 500, Deduct	*-123.54*	
		For >500 To 1,000, Deduct	*-167.44*	
		For >1,000, Deduct	*-211.34*	
26 56 19 00-0153	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	1,385.65	189.75
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-69.28*	
		For >100 To 250, Deduct	*-103.92*	
		For >250 To 500, Deduct	*-163.72*	
		For >500 To 1,000, Deduct	*-223.51*	
		For >1,000, Deduct	*-283.31*	
26 56 19 00-0154	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	1,235.22	190.46
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-61.76*	
		For >100 To 250, Deduct	*-92.64*	
		For >250 To 500, Deduct	*-144.88*	
		For >500 To 1,000, Deduct	*-197.12*	
		For >1,000, Deduct	*-249.35*	
26 56 19 00-0155	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	599.77	165.94
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-29.99*	
		For >100 To 250, Deduct	*-44.98*	
		For >250 To 500, Deduct	*-66.67*	
		For >500 To 1,000, Deduct	*-88.37*	
		For >1,000, Deduct	*-110.06*	

26 56 19 00-0156 LED, Area Fixtures *(26 56 19)*

26 56 19 00-0157 Pole Mount, LED Area Fixtures *(26 56 19 00-0156)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0158		Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 19 00-0157)* Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0159	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,504.60	122.65
		For >50 To 100, Deduct	*-125.23*	
		For >100 To 250, Deduct	*-187.85*	
		For >250 To 500, Deduct	*-306.94*	
		For >500 To 1,000, Deduct	*-426.04*	
		For >1,000, Deduct	*-545.14*	
26 56 19 00-0160	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,699.78	129.87
		For >50 To 100, Deduct	*-134.99*	
		For >100 To 250, Deduct	*-202.48*	
		For >250 To 500, Deduct	*-330.98*	
		For >500 To 1,000, Deduct	*-459.48*	
		For >1,000, Deduct	*-587.97*	
26 56 19 00-0161	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,909.38	144.29
		For >50 To 100, Deduct	*-145.47*	
		For >100 To 250, Deduct	*-218.20*	
		For >250 To 500, Deduct	*-356.46*	
		For >500 To 1,000, Deduct	*-494.71*	
		For >1,000, Deduct	*-632.97*	
26 56 19 00-0162	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,923.81	151.51
		For >50 To 100, Deduct	*-146.19*	
		For >100 To 250, Deduct	*-219.29*	
		For >250 To 500, Deduct	*-357.90*	
		For >500 To 1,000, Deduct	*-496.52*	
		For >1,000, Deduct	*-635.13*	
26 56 19 00-0163		Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 19 00-0157)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0164	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,395.27	129.87
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*44.18*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-69.76*	
		For >100 To 250, Deduct	*-104.65*	
		For >250 To 500, Deduct	*-167.92*	
		For >500 To 1,000, Deduct	*-231.19*	
		For >1,000, Deduct	*-294.46*	
26 56 19 00-0165	EA	60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,682.45	137.08
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*44.90*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-84.12*	
		For >100 To 250, Deduct	*-126.18*	
		For >250 To 500, Deduct	*-203.45*	
		For >500 To 1,000, Deduct	*-280.72*	
		For >1,000, Deduct	*-357.99*	
26 56 19 00-0166	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,079.10	144.29
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*45.62*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-103.96*	
		For >100 To 250, Deduct	*-155.93*	
		For >250 To 500, Deduct	*-252.67*	
		For >500 To 1,000, Deduct	*-349.41*	
		For >1,000, Deduct	*-446.15*	
26 56 19 00-0167	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,366.29	151.51
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*46.34*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-118.31*	
		For >100 To 250, Deduct	*-177.47*	
		For >250 To 500, Deduct	*-288.21*	
		For >500 To 1,000, Deduct	*-398.95*	
		For >1,000, Deduct	*-509.69*	
26 56 19 00-0168	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,653.46	158.72
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*47.06*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-132.67*	
		For >100 To 250, Deduct	*-199.01*	
		For >250 To 500, Deduct	*-323.75*	
		For >500 To 1,000, Deduct	*-448.48*	
		For >1,000, Deduct	*-573.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0169	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,027.86	165.94
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*47.78*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-151.39*	
		For >100 To 250, Deduct	*-227.09*	
		For >250 To 500, Deduct	*-370.19*	
		For >500 To 1,000, Deduct	*-513.28*	
		For >1,000, Deduct	*-656.38*	
26 56 19 00-0170	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,315.04	173.15
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*48.51*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-165.75*	
		For >100 To 250, Deduct	*-248.63*	
		For >250 To 500, Deduct	*-405.72*	
		For >500 To 1,000, Deduct	*-562.82*	
		For >1,000, Deduct	*-719.91*	

26 56 19 00-0171 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0157)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0172	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,452.07	158.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*50.34*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.84*	
		For >50 To 100, Deduct	*-122.60*	
		For >100 To 250, Deduct	*-183.91*	
		For >250 To 500, Deduct	*-298.57*	
		For >500 To 1,000, Deduct	*-413.24*	
		For >1,000, Deduct	*-527.91*	
26 56 19 00-0173	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	4,132.67	194.80
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Bird Spikes, Add	*74.64*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For 480 Volt, Add	*196.94*	
		For >50 To 100, Deduct	*-206.63*	
		For >100 To 250, Deduct	*-309.95*	
		For >250 To 500, Deduct	*-506.84*	
		For >500 To 1,000, Deduct	*-703.74*	
		For >1,000, Deduct	*-900.63*	

26 56 19 00-0174 Wall Mount, LED Area Fixtures *(26 56 19 00-0156)*

26 56 19 00-0175 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0174)*

Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0176	EA	20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,114.68	122.65
		For >50 To 100, Deduct	*-55.73*	
		For >100 To 250, Deduct	*-83.60*	
		For >250 To 500, Deduct	*-133.20*	
		For >500 To 1,000, Deduct	*-182.80*	
		For >1,000, Deduct	*-232.41*	
26 56 19 00-0177	EA	30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,143.54	137.08
		For >50 To 100, Deduct	*-57.18*	
		For >100 To 250, Deduct	*-85.77*	
		For >250 To 500, Deduct	*-136.09*	
		For >500 To 1,000, Deduct	*-186.41*	
		For >1,000, Deduct	*-236.73*	

26 56 19 00-0178 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0156)*

26 56 19 00-0179 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0178)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0180	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,231.99	129.87
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-61.60*	
		For >100 To 250, Deduct	*-92.40*	
		For >250 To 500, Deduct	*-147.51*	
		For >500 To 1,000, Deduct	*-202.61*	
		For >1,000, Deduct	*-257.72*	
26 56 19 00-0181	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,519.17	137.08
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-75.96*	
		For >100 To 250, Deduct	*-113.94*	
		For >250 To 500, Deduct	*-183.04*	
		For >500 To 1,000, Deduct	*-252.15*	
		For >1,000, Deduct	*-321.25*	
26 56 19 00-0182	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,806.35	144.29
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-90.32*	
		For >100 To 250, Deduct	*-135.48*	
		For >250 To 500, Deduct	*-218.58*	
		For >500 To 1,000, Deduct	*-301.68*	
		For >1,000, Deduct	*-384.78*	
26 56 19 00-0183	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	2,093.53	151.51
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-104.68*	
		For >100 To 250, Deduct	*-157.01*	
		For >250 To 500, Deduct	*-254.12*	
		For >500 To 1,000, Deduct	*-351.22*	
		For >1,000, Deduct	*-448.32*	

26 56 19 00-0184 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 19 00-0178)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0185	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,187.46	129.87
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-59.37*	
		For >100 To 250, Deduct	*-89.06*	
		For >250 To 500, Deduct	*-141.94*	
		For >500 To 1,000, Deduct	*-194.82*	
		For >1,000, Deduct	*-247.70*	
26 56 19 00-0186	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,311.36	137.08
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-65.57*	
		For >100 To 250, Deduct	*-98.35*	
		For >250 To 500, Deduct	*-157.07*	
		For >500 To 1,000, Deduct	*-215.78*	
		For >1,000, Deduct	*-274.49*	

26 56 19 00-0187 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 19 00-0178)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0188	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	1,040.47	129.87
		For >50 To 100, Deduct	*-52.02*	
		For >100 To 250, Deduct	*-78.04*	
		For >250 To 500, Deduct	*-123.57*	
		For >500 To 1,000, Deduct	*-169.10*	
		For >1,000, Deduct	*-214.63*	

26 56 19 00-0189 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 19 00-0178)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0190	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,064.78	137.08
		For >50 To 100, Deduct	*-103.24*	
		For >100 To 250, Deduct	*-154.86*	
		For >250 To 500, Deduct	*-251.24*	
		For >500 To 1,000, Deduct	*-347.63*	
		For >1,000, Deduct	*-444.01*	
26 56 19 00-0191	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,093.64	151.51
		For >50 To 100, Deduct	*-104.68*	
		For >100 To 250, Deduct	*-157.02*	
		For >250 To 500, Deduct	*-254.13*	
		For >500 To 1,000, Deduct	*-351.24*	
		For >1,000, Deduct	*-448.34*	

26 56 19 00-0192 Surface Mount, LED Canopy Fixtures *(26 56 19 00-0156)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0193		Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 19 00-0192)* Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0194	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,428.67	129.87
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-71.43*	
		For >100 To 250, Deduct	*-107.15*	
		For >250 To 500, Deduct	*-172.09*	
		For >500 To 1,000, Deduct	*-237.03*	
		For >1,000, Deduct	*-301.97*	
26 56 19 00-0195	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,715.85	137.08
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-85.79*	
		For >100 To 250, Deduct	*-128.69*	
		For >250 To 500, Deduct	*-207.63*	
		For >500 To 1,000, Deduct	*-286.57*	
		For >1,000, Deduct	*-365.50*	
26 56 19 00-0196	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,003.03	144.29
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-100.15*	
		For >100 To 250, Deduct	*-150.23*	
		For >250 To 500, Deduct	*-243.16*	
		For >500 To 1,000, Deduct	*-336.10*	
		For >1,000, Deduct	*-429.04*	
26 56 19 00-0197	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,290.21	151.51
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-114.51*	
		For >100 To 250, Deduct	*-171.77*	
		For >250 To 500, Deduct	*-278.70*	
		For >500 To 1,000, Deduct	*-385.64*	
		For >1,000, Deduct	*-492.57*	
26 56 19 00-0198	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,577.38	158.72
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-128.87*	
		For >100 To 250, Deduct	*-193.30*	
		For >250 To 500, Deduct	*-314.24*	
		For >500 To 1,000, Deduct	*-435.17*	
		For >1,000, Deduct	*-556.10*	
26 56 19 00-0199	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,974.05	165.94
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-148.70*	
		For >100 To 250, Deduct	*-223.05*	
		For >250 To 500, Deduct	*-363.46*	
		For >500 To 1,000, Deduct	*-503.86*	
		For >1,000, Deduct	*-644.27*	
26 56 19 00-0200	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,261.23	173.15
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-163.06*	
		For >100 To 250, Deduct	*-244.59*	
		For >250 To 500, Deduct	*-399.00*	
		For >500 To 1,000, Deduct	*-553.40*	
		For >1,000, Deduct	*-707.80*	
26 56 19 00-0201	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,835.58	187.59
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-191.78*	
		For >100 To 250, Deduct	*-287.67*	
		For >250 To 500, Deduct	*-470.07*	
		For >500 To 1,000, Deduct	*-652.47*	
		For >1,000, Deduct	*-834.87*	
26 56 19 00-0202	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	4,395.52	194.80
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-219.78*	
		For >100 To 250, Deduct	*-329.66*	
		For >250 To 500, Deduct	*-539.70*	
		For >500 To 1,000, Deduct	*-749.74*	
		For >1,000, Deduct	*-959.77*	
26 56 19 00-0203		Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 19 00-0192)* Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0204	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	988.10	144.29
		For >50 To 100, Deduct	*-49.41*	
		For >100 To 250, Deduct	*-74.11*	
		For >250 To 500, Deduct	*-116.30*	
		For >500 To 1,000, Deduct	*-158.49*	
		For >1,000, Deduct	*-200.68*	
26 56 19 00-0205		Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0156)*		
26 56 19 00-0206		Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0205)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0207		EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,209.72	129.87
			For >50 To 100, Deduct	*-60.49*	
			For >100 To 250, Deduct	*-90.73*	
			For >250 To 500, Deduct	*-144.72*	
			For >500 To 1,000, Deduct	*-198.71*	
			For >1,000, Deduct	*-252.71*	
26 56 19 00-0208		EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,333.62	137.08
			For >50 To 100, Deduct	*-66.68*	
			For >100 To 250, Deduct	*-100.02*	
			For >250 To 500, Deduct	*-159.85*	
			For >500 To 1,000, Deduct	*-219.68*	
			For >1,000, Deduct	*-279.50*	

26 56 19 00-0209 Surface Mount, LED Area Fixtures *(26 56 19 00-0156)*

26 56 19 00-0210 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0209)*

Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.

26 56 19 00-0211		EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	681.20	129.87
			For >50 To 100, Deduct	*-34.06*	
			For >100 To 250, Deduct	*-51.09*	
			For >250 To 500, Deduct	*-78.66*	
			For >500 To 1,000, Deduct	*-106.22*	
			For >1,000, Deduct	*-133.79*	
26 56 19 00-0212		EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,505.47	129.87
			For >50 To 100, Deduct	*-75.27*	
			For >100 To 250, Deduct	*-112.91*	
			For >250 To 500, Deduct	*-181.69*	
			For >500 To 1,000, Deduct	*-250.47*	
			For >1,000, Deduct	*-319.25*	
26 56 19 00-0213		EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,252.53	144.29
			For >50 To 100, Deduct	*-62.63*	
			For >100 To 250, Deduct	*-93.94*	
			For >250 To 500, Deduct	*-149.35*	
			For >500 To 1,000, Deduct	*-204.76*	
			For >1,000, Deduct	*-260.18*	
26 56 19 00-0214		EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,549.98	144.29
			For >50 To 100, Deduct	*-77.50*	
			For >100 To 250, Deduct	*-116.25*	
			For >250 To 500, Deduct	*-186.53*	
			For >500 To 1,000, Deduct	*-256.82*	
			For >1,000, Deduct	*-327.10*	

26 56 19 00-0215 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0209)*

Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.

26 56 19 00-0216		EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	219.95	46.68
			For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
			For >50 To 100, Deduct	*-11.00*	
			For >100 To 250, Deduct	*-16.50*	
			For >250 To 500, Deduct	*-25.55*	
			For >500 To 1,000, Deduct	*-34.60*	
			For >1,000, Deduct	*-43.65*	
26 56 19 00-0217		EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	250.11	46.68
			For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
			For >50 To 100, Deduct	*-12.51*	
			For >100 To 250, Deduct	*-18.76*	
			For >250 To 500, Deduct	*-29.32*	
			For >500 To 1,000, Deduct	*-39.88*	
			For >1,000, Deduct	*-50.44*	
26 56 19 00-0218		EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	307.55	46.68
			For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
			For >50 To 100, Deduct	*-15.38*	
			For >100 To 250, Deduct	*-23.07*	
			For >250 To 500, Deduct	*-36.50*	
			For >500 To 1,000, Deduct	*-49.93*	
			For >1,000, Deduct	*-63.36*	

26 56 19 00-0219 Surface Mount, LED Facade Fixtures *(26 56 19 00-0156)*

26 56 19 00-0220 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0219)*

26 56 19 00-0221		EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	784.96	54.49
			For >50 To 100, Deduct	*-39.25*	
			For >100 To 250, Deduct	*-58.87*	
			For >250 To 500, Deduct	*-96.05*	
			For >500 To 1,000, Deduct	*-133.22*	
			For >1,000, Deduct	*-170.40*	
26 56 19 00-0222		EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,279.42	49.76
			For >50 To 100, Deduct	*-63.97*	
			For >100 To 250, Deduct	*-95.96*	
			For >250 To 500, Deduct	*-158.15*	
			For >500 To 1,000, Deduct	*-220.34*	
			For >1,000, Deduct	*-282.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0223	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,634.13	41.46
		For >50 To 100, Deduct	*-81.71*	
		For >100 To 250, Deduct	*-122.56*	
		For >250 To 500, Deduct	*-202.79*	
		For >500 To 1,000, Deduct	*-283.01*	
		For >1,000, Deduct	*-363.24*	
26 56 19 00-0224	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,988.81	33.17
		For >50 To 100, Deduct	*-99.44*	
		For >100 To 250, Deduct	*-149.16*	
		For >250 To 500, Deduct	*-247.42*	
		For >500 To 1,000, Deduct	*-345.67*	
		For >1,000, Deduct	*-443.93*	

26 56 19 00-0225 Post Top, LED Area Fixtures *(26 56 19 00-0156)*

26 56 19 00-0226 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 19 00-0225)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.

26 56 19 00-0227	EA	1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	2,198.45	198.40
		For >50 To 100, Deduct	*-109.92*	
		For >100 To 250, Deduct	*-164.88*	
		For >250 To 500, Deduct	*-264.89*	
		For >500 To 1,000, Deduct	*-364.89*	
		For >1,000, Deduct	*-464.89*	
26 56 19 00-0228	EA	3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	2,428.33	198.40
		For >50 To 100, Deduct	*-121.42*	
		For >100 To 250, Deduct	*-182.12*	
		For >250 To 500, Deduct	*-293.62*	
		For >500 To 1,000, Deduct	*-405.12*	
		For >1,000, Deduct	*-516.61*	
26 56 19 00-0229	EA	77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	2,610.04	198.40
		For >50 To 100, Deduct	*-130.50*	
		For >100 To 250, Deduct	*-195.75*	
		For >250 To 500, Deduct	*-316.33*	
		For >500 To 1,000, Deduct	*-436.92*	
		For >1,000, Deduct	*-557.50*	

26 56 19 00-0230 Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 19 00-0225)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0231	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	2,592.64	198.40
		For >50 To 100, Deduct	*-129.63*	
		For >100 To 250, Deduct	*-194.45*	
		For >250 To 500, Deduct	*-314.16*	
		For >500 To 1,000, Deduct	*-433.87*	
		For >1,000, Deduct	*-553.58*	
26 56 19 00-0232	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	2,651.70	198.40
		For >50 To 100, Deduct	*-132.59*	
		For >100 To 250, Deduct	*-198.88*	
		For >250 To 500, Deduct	*-321.54*	
		For >500 To 1,000, Deduct	*-444.21*	
		For >1,000, Deduct	*-566.87*	

26 56 19 00-0233 Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 19 00-0225)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0234	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,793.00	198.40
		For >50 To 100, Deduct	*-89.65*	
		For >100 To 250, Deduct	*-134.48*	
		For >250 To 500, Deduct	*-214.20*	
		For >500 To 1,000, Deduct	*-293.93*	
		For >1,000, Deduct	*-373.66*	
26 56 19 00-0235	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,881.39	198.40
		For >50 To 100, Deduct	*-94.07*	
		For >100 To 250, Deduct	*-141.10*	
		For >250 To 500, Deduct	*-225.25*	
		For >500 To 1,000, Deduct	*-309.40*	
		For >1,000, Deduct	*-393.55*	

26 56 19 00-0236 Post Top, LED Area Fixtures (General Electric EPST) *(26 56 19 00-0225)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0237	EA	3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	1,391.22	198.40
		For >50 To 100, Deduct	*-69.56*	
		For >100 To 250, Deduct	*-104.34*	
		For >250 To 500, Deduct	*-163.98*	
		For >500 To 1,000, Deduct	*-223.62*	
		For >1,000, Deduct	*-283.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0238	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	1,479.61	198.40
		For >50 To 100, Deduct	*-73.98*	
		For >100 To 250, Deduct	*-110.97*	
		For >250 To 500, Deduct	*-175.03*	
		For >500 To 1,000, Deduct	*-239.09*	
		For >1,000, Deduct	*-303.15*	

26 56 19 00-0239 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 19 00-0225)*

Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.

26 56 19 00-0240	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	3,224.52	198.40
		For >50 To 100, Deduct	*-161.23*	
		For >100 To 250, Deduct	*-241.84*	
		For >250 To 500, Deduct	*-393.14*	
		For >500 To 1,000, Deduct	*-544.45*	
		For >1,000, Deduct	*-695.76*	

26 56 19 00-0241 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) *(26 56 19 00-0225)*

Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 56 19 00-0242	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	894.29	108.22
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-44.71*	
		For >100 To 250, Deduct	*-67.07*	
		For >250 To 500, Deduct	*-106.38*	
		For >500 To 1,000, Deduct	*-145.68*	
		For >1,000, Deduct	*-184.98*	

26 56 19 00-0243 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 19 00-0225)*

Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 56 19 00-0244	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	561.09	23.09
		For Backlight Control Shield, Add	*43.68*	
		For >50 To 100, Deduct	*-28.05*	
		For >100 To 250, Deduct	*-42.08*	
		For >250 To 500, Deduct	*-67.83*	
		For >500 To 1,000, Deduct	*-93.57*	
		For >1,000, Deduct	*-119.32*	

26 56 19 00-0245 Surface Mount, LED Strip Fixtures (Sylvania) *(26 56 19 00-0156)*

26 56 19 00-0246	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	542.38	43.35
		For >50 To 100, Deduct	*-27.12*	
		For >100 To 250, Deduct	*-40.68*	
		For >250 To 500, Deduct	*-66.17*	
		For >500 To 1,000, Deduct	*-91.66*	
		For >1,000, Deduct	*-117.15*	

26 56 21 HID Exterior Lighting *(26 56)*

26 56 21 00-0001 High Mast Fixtures *(26 56 21)*

26 56 21 00-0002 Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*

26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,020.90	178.59
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,159.58	178.59
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,141.68	204.04
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,224.89	204.04
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,251.30	255.04
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,334.51	255.04

26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*

26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	2,087.71	178.59
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,170.92	178.59
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,526.21	188.80
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,588.21	204.04
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,739.43	255.04

26 56 21 00-0015 HID, Pole Mounted *(26 56 21)*

26 56 21 00-0016 Metal Halide, Pole Mounted *(26 56 21 00-0015)*

26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	760.23	291.22
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	856.74	316.12
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,000.65	340.06
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,265.62	398.55

26 56 21 00-0021 High Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	866.39	340.06
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	892.29	340.06
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	933.52	340.06
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,042.62	340.06
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,203.57	340.06
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,212.96	340.06
26 56 21 00-0028		**Low Pressure Sodium, Pole Mounted** *(26 56 21 00-0015)*		
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	771.33	184.99
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	827.81	272.05
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	977.11	272.05
26 56 21 00-0032		**Metal Halide, Area Fixtures** *(26 56 21)*		
26 56 21 00-0033		**Metal Halide, Pole Mount, Area Fixtures** *(26 56 21 00-0032)*		
		Note: Includes pulse start ballast.		
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	1,192.55	179.91
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	1,308.67	197.89
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	1,447.43	215.89
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,529.57	251.87
26 56 21 00-0038		**High Pressure Sodium, Area Fixtures** *(26 56 21)*		
26 56 21 00-0039		**Pole Mount, High Pressure Sodium Area Fixtures** *(26 56 21 00-0038)*		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	991.04	143.92
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,077.33	179.91
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,167.46	215.89
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,229.55	251.87
26 56 21 00-0044		**Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21)*		
26 56 21 00-0045		**Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21 00-0044)*		
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	713.52	272.05
		For Round Body, Add	*40.39*	
		For Spherical Dome Body, Add	*79.20*	
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	813.87	306.06
		For Round Body, Add	*49.08*	
		For Spherical Dome Body, Add	*96.24*	
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	976.84	340.06
		For Round Body, Add	*65.47*	
		For Spherical Dome Body, Add	*128.38*	
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,243.48	398.55
		For Round Body, Add	*74.24*	
		For Spherical Dome Body, Add	*145.57*	
26 56 21 00-0050		**High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21 00-0044)*		
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	687.51	232.60
		For Round Body, Add	*44.30*	
		For Spherical Dome Body, Add	*86.86*	
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	747.35	247.56
		For Round Body, Add	*49.48*	
		For Spherical Dome Body, Add	*97.01*	
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	805.83	261.16
		For Round Body, Add	*54.18*	
		For Spherical Dome Body, Add	*106.24*	
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	832.69	272.05
		For Round Body, Add	*55.58*	
		For Spherical Dome Body, Add	*108.99*	
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	925.07	306.06
		For Round Body, Add	*63.26*	
		For Spherical Dome Body, Add	*124.04*	
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	998.07	340.06
		For Round Body, Add	*68.18*	
		For Spherical Dome Body, Add	*133.68*	
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,370.87	398.55
		For Round Body, Add	*90.48*	
		For Spherical Dome Body, Add	*177.41*	
26 56 21 00-0058		**Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21)*		
26 56 21 00-0059		**High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	848.60	183.63
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	879.62	204.04
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	939.45	232.60
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	965.05	247.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	991.53	261.16
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,038.98	272.05
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,138.85	306.06
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,384.87	340.06

26 56 21 00-0068 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0058)*

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	934.08	204.04
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	985.63	232.60
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,018.97	247.56
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,062.03	261.16
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,085.23	272.05
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,187.47	306.06
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,514.08	340.06

26 56 21 00-0076 Wall Packs *(26 56 21)*

26 56 21 00-0077 Non-Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0076)*

Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.

26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	383.59	64.82
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	411.37	64.82
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	411.37	64.82
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	546.07	64.82

26 56 21 00-0082 Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0076)*

Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.

26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	763.49	64.82
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	773.49	64.82
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	782.13	64.82
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	766.37	64.82
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	701.54	64.82
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	665.94	64.82

26 56 21 00-0089 Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0076)*

Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.

26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	804.50	64.82
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	813.61	64.82
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	797.87	64.82
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	810.55	64.82
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	810.55	64.82

26 56 21 00-0095 Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 21 00-0076)*

Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.

26 56 21 00-0096	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	764.61	86.35
26 56 21 00-0097	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	764.61	86.35
26 56 21 00-0098	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	715.82	86.35
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	734.52	86.35
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	734.52	86.35
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	680.43	86.35

26 56 21 00-0102 Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 21 00-0076)*

Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.

26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	793.51	86.35
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	793.51	86.35
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	793.51	86.35
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	764.82	86.35
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	764.82	86.35
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	764.82	86.35

26 56 21 00-0109 Full Cutoff, Tempered Glass Lens, Small Wall Packs *(26 56 21 00-0076)*

Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.

26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,027.02	86.35

26 56 21 00-0111 Cutoff, Borosilicate Glass Lens, Medium Wall Packs *(26 56 21 00-0076)*

Note: Aluminum body and reflector. Lithonia TWR2.

26 56 21 00-0112	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	963.66	106.97
26 56 21 00-0113	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,029.80	106.97
26 56 21 00-0114	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	1,108.65	106.97
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,130.35	106.97

26 56 21 00-0116 Cutoff, Tempered Glass Lens, Medium Wall Packs *(26 56 21 00-0076)*

Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,048.73	106.97
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,123.04	106.97
26 56 21 00-0119		**Non-Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	966.12	129.66
26 56 21 00-0121	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	887.41	129.66
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	947.90	129.66
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	953.93	129.66
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	960.24	129.66
26 56 21 00-0125		**Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	966.14	129.66
26 56 21 00-0127	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	992.40	129.66
26 56 21 00-0128	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,071.11	129.66
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,018.64	129.66
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,044.91	129.66
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,097.33	129.66
26 56 21 00-0132		**Semi-Cutoff, Induction Wall Packs** *(26 56 21 00-0076)*		
26 56 21 00-0133		**Semi-Cutoff, Induction Wall Packs (Everlast®)** *(26 56 21 00-0132)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,250.77	122.65
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,276.40	129.87
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,302.03	137.08
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,450.90	144.29
26 56 21 00-0138		**Non-Cutoff, Polycarbonate Lens, Small Wall Packs** *(26 56 21 00-0076)*		
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	395.83	64.82
26 56 21 00-0140		**Induction, Roadway Lighting** *(26 56 21)*		
26 56 21 00-0141		**Induction Roadway Lighting (US Lighting Tech)** *(26 56 21 00-0140)*		
		Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	695.19	216.44
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	761.06	223.66
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	789.93	238.09
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	818.78	252.52
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	951.51	259.73
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	970.05	266.94
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	651.99	216.44
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	724.03	223.66
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	752.90	238.09
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	781.75	252.52
26 56 21 00-0152		**Induction, Area Fixtures** *(26 56 21)*		
26 56 21 00-0153		**Post Top, Induction Area Fixtures** *(26 56 21 00-0152)*		
26 56 21 00-0154		**Post Top, Induction Area Fixtures (US Lighting Tech)** *(26 56 21 00-0153)*		
		Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	768.17	198.40
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	827.83	198.40
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	827.83	198.40
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	827.83	198.40
26 56 21 00-0159		**Surface Mount, Induction Parking Structure Fixtures** *(26 56 21 00-0152)*		
26 56 21 00-0160		**Surface Mount, Induction Parking Structure Fixtures (Everlast®)** *(26 56 21 00-0159)*		
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	697.89	180.37
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	740.08	183.98
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	751.40	187.59
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	762.74	191.19
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	774.06	194.80
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	789.51	198.40
26 56 21 00-0167	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	811.07	187.59
26 56 21 00-0168	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	822.40	191.19
26 56 21 00-0169	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	833.73	194.80
26 56 21 00-0170	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	866.66	198.40
26 56 21 00-0171		**Pole Mount, Induction Area Fixtures** *(26 56 21 00-0152)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0172		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0171)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,306.78	122.65
26 56 21 00-0174	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,343.62	129.87
26 56 21 00-0175	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,380.45	137.08

END OF SECTION 26

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.	1,088.31	132.72
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.	1,391.97	177.00
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.	2,204.05	265.42
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	13.15	1.95
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	86.79	35.06
27 05 26 00-0006	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar	193.63	35.06
27 05 26 00-0007	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	208.55	35.06
27 05 26 00-0008	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	394.74	35.06
27 05 26 00-0009	EA	#6 AWG, Cable Runway Ground Strap	78.59	6.49
27 05 26 00-0010	EA	1/4" Screw Size, #6 AWG Compression Lug	27.57	6.49
27 05 26 00-0011	EA	3/8" Screw Size, #6 AWG Compression Lug	29.36	6.49
27 05 26 00-0012	EA	Two Mounting Hole, Ground Terminal Block	32.69	6.49

27 05 29 Hangers and Supports for Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	10.12	3.24
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-2.31*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.72*	
		For Work In Restricted Working Space, Add	*1.95*	
		For Painted Powder Coated Finish, Add	*0.74*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	10.68	3.24
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-2.37*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.72*	
		For Work In Restricted Working Space, Add	*1.95*	
		For Painted Powder Coated Finish, Add	*2.58*	
		For Low Friction Xylan® Coated Finish, Add	*9.20*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	11.55	3.24
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.72*	
		For Work In Restricted Working Space, Add	*1.95*	
		For Painted Powder Coated Finish, Add	*3.17*	
		For Low Friction Xylan® Coated Finish, Add	*11.44*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	19.08	3.24
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.72*	
		For Work In Restricted Working Space, Add	*1.95*	
		For Painted Powder Coated Finish, Add	*1.69*	
		For Low Friction Xylan® Coated Finish, Add	*10.14*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	11.44	3.24
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.44*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.72*	
		For Work In Restricted Working Space, Add	*1.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	14.83	3.24
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.78*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.72*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	16.48	3.24
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.72*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	22.38	3.24
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-3.54*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.72*	
		For Work In Restricted Working Space, Add	*1.95*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	12.07	3.24
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.51*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	14.33	3.24
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.73*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	15.50	3.24
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.85*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	21.08	3.24
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-3.41*	
		For Work In Restricted Working Space, Add	*1.95*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	14.54	3.24
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.75*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	18.36	3.24
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-3.13*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	19.36	3.24
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-3.23*	
		For Work In Restricted Working Space, Add	*1.95*	

27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod. See CSI section 26 05 29 00-0403 for threaded rod.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	11.77	3.24
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.48*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	12.29	3.24
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.53*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	14.93	3.24
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.93*	
		For >500, Deduct	*-2.79*	
		For Work In Restricted Working Space, Add	*1.95*	

27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0403 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	14.63	3.24
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.76*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	15.87	3.24
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.89*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	22.03	3.24
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-3.50*	
		For Work In Restricted Working Space, Add	*1.95*	

27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	14.46	3.24
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.74*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	16.67	3.24
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-2.06*	
		For >500, Deduct	*-2.97*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	17.84	3.24
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-3.08*	
		For Work In Restricted Working Space, Add	*1.95*	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	24.27	3.24
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.73*	
		For Work In Restricted Working Space, Add	*1.95*	

27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.25	4.28
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 250, Deduct	*-2.71*	
		For >250 To 500, Deduct	*-4.72*	
		For >500, Deduct	*-6.72*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*3.34*	
		For Work In Restricted Working Space, Add	*3.89*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.08	4.28
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.75*	
		For >250 To 500, Deduct	*-4.78*	
		For >500, Deduct	*-6.80*	
		For Work In Restricted Working Space, Add	*3.89*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	46.38	4.28
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.97*	
		For >250 To 500, Deduct	*-5.10*	
		For >500, Deduct	*-7.23*	
		For Work In Restricted Working Space, Add	*3.89*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.11	4.28
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 250, Deduct	*-2.70*	
		For >250 To 500, Deduct	*-4.70*	
		For >500, Deduct	*-6.71*	
		For Work In Restricted Working Space, Add	*3.89*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	43.11	4.28
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-4.85*	
		For >500, Deduct	*-6.91*	
		For Work In Restricted Working Space, Add	*3.89*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	45.08	4.28
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.90*	
		For >250 To 500, Deduct	*-5.00*	
		For >500, Deduct	*-7.10*	
		For Work In Restricted Working Space, Add	*3.89*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.43	4.28
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.77*	
		For >250 To 500, Deduct	*-4.80*	
		For >500, Deduct	*-6.84*	
		For Work In Restricted Working Space, Add	*3.89*	

27 05 33 Conduits and Back Boxes for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems *(27 05)*

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling *(27)*

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings *(27 10)*

27 11 16 Communications Cabinets, Racks, Frames, and Enclosures *(27 11)*

See CSI section 26 27 16 00-0000 for cabinets and enclosures.

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards *(27 11 16)*

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	102.50	33.71
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*61.47*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	205.01	67.42
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*122.95*	

27 11 16 00-0004 Terminal Cabinets *(27 11 16)*

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	404.34	97.24
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	513.73	106.97
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	591.12	123.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	613.69	126.41
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	755.12	129.66
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	937.58	145.86
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	961.07	142.62
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,231.25	203.17
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,316.04	223.27
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,596.15	235.85
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,318.37	194.48
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,425.75	210.70
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,776.12	270.08
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	2,130.28	337.63
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,424.73	333.87
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,780.90	406.21

27 11 16 00-0021 Equipment Racks And Cable Managers *(27 11 16)*

27 11 16 00-0022 Equipment Racks *(27 11 16 00-0021)*

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0024 19" Width, Standard Equipment Racks *(27 11 16 00-0023)*

27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	605.43	207.45
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*9.53*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	816.81	220.42
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.80*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	880.72	233.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.70*	

27 11 16 00-0028 Universal Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0029 Universal Equipment Racks *(27 11 16 00-0028)*

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	757.04	181.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.70*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	822.56	184.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.65*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	822.69	188.00
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.33*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	843.28	191.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.04*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	863.64	194.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.73*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	885.61	197.73
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.51*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	765.80	200.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.19*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	928.33	204.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.00*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	959.82	207.45
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.25*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	987.45	210.70
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.30*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	995.00	213.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.36*	

27 11 16 00-0042 23" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	797.47	181.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.72*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	824.06	184.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.73*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	847.59	188.00
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.58*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	890.63	191.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.41*	
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	912.39	194.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.17*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	935.97	197.73
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.03*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	816.74	200.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.74*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	981.78	204.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.67*	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	1,015.80	207.45
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.05*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	1,045.64	210.70
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.21*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	1,053.28	213.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.27*	

27 11 16 00-0054 35" Width, Universal Equipment Racks *(27 11 16 00-0029)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	980.92	194.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.60*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	1,031.66	200.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.49*	

27 11 16 00-0057 UL Listed Universal Equipment Racks *(27 11 16 00-0028)*

Note: UL listed as a communications circuit accessory.

27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks *(27 11 16 00-0057)*

27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	796.45	181.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.67*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	857.04	184.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.38*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	870.32	188.00
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.72*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	889.39	191.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.35*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	911.10	194.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.11*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	934.62	197.73
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.96*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	957.24	200.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.77*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	980.35	204.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.60*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	1,014.33	207.45
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.97*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	1,044.09	210.70
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.14*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	1,051.67	213.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.19*	

27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks *(27 11 16 00-0057)*

27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	840.96	181.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.90*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	917.41	184.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.39*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	929.41	188.00
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.67*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	941.43	191.25
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.95*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	964.72	194.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.79*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	990.03	197.73
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.73*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	1,014.28	200.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.62*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	1,039.10	204.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.53*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	1,075.87	207.45
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.05*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	1,108.07	210.70
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.33*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	1,115.91	213.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.40*	

27 11 16 00-0082 4-Post Equipment Racks And Server Frames *(27 11 16 00-0022)*

27 11 16 00-0083 4-Post Equipment Racks *(27 11 16 00-0082)*

27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,595.15	324.14
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*47.34*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,735.99	337.11
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*53.09*	
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,869.10	350.07
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*58.45*	

27 11 16 00-0087 4-Post Server Frame *(27 11 16 00-0082)*

27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,636.79	324.14
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*49.43*	

27 11 16 00-0089 Cable Managers *(27 11 16 00-0021)*

27 11 16 00-0090 Horizontal Cable Managers *(27 11 16 00-0089)*

27 11 16 00-0091 Single-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*

27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	90.37	12.97
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	100.14	12.97
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	76.16	12.97
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	91.84	12.97
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	106.97	12.97
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	83.88	12.97
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	122.33	12.97
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	138.65	12.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	99.34	12.97
27 11 16 00-0101		**Double-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	111.20	12.97
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	124.09	12.97
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	116.78	12.97
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	135.23	12.97
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	149.86	12.97
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	167.30	12.97
27 11 16 00-0108		**Vertical Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0109		**Single-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	199.24	19.45
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	278.44	19.45
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	444.57	19.45
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	502.53	19.45
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	212.76	19.45
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	299.69	19.45
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	483.21	19.45
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	541.16	19.45
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	239.80	19.45
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	328.67	19.45
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	541.16	19.45
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	599.12	19.45
27 11 16 00-0122		**Double-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	286.17	19.45
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	336.39	19.45
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	541.16	19.45
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	637.75	19.45
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	309.35	19.45
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	359.58	19.45
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	579.80	19.45
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	676.39	19.45
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	340.26	19.45
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	390.48	19.45
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	637.75	19.45
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	734.34	19.45
27 11 16 00-0135		**Accessories For Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	122.52	12.97
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	130.25	12.97
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	137.97	12.97
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	126.38	12.97
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	137.97	12.97
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	149.56	12.97
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	141.84	12.97
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	153.43	12.97
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	165.02	12.97
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	149.56	12.97
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	165.02	12.97
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	176.61	12.97
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	103.20	12.97
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	118.66	12.97
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	123.87	12.97
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	80.02	12.97

27 11 19 Communications Termination Blocks and Patch Panels *(27 11)*

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

27 11 19 00-0001		**Computer Network Components** *(27 11 19)*		
27 11 19 00-0002		**Ethernet Patch Panels** *(27 11 19 00-0001)*		
27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	276.79	64.82
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	402.33	64.82
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	521.12	64.82
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	631.80	64.82
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	993.58	81.04
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,160.97	97.24
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	374.25	64.82
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	410.43	64.82
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	691.20	64.82
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,274.36	97.24
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	803.14	97.24
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	844.56	97.24
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	317.04	64.82
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	45.93	
		For >5 To 10 Cables, Deduct	*-8.27*	
		For >10 Cables, Deduct	*-18.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires Note: Per each pair	12.63	
		For >20 To 40 Pairs, Deduct	*-2.02*	
		For >40 Pairs, Deduct	*-4.80*	
27 11 19 00-0018		**Fiber Optic Cable Patch Panels And Enclosures** *(27 11 19 00-0001)*		
27 11 19 00-0019		**Fiber Optic Cable Connector Housings** *(27 11 19 00-0018)*		
27 11 19 00-0020		**Wall Mount, Fiber Optic Cable Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	154.78	29.17
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	229.83	29.17
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	340.87	29.17
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	503.43	48.62
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	701.13	48.62
27 11 19 00-0026		**Rack Mount, Fiber Optic Cable Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	528.10	48.62
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	599.07	48.62
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	645.18	48.62
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	756.59	48.62
27 11 19 00-0031		**Rack Mount, Fiber Optic Cable Pretium® Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	652.88	48.62
		For Splice Tray Bracket, Add	*82.74*	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	765.01	48.62
		For Splice Tray Bracket, Add	*90.48*	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	953.97	48.62
		For Splice Tray Bracket, Add	*329.62*	
27 11 19 00-0035		**Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings** *(27 11 19 00-0019)* Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	965.23	48.62
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,239.53	48.62
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,405.82	48.62
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,829.91	48.62
27 11 19 00-0040		**Wall Mount, Fiber Optic Cable Industrial Connector Housings** *(27 11 19 00-0019)* Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	740.28	29.17
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,023.84	48.62
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,074.46	48.62
27 11 19 00-0044		**Wall Mount, Fiber Optic Cable Environmental Connector Housings** *(27 11 19 00-0019)* Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	775.26	29.17
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,023.22	48.62
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,202.31	48.62
27 11 19 00-0048		**Fiber Optic Cable Connector Panels** *(27 11 19 00-0018)*		
27 11 19 00-0049		**SC Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	101.84	6.48
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	110.53	6.48
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	124.02	6.48
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	135.60	6.48
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	168.40	6.48
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	185.73	6.48
27 11 19 00-0056		**SC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	98.00	6.48
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	100.04	6.48
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	118.93	6.48
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	121.64	6.48
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	160.76	6.48
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	164.80	6.48
27 11 19 00-0063		**LC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	123.08	6.48
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	135.22	6.48
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	150.94	6.48
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	167.14	6.48
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	176.40	6.48
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	196.85	6.48
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	262.51	6.48
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	294.83	6.48
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	374.03	6.48
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	327.00	6.48
27 11 19 00-0074		**ST Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	84.64	6.48
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	91.21	6.48
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	101.09	6.48
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	109.86	6.48
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	133.97	6.48
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	147.14	6.48
27 11 19 00-0081		**MT-RJ, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	105.23	6.48
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	157.49	6.48
27 11 19 00-0084		**Fiber Optic Cable Pretium Edge® Modules** *(27 11 19 00-0048)*		
27 11 19 00-0085	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,073.39	6.48
27 11 19 00-0086	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,077.12	6.48
27 11 19 00-0087		**Fiber Optic Cable Splice Housings** *(27 11 19 00-0018)*		
27 11 19 00-0088		**Wall Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	405.90	64.82
27 11 19 00-0090		**Rack Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	616.46	48.62
27 11 19 00-0092	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	636.12	48.62
27 11 19 00-0093		**Fiber Optic Cable Splice Trays** *(27 11 19 00-0087)*		
27 11 19 00-0094	EA	Fiber Optic Cable Splice Tray	116.95	16.20
27 11 19 00-0095		**Fiber Optic Cable Jumper Management Panels** *(27 11 19 00-0018)*		
		Note: Includes mounting hardware.		
27 11 19 00-0096	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	220.75	48.62
27 11 19 00-0097		**Miscellaneous Accessories** *(27 11 19 00-0001)*		
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	71.92	
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	95.52	
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	104.48	
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel	116.51	
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	549.51	64.82
27 11 19 00-0103		**Telephone Components** *(27 11 19)*		
27 11 19 00-0104		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0103)*		
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	38.14	12.99
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG	72.59	12.99
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG	58.49	12.99
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	29.42	12.99
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	20.86	9.09
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG	39.63	12.99
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	29.42	12.99
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	20.64	9.09
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	20.49	9.09
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG	21.17	9.09
27 11 19 00-0115		**Terminal Block Mounting Channel** *(27 11 19 00-0103)*		
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	20.16	6.49
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	25.97	6.49
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	36.19	6.49
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	25.79	7.79
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	35.46	7.79
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	51.41	7.79

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0122			**Outlet Termination Hardware** *(27 11 19 00-0103)*		
	27 11 19 00-0123	EA	Telephone Outlet Blocks	38.83	6.49
	27 11 19 00-0124	EA	Phone Outlet Block For Floor Box Note: Excludes box.	108.92	49.27
	27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead	95.70	29.17
	27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead	95.70	29.17
	27 11 19 00-0127	EA	Type "F" Coaxial Connector Male	56.02	19.45
	27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	144.18	32.42
	27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	144.18	32.42
	27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	173.74	32.42
	27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	173.74	32.42
	27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	158.18	32.42
	27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,369.81	162.07
	27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V Note: Excludes cable terminations.	67.51	12.97
	27 11 19 00-0135	EA	5-Pair, Connecting Block	4.05	1.29
	27 11 19 00-0136	EA	4-Pair, Connecting Block	4.38	1.29
	27 11 19 00-0137	EA	Plastic Label Holder, Transparent	16.41	3.24
	27 11 19 00-0138	EA	Marked Label, White, 5-Pair	4.45	
	27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair	4.45	
27 11 19 00-0140			**Terminations in Manhole or Junction Box** *(27 11 19 00-0103)*		
	27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box	207.45	
	27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box	414.90	
	27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box	829.80	
	27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box	1,244.70	
	27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,456.04	
	27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box	2,183.41	
	27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box	2,746.12	
	27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box	3,433.30	
	27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box	5,149.92	
	27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	6,245.50	
	27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	7,118.20	
27 11 23			**Communications Cable Management and Ladder Rack** *(27 11)*		
27 11 23 00-0001			**Equipment Supports** *(27 11 23)*		
	27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133)	37.79	6.48
	27 11 23 00-0003	LF	Velcro CMP	3.14	1.29
	27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway	129.74	31.11
	27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway	223.65	51.87
	27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway	41.07	9.72
	27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway	17.44	6.48
	27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway	18.55	6.48
	27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway	42.74	11.66
	27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	91.31	19.45
	27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway	8.25	2.86
	27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway	46.71	16.20
27 13			**Communications Backbone Cabling** *(27 10)*		
27 13 13			**Communications Copper Backbone Cabling** *(27 13)*		
27 13 13 13			**Communications Copper Cable Splicing and Terminations** *(27 13 13)*		
27 13 13 13-0001			**Modular Plugs For Copper Communications Cable** *(27 13 13 13)*		
	27 13 13 13-0002	EA	Modular Plug For Non Shielded Copper Communications Cable Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	32.44	
			For >5 To 10, Deduct	*-3.88*	
			For >10, Deduct	*-7.76*	
	27 13 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	37.07	
			For >5 To 10, Deduct	*-4.37*	
			For >10, Deduct	*-8.73*	
27 13 13 13-0004			**Communications Termination Blocks** *(27 13 13 13)*		
	27 13 13 13-0005	EA	100-Pair, 110 Block With Legs	64.50	16.20
	27 13 13 13-0006	EA	300-Pair, 110 Block With Legs	111.16	16.20
	27 13 13 13-0007	EA	Clear Label Holder For 110 Wiring Block	13.88	6.48
	27 13 13 13-0008	EA	4-Pair, 110C Connecting Block	7.89	3.24
	27 13 13 13-0009	EA	5-Pair, 110C Connecting Block	8.06	3.24
	27 13 13 13-0010	EA	100-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	360.41	19.45
	27 13 13 13-0011	EA	300-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	683.67	19.45
27 13 13 13-0012			**Testing And Certification Of Copper Communications Cable** *(27 13 13 13)* Note: Use for existing systems.		
	27 13 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity	6.48	
			For >25-Pair, Deduct	*-2.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 13 13-0014	EA	Certify 1-Pair Of A Copper Communications Cable	9.72	
		For >25-Pair, Deduct	*-3.88*	
27 13 13 13-0015	EA	Certify And Document 1-Pair Of A Copper Communications Cable	15.56	
		For >25-Pair, Deduct	*-6.21*	
27 13 13 13-0016	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	25.93	
		For >25-Pair, Deduct	*-10.35*	
27 13 13 13-0017	EA	Certify 4-Pair Category 5-7 Telecommunications Cable	38.90	
		For >25-Pair, Deduct	*-15.53*	
27 13 13 13-0018	EA	Certify And Document 4-Pair Category 5-7 Telecommunications Cable	62.24	
		For >25-Pair, Deduct	*-24.84*	

27 13 13 13-0019 Building Entrance Terminals *(27 13 13 13)*

27 13 13 13-0020	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,977.10	284.30
27 13 13 13-0021	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,942.46	473.84
27 13 13 13-0022	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	5,551.16	758.74

27 13 23 Communications Optical Fiber Backbone Cabling *(27 13)*

27 13 23 13 Communications Optical Fiber Splicing and Terminations *(27 13 23)*

27 13 23 13-0001 Fiber Optic Cable Splice Closures *(27 13 23 13)*

Note: Includes mounting hardware. Excludes splicing and splice trays.

27 13 23 13-0002	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,020.09	129.66
27 13 23 13-0003	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,279.39	259.32
27 13 23 13-0004	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,279.39	259.32
27 13 23 13-0005	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,708.47	129.66
27 13 23 13-0006	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,967.77	259.32
27 13 23 13-0007	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,967.77	259.32
27 13 23 13-0008	EA	Splice Tray For Fiber Optic Cable Splice Closure Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.	70.77	16.20

27 13 23 13-0009 Fiber Optic Cable Splicing *(27 13 23 13)*

27 13 23 13-0010	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	38.90	
27 13 23 13-0011	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	129.66	

27 13 23 13-0012 Fiber Optic Cable Testing *(27 13 23 13)*

Note: Price based on testing one wavelength.

27 13 23 13-0013 Fiber Optic Cable Testing Using An OTDR *(27 13 23 13-0012)*

Note: Testing using an optical time domain reflectometer.

27 13 23 13-0014	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	25.93	
		For >12 To 48 Strands, Deduct	*-1.94*	
		For >48 Strands, Deduct	*-2.59*	
27 13 23 13-0015	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	38.90	
		For >12 To 48 Strands, Deduct	*-2.92*	
		For >48 Strands, Deduct	*-3.89*	
27 13 23 13-0016	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	64.82	
		For >12 To 48 Strands, Deduct	*-4.86*	
		For >48 Strands, Deduct	*-6.48*	
27 13 23 13-0017	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	97.24	
		For >12 To 48 Strands, Deduct	*-7.29*	
		For >48 Strands, Deduct	*-9.72*	

27 13 23 13-0018 Fiber Optic Cable Testing Using A Power Meter *(27 13 23 13-0012)*

27 13 23 13-0019	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	25.93	
		For >12 To 48 Strands, Deduct	*-1.94*	
		For >48 Strands, Deduct	*-2.59*	
27 13 23 13-0020	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	38.90	
		For >12 To 48 Strands, Deduct	*-2.92*	
		For >48 Strands, Deduct	*-3.89*	

27 13 23 13-0021 Fiber Optic Cable Light Source/Continuity Testing *(27 13 23 13-0012)*

27 13 23 13-0022	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	25.93	
		For >12 To 48 Strands, Deduct	*-1.94*	
		For >48 Strands, Deduct	*-2.59*	

27 13 23 13-0023 Other Fiber Optic Cable Splicing *(27 13 23 13)*

27 13 23 13-0024	EA	Fiber Optic Finger Splice	44.88	24.38
27 13 23 13-0025	EA	Fiber Optic Splice Box - Manholes	7,015.76	

27 13 23 13-0026 Fiber Optic Cable Fan Out Kits *(27 13 23 13)*

27 13 23 13-0027 Buffer Tube Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0026)*

27 13 23 13-0028	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	280.98	
27 13 23 13-0029	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	285.12	
27 13 23 13-0030	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	320.06	
27 13 23 13-0031	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	346.26	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0032		Spider Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0026)* Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0033	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	331.95	
27 13 23 13-0034	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	359.71	
27 13 23 13-0035	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	525.67	
27 13 23 13-0036	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	683.08	

27 15 Communications Horizontal Cabling *(27 10)*

27 15 01 Communications Horizontal Cabling Applications *(27 15)*

27 15 01 15 Access Control Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable.

27 15 01 16 Voice Communications Horizontal Cabling *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 19 Fire Alarm Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001		Fire Alarm/Life Safety Cable *(27 15 01 19)*		
27 15 01 19-0002		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0003		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0002)*		
27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,118.41	882.18
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,601.30	914.08
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,415.58	1,002.76
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,185.35	1,038.55
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,775.21	1,122.57
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,871.59	1,163.02
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,554.96	1,283.60
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	5,258.39	1,329.37
27 15 01 19-0012		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0002)*		
27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,588.71	1,764.63
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,124.76	1,828.16
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,086.86	2,005.78
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,916.26	2,077.10
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,646.15	2,245.65
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,809.95	2,326.04
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,694.29	2,567.19
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	7,474.22	2,659.26
27 15 01 19-0021		Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0001)*		
27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,344.19	721.93
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,453.58	747.59
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,635.28	882.18
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,744.04	898.13
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,810.03	914.08
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,022.93	945.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0028	MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,328.39	977.87
27 15 01 19-0029	MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,907.83	1,002.76
27 15 01 19-0030	MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,145.52	1,038.55
27 15 01 19-0031	MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,209.97	1,122.57
27 15 01 19-0032	MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,581.24	1,163.02
27 15 01 19-0033	MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,697.01	1,283.60
27 15 01 19-0034	MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,295.75	1,329.37
27 15 01 19-0035		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0036		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0035)*		
27 15 01 19-0037	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,333.10	721.93
27 15 01 19-0038	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,628.07	882.18
27 15 01 19-0039	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,813.71	898.13
27 15 01 19-0040	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,829.32	914.08
27 15 01 19-0041	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,123.60	945.97
27 15 01 19-0042	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,896.93	1,002.76
27 15 01 19-0043	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,169.96	1,038.55
27 15 01 19-0044	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,160.95	1,122.57
27 15 01 19-0045	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,776.08	1,163.02
27 15 01 19-0046	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,680.99	1,283.60
27 15 01 19-0047	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,591.54	1,329.37
27 15 01 19-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0035)*		
27 15 01 19-0049	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,536.30	1,444.37
27 15 01 19-0050	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,098.37	1,764.63
27 15 01 19-0051	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,309.95	1,795.74
27 15 01 19-0052	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,352.78	1,828.16
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,700.22	1,891.69
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,568.21	2,005.78
27 15 01 19-0055	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,900.87	2,077.10
27 15 01 19-0056	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,031.89	2,245.65
27 15 01 19-0057	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,714.44	2,326.04
27 15 01 19-0058	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,820.32	2,567.19
27 15 01 19-0059	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,807.37	2,659.26
27 15 01 19-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0060)*		
27 15 01 19-0062	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,378.77	721.93
27 15 01 19-0063	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,660.69	882.18
27 15 01 19-0064	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,934.77	898.13
27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,862.69	914.08
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,157.73	945.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,971.89	1,002.76
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,204.63	1,038.55
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,322.62	1,122.57
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,695.01	1,163.02
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,800.62	1,283.60
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,345.41	1,329.37

27 15 01 19-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0060)*

27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,581.97	1,444.37
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,130.99	1,764.63
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,431.01	1,795.74
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,386.15	1,828.16
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,734.35	1,891.69
27 15 01 19-0079	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,643.17	2,005.78
27 15 01 19-0080	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,935.54	2,077.10
27 15 01 19-0081	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,193.56	2,245.65
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,633.37	2,326.04
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,939.95	2,567.19
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,561.24	2,659.26

27 15 01 19-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*

27 15 01 19-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0085)*

27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,328.15	721.93
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,667.89	882.18
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,792.32	898.13
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,897.22	914.08
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,126.55	945.97
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,921.84	1,002.76
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,234.17	1,038.55
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,242.77	1,122.57
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,800.45	1,163.02
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,687.32	1,283.60

27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0085)*

27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,531.35	1,444.37
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,138.19	1,764.63
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,288.56	1,795.74
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,420.68	1,828.16
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,703.17	1,891.69
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,593.12	2,005.78
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,965.08	2,077.10
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,113.71	2,245.65
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,738.81	2,326.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,826.65	2,567.19

27 15 13 Communications Copper Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001 Copper Telecommunications Cable *(27 15 13)*

27 15 13 00-0002 Indoor Telecommunications Cable *(27 15 13 00-0001)*

Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.

27 15 13 00-0003 Category 3, Indoor Telecommunications Cable *(27 15 13 00-0002)*

Note: Un-shielded twisted pair cables (UTP).

27 15 13 00-0004 Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0003)*

27 15 13 00-0005 24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0004)*

27 15 13 00-0006 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0005)*

27 15 13 00-0007	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,018.41	544.56
27 15 13 00-0008	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,065.70	544.56
27 15 13 00-0009	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,082.41	544.56
27 15 13 00-0010	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,306.15	622.36
27 15 13 00-0011	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,654.26	622.36
27 15 13 00-0012	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,206.99	622.36
27 15 13 00-0013	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,511.36	777.94
27 15 13 00-0014	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,344.72	1,244.70
27 15 13 00-0015	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,581.04	1,400.29
27 15 13 00-0016	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,390.65	1,555.88
27 15 13 00-0017	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,656.98	2,178.23
27 15 13 00-0018	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	21,826.64	2,691.67
27 15 13 00-0019	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,568.14	3,734.11
27 15 13 00-0020	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	56,196.29	7,468.21
27 15 13 00-0021	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	76,438.00	11,202.32

27 15 13 00-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0005)*

27 15 13 00-0023	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,926.00	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0024	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,973.29	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0025	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,990.00	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0026	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,084.09	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0027	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,432.20	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0028	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,244.25	1,244.70
		For Work In Restricted Working Space, Add	*622.35*	
27 15 13 00-0029	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,807.92	1,555.88
		For Work In Restricted Working Space, Add	*777.94*	
27 15 13 00-0030	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,381.97	1,867.06
		For Work In Restricted Working Space, Add	*933.53*	
27 15 13 00-0031	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	9,747.95	2,100.44
		For Work In Restricted Working Space, Add	*1,050.22*	
27 15 13 00-0032	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,687.22	2,333.81
		For Work In Restricted Working Space, Add	*1,166.91*	
27 15 13 00-0033	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,472.17	3,267.34
		For Work In Restricted Working Space, Add	*1,633.67*	
27 15 13 00-0034	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	24,082.66	4,045.28
		For Work In Restricted Working Space, Add	*2,022.64*	
27 15 13 00-0035	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	37,679.90	5,601.16
		For Work In Restricted Working Space, Add	*2,800.58*	
27 15 13 00-0036	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	62,419.81	11,202.32
		For Work In Restricted Working Space, Add	*5,601.16*	
27 15 13 00-0037	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	85,773.28	16,803.49
		For Work In Restricted Working Space, Add	*8,401.75*	

27 15 13 00-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0004)*

27 15 13 00-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0038)*

27 15 13 00-0040	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,583.71	622.36
27 15 13 00-0041	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,338.74	777.94
27 15 13 00-0042	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,751.14	1,244.70
27 15 13 00-0043	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,323.97	1,555.88
27 15 13 00-0044	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	25,480.72	2,178.23
27 15 13 00-0045	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	33,191.42	2,691.67
27 15 13 00-0046	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	49,213.35	3,734.11

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CSI		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0047			22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0038)*		
27 15 13 00-0048		MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,620.97	1,244.70
			For Work In Restricted Working Space, Add	*622.35*	
27 15 13 00-0049		MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,635.30	1,555.88
			For Work In Restricted Working Space, Add	*777.94*	
27 15 13 00-0050		MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,788.39	1,867.06
			For Work In Restricted Working Space, Add	*933.53*	
27 15 13 00-0051		MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,620.54	2,333.81
			For Work In Restricted Working Space, Add	*1,166.91*	
27 15 13 00-0052		MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	27,295.91	3,267.34
			For Work In Restricted Working Space, Add	*1,633.67*	
27 15 13 00-0053		MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	35,447.44	4,045.28
			For Work In Restricted Working Space, Add	*2,022.64*	
27 15 13 00-0054		MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	52,325.11	5,601.16
			For Work In Restricted Working Space, Add	*2,800.58*	
27 15 13 00-0055			Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0003)*		
27 15 13 00-0056			24 AWG, Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0055)*		
27 15 13 00-0057			24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0056)*		
27 15 13 00-0058		MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,056.65	544.56
27 15 13 00-0059		MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,103.75	544.56
27 15 13 00-0060		MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,138.97	544.56
27 15 13 00-0061		MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,369.67	622.36
27 15 13 00-0062		MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,749.13	622.36
27 15 13 00-0063		MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,777.72	622.36
27 15 13 00-0064		MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,673.32	777.94
27 15 13 00-0065		MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,779.33	1,244.70
27 15 13 00-0066		MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,205.83	1,555.88
27 15 13 00-0067		MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,788.52	2,178.23
27 15 13 00-0068			24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0056)*		
27 15 13 00-0069		MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,964.24	1,089.11
			For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0070		MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,011.34	1,089.11
			For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0071		MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,046.56	1,089.11
			For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0072		MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,147.61	1,089.11
			For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0073		MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,527.07	1,089.11
			For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0074		MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	3,814.98	1,244.70
			For Work In Restricted Working Space, Add	*622.35*	
27 15 13 00-0075		MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	5,969.88	1,555.88
			For Work In Restricted Working Space, Add	*777.94*	
27 15 13 00-0076		MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	9,816.58	1,867.06
			For Work In Restricted Working Space, Add	*933.53*	
27 15 13 00-0077		MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	16,502.40	2,333.81
			For Work In Restricted Working Space, Add	*1,166.91*	
27 15 13 00-0078		MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	24,603.71	3,267.34
			For Work In Restricted Working Space, Add	*1,633.67*	
27 15 13 00-0079			Category 5E, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0080			Category 5E, Indoor Telecommunications Riser Cable *(27 15 13 00-0079)*		
27 15 13 00-0081			Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0080)*		
27 15 13 00-0082		MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,094.59	544.56
27 15 13 00-0083		MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,138.39	544.56
27 15 13 00-0084		MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,268.88	622.36
27 15 13 00-0085		MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,312.66	622.36
27 15 13 00-0086			Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0080)*		
27 15 13 00-0087		MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,002.18	1,089.11
			For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0088		MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,045.98	1,089.11
			For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0089		MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,306.14	1,244.70
			For Work In Restricted Working Space, Add	*622.35*	
27 15 13 00-0090		MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,349.92	1,244.70
			For Work In Restricted Working Space, Add	*622.35*	
27 15 13 00-0091			Category 5E, Indoor Telecommunications Plenum Cable *(27 15 13 00-0079)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0092		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0091)*		
27 15 13 00-0093	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,255.65	544.56
27 15 13 00-0094	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,727.53	622.36
27 15 13 00-0095		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0091)*		
27 15 13 00-0096	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,163.24	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0097	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,764.79	1,244.70
		For Work In Restricted Working Space, Add	*622.35*	
27 15 13 00-0098		Category 6, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0099		Category 6, Indoor Telecommunications Riser Cable *(27 15 13 00-0098)*		
27 15 13 00-0100		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0099)*		
27 15 13 00-0101	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,201.08	544.56
27 15 13 00-0102	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,233.89	544.56
27 15 13 00-0103		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0099)*		
27 15 13 00-0104	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,108.67	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0105	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,141.48	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0106		Category 6, Indoor Telecommunications Plenum Cable *(27 15 13 00-0098)*		
27 15 13 00-0107		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0106)*		
27 15 13 00-0108	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,429.32	544.56
27 15 13 00-0109		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0106)*		
27 15 13 00-0110	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	2,336.91	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0111		Category 6A, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0112		Category 6a, Indoor Telecommunications Riser Cable *(27 15 13 00-0111)*		
27 15 13 00-0113		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0112)*		
27 15 13 00-0114	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit	1,253.51	544.56
27 15 13 00-0115		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0112)*		
27 15 13 00-0116	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed	2,161.10	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0117		Category 6A, Indoor Telecommunications Plenum Cable *(27 15 13 00-0111)*		
27 15 13 00-0118		Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0117)*		
27 15 13 00-0119	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,564.92	544.56
27 15 13 00-0120		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0117)*		
27 15 13 00-0121	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed	2,472.51	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 13 00-0122		Category 7, Indoor Telecommunications Cable *(27 15 13 00-0002)*		
27 15 13 00-0123		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0122)*		
27 15 13 00-0124	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,370.76	622.36
27 15 13 00-0125	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,881.52	622.36
27 15 13 00-0126		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 15 13 00-0122)*		
27 15 13 00-0127	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	3,408.02	1,244.70
		For Work In Restricted Working Space, Add	*622.35*	
27 15 13 00-0128	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	4,918.78	1,244.70
		For Work In Restricted Working Space, Add	*622.35*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0129		Outdoor Telecommunications Cable *(27 15 13 00-0001)* Note: Cable buried in trench excludes excavation.		
27 15 13 00-0130		PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0129)* Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0131		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0132		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0131)*		
27 15 13 00-0133	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,049.23	622.36
27 15 13 00-0134	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,477.27	1,089.11
27 15 13 00-0135	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,529.00	700.15
27 15 13 00-0136	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,415.27	777.94
27 15 13 00-0137	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,679.85	1,089.11
27 15 13 00-0138	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,689.19	1,244.70
27 15 13 00-0139	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,783.17	1,400.29
27 15 13 00-0140	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,678.97	2,022.64
27 15 13 00-0141	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	32,707.78	2,645.00
27 15 13 00-0142	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	44,423.09	3,578.52
27 15 13 00-0143	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	69,856.36	7,157.04
27 15 13 00-0144	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	95,322.99	10,579.97
27 15 13 00-0145		24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0131)*		
27 15 13 00-0146	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,854.75	
27 15 13 00-0147	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,282.79	
27 15 13 00-0148	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,269.69	
27 15 13 00-0149	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,155.95	
27 15 13 00-0150	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,290.88	
27 15 13 00-0151	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,040.90	
27 15 13 00-0152	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	16,523.87	
27 15 13 00-0153	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	23,901.03	
27 15 13 00-0154	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	31,087.07	
27 15 13 00-0155	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	41,570.65	
27 15 13 00-0156	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	62,076.97	
27 15 13 00-0157	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	83,913.21	
27 15 13 00-0158		22 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0159		22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0158)*		
27 15 13 00-0160	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,321.35	622.36
27 15 13 00-0161	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,985.66	622.36
27 15 13 00-0162	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,569.65	700.15
27 15 13 00-0163	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,267.50	777.94
27 15 13 00-0164	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,574.37	1,089.11
27 15 13 00-0165	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,624.23	1,244.70
27 15 13 00-0166	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,374.41	1,400.29
27 15 13 00-0167	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,505.60	2,022.64
27 15 13 00-0168	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	47,303.01	2,645.00
27 15 13 00-0169	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	69,910.95	3,578.52
27 15 13 00-0170	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	102,045.42	7,157.04
27 15 13 00-0171	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	143,480.79	10,579.97
27 15 13 00-0172		22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0158)*		
27 15 13 00-0173	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,126.87	
27 15 13 00-0174	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,791.18	
27 15 13 00-0175	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,310.34	
27 15 13 00-0176	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,008.18	
27 15 13 00-0177	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,185.40	
27 15 13 00-0178	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,235.25	
27 15 13 00-0179	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	24,115.11	
27 15 13 00-0180	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	34,727.66	
27 15 13 00-0181	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	45,682.30	
27 15 13 00-0182	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	67,058.51	
27 15 13 00-0183	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	94,266.03	
27 15 13 00-0184	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	132,071.01	
27 15 13 00-0185		19 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0130)*		
27 15 13 00-0186		19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0185)*		
27 15 13 00-0187	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,777.75	700.15
27 15 13 00-0188	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,538.30	777.94
27 15 13 00-0189	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,728.97	1,089.11
27 15 13 00-0190	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	26,044.87	1,244.70
27 15 13 00-0191		19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0185)*		
27 15 13 00-0192	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,518.44	
27 15 13 00-0193	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,278.98	
27 15 13 00-0194	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,340.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0195	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	25,655.89	
27 15 13 00-0196		PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0129)*		
		Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0197		24 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0198		24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0197)*		
27 15 13 00-0199	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,865.43	1,089.11
27 15 13 00-0200	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,389.09	1,089.11
27 15 13 00-0201	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,445.55	1,089.11
27 15 13 00-0202	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,348.03	1,089.11
27 15 13 00-0203	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	10,206.54	1,089.11
27 15 13 00-0204	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,559.39	1,400.29
27 15 13 00-0205	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,101.81	2,022.64
27 15 13 00-0206	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	35,659.99	2,645.00
27 15 13 00-0207	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	48,733.55	3,578.52
27 15 13 00-0208	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	75,430.84	7,157.04
27 15 13 00-0209	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	109,780.95	10,579.97
27 15 13 00-0210		24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0197)*		
27 15 13 00-0211	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,476.46	
27 15 13 00-0212	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,000.12	
27 15 13 00-0213	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,056.58	
27 15 13 00-0214	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,959.06	
27 15 13 00-0215	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,817.57	
27 15 13 00-0216	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	18,300.09	
27 15 13 00-0217	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	26,323.87	
27 15 13 00-0218	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,039.28	
27 15 13 00-0219	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	45,881.11	
27 15 13 00-0220	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	67,651.45	
27 15 13 00-0221	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	98,371.17	
27 15 13 00-0222		22 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0223		22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0222)*		
27 15 13 00-0224	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,168.18	1,089.11
27 15 13 00-0225	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,937.67	1,089.11
27 15 13 00-0226	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,575.20	1,089.11
27 15 13 00-0227	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,587.66	1,089.11
27 15 13 00-0228	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,874.27	1,089.11
27 15 13 00-0229	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,542.33	1,400.29
27 15 13 00-0230	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,361.74	2,022.64
27 15 13 00-0231	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	51,697.62	2,645.00
27 15 13 00-0232	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	72,232.36	3,578.52
27 15 13 00-0233	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	113,480.86	7,157.04
27 15 13 00-0234		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0222)*		
27 15 13 00-0235	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,779.21	
27 15 13 00-0236	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,548.70	
27 15 13 00-0237	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,186.23	
27 15 13 00-0238	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,198.69	
27 15 13 00-0239	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,485.30	
27 15 13 00-0240	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,283.03	
27 15 13 00-0241	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	39,583.80	
27 15 13 00-0242	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	50,076.91	
27 15 13 00-0243	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	69,379.92	
27 15 13 00-0244	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	105,701.47	
27 15 13 00-0245		19 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0196)*		
27 15 13 00-0246		19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0245)*		
27 15 13 00-0247	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,202.69	1,089.11
27 15 13 00-0248	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,312.36	1,089.11
27 15 13 00-0249	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,981.66	1,089.11
27 15 13 00-0250		19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0245)*		
27 15 13 00-0251	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,813.72	
27 15 13 00-0252	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,923.39	
27 15 13 00-0253	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,592.69	
27 15 13 00-0254		(Aerial) Outdoor Telecommunications Cable *(27 15 13 00-0129)*		
		Note: Includes support wire.		
27 15 13 00-0255		24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0254)*		
27 15 13 00-0256	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,260.31	2,176.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0257	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,696.02	2,176.37
27 15 13 00-0258	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,777.80	2,176.37
27 15 13 00-0259	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,780.70	2,176.37
27 15 13 00-0260	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	15,649.27	2,176.37
27 15 13 00-0261	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	23,836.92	2,394.01
27 15 13 00-0262	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	32,072.42	2,611.64
27 15 13 00-0263		**22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles** *(27 15 13 00-0254)*		
27 15 13 00-0264	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,781.59	2,176.37
27 15 13 00-0265	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,425.33	2,176.37
27 15 13 00-0266	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,975.83	2,176.37
27 15 13 00-0267	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,038.98	2,176.37
27 15 13 00-0268	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,825.42	2,176.37
27 15 13 00-0269	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	33,106.90	2,394.01
27 15 13 00-0270		**19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles** *(27 15 13 00-0254)*		
27 15 13 00-0271	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,470.77	2,176.37
27 15 13 00-0272	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,926.55	2,176.37
27 15 13 00-0273	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,788.85	2,176.37
27 15 13 00-0274	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	19,513.50	2,176.37
27 15 13 00-0275	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	31,061.37	2,176.37
27 15 13 00-0276		**Solid Conductor Low Voltage Cable** *(27 15 13)*		
27 15 13 00-0277		**Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0276)*		
27 15 13 00-0278		**#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0277)*		
27 15 13 00-0279	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,248.66	1,172.76
		For #10 AWG, Add	*487.94*	
		For Work In Restricted Working Space, Add	*586.43*	
27 15 13 00-0280	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,566.62	1,214.22
		For #10 AWG, Add	*583.83*	
		For Work In Restricted Working Space, Add	*607.29*	
27 15 13 00-0281	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,849.74	1,256.86
		For #10 AWG, Add	*668.17*	
		For Work In Restricted Working Space, Add	*628.25*	
27 15 13 00-0282	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,148.72	1,299.51
		For #10 AWG, Add	*757.43*	
		For Work In Restricted Working Space, Add	*649.95*	
27 15 13 00-0283	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,508.09	1,387.17
		For #10 AWG, Add	*857.03*	
		For Work In Restricted Working Space, Add	*693.79*	
27 15 13 00-0284	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,841.27	1,473.65
		For #10 AWG, Add	*948.25*	
		For Work In Restricted Working Space, Add	*737.02*	
27 15 13 00-0285	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,205.77	1,648.97
		For #10 AWG, Add	*1,030.70*	
		For Work In Restricted Working Space, Add	*824.33*	
27 15 13 00-0286	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,566.23	2,173.75
		For #10 AWG, Add	*1,365.97*	
		For Work In Restricted Working Space, Add	*1,086.67*	
27 15 13 00-0287	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,265.11	3,210.28
		For #10 AWG, Add	*2,032.10*	
		For Work In Restricted Working Space, Add	*1,604.73*	
27 15 13 00-0288		**#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0277)*		
27 15 13 00-0289	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,990.19	1,025.87
		For Work In Restricted Working Space, Add	*512.82*	
27 15 13 00-0290	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,289.15	1,062.59
		For Work In Restricted Working Space, Add	*531.29*	
27 15 13 00-0291	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,554.50	1,099.31
		For Work In Restricted Working Space, Add	*549.77*	
27 15 13 00-0292	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,833.85	1,137.22
		For Work In Restricted Working Space, Add	*568.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0293	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,165.52	1,214.22
		For Work In Restricted Working Space, Add	*606.99*	
27 15 13 00-0294	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,471.76	1,290.03
		For Work In Restricted Working Space, Add	*644.66*	
27 15 13 00-0295	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,797.83	1,442.85
		For Work In Restricted Working Space, Add	*721.43*	
27 15 13 00-0296	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,026.25	1,901.29
		For Work In Restricted Working Space, Add	*950.64*	
27 15 13 00-0297	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,467.71	2,808.70
		For Work In Restricted Working Space, Add	*1,404.47*	

27 15 13 00-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0299	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,774.22	915.70
		For Work In Restricted Working Space, Add	*458.09*	
27 15 13 00-0300	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,978.22	948.87
		For Work In Restricted Working Space, Add	*474.43*	
27 15 13 00-0301	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,271.65	982.04
		For Work In Restricted Working Space, Add	*490.78*	
27 15 13 00-0302	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,519.23	1,015.21
		For Work In Restricted Working Space, Add	*507.84*	
27 15 13 00-0303	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,812.36	1,083.91
		For Work In Restricted Working Space, Add	*541.96*	
27 15 13 00-0304	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,084.01	1,151.43
		For Work In Restricted Working Space, Add	*575.72*	
27 15 13 00-0305	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,228.62	1,220.15
		For Work In Restricted Working Space, Add	*609.83*	
27 15 13 00-0306	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,374.44	1,288.85
		For Work In Restricted Working Space, Add	*644.31*	
27 15 13 00-0307	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,715.12	1,370.58
		For Work In Restricted Working Space, Add	*685.18*	
27 15 13 00-0308	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,465.09	1,697.54
		For Work In Restricted Working Space, Add	*848.83*	
27 15 13 00-0309	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,633.37	2,507.81
		For Work In Restricted Working Space, Add	*1,253.96*	

27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0311	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,517.94	806.72
		For Work In Restricted Working Space, Add	*403.00*	
27 15 13 00-0312	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,714.10	835.14
		For Work In Restricted Working Space, Add	*417.57*	
27 15 13 00-0313	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,889.36	863.58
		For Work In Restricted Working Space, Add	*432.14*	
27 15 13 00-0314	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,072.58	893.19
		For Work In Restricted Working Space, Add	*446.72*	
27 15 13 00-0315	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,299.96	953.60
		For Work In Restricted Working Space, Add	*476.92*	
27 15 13 00-0316	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,511.80	1,012.83
		For Work In Restricted Working Space, Add	*506.78*	
27 15 13 00-0317	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,755.64	1,133.67
		For Work In Restricted Working Space, Add	*566.84*	
27 15 13 00-0318	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,644.96	1,493.79
		For Work In Restricted Working Space, Add	*747.01*	
27 15 13 00-0319	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,410.58	2,206.92
		For Work In Restricted Working Space, Add	*1,103.46*	

27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0321	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,355.50	733.27
		For Work In Restricted Working Space, Add	*366.40*	
27 15 13 00-0322	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,513.48	759.33
		For Work In Restricted Working Space, Add	*379.55*	
27 15 13 00-0323	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,653.94	785.99
		For Work In Restricted Working Space, Add	*392.70*	
27 15 13 00-0324	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,801.20	812.64
		For Work In Restricted Working Space, Add	*406.20*	
27 15 13 00-0325	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,990.42	867.13
		For Work In Restricted Working Space, Add	*433.39*	
27 15 13 00-0326	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,167.36	921.62
		For Work In Restricted Working Space, Add	*460.57*	
27 15 13 00-0327	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,393.02	1,030.61
		For Work In Restricted Working Space, Add	*515.30*	
27 15 13 00-0328	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,151.32	1,358.75
		For Work In Restricted Working Space, Add	*679.13*	
27 15 13 00-0329	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,675.44	2,006.72
		For Work In Restricted Working Space, Add	*1,003.24*	
27 15 13 00-0330	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,905.05	2,054.11
		For Work In Restricted Working Space, Add	*1,027.05*	
27 15 13 00-0331	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,801.62	2,391.72
		For Work In Restricted Working Space, Add	*1,195.86*	
27 15 13 00-0332	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,220.08	2,559.93
		For Work In Restricted Working Space, Add	*1,280.08*	
27 15 13 00-0333	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,543.78	3,199.62
		For Work In Restricted Working Space, Add	*1,599.57*	
27 15 13 00-0334	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,149.97	4,212.46
		For Work In Restricted Working Space, Add	*2,105.98*	

27 15 13 00-0335 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0277)*

27 15 13 00-0336	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,169.50	659.83
		For Work In Restricted Working Space, Add	*329.79*	
27 15 13 00-0337	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,234.45	683.51
		For Work In Restricted Working Space, Add	*341.52*	
27 15 13 00-0338	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,310.44	707.21
		For Work In Restricted Working Space, Add	*353.60*	
27 15 13 00-0339	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,391.34	730.91
		For Work In Restricted Working Space, Add	*365.69*	
27 15 13 00-0340	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,521.86	780.65
		For Work In Restricted Working Space, Add	*390.21*	
27 15 13 00-0341	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,651.70	826.85
		For Work In Restricted Working Space, Add	*413.66*	

27 15 13 00-0342 Triad *(27 15 13 00-0277)*

27 15 13 00-0343	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	3,100.08	982.04
27 15 13 00-0344	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,024.47	1,358.75
27 15 13 00-0345	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	6,309.50	2,006.72
27 15 13 00-0346	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	7,878.25	2,391.72
27 15 13 00-0347	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	12,940.09	3,705.45
27 15 13 00-0348	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	14,896.69	4,212.46

27 15 13 00-0349 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0276)*

27 15 13 00-0350 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0351	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,203.42	2,345.52
		For #10 AWG, Add	*878.89*	
		For Work In Restricted Working Space, Add	*1,172.86*	
27 15 13 00-0352	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,590.92	2,428.45
		For #10 AWG, Add	*988.69*	
		For Work In Restricted Working Space, Add	*1,214.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0353	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,943.92	2,513.73
		For #10 AWG, Add	*1,087.01*	
		For Work In Restricted Working Space, Add	*1,256.51*	
27 15 13 00-0354	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,315.25	2,599.02
		For #10 AWG, Add	*1,190.74*	
		For Work In Restricted Working Space, Add	*1,299.91*	
27 15 13 00-0355	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,820.73	2,774.35
		For #10 AWG, Add	*1,319.56*	
		For Work In Restricted Working Space, Add	*1,387.58*	
27 15 13 00-0356	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,298.00	2,947.30
		For #10 AWG, Add	*1,439.59*	
		For Work In Restricted Working Space, Add	*1,474.04*	
27 15 13 00-0357	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,953.54	3,297.94
		For #10 AWG, Add	*1,580.25*	
		For Work In Restricted Working Space, Add	*1,648.66*	
27 15 13 00-0358	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,188.44	4,347.50
		For #10 AWG, Add	*2,090.41*	
		For Work In Restricted Working Space, Add	*2,173.33*	
27 15 13 00-0359	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	13,614.19	6,420.56
		For #10 AWG, Add	*3,101.92*	
		For Work In Restricted Working Space, Add	*3,209.45*	

27 15 13 00-0360 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0361	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,699.57	2,051.74
		For Work In Restricted Working Space, Add	*1,025.63*	
27 15 13 00-0362	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,060.14	2,125.19
		For Work In Restricted Working Space, Add	*1,062.59*	
27 15 13 00-0363	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,387.09	2,198.63
		For Work In Restricted Working Space, Add	*1,099.55*	
27 15 13 00-0364	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,729.22	2,274.44
		For Work In Restricted Working Space, Add	*1,137.22*	
27 15 13 00-0365	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,188.83	2,428.45
		For Work In Restricted Working Space, Add	*1,213.98*	
27 15 13 00-0366	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,620.63	2,580.06
		For Work In Restricted Working Space, Add	*1,289.32*	
27 15 13 00-0367	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,202.58	2,885.70
		For Work In Restricted Working Space, Add	*1,442.85*	
27 15 13 00-0368	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,195.06	3,802.59
		For Work In Restricted Working Space, Add	*1,901.29*	
27 15 13 00-0369	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,149.28	5,617.40
		For Work In Restricted Working Space, Add	*2,808.94*	

27 15 13 00-0370 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0371	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,301.18	1,831.40
		For Work In Restricted Working Space, Add	*916.17*	
27 15 13 00-0372	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,559.68	1,897.74
		For Work In Restricted Working Space, Add	*948.87*	
27 15 13 00-0373	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,907.60	1,964.07
		For Work In Restricted Working Space, Add	*981.56*	
27 15 13 00-0374	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,212.03	2,030.41
		For Work In Restricted Working Space, Add	*1,015.68*	
27 15 13 00-0375	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,618.89	2,167.83
		For Work In Restricted Working Space, Add	*1,083.92*	
27 15 13 00-0376	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,003.06	2,302.88
		For Work In Restricted Working Space, Add	*1,151.44*	
27 15 13 00-0377	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,261.40	2,440.28
		For Work In Restricted Working Space, Add	*1,219.67*	
27 15 13 00-0378	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,522.13	2,577.70
		For Work In Restricted Working Space, Add	*1,288.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0379	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,999.03	2,741.18
		For Work In Restricted Working Space, Add	*1,370.35*	
27 15 13 00-0380	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,294.51	3,395.08
		For Work In Restricted Working Space, Add	*1,697.66*	
27 15 13 00-0381	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,813.25	5,015.62
		For Work In Restricted Working Space, Add	*2,507.93*	

27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0383	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,861.29	1,613.43
		For Work In Restricted Working Space, Add	*806.01*	
27 15 13 00-0384	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,106.01	1,670.30
		For Work In Restricted Working Space, Add	*835.15*	
27 15 13 00-0385	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,329.84	1,727.15
		For Work In Restricted Working Space, Add	*864.29*	
27 15 13 00-0386	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,561.63	1,786.38
		For Work In Restricted Working Space, Add	*893.43*	
27 15 13 00-0387	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,889.70	1,907.22
		For Work In Restricted Working Space, Add	*953.84*	
27 15 13 00-0388	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,201.04	2,025.68
		For Work In Restricted Working Space, Add	*1,013.55*	
27 15 13 00-0389	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,645.08	2,267.33
		For Work In Restricted Working Space, Add	*1,133.67*	
27 15 13 00-0390	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,135.01	2,987.57
		For Work In Restricted Working Space, Add	*1,494.02*	
27 15 13 00-0391	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,088.76	4,413.84
		For Work In Restricted Working Space, Add	*2,206.91*	

27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0349)*

27 15 13 00-0393	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,576.83	1,466.54
		For Work In Restricted Working Space, Add	*732.80*	
27 15 13 00-0394	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,778.65	1,518.67
		For Work In Restricted Working Space, Add	*759.10*	
27 15 13 00-0395	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,962.93	1,571.97
		For Work In Restricted Working Space, Add	*785.39*	
27 15 13 00-0396	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,155.21	1,625.28
		For Work In Restricted Working Space, Add	*812.40*	
27 15 13 00-0397	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,435.04	1,734.26
		For Work In Restricted Working Space, Add	*866.78*	
27 15 13 00-0398	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,702.62	1,843.25
		For Work In Restricted Working Space, Add	*921.15*	
27 15 13 00-0399	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,110.70	2,061.21
		For Work In Restricted Working Space, Add	*1,030.61*	
27 15 13 00-0400	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,415.10	2,717.48
		For Work In Restricted Working Space, Add	*1,358.27*	
27 15 13 00-0401	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,019.57	4,013.44
		For Work In Restricted Working Space, Add	*2,006.48*	
27 15 13 00-0402	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,328.54	4,108.21
		For Work In Restricted Working Space, Add	*2,054.10*	
27 15 13 00-0403	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,787.84	4,783.44
		For Work In Restricted Working Space, Add	*2,391.73*	
27 15 13 00-0404	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,487.02	5,119.86
		For Work In Restricted Working Space, Add	*2,560.16*	
27 15 13 00-0405	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,875.66	6,399.24
		For Work In Restricted Working Space, Add	*3,199.13*	
27 15 13 00-0406	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	17,169.89	8,424.91
		For Work In Restricted Working Space, Add	*4,211.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0407		**#22 AWG, Shielded, Low Voltage Cable, Installed Exposed** *(27 15 13 00-0349)*		
27 15 13 00-0408	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,268.82	1,319.65
		For Work In Restricted Working Space, Add	*659.59*	
27 15 13 00-0409	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,372.87	1,367.04
		For Work In Restricted Working Space, Add	*683.05*	
27 15 13 00-0410	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,489.13	1,414.42
		For Work In Restricted Working Space, Add	*707.21*	
27 15 13 00-0411	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,610.31	1,461.80
		For Work In Restricted Working Space, Add	*731.38*	
27 15 13 00-0412	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,822.56	1,561.31
		For Work In Restricted Working Space, Add	*780.42*	
27 15 13 00-0413	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,030.58	1,653.71
		For Work In Restricted Working Space, Add	*827.33*	
27 15 13 00-0414		**Triad, Installed Exposed** *(27 15 13 00-0349)*		
27 15 13 00-0415	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,100.08	982.04
27 15 13 00-0416	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,024.47	1,358.75
27 15 13 00-0417	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	6,309.50	2,006.72
27 15 13 00-0418	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	7,878.25	2,391.72
27 15 13 00-0419	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	12,940.09	3,705.45
27 15 13 00-0420	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	14,896.69	4,212.46
27 15 13 00-0421		**Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0276)*		
27 15 13 00-0422		**#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0421)*		
27 15 13 00-0423	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,923.52	1,025.87
		For Work In Restricted Working Space, Add	*512.82*	
27 15 13 00-0424	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,166.12	1,062.59
		For Work In Restricted Working Space, Add	*531.29*	
27 15 13 00-0425	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,383.10	1,099.31
		For Work In Restricted Working Space, Add	*549.77*	
27 15 13 00-0426	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,611.03	1,137.22
		For Work In Restricted Working Space, Add	*568.61*	
27 15 13 00-0427	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,891.97	1,213.04
		For Work In Restricted Working Space, Add	*606.28*	
27 15 13 00-0428	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,156.49	1,288.85
		For Work In Restricted Working Space, Add	*644.31*	
27 15 13 00-0429	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,467.07	1,442.85
		For Work In Restricted Working Space, Add	*721.43*	
27 15 13 00-0430	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,585.24	1,901.29
		For Work In Restricted Working Space, Add	*950.64*	
27 15 13 00-0431	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,806.20	2,808.70
		For Work In Restricted Working Space, Add	*1,404.47*	
27 15 13 00-0432		**#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0421)*		
27 15 13 00-0433	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,715.51	915.70
		For Work In Restricted Working Space, Add	*458.09*	
27 15 13 00-0434	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,929.40	948.87
		For Work In Restricted Working Space, Add	*474.43*	
27 15 13 00-0435	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,120.71	982.04
		For Work In Restricted Working Space, Add	*490.78*	
27 15 13 00-0436	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,323.01	1,015.21
		For Work In Restricted Working Space, Add	*507.84*	
27 15 13 00-0437	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,572.37	1,082.73
		For Work In Restricted Working Space, Add	*541.60*	
27 15 13 00-0438	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,807.42	1,151.43
		For Work In Restricted Working Space, Add	*575.72*	
27 15 13 00-0439	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,944.70	1,220.15
		For Work In Restricted Working Space, Add	*609.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0440	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,143.64	1,288.85
		For Work In Restricted Working Space, Add	*644.31*	
27 15 13 00-0441	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,445.74	1,370.58
		For Work In Restricted Working Space, Add	*685.14*	
27 15 13 00-0442	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,076.74	1,697.54
		For Work In Restricted Working Space, Add	*848.83*	
27 15 13 00-0443	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,051.42	2,507.81
		For Work In Restricted Working Space, Add	*1,254.14*	

27 15 13 00-0444 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0445	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,500.71	805.53
		For Work In Restricted Working Space, Add	*403.00*	
27 15 13 00-0446	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,674.10	835.14
		For Work In Restricted Working Space, Add	*417.57*	
27 15 13 00-0447	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,787.78	864.76
		For Work In Restricted Working Space, Add	*432.14*	
27 15 13 00-0448	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,934.04	893.19
		For Work In Restricted Working Space, Add	*446.72*	
27 15 13 00-0449	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,121.55	953.60
		For Work In Restricted Working Space, Add	*476.92*	
27 15 13 00-0450	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,307.89	1,014.02
		For Work In Restricted Working Space, Add	*506.78*	
27 15 13 00-0451	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,736.01	1,133.67
		For Work In Restricted Working Space, Add	*566.84*	
27 15 13 00-0452	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,563.87	1,493.79
		For Work In Restricted Working Space, Add	*747.01*	
27 15 13 00-0453	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,851.05	2,206.92
		For Work In Restricted Working Space, Add	*1,103.46*	

27 15 13 00-0454 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*

27 15 13 00-0455	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,332.42	733.27
		For Work In Restricted Working Space, Add	*366.40*	
27 15 13 00-0456	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,454.52	759.33
		For Work In Restricted Working Space, Add	*379.55*	
27 15 13 00-0457	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,703.53	864.76
		For Work In Restricted Working Space, Add	*432.14*	
27 15 13 00-0458	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,856.13	909.07
		For Work In Restricted Working Space, Add	*454.53*	
27 15 13 00-0459	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,005.94	953.60
		For Work In Restricted Working Space, Add	*476.92*	
27 15 13 00-0460	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,171.28	1,014.02
		For Work In Restricted Working Space, Add	*506.78*	
27 15 13 00-0461	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,396.15	1,128.46
		For Work In Restricted Working Space, Add	*564.35*	
27 15 13 00-0462	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,940.59	1,358.75
		For Work In Restricted Working Space, Add	*679.13*	
27 15 13 00-0463	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,359.35	2,006.72
		For Work In Restricted Working Space, Add	*1,003.24*	
27 15 13 00-0464	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,553.29	2,054.11
		For Work In Restricted Working Space, Add	*1,027.05*	
27 15 13 00-0465	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,370.59	2,391.72
		For Work In Restricted Working Space, Add	*1,195.86*	
27 15 13 00-0466	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,756.34	2,559.93
		For Work In Restricted Working Space, Add	*1,280.08*	
27 15 13 00-0467	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,018.62	3,199.62
		For Work In Restricted Working Space, Add	*1,599.57*	
27 15 13 00-0468	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,406.81	4,212.46
		For Work In Restricted Working Space, Add	*2,105.98*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0469		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0421)*		
27 15 13 00-0470	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,172.96	659.83
		For Work In Restricted Working Space, Add	*329.79*	
27 15 13 00-0471	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,239.18	683.51
		For Work In Restricted Working Space, Add	*341.52*	
27 15 13 00-0472	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,321.98	707.21
		For Work In Restricted Working Space, Add	*353.60*	
27 15 13 00-0473	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,411.06	730.91
		For Work In Restricted Working Space, Add	*365.69*	
27 15 13 00-0474	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,538.48	780.65
		For Work In Restricted Working Space, Add	*390.21*	
27 15 13 00-0475	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,672.20	826.85
		For Work In Restricted Working Space, Add	*413.66*	
27 15 13 00-0476		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0276)*		
27 15 13 00-0477		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*		
27 15 13 00-0478	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,632.90	2,051.74
		For Work In Restricted Working Space, Add	*1,025.63*	
27 15 13 00-0479	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,937.11	2,125.19
		For Work In Restricted Working Space, Add	*1,062.59*	
27 15 13 00-0480	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,215.69	2,198.63
		For Work In Restricted Working Space, Add	*1,099.55*	
27 15 13 00-0481	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,506.40	2,274.44
		For Work In Restricted Working Space, Add	*1,137.22*	
27 15 13 00-0482	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,912.91	2,426.07
		For Work In Restricted Working Space, Add	*1,212.56*	
27 15 13 00-0483	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,304.18	2,577.70
		For Work In Restricted Working Space, Add	*1,288.61*	
27 15 13 00-0484	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,871.82	2,885.70
		For Work In Restricted Working Space, Add	*1,442.85*	
27 15 13 00-0485	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,754.05	3,802.59
		For Work In Restricted Working Space, Add	*1,901.29*	
27 15 13 00-0486	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,487.77	5,617.40
		For Work In Restricted Working Space, Add	*2,808.94*	
27 15 13 00-0487		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*		
27 15 13 00-0488	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,242.47	1,831.40
		For Work In Restricted Working Space, Add	*916.17*	
27 15 13 00-0489	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,510.86	1,897.74
		For Work In Restricted Working Space, Add	*948.87*	
27 15 13 00-0490	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,756.66	1,964.07
		For Work In Restricted Working Space, Add	*981.56*	
27 15 13 00-0491	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,015.81	2,030.41
		For Work In Restricted Working Space, Add	*1,015.68*	
27 15 13 00-0492	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,377.70	2,165.46
		For Work In Restricted Working Space, Add	*1,083.20*	
27 15 13 00-0493	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,726.47	2,302.88
		For Work In Restricted Working Space, Add	*1,151.44*	
27 15 13 00-0494	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,977.48	2,440.28
		For Work In Restricted Working Space, Add	*1,219.67*	
27 15 13 00-0495	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,291.33	2,577.70
		For Work In Restricted Working Space, Add	*1,288.61*	
27 15 13 00-0496	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,729.54	2,741.18
		For Work In Restricted Working Space, Add	*1,370.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0497	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,906.16	3,395.08
		For Work In Restricted Working Space, Add	*1,697.66*	
27 15 13 00-0498	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,231.88	5,015.62
		For Work In Restricted Working Space, Add	*2,508.28*	

27 15 13 00-0499 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

27 15 13 00-0500	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,844.06	1,611.06
		For Work In Restricted Working Space, Add	*806.01*	
27 15 13 00-0501	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,066.01	1,670.30
		For Work In Restricted Working Space, Add	*835.15*	
27 15 13 00-0502	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,228.26	1,729.53
		For Work In Restricted Working Space, Add	*864.29*	
27 15 13 00-0503	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,423.09	1,786.38
		For Work In Restricted Working Space, Add	*893.43*	
27 15 13 00-0504	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,711.29	1,907.22
		For Work In Restricted Working Space, Add	*953.84*	
27 15 13 00-0505	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,997.13	2,028.04
		For Work In Restricted Working Space, Add	*1,013.55*	
27 15 13 00-0506	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,625.45	2,267.33
		For Work In Restricted Working Space, Add	*1,133.67*	
27 15 13 00-0507	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,053.92	2,987.57
		For Work In Restricted Working Space, Add	*1,494.02*	
27 15 13 00-0508	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,529.23	4,413.84
		For Work In Restricted Working Space, Add	*2,206.91*	

27 15 13 00-0509 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

27 15 13 00-0510	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,553.75	1,466.54
		For Work In Restricted Working Space, Add	*732.80*	
27 15 13 00-0511	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,719.69	1,518.67
		For Work In Restricted Working Space, Add	*759.10*	
27 15 13 00-0512	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,144.01	1,729.53
		For Work In Restricted Working Space, Add	*864.29*	
27 15 13 00-0513	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,371.24	1,818.14
		For Work In Restricted Working Space, Add	*909.07*	
27 15 13 00-0514	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,595.68	1,907.22
		For Work In Restricted Working Space, Add	*953.84*	
27 15 13 00-0515	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,860.52	2,028.04
		For Work In Restricted Working Space, Add	*1,013.55*	
27 15 13 00-0516	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,277.29	2,256.91
		For Work In Restricted Working Space, Add	*1,128.69*	
27 15 13 00-0517	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,204.37	2,717.48
		For Work In Restricted Working Space, Add	*1,358.27*	
27 15 13 00-0518	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,703.48	4,013.44
		For Work In Restricted Working Space, Add	*2,006.48*	
27 15 13 00-0519	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,976.78	4,108.21
		For Work In Restricted Working Space, Add	*2,054.10*	
27 15 13 00-0520	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,356.81	4,783.44
		For Work In Restricted Working Space, Add	*2,391.73*	
27 15 13 00-0521	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,023.28	5,119.86
		For Work In Restricted Working Space, Add	*2,560.16*	
27 15 13 00-0522	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,350.50	6,399.24
		For Work In Restricted Working Space, Add	*3,199.13*	
27 15 13 00-0523	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	16,426.73	8,424.91
		For Work In Restricted Working Space, Add	*4,211.96*	

27 15 13 00-0524 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0476)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0525	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,272.28	1,319.65
		For Work In Restricted Working Space, Add	*659.59*	
27 15 13 00-0526	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,377.60	1,367.04
		For Work In Restricted Working Space, Add	*683.05*	
27 15 13 00-0527	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,500.67	1,414.42
		For Work In Restricted Working Space, Add	*707.21*	
27 15 13 00-0528	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,630.03	1,461.80
		For Work In Restricted Working Space, Add	*731.38*	
27 15 13 00-0529	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,839.18	1,561.31
		For Work In Restricted Working Space, Add	*780.42*	
27 15 13 00-0530	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,051.08	1,653.71
		For Work In Restricted Working Space, Add	*827.33*	

27 15 13 00-0531 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench *(27 15 13 00-0276)*

Note: Excludes excavation.

27 15 13 00-0532	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,839.48	
27 15 13 00-0533	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,131.54	
27 15 13 00-0534	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,391.42	
27 15 13 00-0535	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,665.79	
27 15 13 00-0536	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,985.86	
27 15 13 00-0537	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,281.66	

27 15 13 00-0538 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) *(27 15 13 00-0276)*

27 15 13 00-0539	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,950.62	634.82
27 15 13 00-0540	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,307.27	680.12
27 15 13 00-0541	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,983.53	859.80
27 15 13 00-0542	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,554.39	994.47
27 15 13 00-0543	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,783.09	1,133.49
27 15 13 00-0544	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	12,844.71	1,448.11

27 15 13 00-0545 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0546	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,720.24	915.70
27 15 13 00-0547	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,037.94	948.87
27 15 13 00-0548	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,264.08	982.04
27 15 13 00-0549	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,389.42	1,015.21
27 15 13 00-0550	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,833.65	1,082.73
27 15 13 00-0551	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,060.32	1,151.43
27 15 13 00-0552	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,791.09	1,288.85
27 15 13 00-0553	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,734.29	1,697.54
27 15 13 00-0554	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,170.54	2,507.81
27 15 13 00-0555	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,490.07	805.53
27 15 13 00-0556	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,751.37	835.14
27 15 13 00-0557	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,968.85	864.76
27 15 13 00-0558	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,080.40	893.19
27 15 13 00-0559	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,460.44	953.60
27 15 13 00-0560	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,748.26	1,014.02
27 15 13 00-0561	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,101.38	1,133.67
27 15 13 00-0562	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,014.81	1,493.79
27 15 13 00-0563	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,368.01	2,206.92
27 15 13 00-0564	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,321.76	733.27
27 15 13 00-0565	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,489.75	759.33
27 15 13 00-0566	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,652.78	785.39
27 15 13 00-0567	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,758.46	812.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0568	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,910.35	867.13
27 15 13 00-0569	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,079.27	921.62
27 15 13 00-0570	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,328.48	1,030.61
27 15 13 00-0571	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,195.04	1,358.75
27 15 13 00-0572	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,840.06	2,006.72
27 15 13 00-0573	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,088.14	2,054.11
27 15 13 00-0574	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,991.77	2,391.72
27 15 13 00-0575	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,461.61	2,559.93
27 15 13 00-0576	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,817.31	3,199.62
27 15 13 00-0577	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,537.04	4,212.46
27 15 13 00-0578	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	20,246.34	7,759.16
27 15 13 00-0579	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	30,213.23	10,268.16
27 15 13 00-0580	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	40,242.81	12,939.44
27 15 13 00-0581	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	56,549.66	17,748.94
27 15 13 00-0582	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,285.58	733.27
27 15 13 00-0583	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,408.82	759.33
27 15 13 00-0584	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,528.91	785.39
27 15 13 00-0585	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,612.72	812.64
27 15 13 00-0586	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,742.76	867.13
27 15 13 00-0587	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,883.24	921.62
27 15 13 00-0588	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,108.39	1,030.61
27 15 13 00-0589	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,859.49	1,358.75
27 15 13 00-0590	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,301.05	2,006.72
27 15 13 00-0591	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,488.33	2,054.11
27 15 13 00-0592	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,291.09	2,391.72
27 15 13 00-0593	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,670.81	2,559.93
27 15 13 00-0594	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,921.75	3,199.62
27 15 13 00-0595	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,269.75	4,212.46
27 15 13 00-0596	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	17,564.42	7,759.16
27 15 13 00-0597	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	25,478.25	10,268.16
27 15 13 00-0598	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	33,493.62	12,939.44
27 15 13 00-0599	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	46,805.97	17,748.94

27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0276)*

27 15 13 00-0601	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,729.82	915.70
27 15 13 00-0602	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,945.21	948.87
27 15 13 00-0603	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,083.65	982.04
27 15 13 00-0604	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,265.26	1,015.21
27 15 13 00-0605	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,492.09	1,082.73
27 15 13 00-0606	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,716.57	1,151.43
27 15 13 00-0607	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,239.00	1,288.85
27 15 13 00-0608	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,215.15	1,697.54
27 15 13 00-0609	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,279.14	2,507.81
27 15 13 00-0610	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,515.78	805.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0611	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,701.12	835.14
27 15 13 00-0612	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,821.04	864.76
27 15 13 00-0613	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,976.65	893.19
27 15 13 00-0614	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,172.48	953.60
27 15 13 00-0615	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,367.13	1,014.02
27 15 13 00-0616	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,817.07	1,133.67
27 15 13 00-0617	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,667.40	1,493.79
27 15 13 00-0618	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,462.07	2,206.92
27 15 13 00-0619	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,343.05	733.27
27 15 13 00-0620	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,503.00	759.33
27 15 13 00-0621	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,618.20	785.39
27 15 13 00-0622	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,819.06	812.64
27 15 13 00-0623	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,007.67	867.13
27 15 13 00-0624	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,350.09	921.62
27 15 13 00-0625	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,627.11	1,030.61
27 15 13 00-0626	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,341.10	1,358.75
27 15 13 00-0627	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,023.07	2,006.72
27 15 13 00-0628	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,290.80	2,054.11
27 15 13 00-0629	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,274.48	2,391.72
27 15 13 00-0630	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,728.80	2,559.93
27 15 13 00-0631	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,119.89	3,199.62
27 15 13 00-0632	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,965.23	4,212.46
27 15 13 00-0633	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	21,153.20	7,759.16
27 15 13 00-0634	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	31,813.97	10,268.16
27 15 13 00-0635	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	42,524.18	12,939.44
27 15 13 00-0636	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	59,843.12	17,747.75
27 15 13 00-0637	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,299.19	733.27
27 15 13 00-0638	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,417.30	759.33
27 15 13 00-0639	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,506.79	785.39
27 15 13 00-0640	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,651.48	812.64
27 15 13 00-0641	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	1,805.00	867.13
27 15 13 00-0642	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,056.49	921.62
27 15 13 00-0643	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,299.43	1,030.61
27 15 13 00-0644	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,952.92	1,358.75
27 15 13 00-0645	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,418.11	2,006.72
27 15 13 00-0646	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,617.97	2,054.11
27 15 13 00-0647	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,449.96	2,391.72
27 15 13 00-0648	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,841.74	2,559.93
27 15 13 00-0649	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,115.31	3,199.62
27 15 13 00-0650	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,543.65	4,212.46
27 15 13 00-0651	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	18,144.48	7,759.16
27 15 13 00-0652	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	26,502.30	10,268.16
27 15 13 00-0653	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	34,953.50	12,939.44
27 15 13 00-0654	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	48,913.68	17,748.94

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0655		Sound System Cables *(27 15 13)* Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656		Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0655)*		
27 15 13 00-0657		Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,968.18	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,863.71	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,783.13	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,871.25	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,154.47	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,436.76	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,155.66	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,019.67	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0666		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,011.34	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,891.16	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,823.14	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,936.65	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,176.44	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,149.99	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,983.76	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,266.32	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,548.10	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,857.25	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,913.39	829.23
		For Work In Restricted Working Space, Add	*497.54*	
27 15 13 00-0678		Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0655)*		
27 15 13 00-0679		Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*		
27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,138.96	414.61
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,034.49	414.61
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	953.91	414.61
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,042.03	414.61
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,325.25	414.61
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,607.54	414.61
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,326.44	414.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,190.45	414.61
27 15 13 00-0688		**Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit** *(27 15 13 00-0678)*		
27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,182.12	414.61
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,061.94	414.61
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	993.92	414.61
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,107.43	414.61
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,347.22	414.61
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,320.77	414.61
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,154.54	414.61
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,437.10	414.61
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,718.88	414.61
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	1,084.17	414.61
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	1,028.03	414.61

27 15 23 Communications Optical Fiber Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001		**Indoor Fiber Optic Cable** *(27 15 23)* Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 15 23 00-0002		**Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0001)* Note: Excludes conduit or innerduct.		
27 15 23 00-0003		**Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0002)*		
27 15 23 00-0004		**Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0003)*		
27 15 23 00-0005		**Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0004)*		
27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,083.99	466.76
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,176.23	466.76
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,207.02	466.76
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,316.70	466.76
		For Aluminum Armored Cable, Add	*836.29*	
		For Steel Armored Cable, Add	*1,656.58*	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,348.14	466.76
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,538.22	466.76
		For Aluminum Armored Cable, Add	*884.22*	
		For Steel Armored Cable, Add	*1,743.68*	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,587.88	544.56
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,603.23	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*1,742.52*	
		For Steel Armored Cable, Add	*2,401.69*	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,374.89	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*1,836.94*	
		For Steel Armored Cable, Add	*2,219.85*	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,524.56	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*1,927.32*	
		For Steel Armored Cable, Add	*2,324.45*	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,468.36	544.56
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,719.35	544.56
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,039.54	544.56
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,438.65	622.36
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,238.95	622.36
27 15 23 00-0021		**50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0004)*		
27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,110.55	466.76
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,232.02	466.76
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,501.63	466.76
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,785.43	466.76
		For Aluminum Armored Cable, Add	*876.82*	
		For Steel Armored Cable, Add	*1,165.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,055.04	466.76
27 15 23 00-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,608.45	466.76
		For Aluminum Armored Cable, Add	*833.93*	
		For Steel Armored Cable, Add	*1,209.69*	
27 15 23 00-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,880.01	544.56
27 15 23 00-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,880.80	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*912.06*	
		For Steel Armored Cable, Add	*912.06*	
27 15 23 00-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,867.40	544.56
27 15 23 00-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,854.00	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*1,627.59*	
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,840.60	544.56
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,827.20	544.56
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,814.59	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*7,009.86*	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,917.44	622.36
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	24,890.64	622.36

27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,127.18	466.76
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,254.72	466.76
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,537.81	466.76
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,835.80	466.76
27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,118.90	466.76
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,699.98	466.76
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,978.63	544.56
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,079.46	544.56
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,165.39	544.56
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,251.32	544.56
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,337.25	544.56
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,423.18	544.56
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,609.94	544.56
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,911.45	622.36
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	26,083.31	622.36

27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,938.86	466.76
27 15 23 00-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,282.85	466.76
27 15 23 00-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,039.61	466.76
27 15 23 00-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,400.76	466.76
27 15 23 00-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,861.18	466.76
27 15 23 00-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,196.28	544.56
27 15 23 00-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,781.46	544.56
27 15 23 00-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,925.98	544.56
27 15 23 00-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,376.85	544.56

27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,315.13	466.76
27 15 23 00-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,799.80	466.76
27 15 23 00-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,598.91	466.76
27 15 23 00-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,786.62	466.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,279.83	466.76
27 15 23 00-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,046.19	544.56
27 15 23 00-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,826.16	544.56
27 15 23 00-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,043.12	544.56
27 15 23 00-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,267.88	544.56

27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,391.99	466.76
27 15 23 00-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,900.90	466.76
27 15 23 00-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,739.96	466.76
27 15 23 00-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,987.05	466.76
27 15 23 00-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,504.93	466.76
27 15 23 00-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,353.12	544.56
27 15 23 00-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,222.09	544.56
27 15 23 00-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,499.90	544.56
27 15 23 00-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,985.89	544.56

27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*

27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*

27 15 23 00-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,087.80	466.76
27 15 23 00-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,092.48	466.76
27 15 23 00-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,337.95	466.76
27 15 23 00-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,366.67	466.76
		For Aluminum Armored Cable, Add	*975.69*	
		For Steel Armored Cable, Add	*5,370.90*	
27 15 23 00-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,511.27	466.76
27 15 23 00-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,538.32	466.76
		For Aluminum Armored Cable, Add	*1,021.93*	
		For Steel Armored Cable, Add	*5,764.99*	
27 15 23 00-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,386.48	544.56
27 15 23 00-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,316.06	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*927.38*	
		For Steel Armored Cable, Add	*6,052.59*	
27 15 23 00-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,776.55	544.56
27 15 23 00-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,949.87	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*1,421.87*	
		For Steel Armored Cable, Add	*7,569.86*	
27 15 23 00-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,360.35	544.56
27 15 23 00-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,866.30	544.56
27 15 23 00-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,995.97	544.56

27 15 23 00-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,108.76	466.76
27 15 23 00-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,552.64	466.76
27 15 23 00-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,027.23	466.76
27 15 23 00-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,511.33	466.76
		For Aluminum Armored Cable, Add	*153.66*	
		For Steel Armored Cable, Add	*505.83*	
27 15 23 00-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,975.20	466.76
27 15 23 00-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,378.23	466.76
		For Aluminum Armored Cable, Add	*40.15*	
		For Steel Armored Cable, Add	*439.92*	
27 15 23 00-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,301.15	544.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,743.52	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*2,030.76*	
		For Steel Armored Cable, Add	*4,736.32*	
27 15 23 00-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,161.48	544.56
27 15 23 00-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,579.44	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*6,030.26*	
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,997.40	544.56
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,415.36	544.56
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	28,275.69	544.56
		For Aluminum Armored Cable With Sub-Units, Add	*12,060.52*	

27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,125.30	466.76
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,591.38	466.76
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,089.69	466.76
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,598.00	466.76
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,085.06	466.76
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,508.24	466.76
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,470.82	544.56
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,085.32	544.56
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,674.17	544.56
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,263.03	544.56
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,851.89	544.56
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,440.75	544.56
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	29,644.10	544.56

27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*

27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,990.86	466.76
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,409.38	466.76
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,415.52	466.76
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,401.57	466.76
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,975.28	466.76
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,919.84	544.56
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,253.44	544.56
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,217.96	544.56
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,454.64	544.56

27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,157.05	466.76
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,435.88	466.76
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,718.54	466.76
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,881.92	466.76
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,686.68	466.76
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,995.45	544.56
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,786.97	544.56
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,725.15	544.56
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	33,134.08	544.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,376.01	466.76
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,718.78	466.76
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,115.57	466.76
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,337.12	466.76
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,232.11	466.76
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,749.84	544.56
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,680.94	544.56
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,716.03	544.56
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	34,745.40	544.56
27 15 23 00-0159		Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)* Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*		
27 15 23 00-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,343.30	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,435.54	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,466.33	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,576.01	622.36
		For Aluminum Armored Cable, Add	*836.29*	
		For Steel Armored Cable, Add	*1,656.58*	
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,607.45	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,797.53	622.36
		For Aluminum Armored Cable, Add	*884.22*	
		For Steel Armored Cable, Add	*1,743.68*	
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,847.19	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,862.54	700.15
		For Aluminum Armored Cable With Sub-Units, Add	*1,742.52*	
		For Steel Armored Cable, Add	*2,401.69*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,634.20	700.15
		For Aluminum Armored Cable With Sub-Units, Add	*1,836.94*	
		For Steel Armored Cable, Add	*2,219.85*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,783.87	700.15
		For Aluminum Armored Cable With Sub-Units, Add	*1,927.32*	
		For Steel Armored Cable, Add	*2,324.45*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,727.67	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,978.66	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,298.85	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,697.97	777.94
		For Work In Restricted Working Space, Add	*388.97*	
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,498.27	777.94
		For Work In Restricted Working Space, Add	*388.97*	
27 15 23 00-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,369.86	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,491.33	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,760.94	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,044.74	622.36
		For Aluminum Armored Cable, Add	*876.82*	
		For Steel Armored Cable, Add	*1,165.21*	
		For Work In Restricted Working Space, Add	*311.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,314.35	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,867.76	622.36
		For Aluminum Armored Cable, Add	*833.93*	
		For Steel Armored Cable, Add	*1,209.69*	
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,139.32	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,140.11	700.15
		For Aluminum Armored Cable With Sub-Units, Add	*912.06*	
		For Steel Armored Cable, Add	*912.06*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,126.71	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,113.31	700.15
		For Aluminum Armored Cable With Sub-Units, Add	*1,627.59*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,099.91	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,086.51	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,073.90	700.15
		For Aluminum Armored Cable With Sub-Units, Add	*7,009.86*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,176.76	777.94
		For Work In Restricted Working Space, Add	*388.97*	
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	25,149.96	777.94
		For Work In Restricted Working Space, Add	*388.97*	

27 15 23 00-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*

27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,386.49	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,514.03	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,797.12	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,095.11	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,378.21	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,959.29	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,237.94	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,338.77	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,424.70	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,510.63	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,596.56	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,682.49	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,869.25	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,170.77	777.94
		For Work In Restricted Working Space, Add	*388.97*	
27 15 23 00-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	26,342.63	777.94
		For Work In Restricted Working Space, Add	*388.97*	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*

27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,198.17	622.36
		For Work In Restricted Working Space, Add	*311.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,542.16	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,298.92	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,660.07	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,120.49	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,455.59	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,040.77	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,185.29	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,636.16	700.15
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,574.44	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,059.11	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,858.22	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,045.93	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,539.14	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,305.50	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,085.47	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,302.43	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,527.19	700.15
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,651.30	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,160.21	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,999.27	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,246.36	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,764.24	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,612.43	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,481.40	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,759.21	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,245.20	700.15
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*

27 15 23 00-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,347.11	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,351.79	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,597.26	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,625.98	622.36
		For Aluminum Armored Cable, Add	*975.69*	
		For Steel Armored Cable, Add	*5,370.90*	
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,770.58	622.36
		For Work In Restricted Working Space, Add	*311.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,797.63	622.36
		For Aluminum Armored Cable, Add	*1,021.93*	
		For Steel Armored Cable, Add	*5,764.99*	
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,645.79	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,575.37	700.15
		For Aluminum Armored Cable With Sub-Units, Add	*927.38*	
		For Steel Armored Cable, Add	*6,052.59*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,035.86	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,209.18	700.15
		For Aluminum Armored Cable With Sub-Units, Add	*1,421.87*	
		For Steel Armored Cable, Add	*7,569.86*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,619.66	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,125.61	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,255.28	700.15
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,368.07	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,811.95	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,286.54	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,770.64	622.36
		For Aluminum Armored Cable, Add	*153.66*	
		For Steel Armored Cable, Add	*505.83*	
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,234.51	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,637.54	622.36
		For Aluminum Armored Cable, Add	*40.15*	
		For Steel Armored Cable, Add	*439.92*	
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,560.46	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,002.83	700.15
		For Aluminum Armored Cable With Sub-Units, Add	*2,030.76*	
		For Steel Armored Cable, Add	*4,736.32*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,420.79	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,838.75	700.15
		For Aluminum Armored Cable With Sub-Units, Add	*6,030.26*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,256.71	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,674.67	700.15
		For Work In Restricted Working Space, Add	*350.07*	
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	28,535.00	700.15
		For Work In Restricted Working Space, Add	*350.07*	
		For Aluminum Armored Cable With Sub-Units, Add	*12,060.52*	
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,384.61	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,850.69	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,349.00	622.36
		For Work In Restricted Working Space, Add	*311.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,857.31	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,344.37	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,767.55	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,730.13	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,344.63	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,933.48	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,522.34	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,111.20	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,700.06	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	29,903.41	700.15
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,250.17	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,668.69	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,674.83	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,660.88	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,234.59	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,179.15	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,512.75	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,477.27	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,713.95	700.15
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,416.36	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,695.19	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,977.85	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,141.23	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,945.99	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,254.76	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,046.28	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,984.46	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	33,393.39	700.15
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,635.32	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,978.09	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,374.88	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,596.43	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,491.42	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,009.15	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,940.25	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,975.34	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	35,004.71	700.15
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*

27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,527.54	466.76
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,541.33	466.76
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	5,792.61	544.56
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	9,087.22	544.56

27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*

27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,808.00	466.76
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,580.80	466.76
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	6,860.98	544.56
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	11,779.36	544.56

27 15 23 00-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)*

Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.

27 15 23 00-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,786.85	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,800.64	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	6,051.92	700.15
		For Work In Restricted Working Space, Add	*350.07*	
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	9,346.53	700.15
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,067.31	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,840.11	622.36
		For Work In Restricted Working Space, Add	*311.18*	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	7,120.29	700.15
		For Work In Restricted Working Space, Add	*350.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	12,038.67	700.15
		For Work In Restricted Working Space, Add	*350.07*	

27 15 23 00-0338 Outdoor Fiber Optic Cable *(27 15 23)*
Note: Cable buried in trench excludes excavation.

27 15 23 00-0339 Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*
Note: Excludes conduit or innerduct.

27 15 23 00-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0339)*

27 15 23 00-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,105.16	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.30*	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,138.57	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*270.53*	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,172.01	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*272.67*	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,205.44	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.29*	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,271.86	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.10*	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,407.72	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.53*	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,477.56	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*218.48*	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,499.11	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*255.38*	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,898.80	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.95*	
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,119.15	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.93*	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,405.05	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*332.04*	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,908.37	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.79*	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,458.31	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.10*	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,033.88	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*259.12*	

27 15 23 00-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,938.64	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,017.13	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,181.56	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,405.79	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,499.22	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,816.89	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,489.58	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,479.94	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,582.41	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,348.54	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,338.90	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,637.28	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	12,916.97	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	15,196.66	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,873.39	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*114.74*	
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,983.70	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.04*	
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,093.85	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*131.15*	
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,229.91	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*149.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,424.78	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,769.29	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*165.93*	
27 15 23 00-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,095.64	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*190.82*	
27 15 23 00-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,720.23	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.05*	
27 15 23 00-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,450.77	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*243.81*	
27 15 23 00-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,125.53	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*262.35*	
27 15 23 00-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,837.70	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.94*	
27 15 23 00-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,278.09	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*333.87*	
27 15 23 00-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,741.60	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*378.90*	
27 15 23 00-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,227.70	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*348.05*	

27 15 23 00-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit
(27 15 23 00-0339)

27 15 23 00-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,296.45	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.03*	
27 15 23 00-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,361.59	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*304.32*	
27 15 23 00-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,381.14	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*291.65*	
27 15 23 00-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,459.16	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*242.79*	
27 15 23 00-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,483.51	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.17*	
27 15 23 00-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,592.86	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.21*	
27 15 23 00-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,690.91	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*278.47*	
27 15 23 00-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,847.32	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*353.13*	
27 15 23 00-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,067.68	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*357.74*	
27 15 23 00-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,287.18	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*370.62*	
27 15 23 00-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,584.77	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.80*	
27 15 23 00-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,066.13	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*415.76*	
27 15 23 00-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,695.89	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*409.39*	
27 15 23 00-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,211.23	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*327.02*	

27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,516.04	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*300.05*	
27 15 23 00-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,744.08	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.03*	
27 15 23 00-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,044.13	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.01*	
27 15 23 00-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,188.15	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,332.18	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,668.23	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*72.01*	
27 15 23 00-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,968.28	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.05*	
27 15 23 00-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,616.39	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*540.09*	
27 15 23 00-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,264.50	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*900.15*	
27 15 23 00-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,804.59	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*990.16*	
27 15 23 00-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,512.71	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,260.21*	
27 15 23 00-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,988.95	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,860.31*	
27 15 23 00-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,733.08	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,404.23*	
27 15 23 00-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,641.39	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,420.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,947.88	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.02*	
27 15 23 00-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,055.90	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,163.74	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.34*	
27 15 23 00-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,271.75	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*178.98*	
27 15 23 00-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,551.57	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.51*	
27 15 23 00-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,825.95	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*225.59*	
27 15 23 00-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,162.16	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*245.03*	
27 15 23 00-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,812.92	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.75*	
27 15 23 00-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,475.85	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*346.87*	
27 15 23 00-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,141.06	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*386.26*	
27 15 23 00-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,840.52	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*430.74*	
27 15 23 00-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,259.91	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*507.90*	
27 15 23 00-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,091.94	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*525.04*	
27 15 23 00-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,165.57	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	*542.01*	

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,975.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.30*	
27 15 23 00-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,008.91	
		For Corrugated Coated Steel Tape Armored Cable, Add	*270.53*	
27 15 23 00-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,042.35	
		For Corrugated Coated Steel Tape Armored Cable, Add	*272.67*	
27 15 23 00-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,075.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.29*	
27 15 23 00-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,142.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.10*	
27 15 23 00-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,278.06	
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.53*	
27 15 23 00-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,347.90	
		For Corrugated Coated Steel Tape Armored Cable, Add	*218.48*	
27 15 23 00-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,369.45	
		For Corrugated Coated Steel Tape Armored Cable, Add	*255.38*	
27 15 23 00-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,769.14	
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.95*	
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,270.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.93*	
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,607.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*332.04*	
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,778.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.79*	
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,328.65	
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.10*	
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,904.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*259.12*	

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,808.98	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,887.47	
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,051.90	
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,276.13	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,369.56	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,687.23	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,359.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,350.28	
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,452.75	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,218.88	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,209.24	
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,507.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	12,787.31	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	15,067.00	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,743.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*114.74*	
27 15 23 00-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,854.04	
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.04*	
27 15 23 00-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,964.19	
		For Corrugated Coated Steel Tape Armored Cable, Add	*131.15*	
27 15 23 00-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,100.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*149.30*	
27 15 23 00-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,295.12	
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,639.63	
		For Corrugated Coated Steel Tape Armored Cable, Add	*165.93*	
27 15 23 00-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,965.98	
		For Corrugated Coated Steel Tape Armored Cable, Add	*190.82*	
27 15 23 00-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,590.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.05*	
27 15 23 00-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,321.11	
		For Corrugated Coated Steel Tape Armored Cable, Add	*243.81*	
27 15 23 00-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,995.87	
		For Corrugated Coated Steel Tape Armored Cable, Add	*262.35*	
27 15 23 00-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,708.04	
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.94*	
27 15 23 00-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,148.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*333.87*	
27 15 23 00-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,611.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*378.90*	
27 15 23 00-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,098.04	
		For Corrugated Coated Steel Tape Armored Cable, Add	*348.05*	

27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,166.79	
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.03*	
27 15 23 00-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,231.93	
		For Corrugated Coated Steel Tape Armored Cable, Add	*304.32*	
27 15 23 00-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,251.48	
		For Corrugated Coated Steel Tape Armored Cable, Add	*291.65*	
27 15 23 00-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,329.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*242.79*	
27 15 23 00-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,353.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.17*	
27 15 23 00-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,463.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.21*	
27 15 23 00-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,561.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*278.47*	
27 15 23 00-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,717.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*353.13*	
27 15 23 00-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,938.02	
		For Corrugated Coated Steel Tape Armored Cable, Add	*357.74*	
27 15 23 00-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,157.52	
		For Corrugated Coated Steel Tape Armored Cable, Add	*370.62*	
27 15 23 00-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,455.11	
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.80*	
27 15 23 00-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,936.47	
		For Corrugated Coated Steel Tape Armored Cable, Add	*415.76*	
27 15 23 00-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,566.23	
		For Corrugated Coated Steel Tape Armored Cable, Add	*409.39*	
27 15 23 00-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,081.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*327.02*	

27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,386.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*300.05*	
27 15 23 00-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,614.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,914.47	
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.01*	
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,058.49	
		For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,202.52	
		For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,538.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*72.01*	
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,838.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.05*	
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,486.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*540.09*	
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,134.84	
		For Corrugated Coated Steel Tape Armored Cable, Add	*900.15*	
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,674.93	
		For Corrugated Coated Steel Tape Armored Cable, Add	*990.16*	
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,383.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,260.21*	
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,859.29	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,860.31*	
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,603.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,404.23*	
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,511.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,420.57*	

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,818.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.02*	
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,926.24	
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,034.08	
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.34*	
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,142.09	
		For Corrugated Coated Steel Tape Armored Cable, Add	*178.98*	
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,421.91	
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.51*	
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,696.29	
		For Corrugated Coated Steel Tape Armored Cable, Add	*225.59*	
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,032.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*245.03*	
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,683.26	
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.75*	
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,346.19	
		For Corrugated Coated Steel Tape Armored Cable, Add	*346.87*	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,011.40	
		For Corrugated Coated Steel Tape Armored Cable, Add	*386.26*	
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,710.86	
		For Corrugated Coated Steel Tape Armored Cable, Add	*430.74*	
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,130.25	
		For Corrugated Coated Steel Tape Armored Cable, Add	*507.90*	
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,642.47	
		For Corrugated Coated Steel Tape Armored Cable, Add	*525.04*	
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,035.91	
		For Corrugated Coated Steel Tape Armored Cable, Add	*542.01*	

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0338)*

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0525)*

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0526)*

27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,925.09	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*179.45*	
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,958.28	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*184.10*	
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,991.91	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*188.62*	
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,025.10	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*185.01*	
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,091.51	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*215.69*	
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,222.64	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*224.23*	
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,322.66	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*247.84*	
27 15 23 00-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,560.44	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*237.64*	
27 15 23 00-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,768.39	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.08*	
27 15 23 00-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,940.29	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*264.74*	
27 15 23 00-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,154.73	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,717.54	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*307.42*	
27 15 23 00-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,321.37	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*366.83*	
27 15 23 00-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,466.13	3,454.13
		For Corrugated Coated Steel Tape Armored Cable, Add	*393.89*	

27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,874.35	777.94
27 15 23 00-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,846.05	777.94
27 15 23 00-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,010.65	777.94

27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,113.70	777.94
27 15 23 00-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,665.90	777.94
27 15 23 00-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	8,081.38	777.94

27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes trenching.

27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,744.69	713.11
27 15 23 00-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,716.39	713.11
27 15 23 00-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,880.99	713.11

27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,984.04	713.11
27 15 23 00-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,536.24	713.11
27 15 23 00-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,951.72	713.11

27 15 33 Communications Coaxial Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001 Indoor Coaxial Cable *(27 15 33)*

27 15 33 00-0002 Coaxial Distribution Cable *(27 15 33 00-0001)*

Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.

27 15 33 00-0003	MLF	RG-6/U Coaxial Distribution Cable, Installed In Conduit	3,256.68	379.07
27 15 33 00-0004	MLF	RG-6A/U Coaxial Distribution Cable, Installed In Conduit	12,858.26	379.07
27 15 33 00-0005	MLF	RG-8/U Coaxial Distribution Cable, Installed In Conduit	6,615.96	400.40
27 15 33 00-0006	MLF	RG-8A/U Coaxial Distribution Cable, Installed In Conduit	8,419.55	400.40
27 15 33 00-0007	MLF	RG-11/U Coaxial Distribution Cable, Installed In Conduit	7,395.20	473.84
27 15 33 00-0008	MLF	RG-11A/U Coaxial Distribution Cable, Installed In Conduit	10,883.20	473.84
27 15 33 00-0009	MLF	RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	23,827.25	663.37
27 15 33 00-0010	MLF	RG-58/U Coaxial Distribution Cable, Installed In Conduit	2,360.56	331.69
27 15 33 00-0011	MLF	RG-58A/U Coaxial Distribution Cable, Installed In Conduit	2,717.95	331.69
27 15 33 00-0012	MLF	RG-58C/U Coaxial Distribution Cable, Installed In Conduit	3,347.52	331.69
27 15 33 00-0013	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	8,289.01	663.37
27 15 33 00-0014	MLF	RG-59/U Coaxial Distribution Cable, Installed In Conduit	4,030.27	331.69
27 15 33 00-0015	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	10,162.23	663.37
27 15 33 00-0016	MLF	1/2" Hard Line Coaxial, Installed In Conduit	3,219.84	473.84

27 15 33 00-0017 Coaxial, Indoor Telecommunications Cable *(27 15 33 00-0001)*

27 15 33 00-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 15 33 00-0017)*

27 15 33 00-0019	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	1,908.30	544.56
27 15 33 00-0020	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	4,762.62	544.56
27 15 33 00-0021	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	1,519.13	622.36
27 15 33 00-0022	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	6,016.66	622.36

27 15 33 00-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 15 33 00-0017)*

27 15 33 00-0024	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	2,815.89	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	
27 15 33 00-0025	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	5,670.21	1,089.11
		For Work In Restricted Working Space, Add	*544.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 33 00-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	2,556.39	1,244.70
		For Work In Restricted Working Space, Add	*622.35*	
27 15 33 00-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	7,053.92	1,244.70
		For Work In Restricted Working Space, Add	*622.35*	
27 15 33 00-0028		Outdoor Coaxial Cable *(27 15 33)*		
27 15 33 00-0029		Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 15 33 00-0028)*		
		Note: Corrugated steel armor jacket.		
27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	8,407.99	1,773.59
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	5,157.33	1,247.51
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	4,710.97	736.00
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	2,207.47	736.00
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit	3,242.52	1,150.01
27 15 43		**Communications Faceplates and Connectors** *(27 15)*		
27 15 43 00-0001		Plastic Communications Faceplates *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	10.31	3.24
27 15 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	10.31	3.24
27 15 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	10.31	3.24
27 15 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	10.31	3.24
27 15 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	10.31	3.24
27 15 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	17.79	3.24
27 15 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	17.79	3.24
27 15 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	17.79	3.24
27 15 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	17.79	3.24
27 15 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	17.79	3.24
27 15 43 00-0012		Stainless Steel Communications Faceplates *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0013		Stainless Steel Communications Faceplates *(27 15 43 00-0012)*		
27 15 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	19.57	3.24
27 15 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	19.57	3.24
27 15 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	19.57	3.24
27 15 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	20.92	3.24
27 15 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	20.92	3.24
27 15 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	28.23	3.24
27 15 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	29.08	3.24
27 15 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	33.66	3.24
27 15 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	33.66	3.24
27 15 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	33.66	3.24
27 15 43 00-0024		Stainless Steel Communications Faceplates With Station ID *(27 15 43 00-0012)*		
27 15 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	28.06	3.24
27 15 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	28.06	3.24
27 15 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	28.06	3.24
27 15 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	28.06	3.24
27 15 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	28.06	3.24
27 15 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	60.49	3.24
27 15 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	60.49	3.24
27 15 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	60.49	3.24
27 15 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	60.49	3.24
27 15 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	60.49	3.24
27 15 43 00-0035		Snap-In Modular Jacks *(27 15 43)*		
		Note: Includes termination.		
27 15 43 00-0036	EA	Cat 3, Snap-In Modular Jack	35.65	12.99
27 15 43 00-0037	EA	Category 5E, Snap-In Modular Jack	37.52	12.99
27 15 43 00-0038	EA	Category 5E Shielded, Snap-In Modular Jack	43.12	12.99
27 15 43 00-0039	EA	Cat 6, Snap-In Modular Jack	43.12	12.99
27 15 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack	49.40	12.99
27 15 43 00-0041	EA	Cat 6A, Snap-In Modular Jack	50.36	12.99
27 15 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack	25.95	6.49
27 15 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack	39.90	12.99
27 15 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack	44.65	12.99
27 15 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack	53.99	12.99
27 15 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack	7.37	3.24
27 15 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	8.77	3.24
27 15 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	29.84	9.73
		Note: Includes female to female connection.		
		For Gold Bulkhead, Add	*1.81*	
27 15 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	30.18	9.73
		Note: Includes female to female connection.		
27 15 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack	59.93	12.99
27 15 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	73.69	12.99
27 15 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	37.01	12.99
27 15 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	39.28	6.49
27 15 43 00-0054	EA	BNC Connector, Snap-In Modular Jack	42.61	12.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0055	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	47.71	12.99
27 15 43 00-0056	PR	Speaker Connectors, Snap-In Modular Jack Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.	66.51	19.48
27 15 43 00-0057	EA	USB Audio Video Connector, Snap-In Modular Jack	71.14	12.99
27 15 43 00-0058		**Surface Mount Plastic Communication Boxes** *(27 15 43)* Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0059	EA	One Port, Surface Mount Plastic Communication Box With Station ID	37.31	16.23
27 15 43 00-0060	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	38.16	16.23
27 15 43 00-0061	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	44.02	16.23
27 15 43 00-0062	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	50.98	16.23
27 15 43 00-0063	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	58.28	16.23
27 15 43 00-0064		**Wall Mounted Telephone Faceplates** *(27 15 43)* Note: Includes standard telephone mounting studs.		
27 15 43 00-0065		**Plastic Faceplates For Wall Mounted Telephones** *(27 15 43 00-0064)*		
27 15 43 00-0066	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	43.04	16.20
27 15 43 00-0067		**Stainless Steel Faceplates For Wall Mounted Telephones** *(27 15 43 00-0064)*		
27 15 43 00-0068	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	36.74	6.48
27 15 43 00-0069	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	64.53	16.20
27 15 43 00-0070	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	75.18	19.45
27 15 43 00-0071	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	35.36	6.48
27 15 43 00-0072	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	58.66	16.20
27 15 43 00-0073	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	69.47	19.45
27 15 53		**Communications Cable Innerduct** *(27 15)* Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 53 00-0001		**Indoor Innerduct** *(27 15 53)*		
27 15 53 00-0002		**Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0001)*		
27 15 53 00-0003		**Riser Rated, Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0002)*		
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	5,123.66	1,944.85
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	6,630.26	2,593.13
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	8,819.48	3,241.42
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	10,299.83	3,889.70
27 15 53 00-0008		**Plenum Rated, Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0002)*		
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,587.18	1,296.57
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,498.00	1,944.85
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	10,735.83	2,593.13
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	13,797.29	3,241.42
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	16,603.81	3,889.70
27 15 53 00-0014		**Indoor Innerduct, Installed Exposed** *(27 15 53 00-0001)*		
27 15 53 00-0015		**Riser Rated, Indoor Innerduct, Installed Exposed** *(27 15 53 00-0014)*		
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	6,420.22	2,593.13
		For Work In Restricted Working Space, Add	*1,555.88*	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	7,926.83	3,241.42
		For Work In Restricted Working Space, Add	*1,944.85*	
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	10,116.05	3,889.70
		For Work In Restricted Working Space, Add	*2,333.82*	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	11,596.38	4,537.98
		For Work In Restricted Working Space, Add	*2,722.79*	
27 15 53 00-0020		**Plenum Rated, Indoor Innerduct, Installed Exposed** *(27 15 53 00-0014)*		
27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	8,883.75	1,944.85
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	9,794.56	2,593.13
		For Work In Restricted Working Space, Add	*1,555.88*	
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	12,032.40	3,241.42
		For Work In Restricted Working Space, Add	*1,944.85*	
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	15,093.86	3,889.70
		For Work In Restricted Working Space, Add	*2,333.82*	
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	17,900.36	4,537.98
		For Work In Restricted Working Space, Add	*2,722.79*	
27 15 53 00-0026		**Outdoor Innerduct** *(27 15 53)*		
27 15 53 00-0027		**Outdoor Innerduct, Installed In Conduit** *(27 15 53 00-0026)*		
27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	4,808.61	1,944.85
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	6,165.67	2,593.13
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	7,880.09	3,241.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit	9,410.85	3,889.70

27 15 53 00-0032 Outdoor Innerduct, Buried In Trench *(27 15 53 00-0026)*

27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench	3,512.04	
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	4,869.11	
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	6,583.52	
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench	8,114.28	

27 16 Communications Connecting Cords, Devices, and Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001 Fiber Optic Receivers *(27 16 16)*

27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	990.49	64.82

27 16 16 00-0003 Fiber Optic Transmitters *(27 16 16)*

27 16 16 00-0004	EA	Fiber Optic Transmitter, Range 6.2 Miles	990.48	64.82

27 16 16 00-0005 Fiber Optic Repeaters *(27 16 16)*

Note: Consist of transmitter and receiver, back-to-back. Excludes power source.

27 16 16 00-0006	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	1,120.14	129.66
27 16 16 00-0007	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,760.12	259.32

27 16 16 00-0008 Fiber Optic Transceivers *(27 16 16)*

27 16 16 00-0009	EA	Fiber Optic Transceivers, 3,000 Miles Range	1,176.19	259.32
27 16 16 00-0010	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	1,176.19	259.32
27 16 16 00-0011	EA	Fiber Optic Ethernet Transceiver	1,544.22	388.97
27 16 16 00-0012	EA	Transceiver (Low Cost Bi- Directional)	558.80	97.24

27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire *(27 16)*

27 16 19 00-0001 Cross Connect Wire *(27 16 19)*

Note: Up to 20' length.

27 16 19 00-0002	EA	2-Pair Cross Connect Wire	20.68	
27 16 19 00-0003	EA	3-Pair Cross Connect Wire	27.68	
27 16 19 00-0004	EA	4-Pair Cross Connect Wire	34.63	

27 16 19 00-0005 Fiber Optic Patch Cords *(27 16 19)*

27 16 19 00-0006 Simplex Fiber Optic Patch Cables *(27 16 19 00-0005)*

27 16 19 00-0007 Singlemode, Simplex Fiber Optic Patch Cables *(27 16 19 00-0006)*

27 16 19 00-0008	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	58.00	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	47.12	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0010	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	61.26	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0011	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	49.61	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0012	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	57.55	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0013	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	56.67	
		For Each Additional Meter In Length, Add	*0.26*	

27 16 19 00-0014 Duplex Fiber Optic Patch Cables *(27 16 19 00-0005)*

27 16 19 00-0015 Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*

27 16 19 00-0016	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	101.72	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	98.66	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0018	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	109.55	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0019	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	84.97	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0020	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	100.82	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0021	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	99.08	
		For Each Additional Meter In Length, Add	*0.51*	

27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*

27 16 19 00-0023	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	76.58	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	83.69	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0025	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	84.42	
		For Each Additional Meter In Length, Add	*1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	86.70	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	76.88	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	87.10	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	102.52	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	70.33	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	85.77	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0032		Fiber Optic Cable Pig Tail *(27 16 19)*		
27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail	89.75	45.38
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail	115.55	45.38
27 16 19 00-0035		Ethernet Patch Cords *(27 16 19)*		
27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots	16.23	
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots	17.67	
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots	19.13	
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots	27.86	
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots	35.04	
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots	46.04	
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots	17.95	
27 16 19 00-0043	EA	5' Category 6 Patch Cables With Boots	21.61	
27 16 19 00-0044	EA	7' Category 6 Patch Cables With Boots	21.69	
27 16 19 00-0045	EA	10' Category 6 Patch Cables With Boots	26.11	
27 16 19 00-0046	EA	15' Category 6 Patch Cables With Boots	34.49	
27 16 19 00-0047	EA	25' Category 6 Patch Cables With Boots	43.07	
27 16 19 00-0048	EA	50' Category 6 Patch Cables With Boots	67.18	
27 16 19 00-0049	EA	100' Category 6 Patch Cables With Boots	116.97	
27 16 19 00-0050	EA	3' Category 6A Patch Cables With Boots	20.86	
27 16 19 00-0051	EA	5' Category 6A Patch Cables With Boots	22.05	
27 16 19 00-0052	EA	7' Category 6A Patch Cables With Boots	22.94	
27 16 19 00-0053	EA	10' Category 6A Patch Cables With Boots	27.51	
27 16 19 00-0054	EA	15' Category 6A Patch Cables With Boots	34.02	
27 16 19 00-0055	EA	25' Category 6A Patch Cables With Boots	41.67	
27 16 19 00-0056	EA	50' Category 6A Patch Cables With Boots	58.85	
27 16 19 00-0057	EA	100' Category 6A Patch Cables With Boots	102.31	
27 16 19 00-0058	EA	3' Category 5E Patch Cables With Plastic Arch	16.23	
27 16 19 00-0059	EA	5' Category 5E Patch Cables With Plastic Arch	17.67	
27 16 19 00-0060	EA	7' Category 5E Patch Cables With Plastic Arch	19.13	
27 16 19 00-0061	EA	10' Category 5E Patch Cables With Plastic Arch	27.86	
27 16 19 00-0062	EA	15' Category 5E Patch Cables With Plastic Arch	35.04	
27 16 19 00-0063	EA	25' Category 5E Patch Cables With Plastic Arch	46.04	
27 16 19 00-0064	EA	3' Category 6 Patch Cables With Plastic Arch	17.95	
27 16 19 00-0065	EA	5' Category 6 Patch Cables With Plastic Arch	21.61	
27 16 19 00-0066	EA	7' Category 6 Patch Cables With Plastic Arch	21.69	
27 16 19 00-0067	EA	10' Category 6 Patch Cables With Plastic Arch	26.11	
27 16 19 00-0068	EA	15' Category 6 Patch Cables With Plastic Arch	34.49	
27 16 19 00-0069	EA	25' Category 6 Patch Cables With Plastic Arch	43.07	
27 16 19 00-0070	EA	3' Category 6A Patch Cables With Plastic Arch	32.86	
27 16 19 00-0071	EA	5' Category 6A Patch Cables With Plastic Arch	35.04	
27 16 19 00-0072	EA	7' Category 6A Patch Cables With Plastic Arch	36.67	
27 16 19 00-0073	EA	10' Category 6A Patch Cables With Plastic Arch	42.35	
27 16 19 00-0074	EA	15' Category 6A Patch Cables With Plastic Arch	51.57	
27 16 19 00-0075	EA	25' Category 6A Patch Cables With Plastic Arch	65.61	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001		Fiber Optic Modems *(27 21 16)*		
27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	1,953.33	259.32
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	3,746.71	259.32
27 21 16 00-0004		Ethernet Hubs and Switches *(27 21 16)*		
27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	4,247.30	194.78
27 21 16 00-0006	EA	16 Port Unmanaged Hub	653.36	129.86
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	5,849.64	129.86
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC)	1,732.13	64.92
27 21 16 00-0009		Network Equipment *(27 21 16)*		
27 21 16 00-0010		Communications Entrance Protection *(27 21 16 00-0009)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0011	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C) Note: Excludes terminations.	1,210.65	97.39
27 21 16 00-0012	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	14.60	1.29
27 21 16 00-0013		**Communications Cabinets, Racks, Frames And Enclosures** *(27 21 16 00-0009)*		
27 21 16 00-0014	EA	19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	1,470.77	97.39
		For Fan Kit (Chatsworth 12804-701), Add	*204.97*	
27 21 16 00-0015	EA	10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	1,345.06	6.49
27 21 16 00-0016		**Communications Termination Blocks And Patch Panels** *(27 21 16 00-0009)*		
27 21 16 00-0017		**Communications Termination Blocks** *(27 21 16 00-0016)*		
27 21 16 00-0018	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	378.00	19.45
27 21 16 00-0019	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	351.74	19.45
27 21 16 00-0020	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	843.96	19.45
27 21 16 00-0021	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	784.90	19.45
27 21 16 00-0022	EA	110 Connector System Mounting Brackets (CommScope 107535593)	118.09	19.45
27 21 16 00-0023	EA	110 Connector System Mounting Brackets (CommScope 107535585)	127.63	19.45
27 21 16 00-0024	EA	110 Connector System Mounting Brackets (CommScope 107098816)	145.49	19.45
27 21 16 00-0025		**Communications Copper Patch Panels** *(27 21 16 00-0016)* Note: Excludes cabinet and terminations.		
27 21 16 00-0026	EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	372.74	42.20
27 21 16 00-0027	EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	680.55	51.95
27 21 16 00-0028	EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	552.62	42.20
27 21 16 00-0029	EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	1,032.83	51.95
27 21 16 00-0030		**Communications Optical Fiber Patch Panels** *(27 21 16 00-0016)*		
27 21 16 00-0031		**Closet Connector Housings** *(27 21 16 00-0030)*		
27 21 16 00-0032	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U) Note: Accepts up to 2 closet connector housing panels. Excludes panels.	454.76	25.97
27 21 16 00-0033	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U) Note: Accepts up to 4 closet connector housing panels. Excludes panels.	530.94	25.97
27 21 16 00-0034	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U) Note: Accepts up to 12 closet connector housing panels. Excludes panels.	662.30	25.97
27 21 16 00-0035	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	100.05	12.99
27 21 16 00-0036	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	133.19	12.99
27 21 16 00-0037	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	111.75	12.99
27 21 16 00-0038	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	143.90	12.99
27 21 16 00-0039		**Communications Cable Management** *(27 21 16 00-0009)*		
27 21 16 00-0040		**Horizontal Communication Cable Management** *(27 21 16 00-0039)*		
27 21 16 00-0041	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	166.44	25.97
27 21 16 00-0042	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	172.37	25.97
27 21 16 00-0043		**Vertical Communication Cable Management** *(27 21 16 00-0039)*		
27 21 16 00-0044	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	1,030.44	64.92
27 21 16 00-0045	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	1,068.81	64.92
27 21 16 00-0046	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	1,155.22	64.92
27 21 16 00-0047		**Communications Patch Cords, Station Cords, And Cross Connect Wire** *(27 21 16 00-0009)*		
27 21 16 00-0048		**Premise Cross-Connect Wire** *(27 21 16 00-0047)*		
27 21 16 00-0049	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	1.32	0.65
27 21 16 00-0050		**Pathways For Communications Systems** *(27 21 16 00-0009)*		
27 21 16 00-0051		**Conduits And Back Boxes For Communication Systems** *(27 21 16 00-0050)*		
27 21 16 00-0052		**Flexible Conduit For Communication Systems** *(27 21 16 00-0051)*		
27 21 16 00-0053	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C)	578.93	233.38
27 21 16 00-0054	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C)	889.24	233.38
27 21 16 00-0055		**Tube Cables For Communication Systems** *(27 21 16 00-0051)*		
27 21 16 00-0056		**Outdoor/All-Dielectric Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0057	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	400.52	155.59
27 21 16 00-0058	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	580.75	194.48
27 21 16 00-0059	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	925.27	233.38
27 21 16 00-0060		**Indoor/Riser Rated Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0061	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	449.40	155.59
27 21 16 00-0062	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	542.90	175.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0063	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	614.69	194.48
27 21 16 00-0064	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	1,078.70	233.38
27 21 16 00-0065		**Indoor/Plenum Rated Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0066	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	347.57	155.59
27 21 16 00-0067	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	472.48	155.59
27 21 16 00-0068	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	700.40	175.03
27 21 16 00-0069	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	993.50	194.48
27 21 16 00-0070	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,932.00	233.38
27 21 16 00-0071		**Unjacketed Single Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0072	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	309.56	155.59
27 21 16 00-0073		**Multimode Fiber Bundles** *(27 21 16 00-0055)* Note: Includes optical fiber cables.		
27 21 16 00-0074	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	123.95	46.68
27 21 16 00-0075	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	176.90	46.68
27 21 16 00-0076	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	233.93	46.68
27 21 16 00-0077	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	407.72	46.68
27 21 16 00-0078	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	584.97	54.45
27 21 16 00-0079	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	758.76	54.45
27 21 16 00-0080		**Singlemode Fiber Bundles** *(27 21 16 00-0055)* Note: Includes optical fiber cables.		
27 21 16 00-0081	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	113.09	46.68
27 21 16 00-0082	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	136.17	46.68
27 21 16 00-0083	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	155.18	46.68
27 21 16 00-0084	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	191.84	46.68
27 21 16 00-0085	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	286.27	54.45
27 21 16 00-0086	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	369.09	54.45
27 21 16 00-0087		**Tube Distribution Cabinets** *(27 21 16 00-0055)*		
27 21 16 00-0088	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU) Note: Up to six 7-tube cables or two 19-tube cables.	235.45	64.92
27 21 16 00-0089		**Modular Fiber Termination Cabinets** *(27 21 16 00-0055)*		
27 21 16 00-0090	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	288.69	64.92
27 21 16 00-0091	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	305.52	64.92
27 21 16 00-0092		**Tube Distribution Accessories** *(27 21 16 00-0055)*		
27 21 16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	14.88	6.49
27 21 16 00-0094	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	16.06	6.49
27 21 16 00-0095	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	19.10	6.49
27 21 16 00-0096		**Communications Optical Fiber Cabling** *(27 21 16 00-0009)*		
27 21 16 00-0097		**Communications Optical Fiber Cable Splicing And Terminations** *(27 21 16 00-0096)*		
27 21 16 00-0098		**Field Installed Fiber Connectors** *(27 21 16 00-0097)*		
27 21 16 00-0099	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	38.60	9.73
27 21 16 00-0100	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	34.70	9.73
27 21 16 00-0101		**Buffer Tube Fan-Out Kits** *(27 21 16 00-0097)*		
27 21 16 00-0102		**Buffer Tube Breakout Kits (Sumitomo)** *(27 21 16 00-0101)* Note: Includes 900 micron tubing.		
27 21 16 00-0103	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	275.61	129.66
27 21 16 00-0104	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	279.69	129.66
27 21 16 00-0105	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	283.28	129.66
27 21 16 00-0106	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	294.46	129.66
27 21 16 00-0107	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	309.75	129.66
27 21 16 00-0108	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	321.10	129.66
27 21 16 00-0109		**Buffer Tube Fan-Out Kits (Corning)** *(27 21 16 00-0101)*		
27 21 16 00-0110	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	277.50	129.66
27 21 16 00-0111	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	317.84	129.66
27 21 16 00-0112		**Communications Copper Cabling** *(27 21 16 00-0009)*		
27 21 16 00-0113		**Copper Communications Cable Splicing And Terminations** *(27 21 16 00-0112)*		
27 21 16 00-0114		**Copper Communications Cable Splice Cases** *(27 21 16 00-0113)*		
27 21 16 00-0115	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	1,275.68	259.32
27 21 16 00-0116	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	1,492.05	259.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0117	EA	12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	2,211.04	259.32

27 21 16 00-0118 Modular Splice Connectors *(27 21 16 00-0113)*

27 21 16 00-0119	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	140.16	64.82
27 21 16 00-0120	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	137.82	64.82
27 21 16 00-0121	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	140.21	64.82
27 21 16 00-0122	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	139.88	64.82

27 21 26 Data Communications Network Management *(27 21)*

27 21 26 00-0001 Data Communications Network Management *(27 21 26)*

27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	715.51	32.42
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	549.75	32.42
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	768.74	32.42
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	1,207.87	32.42
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	111.84	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	533.10	19.45
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	887.91	32.42
27 21 26 00-0009	EA	VPN Router (Cisco 819HG)	5,284.19	415.53
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	3,780.83	415.53
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	19,723.50	155.59
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	619.48	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	13,426.12	155.59
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	29,151.66	155.59
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	686.91	12.99
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	5,037.72	16.20
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	4,368.74	16.20
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	78.20	6.49
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	251.92	64.82
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS)	3,846.50	155.59
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	815.08	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	26.13	6.49
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	340.53	16.20
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	847.57	16.23
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM)	124.23	6.49
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	4,550.33	155.59
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	818.34	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	725.26	16.20
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	736.67	16.20
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,571.32	155.59
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	399.27	16.23
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,874.60	16.23
27 21 26 00-0033	EA	Router (CISCO IR829)	1,678.55	64.92

27 21 29 Data Communications Switches and Hubs *(27 21)*

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels *(27 21 29)*

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	125.22	6.48
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	138.25	6.48
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	163.45	6.48
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	171.19	6.48
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	187.17	8.11
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	177.61	6.48
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	222.89	8.11
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar	69.51	8.11

27 21 33 Data Communications Wireless Access Points *(27 21)*

27 21 33 00-0001 Data Communications Wireless Access Points *(27 21 33)*

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	5,151.36	194.48
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	12,369.23	194.48
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	12,369.23	194.48
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	2,018.77	194.48
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	2,365.85	216.44
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	6,618.32	216.44
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	10,055.43	216.44
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	10,055.43	216.44
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	2,062.83	72.15
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	2,091.69	72.15
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	194.86	36.07
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,793.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	641.54	64.82
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH)	531.91	64.82
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	94.58	25.93
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	83.06	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	48.52	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	341.48	64.82
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	343.61	64.82
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	468.61	64.92
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS)	1,183.02	97.39
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	1,512.98	97.39
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	85.12	19.45
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	321.11	72.15
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890–960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38–51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	1,052.06	72.15
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	5,175.33	64.92
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150)	2,628.87	64.82

27 30 Voice Communications *(27)*

27 32 Voice Communications Terminal Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets *(27 32)*

27 32 13 00-0001 Interior Telephone Components *(27 32 13)*

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply	7,983.25	1,184.80
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet	958.42	96.85
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable	486.21	103.85
27 32 13 00-0005	EA	Loud Ring Bell, 6"	381.38	96.34
27 32 13 00-0006	EA	Audio/Visual Indicator	486.23	90.76
27 32 13 00-0007	EA	Administrative Telephone With Digital Display	506.58	81.43
27 32 13 00-0008	EA	Processing Unit For 16 Station System	2,507.88	664.23
27 32 13 00-0009	EA	Handset For 16 Station System	357.10	66.13
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System	483.73	89.20
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22	3,224.74	1,429.72
27 32 13 00-0012	EA	Power Supply For 16 Station System	448.21	176.46
27 32 13 00-0013	EA	Intercom Terminal Board	395.70	198.63
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	465.98	176.46
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	227.38	72.50
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	711.85	159.57
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	840.76	181.36
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	1,019.74	214.65
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	1,203.75	232.06
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,878.30	264.05
27 32 13 00-0021	EA	Ring Rung 3"	14.00	7.23
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	35.06	12.84
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	63.63	26.32

27 32 13 00-0024 Interior Telephone Accessories *(27 32 13)*

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	14.43	7.00
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	30.93	26.97
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	75.46	29.61
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete	71.85	29.61
27 32 13 00-0029	EA	Terminating Strips, Inside	145.51	59.23
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	65.10	30.47
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair	175.81	71.44
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair	204.64	79.86
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair	65.70	23.99
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	63.93	30.08
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair	721.90	173.22
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair	848.09	175.94
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	288.25	72.09
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	296.90	72.09
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	391.30	92.19
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	805.41	166.09
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair	1,103.90	189.56
27 32 13 00-0042	EA	Gas Protection Module	18.03	6.48
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	29.88	5.92

27 32 26 Ring-Down Emergency Telephones *(27 32)*

27 32 26 00-0001 Emergency Telephone *(27 32 26)*

Note: Includes CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	11,910.59	531.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	12,528.02	531.89
27 32 26 00-0004	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	205.81	
27 32 26 00-0005	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K)	308.71	
27 32 26 00-0006	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	771.78	
27 32 26 00-0007	EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2)	1,049.63	
27 32 26 00-0008	EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K)	1,152.53	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	185.23	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,955.19	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	905.56	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	2,932.78	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	6,163.98	
27 32 26 00-0016	EA	Active Venting Code Blue Option	329.29	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option Note: Requires 120V AC external power supplied to Code Blue unit.	2,871.04	
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	720.33	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option Note: Excludes camera.	1,636.18	
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	72.03	

27 32 26 00-0021 City Police Call System *(27 32 26)*

27 32 26 00-0022 Components *(27 32 26 00-0021)*

27 32 26 00-0023	EA	City Police Call System	928.52	151.18
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	829.19	218.99

27 40 Audio-Video Communications *(27)*

27 41 Audio-Video Systems *(27 40)*

27 41 16 Integrated Audio-Video Systems and Equipment *(27 41)*

Note: Includes testing of new devices and certification.

27 41 16 00-0001 Television Distribution System *(27 41 16)*

See CSI section 26 05 19 16-0323 for basic wiring.

27 41 16 00-0002 Mounted Television Support *(27 41 16 00-0001)*

27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20"	513.75	145.44
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	664.21	162.32
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27"	536.59	145.44
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	687.05	162.32
27 41 16 00-0007	EA	Wall Mounted Television Support, 13"	407.14	116.87
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack	557.58	129.86
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20"	437.12	116.87
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	587.56	129.86
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27"	467.11	116.87
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	617.55	129.86

27 41 16 00-0013 Distribution System *(27 41 16 00-0001)*

See CSI section 26 05 13 16-0001 for wire and cabling.

27 41 16 00-0014 TV Distribution Rack *(27 41 16 00-0013)*

27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	1,812.55	238.44
27 41 16 00-0016	EA	Switch And Pilot Light	279.74	105.93
27 41 16 00-0017	LF	Surface Raceway With Outlets	33.42	14.39
27 41 16 00-0018	EA	Service Label	39.56	19.84

27 41 16 00-0019 Head End Amplifier *(27 41 16 00-0013)*

27 41 16 00-0020	EA	Head End Amplifier	1,209.29	158.70

27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply *(27 41 16 00-0013)*

27 41 16 00-0022	EA	UHF In-Line Booster	704.07	158.70

27 41 16 00-0023 Preamplifiers *(27 41 16 00-0013)*

27 41 16 00-0024	EA	VHF Preamplifier	881.97	158.70
27 41 16 00-0025	EA	UHF Preamplifier	704.07	158.70

27 41 16 00-0026 Power Supplies *(27 41 16 00-0013)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0027	EA	Common Power Supply	1,259.95	226.77
27 41 16 00-0028		**Line Splitter And Mixer** *(27 41 16 00-0013)*		
27 41 16 00-0029	EA	Line Splitter	107.85	52.90
27 41 16 00-0030	EA	Two-Way Splitter	122.01	52.90
27 41 16 00-0031	EA	Frequency Filter	272.05	79.48
27 41 16 00-0032	EA	Line Splitter And Mixer	329.34	116.69
27 41 16 00-0033		**Power Line Filters** *(27 41 16 00-0013)*		
27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	528.79	105.93
27 41 16 00-0035		**Wall Box And Receiver Outlets** *(27 41 16 00-0013)*		
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	272.05	79.48
27 41 16 00-0037	EA	TV Receiver Outlet Plug	122.01	52.90
27 41 16 00-0038	EA	TV Camera Outlet Plug	122.01	52.90
27 41 16 00-0039	EA	Audio Outlet Plug	104.27	52.90
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings	217.47	105.93
27 41 16 00-0041	EA	Male Plug PL-259	122.01	52.90
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	143.53	55.49

27 41 33 Master Antenna Television Systems *(27 41)*

27 41 33 00-0001 Antenna Systems *(27 41 33)*

27 41 33 00-0002 Antenna *(27 41 33 00-0001)*

27 41 33 00-0003	EA	Amateur Radio Antenna	1,143.79	194.48
27 41 33 00-0004	EA	Multi-Band Radio Antenna	888.94	194.48

27 41 33 00-0005 Receptacles *(27 41 33 00-0001)*

27 41 33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	254.28	79.48
27 41 33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	254.28	79.48

27 50 Distributed Communications and Monitoring Systems *(27)*

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 17 Video Intercom and Exterior Gate Control System *(27 51)*

27 51 17 00-0001 Video Intercom And Exterior Gate Control System *(27 51 17)*

27 51 17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,577.24	162.32
27 51 17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,269.78	162.32
27 51 17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	538.15	162.32
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C)	1,498.92	81.16
27 51 17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C)	2,041.24	81.16
27 51 17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	155.36	32.47
27 51 17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,079.07	32.47
27 51 17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF)	1,482.65	32.47
27 51 17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	481.98	32.47
27 51 17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	543.19	32.47
27 51 17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) Note: UL Listed	147.76	16.23
27 51 17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) Note: UL Listed	160.59	16.23
27 51 17 00-0014	EA	IP Video Master Station (Aiphone IX-MV)	1,924.17	162.32
27 51 17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999)	65.91	6.49
27 51 17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	821.40	162.32
27 51 17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	772.36	32.47
27 51 17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	235.73	32.47
27 51 17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	262.78	32.47
27 51 17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	322.30	48.69
27 51 17 00-0021	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	72.06	16.23

27 51 43 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

27 51 43 00-0001 Amplifiers *(27 51 43)*

27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	582.61	129.86
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	824.66	129.86
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	980.03	129.86
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	1,090.88	129.86
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	1,359.49	129.86
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	1,761.17	129.86
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	69.85	6.49

27 51 43 00-0009 Splitters *(27 51 43)*

27 51 43 00-0010	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,515.07	97.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 43 00-0011	EA	1-in/11-out Splitter (Doug Fleenor DMX)	3,170.82	97.24
27 51 43 00-0012		**Speakers** *(27 51 43)*		
27 51 43 00-0013	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	227.61	34.75
27 51 43 00-0014	EA	8" Steel Baffle (Atlas Sound 51-8)	72.84	6.48
27 51 43 00-0015	EA	T-Bar Support (Atlas Sound EZ95-8)	81.29	6.48
27 51 43 00-0016	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	126.59	6.48
27 51 43 00-0017	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	117.44	11.66
27 51 43 00-0018	EA	PA Speakers, 30 Watt Cone Wall Type	982.52	87.13
27 51 43 00-0019	EA	PA Speakers, 15 Watt Cone Wall Type	520.91	86.87
27 51 43 00-0020	EA	PA Speakers, 15 Watt Ceiling Type	520.91	86.87
27 51 43 00-0021	EA	PA Speakers, 15 Watt Dual Cone Wall Type	868.07	86.87
27 51 43 00-0022	EA	PA Speakers, Ceiling Speaker, 7-1/2" Diameter With 4" Speaker Area, Vinyl Clad Round Metal Grille	179.20	51.87
27 51 43 00-0023	EA	PA Speakers, 12 Watt Standard Paging Speaker With 360 Degree Swivel Bracket	414.96	51.87
27 51 43 00-0024	EA	PA Speakers, 15 Watt Standard Paging Speaker With Dustproof/Moistureproof Housing, Indoor/Outdoor	596.88	51.87
27 51 43 00-0025	EA	PA Speakers, 30 Watt Standard Paging Box Speaker, High Impact Plastic, 8 Ohm	402.75	51.87
27 51 43 00-0026	EA	PA Speakers, 30 Watt Standard Paging Box Speaker, High Impact Plastic, 25 Volt / 70 Volt / 100 Volt	475.53	51.87
27 51 43 00-0027	EA	PA Speakers, 60 Watt Marine Speaker, High Impact Acrylonitrile Butadiene Styrene (ABS) Plastic	784.66	51.87
27 51 43 00-0028	EA	PA Speakers, 15 Watt Hazardous Location Speaker, Class I, Division 1, Groups A, B, C, D; Class II, Division 2, Groups F And G	603.08	51.87
27 51 43 00-0029	EA	PA Speakers, 30 Watt Hazardous Location Speaker, Class I, Division 1, Groups A, B, C, D; Class II, Division 2, Groups F And G	1,109.26	51.87
27 51 43 00-0030	EA	PA Speakers, 15 Watt Explosionproof Speaker, Class I, Division 1, Groups B, C, D; Class II, Division 1, Groups E, F And G	1,890.70	51.87
27 51 43 00-0031	EA	Warning Horn, 120 Volt AC, 4" x 4", 100 dB, Outdoor Use	382.04	51.87
27 51 43 00-0032	EA	Cast Aluminum Weatherproof Box For Warning Horn, 4-3/8" x 4-3/8", Outdoor Use	168.54	25.93
27 51 43 00-0033		**Accessories** *(27 51 43)*		
27 51 43 00-0034	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	339.84	16.23
27 51 43 00-0035	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	763.59	16.23
27 51 43 00-0036	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	193.52	32.47
27 51 43 00-0037	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	358.36	32.47
27 51 43 00-0038	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	261.99	32.42
27 51 43 00-0039	EA	Microphone Jack For Audio/Video System	121.29	32.47
27 51 43 00-0040	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	1,025.21	129.86
27 51 43 00-0041	EA	Volume Control For Audio/Video System (Bogen AT10A)	115.95	32.47
27 51 43 00-0042	EA	Round Bridge for 8" (S86/S810) Reccessed Speakers (Bogen Communications TB8)	81.38	32.47
27 51 43 00-0043		**Removal And Reinstallation Of Speakers** *(27 51 43)* Note: Includes storage, cleaning and supply materials.		
27 51 43 00-0044	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	181.52	

27 52 Healthcare Communications and Monitoring Systems *(27 50)*

27 52 23 Nurse Call/Code Blue Systems *(27 52)*

27 52 23 00-0001		**Wireless Equipment Nurses Call Systems** *(27 52 23)* Note: Includes all mounting hardware, batteries, cable and connections. Telectronic.		
27 52 23 00-0002		**Wireless Nurses Call System** *(27 52 23 00-0001)*		
27 52 23 00-0003	EA	NurseCall Main Unit (Rechargeable Battery Included); NCM2	8,784.63	
27 52 23 00-0004	EA	NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	9,743.83	
27 52 23 00-0005	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	6,211.55	
27 52 23 00-0006	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	5,024.52	
27 52 23 00-0007	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	4,519.59	
27 52 23 00-0008	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	4,014.52	
27 52 23 00-0009	EA	Resident Bed Station With Relay; N45	1,047.87	
27 52 23 00-0010	EA	Bed Push Button For Use With N45 (9'); RB13-9	507.60	
27 52 23 00-0011	EA	Pull Cord Replacement For S35; S35PC	34.67	
27 52 23 00-0012	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	741.00	
27 52 23 00-0013	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	741.00	
27 52 23 00-0014	EA	Remote Reset Button; S35R	719.30	
27 52 23 00-0015	EA	Waterproof Wrist Transmitter (Automatic Supervision); S37	504.50	
27 52 23 00-0016	EA	Wrist Band Replacement For S37; S37WB	43.97	
27 52 23 00-0017	EA	Locate 1 Waterproof Wrist Transceiver; S37L	619.19	
27 52 23 00-0018	EA	Locate 1 Beacon; IS75	1,973.77	
27 52 23 00-0019	EA	Wireless Smoke Detector Transmitter; SD35	1,258.18	
27 52 23 00-0020	EA	Wireless Door Contact Transmitter; RAC35	976.10	
27 52 23 00-0021	EA	Wireless Time Controlled Door Contact; RAC45	976.10	
27 52 23 00-0022	EA	Local Receiver With Relay (110 Volt AC); LE9	1,211.68	
27 52 23 00-0023	EA	Voice Response Unit (Rechargeable Battery Included); S10	2,063.17	
27 52 23 00-0024	EA	Alarm Receiving Unit (Rechargeable Battery Included); ARU	4,105.53	
27 52 23 00-0025	EA	NurseCall Programming Software; NPS	11,522.73	
27 52 23 00-0026	EA	NurseCall Printer Interface; NCPI	3,907.75	
27 52 23 00-0027	EA	NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	20,325.87	
27 52 23 00-0028	EA	9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	90.74	
27 52 23 00-0029	EA	6V Lithium Battery (Replacement For S35 And RAC35); LIT6	81.44	
27 52 23 00-0030	EA	9V Alkaline Battery (Replacement For N45); ALK9	38.05	
27 52 23 00-0031	EA	Giant LED Single Sided Display; NCGD	20,066.48	
27 52 23 00-0032	EA	Serial Printer; NCSP	2,077.98	
27 52 23 00-0033	EA	Modular Duplex T-Adapter (Replacement For S10); SE-486A	40.87	
27 52 23 00-0034	EA	AC Adapter (Replacement For S10); STA-4110A	78.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0035	EA	S10 Phone Cord (Replacement For S10); STC	40.87	
27 52 23 00-0036	EA	Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	8,881.78	
27 52 23 00-0037	EA	Waveware Pagers; DAP-040	1,252.04	

27 52 23 00-0038 Wireless Nurses Call Tele/Management System *(27 52 23 00-0001)*

27 52 23 00-0039	EA	Tele/Management Unit; TP12	4,861.23	
27 52 23 00-0040	EA	Tele/Management Software; TP12S	4,713.59	

27 52 23 00-0041 Wireless Nurses Call Paging System *(27 52 23 00-0001)*

27 52 23 00-0042	EA	Standard Paging System (2.5 Watt Transmitter); RPE673	14,398.26	
27 52 23 00-0043	EA	Removal And Replacement Of Antenna For RPE673; RPE673AN	1,009.93	
27 52 23 00-0044	EA	Removal And Replacement Of Power For RPE673; RPE673PS	1,363.30	
27 52 23 00-0045	EA	Alphanumeric Pager; RPR583	1,670.17	
27 52 23 00-0046	EA	Removal And Replacement Of Holster For RPR583; RPR583H	91.01	

27 52 23 00-0047 Wireless Nurses Call System (Fisher-Berkley) *(27 52 23 00-0001)*

Note: Repair Parts: Alco Sales

27 52 23 00-0048	EA	Staff Station (Fisher-Berkley AL-59900R)	954.61	
27 52 23 00-0049	EA	Area Central Module (Fisher-Berkley AL-59901R)	758.91	
27 52 23 00-0050	EA	Dual Patient (Fisher-Berkley AL-59902R)	889.48	
27 52 23 00-0051	EA	Code Blue (Fisher-Berkley AL-59903R)	497.98	
27 52 23 00-0052	EA	Bath Emergency Station (Fisher-Berkley AL-59904R)	780.66	
27 52 23 00-0053	EA	Single Station With Sidecoom (Fisher-Berkley AL-59905R)	1,019.84	
27 52 23 00-0054	EA	Dual Station With Sidecom (Fisher-Berkley AL-59906R)	1,367.34	
27 52 23 00-0055	EA	Single Patient Station (Fisher-Berkley AL-59907R)	541.47	
27 52 23 00-0056	EA	Duty Station (Fisher-Berkley AL-59908R)	584.96	
27 52 23 00-0057	EA	Master Station (Fisher-Berkley AL-59909R)	7,519.28	
27 52 23 00-0058	EA	Station In/Out Board (Fisher-Berkley AL-59910R)	3,693.14	
27 52 23 00-0059	EA	Power Supply (Fisher-Berkley AL-59911R)	3,826.03	
27 52 23 00-0060	EA	Pillow Speaker (Fisher-Berkley AL-59913R)	715.42	
27 52 23 00-0061	EA	Staff Presence Station (Fisher-Berkley AL-59914R)	541.47	
27 52 23 00-0062	EA	HB System Patient Station (Fisher-Berkley AL-59915R)	606.70	
27 52 23 00-0063	EA	HB System Staff Station (Fisher-Berkley AL-59916R)	563.22	
27 52 23 00-0064	EA	Station In/Out Board Expdr (Fisher-Berkley AL-59917R)	3,062.97	
27 52 23 00-0065	EA	Master In/Out Board (Fisher-Berkley AL-59918R)	2,497.63	
27 52 23 00-0066	EA	MMC Central Processor Unit (Fisher-Berkley AL-59919R)	3,054.27	

27 52 23 00-0067 Equipment Nurses Call Systems *(27 52 23)*

27 52 23 00-0068	EA	Nurses Call System, Page/Talk Relay Intercommunication Equipment	306.21	67.42
27 52 23 00-0069	EA	Nurses Call System, Main Equipment Panel Intercommunication Equipment	3,312.95	269.69
27 52 23 00-0070	EA	Nurses Call System, Re-Entrant Horn Intercommunication Equipment	321.94	88.16
27 52 23 00-0071	EA	Nurses Call System, Nurses Control Station Intercommunication Equipment	1,569.14	259.32
27 52 23 00-0072	EA	Nurses Call System, Duty Station Intercommunication Equipment	796.21	202.27
27 52 23 00-0073	EA	Nurses Call System, Staff Station Intercommunication Equipment	420.23	67.42
27 52 23 00-0074	EA	Nurses Call System, Single Bedside Station Intercommunication Equipment	397.70	67.42
27 52 23 00-0075	EA	Nurses Call System, Double Bedside Station Intercommunication Equipment	606.62	117.98
27 52 23 00-0076	EA	Nurses Call System, Emergency Call Button Intercommunication Equipment	180.23	51.87
27 52 23 00-0077	EA	Nurses Call System, Pull Cord Button Intercommunication Equipment	165.72	51.87
27 52 23 00-0078	EA	Nurses Call System, Single Dome Light Intercommunication Equipment	120.12	33.71
27 52 23 00-0079	EA	Nurses Call System, Double Dome Light Intercommunication Equipment	174.03	51.87
27 52 23 00-0080	EA	Nurses Call System, Pillow Speaker Intercommunication Equipment	269.80	33.71
27 52 23 00-0081	EA	Nurses Call System, Cord Set Intercommunication Equipment	131.04	33.71
27 52 23 00-0082	EA	Nurse Call System, Master-20 Station	6,784.73	259.32
27 52 23 00-0083	EA	Dukane Duty Station - Tone Only, PC1000	1,098.01	202.40

27 52 23 00-0084 Aiphone Entry System/Nursing Pull Station *(27 52 23)*

27 52 23 00-0085	EA	Call Master 50 (Aiphone Model #NHX50M)	2,867.00	259.32
27 52 23 00-0086	EA	Call Add on 30 (Aiphone Model #NHX30G)	1,579.62	64.82
27 52 23 00-0087	EA	Central Control Unit (Aiphone Model #NHX80X)	3,523.04	388.97
27 52 23 00-0088	EA	Call add on/CCU 30 (Aiphone Model #NHR30X)	1,579.62	64.82
27 52 23 00-0089	EA	Power Supply (Aiphone Model #PS240UL)	292.00	12.97
27 52 23 00-0090	EA	Bedroom Station (Aiphone Model #NH1SAA)	454.18	64.82
27 52 23 00-0091	EA	7' Cord (Aiphone Model #NHR8A)	71.37	6.48
27 52 23 00-0092	EA	Cable, 5 Pair, 22 AWG, Shielded (Aiphone Model #86221025A)	1,636.72	661.25
27 52 23 00-0093	EA	Cable, 3 Pair, 22 AWG, Shielded (Aiphone Model #82220350C)	1,451.53	549.65

27 53 Distributed Systems *(27 50)*

27 53 13 Clock Systems *(27 53)*

27 53 13 13 Wireless Clock Systems *(27 53 13)*

27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling) *(27 53 13 13)*

27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series) *(27 53 13 13-0001)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0003	EA	Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1	8,292.59	97.24
27 53 13 13-0004	EA	Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1)	8,768.95	97.24
27 53 13 13-0005	EA	Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1)	4,719.89	97.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0006	EA	Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1)	5,196.25	97.24
27 53 13 13-0007	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,260.40	
27 53 13 13-0008		**Wireless Repeaters (Sapling)** *(27 53 13 13-0001)*		
27 53 13 13-0009	EA	Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1)	2,029.43	64.82
27 53 13 13-0010	EA	Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1)	2,273.28	64.82
27 53 13 13-0011		**Wireless Round Analog Clocks (Sapling SAL-4 Series)** *(27 53 13 13-0001)*		
		Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0012	EA	Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0)	440.29	32.42
27 53 13 13-0013	EA	Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0)	278.70	32.42
27 53 13 13-0014	EA	Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0)	526.12	32.42
27 53 13 13-0015	EA	Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0)	314.34	32.42
27 53 13 13-0016		**Wireless GPS Accesories (Sapling)** *(27 53 13 13-0001)*		
27 53 13 13-0017	EA	GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1)	87.73	25.93
27 53 13 13-0018	EA	Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1)	123.60	25.93
27 53 13 13-0019	EA	GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1)	1,054.89	56.73
27 53 13 13-0020	EA	GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1)	1,873.78	81.04
27 53 13 13-0021	EA	GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1)	654.86	6.48
27 53 13 13-0022		**2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series)** *(27 53 13 13)*		
		Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non-Cancelable, Non-Returnable (NCNR). (50) Clock Mininum Quantity Required Per System order for SDLG-32S-256-4R. (25) Clock Mininum Quantity Required Per System order for SDLG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.		
27 53 13 13-0023	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SDLG-32S-256-4R)	1,392.51	97.24
		Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0024	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SDLG-32S-256-1R)	1,424.17	97.24
		Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0025	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-4R)	1,704.50	97.24
		Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0026	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-1R)	1,736.17	97.24
		Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0027	EA	Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0)	188.04	25.93
27 53 13 13-0028	EA	Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0)	188.04	25.93
27 53 13 13-0029	EA	Clock Message Setup Fee, Per Clock (Sapling CLK-MSG-SETUP)	32.60	
27 53 13 13-0030	EA	USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1)	263.24	3.24
27 53 13 13-0031	EA	Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0)	526.48	6.48
27 53 13 13-0032	EA	Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0)	96.14	3.24
27 53 13 13-0033	EA	Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1)	19.22	0.65
27 53 13 13-0034	EA	Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0)	120.56	6.48
27 53 13 13-0035		**2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series)** *(27 53 13 13)*		
		Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0036	EA	Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1)	6,883.84	97.24
27 53 13 13-0037	EA	Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1)	9,471.95	97.24
27 53 13 13-0038	EA	Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0)	3,039.57	64.82
27 53 13 13-0039	EA	Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1	1,747.23	64.82
27 53 13 13-0040	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,260.40	
27 53 13 13-0041	EA	Countdown Feature Upgrade (Sapling SMA-000-CDOW-0)	1,613.90	
27 53 13 13-0042		**Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling)** *(27 53 13 13)*		
		Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant betwen the cover and wall is recommended.		
27 53 13 13-0043	EA	Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12)	443.23	16.20
27 53 13 13-0044	EA	Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25)	443.23	16.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0045		**Wire Guards For Wireless Synchronized Clocks** *(27 53 13 13)*		
27 53 13 13-0046	EA	Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200)	245.81	16.20
27 53 13 13-0047	EA	Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017)	342.04	16.20
27 53 13 13-0048		**Wireless Synchronized Clock Transmitters** *(27 53 13 13)*		
27 53 13 13-0049		**Analog, Wireless Synchronized Clocks (Primex Traditional Series)** *(27 53 13 13-0048)*		
27 53 13 13-0050	EA	12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	350.12	32.42
		For >250, Deduct	*-72.47*	
		For >100 To 250, Deduct	*-61.06*	
27 53 13 13-0051	EA	12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock	635.42	32.42
		For >250, Deduct	*-49.65*	
		For >100 To 250, Deduct	*-41.09*	
27 53 13 13-0052	EA	16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	409.14	32.42
		For >250, Deduct	*-85.45*	
		For >100 To 250, Deduct	*-71.68*	
27 53 13 13-0053	EA	12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock	399.31	32.42
		For >250, Deduct	*-83.29*	
		For >100 To 250, Deduct	*-69.91*	
27 53 13 13-0054	EA	12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock	733.79	32.42
		For >250, Deduct	*-56.53*	
		For >100 To 250, Deduct	*-46.50*	
27 53 13 13-0055	EA	16", Electric, Single Sided, Analog, Wireless Synchronized Clock	458.33	32.42
		For >250, Deduct	*-68.73*	
		For >100 To 250, Deduct	*-52.99*	
27 53 13 13-0056		**Digital, Wireless Synchronized Clocks (Primex Digital Series)** *(27 53 13 13-0048)*		
27 53 13 13-0057		**4-Digit, Digital, Wireless Synchronized Clocks** *(27 53 13 13-0056)*		
27 53 13 13-0058	EA	2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	517.36	32.42
		For Green LED, Add	*45.25*	
		For >100 To 250, Deduct	*-45.91*	
		For >250, Deduct	*-68.53*	
27 53 13 13-0059	EA	2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	969.90	32.42
		For Green LED, Add	*90.51*	
		For >100 To 250, Deduct	*-100.21*	
		For >250, Deduct	*-254.08*	
27 53 13 13-0060	EA	4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	576.39	32.42
		For Green LED, Add	*51.16*	
		For >250, Deduct	*-48.07*	
		For >100 To 250, Deduct	*-32.72*	
27 53 13 13-0061	EA	4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	1,087.96	32.42
		For Green LED, Add	*102.31*	
		For >100 To 250, Deduct	*-91.55*	
		For >250, Deduct	*-285.95*	
27 53 13 13-0062		**6-Digit, Digital, Wireless Synchronized Clocks** *(27 53 13 13-0056)*		
27 53 13 13-0063	EA	2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	576.39	32.42
		For Green LED, Add	*51.16*	
		For >100 To 250, Deduct	*-37.84*	
		For >250, Deduct	*-54.21*	
27 53 13 13-0064	EA	2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	1,087.96	32.42
		For Green LED, Add	*102.31*	
		For >250, Deduct	*-193.87*	
		For >100 To 250, Deduct	*-82.35*	
27 53 13 13-0065	EA	2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock	674.77	32.42
		For Green LED, Add	*61.00*	
		For >100 To 250, Deduct	*-31.05*	
		For >250, Deduct	*-46.30*	
27 53 13 13-0066		**Wire Guards For Wireless Synchronized Clocks** *(27 53 13 13-0048)*		
27 53 13 13-0067	EA	18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks	179.99	16.20
27 53 13 13-0068	EA	Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks	81.61	16.20
27 53 13 13-0069	EA	Digital Clock Wire Guard For 4" Wireless Synchronized Clocks	91.45	16.20
27 53 13 13-0070		**Wireless Synchronized Clock Transmitters** *(27 53 13 13-0048)*		
		Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.		
27 53 13 13-0071	EA	Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000)	3,923.03	97.24
		For Roof Mounted GPS Receiver, Add	*566.94*	
27 53 13 13-0072	EA	External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E)	6,392.33	97.24
		Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
		For Roof Mounted GPS Receiver, Add	*813.87*	
27 53 13 13-0073	EA	Repeater, Satellite Transmitter (Primex 14006)	3,858.21	64.82
		Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
27 53 13 13-0074		**Accessories For Wireless Synchronized Clock Transmitters** *(27 53 13 13-0048)*		
27 53 13 13-0075	EA	External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters	347.01	25.93
27 53 13 13-0076	EA	Transmitter Rack For Wireless Synchronized Clock Transmitters	154.18	25.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0077	EA	Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters	233.34	12.97
27 53 13 13-0078	EA	50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	196.65	32.42
27 53 13 13-0079	EA	100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	274.32	48.62
27 53 13 13-0080	EA	200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	405.12	64.82

27 53 13 16 Wired Clock Systems *(27 53 13)*

27 53 13 16-0001 Wired Self-Corrective Clock Systems *(27 53 13 16)*

27 53 13 16-0002 Wired Self-Corrective Clocks *(27 53 13 16-0001)*

27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) *(27 53 13 16-0002)*

27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 16-0003)*

27 53 13 16-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	297.98	32.42
		For >50 To 100, Deduct	*-19.03*	
		For >100, Deduct	*-28.36*	
27 53 13 16-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	714.12	32.42
		For >50 To 100, Deduct	*-35.68*	
		For >100, Deduct	*-61.65*	
27 53 13 16-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	374.71	32.42
		For >50 To 100, Deduct	*-25.20*	
		For >100, Deduct	*-37.59*	
27 53 13 16-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	944.32	32.42
		For >50 To 100, Deduct	*-97.65*	
		For >100, Deduct	*-132.83*	

27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 16-0003)*

27 53 13 16-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	297.98	32.42
		For >50 To 100, Deduct	*-19.03*	
		For >100, Deduct	*-28.36*	
27 53 13 16-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	714.12	32.42
		For >50 To 100, Deduct	*-35.68*	
		For >100, Deduct	*-61.65*	
27 53 13 16-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	374.71	32.42
		For >50 To 100, Deduct	*-25.20*	
		For >100, Deduct	*-37.59*	
27 53 13 16-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	944.32	32.42
		For >50 To 100, Deduct	*-97.65*	
		For >100, Deduct	*-132.83*	

27 53 13 16-0014 Accessories For Analog Wired Self-Corrective Clocks *(27 53 13 16-0003)*

27 53 13 16-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	246.39	16.20
27 53 13 16-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	61.93	16.20
27 53 13 16-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	78.91	16.20
27 53 13 16-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	96.62	16.20
27 53 13 16-0019	EA	Combination Back Box For Speaker And Clock	164.72	25.93

27 53 13 16-0020 Digital, Wired Self-Corrective Clocks (Telecor) *(27 53 13 16-0002)*

27 53 13 16-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 16-0020)*

27 53 13 16-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	368.81	32.42
		For Surface Mount, Add	*60.80*	
		For >50 To 100, Deduct	*-18.24*	
		For >100, Deduct	*-30.40*	
27 53 13 16-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	569.50	32.42
		For Surface Mount, Add	*100.94*	
		For >50 To 100, Deduct	*-30.28*	
		For >100, Deduct	*-50.47*	

27 53 13 16-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 16-0020)*

27 53 13 16-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	368.81	32.42
		For Surface Mount, Add	*60.80*	
		For >50 To 100, Deduct	*-18.24*	
		For >100, Deduct	*-30.40*	
27 53 13 16-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	569.50	32.42
		For Surface Mount, Add	*100.94*	
		For >50 To 100, Deduct	*-30.28*	
		For >100, Deduct	*-50.47*	

27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 16-0020)*

27 53 13 16-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	314.96	32.42
		For >50 To 100, Deduct	*-15.01*	
		For >100, Deduct	*-25.01*	
27 53 13 16-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	520.80	32.42
		For >50 To 100, Deduct	*-27.36*	
		For >100, Deduct	*-45.60*	

27 53 13 16-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 16-0020)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	314.96	32.42
		For >50 To 100, Deduct	*-15.01*	
		For >100, Deduct	*-25.01*	
27 53 13 16-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	520.80	32.42
		For >50 To 100, Deduct	*-27.36*	
		For >100, Deduct	*-45.60*	

27 53 13 16-0033 Accessories For Digital Wired Self-Corrective Clocks *(27 53 13 16-0020)*

27 53 13 16-0034	EA	Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	336.41	16.20
27 53 13 16-0035	EA	2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	79.64	16.20
27 53 13 16-0036	EA	4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	110.63	16.20
27 53 13 16-0037	EA	Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	293.61	16.20
27 53 13 16-0038	EA	4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	81.86	16.20

27 53 13 16-0039 Wired Self-Corrective Master Clocks *(27 53 13 16-0001)*

27 53 13 16-0040 Wired Self-Corrective Master Clocks *(27 53 13 16-0039)*

27 53 13 16-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24)	3,464.07	259.32
27 53 13 16-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120)	3,685.42	259.32

27 53 13 16-0043 Accessories For Wired Self-Corrective Master Clocks *(27 53 13 16-0039)*

27 53 13 16-0044	EA	5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405)	353.24	64.82
27 53 13 16-0045	EA	10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406)	399.71	64.82

27 53 13 16-0046 Other Clock And Program Systems *(27 53 13 16)*

27 53 13 16-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	2,054.91	129.66
27 53 13 16-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	2,484.46	259.32
27 53 13 16-0049	EA	Program Bell (Lathem 906-6)	302.57	64.82
27 53 13 16-0050	EA	Combination Clock And Speaker	686.88	162.07

END OF SECTION 27

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security *(28)*

28 05 26 Grounding and Bonding for Electronic Safety and Security *(28 05)*

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security *(28 05)*

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control *(28)*

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices *(28 10)*

28 15 11 Integrated Credential Readers and Field Entry Management *(28 15)*

28 15 11 13 Keypads *(28 15 11)*

28 15 11 13-0001 Vindicator Security Alarm System *(28 15 11 13)*

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00	1,726.85	270.34
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00	2,182.66	351.37
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01	11,957.15	770.16
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01	5,664.44	656.33
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00	1,386.25	359.02

28 16 Access Control Interfaces *(28 10)*

28 16 11 Access Control Interfaces to Access Control Hardware *(28 16)*

28 16 11 00-0001 Stand-Alone Access Controls *(28 16 11)*

28 16 11 00-0002 Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount to a standard mullion.	151.37	32.42
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	158.58	32.42
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand-Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	200.05	32.42

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	189.83	32.42
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	913.31	97.24
28 16 11 00-0010	EA	Three Button, Exterior Stand-Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.	308.24	32.42

28 16 11 00-0011 Key Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0012 Interior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	213.57	32.42

28 16 11 00-0014 Exterior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand-Alone Access Controls Note: Opens door or gate with a postal or fire department key.	328.00	64.82
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand-Alone Access Controls	519.12	64.82
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand-Alone Access Controls	519.12	64.82
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand-Alone Access Controls	793.19	64.82

28 16 11 00-0019 Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)*

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand-Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	299.22	32.42
28 16 11 00-0022	EA	One Code Memory, Keyless Electronic Lock With Handle (Digilock DAK1-ATS) Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	238.58	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0023	EA	One Code Memory, Keyless Electronic Lock (Digilock DAK1-ATS) Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	211.80	32.42
28 16 11 00-0024		**Exterior Mount, Keypad Controls, Stand-Alone Access Controls** *(28 16 11 00-0019)* Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0025		**Keypad Controls, Exterior Stand-Alone Access Controls** *(28 16 11 00-0024)*		
28 16 11 00-0026	EA	1000 Code Memory, Keypad Control, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,251.01	129.66
		For Flush Mount, Add	*223.13*	
28 16 11 00-0027		**Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls** *(28 16 11 00-0024)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0028	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,517.81	145.86
		For Flush Mount, Add	*275.87*	
28 16 11 00-0029		**RF Controls, Stand-Alone Access Controls** *(28 16 11 00-0001)*		
28 16 11 00-0030		**Exterior Mount, RF Controls, Stand-Alone Access Controls** *(28 16 11 00-0029)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0031		**RF Receivers, RF Controls, Exterior Stand-Alone Access Controls** *(28 16 11 00-0030)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0032	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	746.15	129.66
28 16 11 00-0033	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	843.52	129.66
28 16 11 00-0034	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	937.28	129.66
28 16 11 00-0035	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,038.25	129.66
28 16 11 00-0036	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,132.01	129.66
28 16 11 00-0037	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,232.98	129.66
28 16 11 00-0038	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,326.74	129.66
28 16 11 00-0039		**RF Transmitters, RF Controls, Exterior Stand-Alone Access Controls** *(28 16 11 00-0030)*		
28 16 11 00-0040	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	61.30	
		For >40 To 110, Deduct	*-3.07*	
		For >110, Deduct	*-6.13*	
		For Built In Proximity Tags, Add	*12.26*	
28 16 11 00-0041	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	64.91	
		For >40 To 110, Deduct	*-3.25*	
		For >110, Deduct	*-6.49*	
		For Built In Proximity Tags, Add	*12.98*	
28 16 11 00-0042	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	68.52	
		For >40 To 110, Deduct	*-3.43*	
		For >110, Deduct	*-6.85*	
		For Built In Proximity Tags, Add	*13.70*	
28 16 11 00-0043		**Accessories For RF Receivers, Exterior Stand-Alone Access Controls** *(28 16 11 00-0030)*		
28 16 11 00-0044	EA	Coax Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	281.03	97.24
28 16 11 00-0045	EA	Antenna Amplifier For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 20' of coax cable.	555.10	97.24
28 16 11 00-0046	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	504.61	97.24
28 16 11 00-0047		**Proximity Card Controls, Stand-Alone Access Controls** *(28 16 11 00-0001)*		
28 16 11 00-0048		**Exterior Mount, Proximity Card Controls, Stand-Alone Access Controls** *(28 16 11 00-0047)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0049		**DKS Proximity Card Controls, Exterior Stand-Alone Access Controls** *(28 16 11 00-0048)*		
28 16 11 00-0050		**DKS Proximity Card Readers, Exterior Stand-Alone Access Controls** *(28 16 11 00-0049)*		
28 16 11 00-0051	EA	DKS Proximity Card Reader, Exterior Stand-Alone Access Controls	1,431.32	129.66
28 16 11 00-0052		**AWID Proximity Card Controls, Exterior Stand-Alone Access Controls** *(28 16 11 00-0048)*		
28 16 11 00-0053		**AWID Proximity Card Readers, Exterior Stand-Alone Access Controls** *(28 16 11 00-0052)*		
28 16 11 00-0054	EA	AWID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,557.53	129.66
28 16 11 00-0055		**HID Proximity Card Controls, Exterior Stand-Alone Access Controls** *(28 16 11 00-0048)*		
28 16 11 00-0056		**HID Proximity Card Readers, Exterior Stand-Alone Access Controls** *(28 16 11 00-0055)*		
28 16 11 00-0057	EA	HID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,846.03	129.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0058		Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0059		Interior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0058)*		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Interior Stand-Alone Access Controls	854.33	129.66
28 16 11 00-0061		Exterior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0058)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0062	EA	Magnetic Stripe Reader, Exterior Stand-Alone Access Controls	1,057.96	129.66
28 16 11 00-0063		Other Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0064	EA	Toggle Switch, Interior Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	145.96	32.42
28 16 11 00-0065	EA	Request To Exit Motion Detector (Bosch Security Systems DS160)	155.76	25.93
28 16 11 00-0066		Wiegand Output Access Controls *(28 16 11)* Note: Excludes controllers.		
28 16 11 00-0067		Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0066)*		
28 16 11 00-0068		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0067)*		
28 16 11 00-0069		DKS, Proximity Cards *(28 16 11 00-0068)*		
28 16 11 00-0070	EA	Clamshell Type, DKS Proximity Card (DKS 170)	9.59	
28 16 11 00-0071	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	15.82	
28 16 11 00-0072	EA	DKS Proximity Key Fob (DKS 50)	16.66	
28 16 11 00-0073	EA	Active Tag, DKS Proximity Tag (DKS 150) Note: Battery powered tag to boost signal.	94.24	
28 16 11 00-0074	EA	Active Tag, DKS Proximity Tag (DKS 200) Note: Battery powered tag to boost signal.	122.85	
28 16 11 00-0075		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0068)*		
28 16 11 00-0076	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	515.99	162.07
28 16 11 00-0077	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	515.99	162.07
28 16 11 00-0078	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	515.99	162.07
28 16 11 00-0079	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	1,414.64	162.07
28 16 11 00-0080		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0067)*		
28 16 11 00-0081		AWID, Proximity Cards *(28 16 11 00-0080)*		
28 16 11 00-0082	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	8.08	
28 16 11 00-0083	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	12.62	
28 16 11 00-0084	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	13.46	
28 16 11 00-0085	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	47.12	
28 16 11 00-0086	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	47.12	
28 16 11 00-0087		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0080)*		
28 16 11 00-0088	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400) Note: For mullion mounting.	627.06	162.07
28 16 11 00-0089	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800) Note: For mullion mounting.	869.39	162.07
28 16 11 00-0090	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820) Note: For single gang electrical box mounting.	869.39	162.07
28 16 11 00-0091	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824) Note: Includes 12 Volt DC regulated power supply.	1,418.01	162.07
28 16 11 00-0092	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	8,001.39	162.07
28 16 11 00-0093		HID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0067)*		
28 16 11 00-0094		HID, Proximity Cards *(28 16 11 00-0093)*		
28 16 11 00-0095	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	19.48	
28 16 11 00-0096	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	25.54	
28 16 11 00-0097	EA	HID Proximity Key Fob (HID ProxKey II)	26.21	
28 16 11 00-0098		HID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0099	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus) Note: For mullion mounting. (HID P/N 6005).	577.91	162.07
28 16 11 00-0100	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II) Note: For single gang electrical box mounting. (HID P/N 5395).	680.45	162.07
28 16 11 00-0101	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) Note: For mullion mounting. (HID P/N 5365).	757.35	162.07
28 16 11 00-0102	EA	EntryProx Single-Door Proximity Access Control Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	964.98	162.07
28 16 11 00-0103		**Contactless Smart Card Controls, Wiegand Output Access Controls** *(28 16 11 00-0066)*		
28 16 11 00-0104		**HID, Contactless Smart Cards** *(28 16 11 00-0103)*		
28 16 11 00-0105	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	14.81	
28 16 11 00-0106	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	16.17	
28 16 11 00-0107	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	21.16	
28 16 11 00-0108	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card Note: Battery powered tag to boost signal.	11.45	
28 16 11 00-0109		**HID, Contactless Smart Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0103)*		
28 16 11 00-0110	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) Note: For mullion mounting.	591.24	162.07
28 16 11 00-0111	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) Note: For mullion mounting.	813.37	162.07
28 16 11 00-0112	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) Note: For mullion mounting.	1,313.19	162.07
28 16 11 00-0113		**HID, Contactless Smart Card Programmer, Wiegand Output Access Controls** *(28 16 11 00-0103)*		
28 16 11 00-0114	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) Note: For mullion mounting.	4,124.30	162.07
28 16 11 00-0115		**Call Station Controls, Wiegand Output Access Controls** *(28 16 11 00-0066)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0116	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,622.35	162.07
28 16 11 00-0117	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,351.89	162.07
28 16 11 00-0118		**Biometrics Readers, Wiegand Output Access Controls** *(28 16 11 00-0066)*		
28 16 11 00-0119	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	7,046.64	129.66
28 16 11 00-0120	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	8,606.31	129.66
28 16 11 00-0121	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	3,394.34	129.66
28 16 11 00-0122	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	2,097.25	129.66
28 16 11 00-0123	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	2,335.26	129.66
28 16 11 00-0124	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	2,097.25	129.66
28 16 11 00-0125		**Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11)* Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0126		**2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0125)*		
28 16 11 00-0127	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 5" x 5" base plate.	478.24	46.20
28 16 11 00-0128	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	903.76	46.20
28 16 11 00-0129	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	434.96	46.20
28 16 11 00-0130		**4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0125)*		
28 16 11 00-0131	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	853.73	55.43
28 16 11 00-0132	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	1,012.40	55.43
28 16 11 00-0133	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	633.75	55.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0134		4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11 00-0125)*		
28 16 11 00-0135	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	2,716.98	69.29
28 16 11 00-0136	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	2,843.19	69.29
28 16 11 00-0137	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,202.39	23.10
28 16 11 00-0138	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	1,887.56	69.29
28 16 11 00-0139		Magnetic Locks *(28 16 11)* Note: Excludes access controls.		
28 16 11 00-0140		Magnetic Door Locks *(28 16 11 00-0139)*		
28 16 11 00-0141		300 Lb. Magnetic Door Locks *(28 16 11 00-0140)*		
28 16 11 00-0142	EA	Single Door, Surface Mount, 300 Lb. Magnetic Door Lock	688.45	129.66
28 16 11 00-0143		600 Lb. Magnetic Door Locks *(28 16 11 00-0140)*		
28 16 11 00-0144	EA	600 Lb., Single Door, Surface Mount, Magnetic Door Lock	985.96	129.66
		For LED Status Indicator And Signal Relay, Add	*90.83*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*181.66*	
		For Mortise Mount, Deduct	*-145.33*	
28 16 11 00-0145	EA	600 Lb., Dual Doors, Surface Mount, Magnetic Door Lock	1,474.59	129.66
		For LED Status Indicator And Signal Relay, Add	*151.91*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*303.82*	
28 16 11 00-0146		1,200 Lb. Magnetic Door Locks *(28 16 11 00-0140)*		
28 16 11 00-0147	EA	1,200 Lb., Single Door, Surface Mount, Magnetic Door Lock	1,031.04	129.66
		For LED Status Indicator And Signal Relay, Add	*177.50*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*231.52*	
28 16 11 00-0148	EA	Dual Doors, Surface Mount, 1,200 Lb. Magnetic Door Lock	1,571.96	129.66
		For LED Status Indicator And Signal Relay, Add	*301.91*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*393.79*	
28 16 11 00-0149		2,000 Lb. Shear Lock, Magnetic And Mechanical Locks *(28 16 11 00-0140)* Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0150	EA	Single Door, Mortise Mount, 2,000 Lb. Shear Lock, Magnetic And Mechanical Door Lock	1,079.72	129.66
28 16 11 00-0151		Magnetic Gate Locks *(28 16 11 00-0139)*		
28 16 11 00-0152		600 Lb. Magnetic Gate Locks *(28 16 11 00-0151)*		
28 16 11 00-0153	EA	600 Lb. Magnetic Gate Lock	807.45	129.66
28 16 11 00-0154		1,200 Lb. Magnetic Gate Locks *(28 16 11 00-0151)*		
28 16 11 00-0155	EA	1,200 Lb. Magnetic Gate Lock	971.53	129.66
		For LED Status Indicator And Signal Relay, Add	*89.03*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*178.05*	
		For Mortise Mount, Deduct	*-142.44*	
28 16 11 00-0156		Magnetic Lock Power Supply And Chargers *(28 16 11 00-0139)* Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0157	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	597.53	129.66
28 16 11 00-0158	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	761.01	129.66
28 16 11 00-0159	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	857.18	129.66
28 16 11 00-0160	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger	1,078.35	129.66
28 16 11 00-0161		Access Control Accessories *(28 16 11)*		
28 16 11 00-0162	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	673.78	
28 16 11 00-0163	EA	7 Amperes, 12 Volt, Battery	88.64	
28 16 11 00-0164	EA	18 Amperes, 12 Volt, Battery	197.57	
28 16 11 00-0165	EA	Door Personality Module (Sensormatic RM-4)	733.80	32.42
28 16 11 00-0166	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	298.22	64.82
28 16 11 00-0167	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	90.87	38.90
28 16 11 00-0168	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	808.04	25.93
28 16 11 00-0169	EA	Surge Suppressor (Tripp-Lite IBAR4)	121.92	6.49
28 16 11 00-0170	EA	Door Strike Relay (Altronix RBSN-TTL)	85.49	25.93
28 16 11 00-0171	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) Note: Set in concrete.	512.92	
28 16 11 00-0172	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16)	721.94	162.07
28 16 11 00-0173		Access Controllers *(28 16 11)*		
28 16 11 00-0174		Microterm Controller *(28 16 11 00-0173)*		
28 16 11 00-0175	EA	Microterm Stand-Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,861.66	162.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0176	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	1,345.07	97.24
28 16 11 00-0177	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	639.91	
28 16 11 00-0178		**Miniterm Controller** *(28 16 11 00-0173)*		
28 16 11 00-0179	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,917.24	162.07
28 16 11 00-0180	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	2,207.83	97.24
28 16 11 00-0181		**Super-2 Controller** *(28 16 11 00-0173)*		
28 16 11 00-0182	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,158.33	162.07
28 16 11 00-0183	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	1,482.51	97.24
28 16 11 00-0184	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	408.00	97.24
28 16 11 00-0185		**Smarterm Controller** *(28 16 11 00-0173)*		
28 16 11 00-0186	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	6,131.20	194.48
28 16 11 00-0187	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	4,722.67	97.24
28 16 11 00-0188	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	1,835.61	97.24
28 16 11 00-0189	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	2,611.09	97.24
28 16 11 00-0190	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	2,030.00	97.24
28 16 11 00-0191	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	2,030.00	97.24
28 16 11 00-0192		**Superterm-4 Controller** *(28 16 11 00-0173)*		
28 16 11 00-0193	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,657.98	194.48
28 16 11 00-0194	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	4,643.12	97.24
28 16 11 00-0195		**Superterm-8 Controller** *(28 16 11 00-0173)*		
28 16 11 00-0196	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,527.84	324.14
28 16 11 00-0197	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	8,174.06	324.14
28 16 11 00-0198	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	6,253.67	97.24
28 16 11 00-0199		**Turbo Superterm-4 Controller** *(28 16 11 00-0173)*		
28 16 11 00-0200	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,657.98	194.48
28 16 11 00-0201	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	4,643.12	97.24
28 16 11 00-0202		**Turbo Superterm-8 Controller** *(28 16 11 00-0173)*		
28 16 11 00-0203	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,527.84	324.14
28 16 11 00-0204	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	8,174.06	324.14
28 16 11 00-0205	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	6,253.67	97.24
28 16 11 00-0206	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	2,611.09	97.24
28 16 11 00-0207	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	2,197.49	97.24
28 16 11 00-0208	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	2,032.09	97.24
28 16 11 00-0209	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	2,032.09	97.24
28 16 11 00-0210	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	828.90	
28 16 11 00-0211		**Intelligent Controller** *(28 16 11 00-0173)*		
28 16 11 00-0212	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)	1,455.64	97.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0213	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,512.95	162.07
28 16 11 00-0214		Access Control Bundled System *(28 16 11)*		
28 16 11 00-0215	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0)	41,045.30	
		Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.		
28 16 11 00-0216		Master Door Buzzer Stations *(28 16 11)*		
28 16 11 00-0217		Master Stations *(28 16 11 00-0216)*		
28 16 11 00-0218	EA	Master Stations, 5 Station Intercommunication Equipment	1,223.75	202.27
28 16 11 00-0219	EA	Master Stations, 10 Station Intercommunication Equipment	1,838.18	391.56
28 16 11 00-0220	EA	Master Station, Desk Style Remote Intercommunication Equipment	525.88	101.13
28 16 11 00-0221	EA	Master Station, Flush Wall Remote Intercommunication Equipment	672.71	168.56
28 16 11 00-0222	EA	Sound System Outlet, Protector	172.52	66.00
28 16 11 00-0223	EA	Sound System Microphone Outlet	301.63	135.10
28 16 11 00-0224	EA	Ceiling Or Wall, Sound System Speaker	231.05	66.00
28 16 11 00-0225	EA	Sound System Monitor Panel	675.46	135.10
28 16 11 00-0226	EA	Sound System Volume Control	199.51	66.00
28 16 11 00-0227	EA	250 Watt, Sound System Amplifier	3,125.68	540.28
28 16 11 00-0228	EA	Sound System Cabinet	1,823.59	540.28
28 16 11 00-0229		Master Door Stations *(28 16 11 00-0216)*		
28 16 11 00-0230	EA	Master Door Stations, Button Buzzer Type, 25 Station	2,690.52	
		For Intercom Type Master Door Station, Add	*224.87*	
28 16 11 00-0231	EA	Master Door Stations, Button Buzzer Type, 50 Station	4,455.69	
		For Intercom Type Master Door Station, Add	*364.28*	
28 16 11 00-0232	EA	Master Door Stations, Button Buzzer Type, 75 Station	6,113.85	
		For Intercom Type Master Door Station, Add	*472.22*	
28 16 11 00-0233	EA	Master Door Stations, Button Buzzer Type, 100 Station	6,988.99	
		For Intercom Type Master Door Station, Add	*553.17*	
28 16 11 00-0234	EA	Master Door Stations, Button Buzzer Type, 150 Station	8,486.62	
		For Intercom Type Master Door Station, Add	*809.51*	
28 16 11 00-0235	EA	Master Door Stations, Button Buzzer Type, 200 Station	9,960.74	
		For Intercom Type Master Door Station, Add	*1,043.37*	
28 16 11 00-0236	EA	Master Door Stations, Button Buzzer Type, 250 Station	12,540.51	
		For Intercom Type Master Door Station, Add	*1,349.19*	
28 16 11 00-0237	EA	Master Door Stations, Button Buzzer Type, 300 Station	14,979.37	
		For Intercom Type Master Door Station, Add	*1,547.07*	
28 16 11 00-0238	EA	Transformer	188.12	
28 16 11 00-0239	EA	Door Opener	278.39	
28 16 11 00-0240	EA	Buzzer With Door Release And Plate	343.27	
28 16 11 00-0241	EA	Amplifier For Intercom Type Unit	564.09	
28 16 11 00-0242	EA	Speaker With Door Release	236.85	
28 16 11 00-0243		Request To Exit Detector *(28 16 11)*		
28 16 11 00-0244	EA	Request-To-Exit Detector; Bosch DS160	267.53	101.13
28 16 11 00-0245		Access Power Controllers *(28 16 11)*		
28 16 11 00-0246	EA	26" x 19" x 6.25" Access Power Controller Enclosure; A Tronix; Maim 75D	1,850.18	119.29
		Note: Includes power supply		

28 18 Security Access Detection Equipment *(28 10)*

28 18 11 Security Access Metal Detectors *(28 18)*

28 18 11 00-0001	EA	Handheld Scanner (Garrett Super Scanner V)	289.43	32.42
28 18 11 00-0002	EA	Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000)	4,671.98	388.97
28 18 11 00-0003	EA	Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I)	7,212.82	518.62

28 20 Video Surveillance *(28)*

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras *(28 20)*

28 21 31 Proprietary Surveillance Camera Systems *(28 21)*

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001		Closed Circuit Television And Surveillance Systems (Pelco) *(28 21 31)*		
28 21 31 00-0002		Cameras And Accessories *(28 21 31 00-0001)*		
28 21 31 00-0003		Cameras *(28 21 31 00-0002)*		
28 21 31 00-0004		Compact, 1/3" Format Cameras *(28 21 31 00-0003)*		
28 21 31 00-0005		High Resolution Color, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*		
28 21 31 00-0006	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	694.29	32.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0007		Day/Night, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*		
28 21 31 00-0008	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	408.84	32.47
28 21 31 00-0009		Camerapaks *(28 21 31 00-0002)* Note: Includes camera and lens.		
28 21 31 00-0010		Camerapaks *(28 21 31 00-0009)*		
28 21 31 00-0011		High Resolution Color, Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0012		Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0013		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0014	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	532.65	32.47
28 21 31 00-0015	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	500.55	32.47
28 21 31 00-0016	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	485.65	32.47
28 21 31 00-0017	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	482.21	32.47
28 21 31 00-0018		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0019	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	580.80	32.47
28 21 31 00-0020	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	532.65	32.47
28 21 31 00-0021	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	521.19	32.47
28 21 31 00-0022	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	512.02	32.47
28 21 31 00-0023		Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0024		Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0025	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	627.80	32.47
28 21 31 00-0026	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	565.90	32.47
28 21 31 00-0027	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	515.46	32.47
28 21 31 00-0028	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	494.82	32.47
28 21 31 00-0029	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	571.63	32.47
28 21 31 00-0030		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0031	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	678.24	32.47
28 21 31 00-0032	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	635.83	32.47
28 21 31 00-0033	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	563.60	32.47
28 21 31 00-0034	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	502.84	32.47
28 21 31 00-0035	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	595.70	32.47
28 21 31 00-0036	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	673.66	32.47
28 21 31 00-0037	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	773.40	32.47
28 21 31 00-0038		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0039	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	529.21	32.47
28 21 31 00-0040	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	633.53	32.47
28 21 31 00-0041		High Resolution Day/Night, Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0042		Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0041)*		
28 21 31 00-0043		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0044	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	1,073.75	32.47
28 21 31 00-0045	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	1,001.53	32.47
28 21 31 00-0046	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	940.77	32.47
28 21 31 00-0047	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	1,033.63	32.47
28 21 31 00-0048	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,111.58	32.47
28 21 31 00-0049	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,210.17	32.47
28 21 31 00-0050		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0051	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	967.14	32.47
28 21 31 00-0052	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	1,071.46	32.47
28 21 31 00-0053		Compact Camerapaks *(28 21 31 00-0009)*		
28 21 31 00-0054		High Resolution Color, Compact Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0055		DSS, High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0056		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0057		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0058	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	831.86	32.47
28 21 31 00-0059	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	799.76	32.47
28 21 31 00-0060	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	783.71	32.47
28 21 31 00-0061	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	780.27	32.47
28 21 31 00-0062		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0063	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	878.86	32.47
28 21 31 00-0064	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	831.86	32.47
28 21 31 00-0065	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	820.40	32.47
28 21 31 00-0066	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	811.23	32.47
28 21 31 00-0067		Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0068		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0069	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	927.01	32.47
28 21 31 00-0070	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	863.96	32.47
28 21 31 00-0071	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	814.67	32.47
28 21 31 00-0072	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	794.03	32.47
28 21 31 00-0073	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	869.69	32.47
28 21 31 00-0074	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	918.99	32.47
28 21 31 00-0075	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	1,035.92	32.47
28 21 31 00-0076		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0077	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	976.31	32.47
28 21 31 00-0078	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	935.04	32.47
28 21 31 00-0079	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	862.81	32.47
28 21 31 00-0080	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	800.91	32.47
28 21 31 00-0081	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	894.91	32.47
28 21 31 00-0082	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	972.87	32.47
28 21 31 00-0083	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	1,071.46	32.47
28 21 31 00-0084		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0085	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	828.42	32.47
28 21 31 00-0086	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	932.74	32.47
28 21 31 00-0087		EDR, High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0088		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0087)*		
28 21 31 00-0089		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0090	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	831.86	32.47
28 21 31 00-0091	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	620.92	32.47
28 21 31 00-0092	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	604.87	32.47
28 21 31 00-0093	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	601.44	32.47
28 21 31 00-0094		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0095	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	700.03	32.47
28 21 31 00-0096	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	653.02	32.47
28 21 31 00-0097	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	641.56	32.47
28 21 31 00-0098	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	641.56	32.47
28 21 31 00-0099		Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0087)*		
28 21 31 00-0100		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0101	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	748.17	32.47
28 21 31 00-0102	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	685.12	32.47
28 21 31 00-0103	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	635.83	32.47
28 21 31 00-0104	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	615.19	32.47
28 21 31 00-0105	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	690.85	32.47
28 21 31 00-0106	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	740.15	32.47
28 21 31 00-0107	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	857.08	32.47
28 21 31 00-0108		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0109	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	797.47	32.47
28 21 31 00-0110	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	756.20	32.47
28 21 31 00-0111	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	682.83	32.47
28 21 31 00-0112	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	622.07	32.47
28 21 31 00-0113	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	716.08	32.47
28 21 31 00-0114	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	794.03	32.47
28 21 31 00-0115	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	892.62	32.47

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28 21 31 00-0116		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0117	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	649.58	32.47
28 21 31 00-0118	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	753.91	32.47
28 21 31 00-0119		High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0120		Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0119)*		
28 21 31 00-0121		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0122	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	767.66	32.47
28 21 31 00-0123		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0124	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	866.25	32.47
28 21 31 00-0125	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	818.10	32.47
28 21 31 00-0126		Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0119)*		
28 21 31 00-0127		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0128	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	800.91	32.47
28 21 31 00-0129	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	780.27	32.47
28 21 31 00-0130	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	906.38	32.47
28 21 31 00-0131		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0132	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	921.28	32.47
28 21 31 00-0133	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	849.06	32.47
28 21 31 00-0134	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	788.30	32.47
28 21 31 00-0135	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	881.16	32.47
28 21 31 00-0136	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	959.11	32.47
28 21 31 00-0137	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	1,058.85	32.47
28 21 31 00-0138		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0139	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	814.67	32.47
28 21 31 00-0140	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	918.99	32.47
28 21 31 00-0141		Camera Systems *(28 21 31 00-0002)*		
28 21 31 00-0142		Camera Dome Systems *(28 21 31 00-0141)*		
28 21 31 00-0143		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0142)*		
28 21 31 00-0144		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0145		Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0146		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0147	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,402.31	194.78
28 21 31 00-0148	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,872.33	194.78
28 21 31 00-0149	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	4,083.27	194.78
28 21 31 00-0150	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,660.72	194.78
28 21 31 00-0151		Color, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0152	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,869.23	194.78
28 21 31 00-0153	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	3,106.54	194.78
28 21 31 00-0154	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,318.62	194.78
28 21 31 00-0155	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,440.14	194.78
28 21 31 00-0156	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,440.14	194.78
28 21 31 00-0157	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,604.08	194.78
28 21 31 00-0158	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	4,075.25	194.78
28 21 31 00-0159	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	4,287.33	194.78
28 21 31 00-0160	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,408.85	194.78

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28 21 31 00-0161	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,408.85	194.78
28 21 31 00-0162		**Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0145)*		
28 21 31 00-0163	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	4,192.18	194.78
28 21 31 00-0164	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,663.35	194.78
28 21 31 00-0165	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,875.43	194.78
28 21 31 00-0166	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	4,996.95	194.78
28 21 31 00-0167	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	4,996.95	194.78
28 21 31 00-0168		**Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0145)*		
28 21 31 00-0169	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,806.99	194.78
28 21 31 00-0170	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	4,045.44	194.78
28 21 31 00-0171	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	4,256.38	194.78
28 21 31 00-0172	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	4,377.90	194.78
28 21 31 00-0173	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	4,377.90	194.78
28 21 31 00-0174	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,578.52	194.78
28 21 31 00-0175	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	4,953.39	194.78
28 21 31 00-0176	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	5,164.33	194.78
28 21 31 00-0177	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	5,285.84	194.78
28 21 31 00-0178	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	5,285.84	194.78
28 21 31 00-0179		**Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0144)*		
28 21 31 00-0180		**Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0179)*		
28 21 31 00-0181	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	3,725.59	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0182	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	3,929.65	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0183	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	4,092.44	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0184	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	4,623.23	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0185	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	4,827.28	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0186	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	4,991.22	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0187		**Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0179)*		
28 21 31 00-0188	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	4,663.35	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0189	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	4,867.41	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0190	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	5,031.34	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0191	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	5,501.37	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0192	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	5,704.28	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0193	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	5,868.22	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0194		**Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0144)*		
28 21 31 00-0195		**Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0194)*		
28 21 31 00-0196	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	6,168.57	194.78
28 21 31 00-0197	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	7,006.59	194.78
28 21 31 00-0198		**Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0144)*		
28 21 31 00-0199		**Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0198)*		
28 21 31 00-0200	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	5,363.80	194.78
28 21 31 00-0201		**Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0198)*		
28 21 31 00-0202	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	4,669.08	194.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0203	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	5,567.86	194.78
28 21 31 00-0204		**Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0198)*		
28 21 31 00-0205	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	6,155.96	194.78
28 21 31 00-0206		**Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0198)*		
28 21 31 00-0207	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	5,607.98	194.78
28 21 31 00-0208	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	6,444.85	194.78
28 21 31 00-0209		**Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems** *(28 21 31 00-0144)*		
28 21 31 00-0210		**Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems** *(28 21 31 00-0209)*		
28 21 31 00-0211	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	2,151.59	194.78
28 21 31 00-0212		**Spectra® IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0143)* Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0213		**Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0212)*		
28 21 31 00-0214		**Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0213)*		
28 21 31 00-0215	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	3,962.90	194.78
28 21 31 00-0216	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	4,174.98	194.78
28 21 31 00-0217	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	4,296.50	194.78
28 21 31 00-0218	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	4,296.50	194.78
28 21 31 00-0219	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	4,931.61	194.78
28 21 31 00-0220	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	5,143.69	194.78
28 21 31 00-0221	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	5,265.21	194.78
28 21 31 00-0222	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	5,265.21	194.78
28 21 31 00-0223		**Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0213)*		
28 21 31 00-0224	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	5,519.71	194.78
28 21 31 00-0225	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	5,731.79	194.78
28 21 31 00-0226	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	5,853.31	194.78
28 21 31 00-0227	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	5,853.31	194.78
28 21 31 00-0228		**Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0212)*		
28 21 31 00-0229		**Color, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0228)*		
28 21 31 00-0230	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	4,581.95	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0231	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	4,786.01	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0232	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	4,948.80	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0233	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	5,479.59	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0234	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	5,683.65	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0235	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	5,847.58	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0236		**Day/Night, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0228)*		
28 21 31 00-0237	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	5,519.71	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0238	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	5,723.77	194.78
		For Protective Lower Dome Cage, Add	*34.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0239	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	5,887.70	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0240	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	6,357.73	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0241	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	6,560.64	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0242	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	6,724.58	194.78
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0243		Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0244		Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0245	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	5,525.44	194.78
28 21 31 00-0246	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	6,424.22	194.78
28 21 31 00-0247		Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0248	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,012.32	194.78
28 21 31 00-0249		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0250	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	6,464.34	194.78
28 21 31 00-0251	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,301.22	194.78
28 21 31 00-0252		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0253		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems *(28 21 31 00-0252)*		
28 21 31 00-0254	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	2,704.15	194.78
28 21 31 00-0255		Spectra®, Pan/Tilt Dome Drives *(28 21 31 00-0143)*		
		Note: Includes dome drive, camera and lens.		
28 21 31 00-0256	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	2,000.67	162.32
28 21 31 00-0257	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,550.94	162.32
28 21 31 00-0258	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	3,230.75	162.32
28 21 31 00-0259	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	2,536.04	162.32
28 21 31 00-0260	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	3,433.67	162.32
28 21 31 00-0261	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	3,473.79	162.32
28 21 31 00-0262	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	4,021.77	162.32
28 21 31 00-0263	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	4,311.81	162.32
28 21 31 00-0264	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	4,311.81	162.32
28 21 31 00-0265		Accessories For Spectra® Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)*		
28 21 31 00-0266	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	161.64	
28 21 31 00-0267	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	210.94	
28 21 31 00-0268	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	174.62	16.23
28 21 31 00-0269	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	441.73	16.23
28 21 31 00-0270	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	170.04	16.23
28 21 31 00-0271	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	304.75	16.23
28 21 31 00-0272	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	114.19	9.66
28 21 31 00-0273		Camclosure®, Camera Dome Systems *(28 21 31 00-0142)*		
28 21 31 00-0274		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0275		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0274)*		
28 21 31 00-0276		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0277	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	796.54	194.78
28 21 31 00-0278	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	865.33	194.78
28 21 31 00-0279	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	962.77	194.78
28 21 31 00-0280	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	962.77	194.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0281		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0282	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	975.38	194.78
28 21 31 00-0283	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	1,064.80	194.78
28 21 31 00-0284	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	1,064.80	194.78
28 21 31 00-0285		Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0286	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	1,119.83	194.78
28 21 31 00-0287	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,341.08	194.78
28 21 31 00-0288	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,341.08	194.78
28 21 31 00-0289		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0290	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	1,225.30	194.78
28 21 31 00-0291	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,367.45	194.78
28 21 31 00-0292		Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0274)*		
28 21 31 00-0293		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0294	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	883.35	129.86
28 21 31 00-0295		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0296	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	1,012.89	129.86
28 21 31 00-0297		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0298	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	1,116.07	129.86
28 21 31 00-0299		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0300	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	1,167.66	129.86
28 21 31 00-0301		Camclosure® IS Integrated Cameras *(28 21 31 00-0274)*		
28 21 31 00-0302	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	619.68	129.86
28 21 31 00-0303	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	619.68	129.86
28 21 31 00-0304	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	721.71	129.86
28 21 31 00-0305	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	997.99	129.86
28 21 31 00-0306	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	1,024.36	129.86
28 21 31 00-0307		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0308		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0307)*		
28 21 31 00-0309		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0310	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	683.05	194.78
28 21 31 00-0311	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	732.34	194.78
28 21 31 00-0312	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	929.52	194.78
28 21 31 00-0313	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	929.52	194.78
28 21 31 00-0314		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0315	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	1,150.78	194.78
28 21 31 00-0316		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0307)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0317		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0316)*		
28 21 31 00-0318	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	799.66	129.86
28 21 31 00-0319		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0307)*		
28 21 31 00-0320		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0321	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	1,064.80	194.78
28 21 31 00-0322		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0323	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	1,167.98	194.78
28 21 31 00-0324		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0325	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	1,297.52	194.78
28 21 31 00-0326		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0327	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,349.11	194.78
28 21 31 00-0328		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0329		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0328)*		
28 21 31 00-0330		High Resolution Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0331	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,917.72	194.78
28 21 31 00-0332	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,917.72	194.78
28 21 31 00-0333		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0334	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	2,059.87	194.78
28 21 31 00-0335	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	2,059.87	194.78
28 21 31 00-0336		Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0337	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,278.84	194.78
28 21 31 00-0338	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,278.84	194.78
28 21 31 00-0339		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0340	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,433.60	194.78
28 21 31 00-0341	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,433.60	194.78
28 21 31 00-0342		Accessories For Camclosure® Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0343	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	40.12	9.73
28 21 31 00-0344	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	40.12	9.73
28 21 31 00-0345	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	53.11	16.23
28 21 31 00-0346	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	85.20	16.23
28 21 31 00-0347	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	88.26	9.73
28 21 31 00-0348	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	85.20	16.23
28 21 31 00-0349	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	108.13	16.23
28 21 31 00-0350	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	289.61	32.47
28 21 31 00-0351	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	289.61	32.47
28 21 31 00-0352	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	289.61	32.47
28 21 31 00-0353	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	289.61	32.47
28 21 31 00-0354	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	102.40	16.23
28 21 31 00-0355	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	116.51	32.47
28 21 31 00-0356	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	116.51	32.47
28 21 31 00-0357	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	116.51	32.47
28 21 31 00-0358	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	116.51	32.47
28 21 31 00-0359	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	116.51	32.47
28 21 31 00-0360	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	116.51	32.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0361	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	339.00	44.34
28 21 31 00-0362	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	72.59	16.23
28 21 31 00-0363	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	124.18	16.23
28 21 31 00-0364	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	72.59	16.23
28 21 31 00-0365	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	124.18	16.23
28 21 31 00-0366	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,788.18	194.78
28 21 31 00-0367		Pan/Tilt Camera Systems *(28 21 31 00-0141)*		
28 21 31 00-0368		Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
		Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0369		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0368)*		
28 21 31 00-0370		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0369)*		
28 21 31 00-0371	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	5,070.21	292.17
28 21 31 00-0372	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	5,759.20	292.17
28 21 31 00-0373	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	6,714.15	292.17
28 21 31 00-0374	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	5,218.10	292.17
28 21 31 00-0375	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	5,938.04	292.17
28 21 31 00-0376	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	6,892.99	292.17
28 21 31 00-0377		Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0369)*		
28 21 31 00-0378	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	5,117.22	292.17
28 21 31 00-0379	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	5,806.20	292.17
28 21 31 00-0380	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	6,761.15	292.17
28 21 31 00-0381	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	5,266.25	292.17
28 21 31 00-0382	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	5,985.04	292.17
28 21 31 00-0383	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	6,939.99	292.17
28 21 31 00-0384		Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0385		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0384)*		
28 21 31 00-0386		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0385)*		
28 21 31 00-0387	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	5,249.05	292.17
28 21 31 00-0388	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	5,938.04	292.17
28 21 31 00-0389	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	6,892.99	292.17
28 21 31 00-0390	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	5,396.94	292.17
28 21 31 00-0391	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	6,116.88	292.17
28 21 31 00-0392	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	7,071.83	292.17
28 21 31 00-0393		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0385)*		
28 21 31 00-0394	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)	5,296.05	292.17
28 21 31 00-0395	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)	5,985.04	292.17
28 21 31 00-0396	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)	6,939.99	292.17
28 21 31 00-0397	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)	5,445.09	292.17
28 21 31 00-0398	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)	6,163.88	292.17
28 21 31 00-0399	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)	7,118.83	292.17
28 21 31 00-0400		Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0401		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0400)*		
28 21 31 00-0402		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0401)*		
28 21 31 00-0403	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	4,949.84	292.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0404	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	5,638.83	292.17
28 21 31 00-0405	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	6,593.78	292.17
28 21 31 00-0406	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	5,098.87	292.17
28 21 31 00-0407	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	5,817.67	292.17
28 21 31 00-0408	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	6,772.62	292.17
28 21 31 00-0409		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0401)*		
28 21 31 00-0410	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	4,997.99	292.17
28 21 31 00-0411	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	5,685.83	292.17
28 21 31 00-0412	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	6,641.93	292.17
28 21 31 00-0413	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	5,031.24	292.17
28 21 31 00-0414	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	5,145.88	292.17
28 21 31 00-0415	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	5,864.67	292.17
28 21 31 00-0416	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	6,820.77	292.17
28 21 31 00-0417		Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0418		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0417)*		
28 21 31 00-0419		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0418)*		
28 21 31 00-0420	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	5,924.28	292.17
28 21 31 00-0421	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	6,879.23	292.17
28 21 31 00-0422	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	5,384.33	292.17
28 21 31 00-0423	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	6,103.12	292.17
28 21 31 00-0424	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	7,058.07	292.17
28 21 31 00-0425		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0418)*		
28 21 31 00-0426	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	5,283.44	292.17
28 21 31 00-0427	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	5,971.28	292.17
28 21 31 00-0428	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	6,927.38	292.17
28 21 31 00-0429	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	5,431.33	292.17
28 21 31 00-0430	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	6,150.12	292.17
28 21 31 00-0431	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	7,106.22	292.17
28 21 31 00-0432		Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0433		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0432)*		
28 21 31 00-0434		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0433)*		
28 21 31 00-0435	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	7,031.70	292.17
28 21 31 00-0436	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	5,535.65	292.17
28 21 31 00-0437	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	7,210.54	292.17
28 21 31 00-0438		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0433)*		
28 21 31 00-0439	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	5,434.77	292.17
28 21 31 00-0440	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	7,079.85	292.17
28 21 31 00-0441	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	5,583.80	292.17
28 21 31 00-0442	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	6,302.59	292.17
28 21 31 00-0443	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	7,258.69	292.17
28 21 31 00-0444		Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0445		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0444)*		
28 21 31 00-0446		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0445)*		
28 21 31 00-0447	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	5,915.11	292.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0448		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0445)*		
28 21 31 00-0449	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	5,962.11	292.17
28 21 31 00-0450		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0444)*		
28 21 31 00-0451		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0450)*		
28 21 31 00-0452	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	7,031.70	292.17
28 21 31 00-0453	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	6,797.84	292.17
28 21 31 00-0454	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	7,732.15	292.17
28 21 31 00-0455		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0450)*		
28 21 31 00-0456	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	7,077.56	292.17
28 21 31 00-0457	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	6,797.84	292.17
28 21 31 00-0458	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	7,783.74	292.17
28 21 31 00-0459		Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0460		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0459)*		
28 21 31 00-0461		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0460)*		
28 21 31 00-0462	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	4,540.58	292.17
28 21 31 00-0463	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	5,658.32	292.17
28 21 31 00-0464	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	5,427.89	292.17
28 21 31 00-0465	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	6,155.85	292.17
28 21 31 00-0466		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0460)*		
28 21 31 00-0467	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	4,586.43	292.17
28 21 31 00-0468	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	5,705.32	292.17
28 21 31 00-0469	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	5,474.89	292.17
28 21 31 00-0470	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	6,207.44	292.17
28 21 31 00-0471		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0471)*		
28 21 31 00-0473		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0472)*		
28 21 31 00-0474	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	29,367.01	292.17
28 21 31 00-0475	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	31,583.01	292.17
28 21 31 00-0476	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	32,327.02	292.17
28 21 31 00-0477		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0472)*		
28 21 31 00-0478	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	29,415.16	292.17
28 21 31 00-0479	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	31,630.01	292.17
28 21 31 00-0480	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	32,374.02	292.17
28 21 31 00-0481		Accessories For Esprit® Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0482	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	12.57	3.24
28 21 31 00-0483	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	72.59	16.23
28 21 31 00-0484	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	113.86	16.23
28 21 31 00-0485	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	144.82	16.23
28 21 31 00-0486	EA	Ground Isolation Transformer (Pelco GIT100)	419.25	44.34
28 21 31 00-0487	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	590.76	44.34
28 21 31 00-0488	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	502.94	44.34
28 21 31 00-0489	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	685.40	44.34
28 21 31 00-0490	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	388.30	44.34
28 21 31 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	980.93	44.34
28 21 31 00-0492	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,581.70	44.34
28 21 31 00-0493	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,880.91	44.34
28 21 31 00-0494	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,948.55	44.34
28 21 31 00-0495	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	2,055.16	44.34
28 21 31 00-0496	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,501.72	44.35
28 21 31 00-0497	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,531.37	44.34
28 21 31 00-0498	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,559.83	44.34
28 21 31 00-0499	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	6,451.61	44.34
28 21 31 00-0500	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	6,630.45	44.34
28 21 31 00-0501	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	115.65	10.45
28 21 31 00-0502	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	115.65	10.45
28 21 31 00-0503		Camera Lenses *(28 21 31 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0504		**Fixed Focus Camera Lenses** *(28 21 31 00-0503)* Note: 1/3" format and manual focus.		
28 21 31 00-0505		**Manual Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0504)*		
28 21 31 00-0506	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	184.76	15.23
28 21 31 00-0507	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	152.66	15.23
28 21 31 00-0508	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	136.61	15.23
28 21 31 00-0509	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	133.17	15.23
28 21 31 00-0510		**Direct Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0504)* Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0511	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	231.76	15.23
28 21 31 00-0512	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	184.76	15.23
28 21 31 00-0513	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	173.30	15.23
28 21 31 00-0514	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	122.86	15.23
28 21 31 00-0515		**Video Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0504)* Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0516	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	274.18	15.23
28 21 31 00-0517	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	226.03	15.23
28 21 31 00-0518	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	214.57	15.23
28 21 31 00-0519	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	205.40	15.23
28 21 31 00-0520		**Varifocal Camera Lenses** *(28 21 31 00-0503)* Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0521		**Manual Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
28 21 31 00-0522	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	246.90	15.23
28 21 31 00-0523	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	216.86	15.23
28 21 31 00-0524	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	167.57	15.23
28 21 31 00-0525	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	146.93	15.23
28 21 31 00-0526	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	388.82	15.23
28 21 31 00-0527	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	192.11	15.23
28 21 31 00-0528	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	204.56	15.23
28 21 31 00-0529		**Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)* Note: Includes spot filter.		
28 21 31 00-0530	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	242.75	15.23
28 21 31 00-0531	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	214.52	15.23
28 21 31 00-0532	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	164.72	15.23
28 21 31 00-0533	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	123.21	15.23
28 21 31 00-0534	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	424.36	15.23
28 21 31 00-0535	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	240.26	15.23
28 21 31 00-0536		**Video Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)* Note: Includes spot filter.		
28 21 31 00-0537	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	371.62	15.23
28 21 31 00-0538	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	329.21	15.23
28 21 31 00-0539	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	196.23	15.23
28 21 31 00-0540	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	367.04	15.23
28 21 31 00-0541		**Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
28 21 31 00-0542	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	142.30	15.23
28 21 31 00-0543	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	212.86	15.23
28 21 31 00-0544		**Motorized Zoom Camera Lenses** *(28 21 31 00-0503)* Note: 1/3" format.		
28 21 31 00-0545		**Manual Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)*		
28 21 31 00-0546	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	677.71	15.23
28 21 31 00-0547	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	847.38	15.23
28 21 31 00-0548	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	903.55	15.23
28 21 31 00-0549		**Direct Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)* Note: Includes spot filter.		
28 21 31 00-0550	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	562.35	15.23
28 21 31 00-0551	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	649.51	15.23
28 21 31 00-0552	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	998.71	15.23
28 21 31 00-0553	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	1,112.72	15.23
28 21 31 00-0554	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	2,206.01	15.23
28 21 31 00-0555		**Video Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)* Note: Includes spot filter.		
28 21 31 00-0556	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	694.91	15.23
28 21 31 00-0557	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	827.89	15.23
28 21 31 00-0558	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	1,041.12	15.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0559	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	1,516.88	15.23
28 21 31 00-0560	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	2,471.83	15.23
28 21 31 00-0561		**Camera Power Supplies** *(28 21 31 00-0002)*		
28 21 31 00-0562	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	46.61	12.99
28 21 31 00-0563	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	81.00	12.99
28 21 31 00-0564	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	321.74	25.97
28 21 31 00-0565	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	372.61	38.96
28 21 31 00-0566	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	420.99	51.95
		For Switchable Outputs, Add	*190.27*	
28 21 31 00-0567	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	471.87	64.92
		For Switchable Outputs, Add	*205.21*	
28 21 31 00-0568		**Camera Illuminators** *(28 21 31 00-0002)*		
28 21 31 00-0569		**Camera Illuminators** *(28 21 31 00-0568)*		
		Note: Includes lamp and mounting bracket.		
28 21 31 00-0570	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,808.23	25.97
28 21 31 00-0571	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,808.23	25.97
28 21 31 00-0572	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,808.23	25.97
28 21 31 00-0573		**Camera Illuminator Accessories** *(28 21 31 00-0568)*		
28 21 31 00-0574	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	149.39	25.97
28 21 31 00-0575		**Camera Receivers** *(28 21 31 00-0002)*		
28 21 31 00-0576	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,751.37	44.34
28 21 31 00-0577	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,751.37	44.34
28 21 31 00-0578		**Pan And Tilt Drives** *(28 21 31 00-0002)*		
28 21 31 00-0579	EA	15 Lb. Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,241.44	97.39
28 21 31 00-0580	EA	40 Lb. Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,576.19	97.39
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0581	EA	100 Lb. Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	3,332.48	97.39
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0582	EA	100 Lb. Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	3,808.23	97.39
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0583	EA	100 Lb. Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	4,406.65	97.39
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0584	EA	100 Lb. Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	5,679.16	97.39
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0585		**Scanners** *(28 21 31 00-0002)*		
28 21 31 00-0586	EA	35 Lb. Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	1,416.84	97.39
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0587	EA	35 Lb. Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	1,489.07	97.39
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0588		**Camera Monitors** *(28 21 31 00-0001)*		
28 21 31 00-0589		**Camera Monitors** *(28 21 31 00-0588)*		
28 21 31 00-0590		**Monochrome Camera Monitors** *(28 21 31 00-0589)*		
28 21 31 00-0591	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	276.26	19.48
28 21 31 00-0592	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	316.39	19.48
28 21 31 00-0593	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	486.06	19.48
28 21 31 00-0594	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	782.97	19.48
28 21 31 00-0595		**Color Camera Monitors** *(28 21 31 00-0589)*		
28 21 31 00-0596	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	883.86	19.48
28 21 31 00-0597	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	716.48	19.48
28 21 31 00-0598	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	1,042.06	19.48
28 21 31 00-0599	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	1,385.98	19.48
28 21 31 00-0600		**LCD Camera Monitors** *(28 21 31 00-0588)*		
28 21 31 00-0601		**VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)** *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals.		
28 21 31 00-0602	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	999.64	19.48
28 21 31 00-0603	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,302.29	19.48
28 21 31 00-0604		**Multimode, Color LCD Camera Monitors (Pelco 300 Series)** *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0605	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,137.21	19.48
28 21 31 00-0606	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,361.91	19.48

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28 21 31 00-0607	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,676.02	19.48
28 21 31 00-0608		**Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)** *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0609	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,460.50	19.48
28 21 31 00-0610	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,694.36	19.48
28 21 31 00-0611	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	2,126.55	19.48
28 21 31 00-0612		**Camera Monitor Mounting Accessories** *(28 21 31 00-0588)*		
28 21 31 00-0613		**Camera Monitor Mounts** *(28 21 31 00-0612)*		
28 21 31 00-0614	EA	Up To 14", Camera Monitor Mount (Pelco)	338.55	25.97
28 21 31 00-0615	EA	>14" To 17", Camera Monitor Mount (Pelco)	394.72	25.97
28 21 31 00-0616	EA	>17" To 21", Camera Monitor Mount (Pelco)	463.51	25.97
28 21 31 00-0617		**Camera Monitor Rack Mount Kits** *(28 21 31 00-0612)*		
28 21 31 00-0618	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	204.42	25.97
28 21 31 00-0619		**Video Transmission Equipment** *(28 21 31 00-0001)*		
28 21 31 00-0620		**UTP Cable, Video Transmission Equipment** *(28 21 31 00-0619)*		
28 21 31 00-0621		**UTP Cable, Active Video Receivers** *(28 21 31 00-0620)*		
28 21 31 00-0622	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	426.04	32.47
28 21 31 00-0623	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	1,472.70	32.47
28 21 31 00-0624	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,899.97	32.47
28 21 31 00-0625	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	4,765.16	32.47
28 21 31 00-0626	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	5,564.20	32.47
28 21 31 00-0627		**UTP Cable, Passive Video Transceivers** *(28 21 31 00-0620)*		
28 21 31 00-0628	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	123.39	32.47
28 21 31 00-0629	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	426.04	32.47
28 21 31 00-0630	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	788.30	32.47
28 21 31 00-0631	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,501.36	32.47
28 21 31 00-0632	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,938.94	32.47
28 21 31 00-0633		**UTP Cable, Active Video Transmitters** *(28 21 31 00-0620)*		
28 21 31 00-0634	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	445.52	32.47
28 21 31 00-0635		**Fiber Optics, Video Transmission Equipment** *(28 21 31 00-0619)*		
28 21 31 00-0636		**Data Only, Fiber Optics Transmission Equipment** *(28 21 31 00-0635)*		
28 21 31 00-0637		**Bidirectional Data, Fiber Optics Transmitters** *(28 21 31 00-0636)*		
28 21 31 00-0638	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	2,592.33	64.92
28 21 31 00-0639	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	1,058.44	64.92
28 21 31 00-0640	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,894.17	64.92
28 21 31 00-0641	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	1,306.07	64.92
28 21 31 00-0642		**Bidirectional Data, Fiber Optics Receivers** *(28 21 31 00-0636)*		
28 21 31 00-0643	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,592.33	64.92
28 21 31 00-0644	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	1,058.44	64.92
28 21 31 00-0645	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,894.17	64.92
28 21 31 00-0646	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,306.07	64.92
28 21 31 00-0647		**Video Only, Fiber Optics Transmission Equipment** *(28 21 31 00-0635)*		
28 21 31 00-0648		**Digitally Encoded Video, Fiber Optics Transmitters** *(28 21 31 00-0647)*		
28 21 31 00-0649	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	1,150.16	64.92
28 21 31 00-0650	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	501.29	64.92
28 21 31 00-0651	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	3,189.60	64.92
28 21 31 00-0652	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,917.10	64.92
28 21 31 00-0653	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	5,225.61	64.92
28 21 31 00-0654	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	4,345.17	64.92
28 21 31 00-0655	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	12,975.27	64.92
28 21 31 00-0656	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	11,548.00	64.92
28 21 31 00-0657		**Digitally Encoded Video, Fiber Optics Receivers** *(28 21 31 00-0647)*		
28 21 31 00-0658	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	1,150.16	64.92
28 21 31 00-0659	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	501.29	64.92
28 21 31 00-0660	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,964.10	64.92
28 21 31 00-0661	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	795.92	64.92
28 21 31 00-0662	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	3,189.60	64.92
28 21 31 00-0663	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,917.10	64.92
28 21 31 00-0664	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	5,225.61	64.92

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28 21 31 00-0665	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	4,345.17	64.92
28 21 31 00-0666	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	12,975.27	64.92
28 21 31 00-0667	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	11,548.00	64.92
28 21 31 00-0668		Video And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0669		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0668)*		
28 21 31 00-0670	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,983.59	64.92
28 21 31 00-0671	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	1,182.26	64.92
28 21 31 00-0672	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	4,619.16	64.92
28 21 31 00-0673	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	3,998.96	64.92
28 21 31 00-0674	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	7,477.14	64.92
28 21 31 00-0675	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	5,420.50	64.92
28 21 31 00-0676		Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0668)*		
28 21 31 00-0677	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,983.59	64.92
28 21 31 00-0678	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	1,182.26	64.92
28 21 31 00-0679	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	4,619.16	64.92
28 21 31 00-0680	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	3,998.96	64.92
28 21 31 00-0681	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	7,477.14	64.92
28 21 31 00-0682	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	5,420.50	64.92
28 21 31 00-0683		Video, Audio And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0684		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters *(28 21 31 00-0683)*		
28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	2,555.64	64.92
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	2,032.88	64.92
28 21 31 00-0687		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers *(28 21 31 00-0683)*		
28 21 31 00-0688	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	2,555.64	64.92
28 21 31 00-0689	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	2,032.88	64.92
28 21 31 00-0690		Video Amplifiers *(28 21 31 00-0619)*		
28 21 31 00-0691		Video Distribution Amplifiers *(28 21 31 00-0690)*		
28 21 31 00-0692	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	315.63	16.23
28 21 31 00-0693	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	2,567.16	16.23
28 21 31 00-0694		Video Equalizing Amplifiers *(28 21 31 00-0690)*		
28 21 31 00-0695	EA	Video Equalizing Amplifier (Pelco EA2010)	343.14	16.23
28 21 31 00-0696	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	539.18	16.23
28 21 31 00-0697		Network Video Equipment *(28 21 31 00-0001)*		
28 21 31 00-0698		Video Encoders/Decoders *(28 21 31 00-0697)*		
28 21 31 00-0699	EA	MPEG4 IP Video Receiver (Pelco NET300R)	1,271.67	32.47
28 21 31 00-0700	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	1,271.67	32.47
28 21 31 00-0701	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	1,464.27	32.47
28 21 31 00-0702	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	1,464.27	32.47
28 21 31 00-0703		Network Video Recorders *(28 21 31 00-0697)*		
28 21 31 00-0704	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	8,069.83	64.92
28 21 31 00-0705	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	9,391.63	64.92
28 21 31 00-0706	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	12,037.52	64.92
28 21 31 00-0707	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	7,970.09	64.92
28 21 31 00-0708		Network Video Recorder Software *(28 21 31 00-0697)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0709	EA	10 User, License Pack (Pelco VMX300-LIC-10)	797.89	
28 21 31 00-0710	EA	20 User, License Pack (Pelco VMX300-LIC-20)	1,438.73	
28 21 31 00-0711	EA	50 User, License Pack (Pelco VMX300-LIC-50)	3,195.02	
28 21 31 00-0712	EA	100 User, License Pack (Pelco VMX300-LIC-100)	5,588.70	
28 21 31 00-0713	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,332.12	
28 21 31 00-0714	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,395.98	
28 21 31 00-0715	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	5,325.03	
28 21 31 00-0716	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	9,316.79	
28 21 31 00-0717	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	15,970.50	
28 21 31 00-0718	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	33,270.82	
28 21 31 00-0719	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	7,182.04	
28 21 31 00-0720	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	7,625.70	
28 21 31 00-0721	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	12,063.41	
28 21 31 00-0722	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	7,981.08	
28 21 31 00-0723	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	8,424.74	
28 21 31 00-0724	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	12,860.16	
28 21 31 00-0725	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,715.12	
28 21 31 00-0726	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	8,159.92	
28 21 31 00-0727	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	12,596.49	
28 21 31 00-0728	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	9,044.94	
28 21 31 00-0729	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	9,488.60	
28 21 31 00-0730	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	13,926.31	
28 21 31 00-0731		Video Recording Equipment *(28 21 31 00-0001)*		
28 21 31 00-0732		Digital Video Recorders *(28 21 31 00-0731)*		
28 21 31 00-0733	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	12,638.23	64.92
28 21 31 00-0734	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	17,331.59	64.92
28 21 31 00-0735	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	22,026.10	64.92
28 21 31 00-0736	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	15,216.48	64.92
28 21 31 00-0737	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	19,909.85	64.92
28 21 31 00-0738	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	24,604.35	64.92
28 21 31 00-0739	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	16,634.58	64.92
28 21 31 00-0740	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	21,327.94	64.92
28 21 31 00-0741	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	26,022.45	64.92
28 21 31 00-0742	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	19,212.83	64.92
28 21 31 00-0743	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	23,906.20	64.92
28 21 31 00-0744	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	28,600.70	64.92
28 21 31 00-0745	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	13,951.20	64.92
28 21 31 00-0746		Digital Video Recorder Accessories *(28 21 31 00-0731)*		
28 21 31 00-0747	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,230.40	32.47
28 21 31 00-0748		Matrix Systems And Controls *(28 21 31 00-0001)*		
28 21 31 00-0749		Video Multiplexers *(28 21 31 00-0748)*		
28 21 31 00-0750		Monochrome Duplex, Video Multiplexers *(28 21 31 00-0749)*		
28 21 31 00-0751	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,324.07	64.92
28 21 31 00-0752	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	2,196.82	64.92
28 21 31 00-0753		Color Duplex, Video Multiplexers *(28 21 31 00-0749)*		
28 21 31 00-0754	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,570.88	64.92
28 21 31 00-0755	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	2,993.57	64.92
28 21 31 00-0756	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	3,244.63	64.92
28 21 31 00-0757		Color Simplex, Video Multiplexers *(28 21 31 00-0749)*		
28 21 31 00-0758	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,516.66	64.92
28 21 31 00-0759	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,938.54	64.92
28 21 31 00-0760		Video Multiplexer Accessories *(28 21 31 00-0749)*		
28 21 31 00-0761	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,387.96	44.34
28 21 31 00-0762	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	817.05	44.34
28 21 31 00-0763	EA	Video Multiplexer Server (Pelco MX4000SVR)	2,324.07	64.92
28 21 31 00-0764		Quad Video Processor *(28 21 31 00-0748)*		
28 21 31 00-0765	EA	Monochrome, Quad Video Processor (Pelco QD104M)	719.51	32.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0766	EA	Color, Quad Video Processor (Pelco QD104C)	1,178.07	32.47
28 21 31 00-0767		**Switcher** *(28 21 31 00-0748)*		
28 21 31 00-0768		**Terminating Manual Switchers** *(28 21 31 00-0767)*		
28 21 31 00-0769		**Terminating Manual Switchers** *(28 21 31 00-0768)*		
28 21 31 00-0770	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	250.28	25.97
28 21 31 00-0771	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	339.70	25.97
28 21 31 00-0772	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	413.07	25.97
28 21 31 00-0773	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	675.59	25.97
28 21 31 00-0774		**Audio Follow, Terminating Manual Switchers** *(28 21 31 00-0768)*		
28 21 31 00-0775	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	323.65	25.97
28 21 31 00-0776	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	570.12	25.97
28 21 31 00-0777	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	995.44	25.97
28 21 31 00-0778		**Balanced Audio Follow, Terminating Manual Switchers** *(28 21 31 00-0768)*		
28 21 31 00-0779	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	432.55	25.97
28 21 31 00-0780	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	792.52	25.97
28 21 31 00-0781		**Looping Manual Switchers** *(28 21 31 00-0767)*		
28 21 31 00-0782		**Looping Manual Switchers** *(28 21 31 00-0781)*		
28 21 31 00-0783	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	280.08	25.97
28 21 31 00-0784	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	384.41	25.97
28 21 31 00-0785	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	489.87	25.97
28 21 31 00-0786	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	807.43	25.97
28 21 31 00-0787		**Audio Follow, Looping Manual Switchers** *(28 21 31 00-0781)*		
28 21 31 00-0788	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	348.87	25.97
28 21 31 00-0789	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	609.10	25.97
28 21 31 00-0790	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	836.09	25.97
28 21 31 00-0791		**Balanced Audio Follow, Looping Manual Switchers** *(28 21 31 00-0781)*		
28 21 31 00-0792	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	463.51	25.97
28 21 31 00-0793	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	839.53	25.97
28 21 31 00-0794	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	1,056.20	25.97
28 21 31 00-0795		**Sequential Switchers** *(28 21 31 00-0767)*		
28 21 31 00-0796		**Single Output, Sequential Switchers** *(28 21 31 00-0795)*		
28 21 31 00-0797	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	491.02	25.97
28 21 31 00-0798	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	731.77	25.97
28 21 31 00-0799		**Dual Outputs, Sequential Switchers** *(28 21 31 00-0795)*		
28 21 31 00-0800	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	613.69	25.97
28 21 31 00-0801	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	849.84	25.97
28 21 31 00-0802		**Controls** *(28 21 31 00-0748)*		
28 21 31 00-0803		**Direct/Multi-Cable Controls** *(28 21 31 00-0802)*		
28 21 31 00-0804	EA	Scanner Control Module (Pelco MPS524DT)	423.34	64.92
28 21 31 00-0805	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	452.00	64.92
28 21 31 00-0806	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	501.29	64.92
28 21 31 00-0807	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	524.22	64.92
28 21 31 00-0808	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	826.87	64.92
28 21 31 00-0809	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	910.56	64.92
28 21 31 00-0810		**Coaxitron Controls** *(28 21 31 00-0802)*		
28 21 31 00-0811	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	603.82	44.34
28 21 31 00-0812	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,143.78	44.34
28 21 31 00-0813	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	1,298.54	44.34
28 21 31 00-0814		**Digital Controls** *(28 21 31 00-0802)*		
28 21 31 00-0815	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	811.32	44.34
28 21 31 00-0816	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	1,376.49	44.34
28 21 31 00-0817		**Lock Boxes** *(28 21 31 00-0748)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0818	EA	VCR Lock Box (Pelco LB1000)	497.48	48.69
		For Wall Mount, Add	*165.00*	
28 21 31 00-0819	EA	Computer Disk Drive Lock Box (Pelco LB2000)	508.95	48.69
28 21 31 00-0820	EA	VCR And Multiplexer Lock Box (Pelco LB3000) Note: Includes storage for 32 VCR tapes.	933.12	48.69

28 21 31 00-0821 Test And Certification Of Surveillance Camera System *(28 21 31)*

28 21 31 00-0822	DAY	Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	1,031.11	
28 21 31 00-0823	HR	Test And Certification Of Surveillance Camera System	322.22	

28 21 31 00-0824 Programming Of Surveillance Camera System *(28 21 31)*

28 21 31 00-0825	HR	Programming Of Surveillance Camera (CCTV) System	257.78	

28 21 31 00-0826 Removal And Reinstallation Of Cameras *(28 21 31)*

Note: Includes storage, cleaning and supply materials.

28 21 31 00-0827	EA	Removal And Reinstallation Of Camera System	584.35	

28 40 Life Safety *(28)*

Note: Includes testing of new devices and certification.

28 41 Radiation Detection and Alarm *(28 40)*

28 41 15 Radiation Detection Sensors *(28 41)*

28 41 15 00-0001 Wall Mount, Battery Operated, Home Radon Detector *(28 41 15)*

Note: Long term and 7 day average display.

28 41 15 00-0002	EA	Wall Mount, Battery Operated, Home Radon Detector	213.77	

28 42 Gas Detection and Alarm *(28 40)*

28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems *(28 42)*

28 42 11 00-0001 Monitoring System For Underground Tanks *(28 42 11)*

28 42 11 00-0002 Continuous Leak Detection System *(28 42 11 00-0001)*

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	9,901.21	531.59
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System	13,360.62	709.23
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System	18,948.96	759.79
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System	20,279.46	1,063.19
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	14,371.32	90.76
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	12,960.17	81.04
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	17,045.14	90.76
28 42 11 00-0010	EA	Tank Leak Detection Probe	5,277.88	19.45
28 42 11 00-0011	EA	Secondary Containment Collar Probe	643.28	7.78
28 42 11 00-0012	EA	Interstitial Leak Detection Probe	1,178.73	16.20
28 42 11 00-0013	EA	Liquid Phase Detection	3,890.87	48.62
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed	3,590.75	48.62
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted	4,197.13	55.10
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon	4,797.38	55.10

28 42 15 Gas Detection Sensors *(28 42)*

28 42 15 00-0001 Hydrogen Gas Detection *(28 42 15)*

28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,078.03	48.69
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	109.93	16.23
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	528.93	48.69

28 43 Fuel Oil Detection and Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm *(28 40)*

28 46 13 Fire-Alarm Systems *(28 46)*

28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems *(28 46 13)*

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001 Edwards Fire Alarm *(28 46 13 31)*

28 46 13 31-0002 EST3 Life Safety And Security Control *(28 46 13 31-0001)*

28 46 13 31-0003 EST3 Network *(28 46 13 31-0002)*

28 46 13 31-0004 Remote Annunciators *(28 46 13 31-0003)*

28 46 13 31-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,679.79	97.39
28 46 13 31-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,369.13	97.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,731.37	97.39
28 46 13 31-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	1,103.96	97.39
28 46 13 31-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	203.27	32.47
28 46 13 31-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	710.14	97.39
28 46 13 31-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	641.65	97.39
28 46 13 31-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	800.95	97.39
28 46 13 31-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	933.00	64.92
28 46 13 31-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	141.60	32.47
28 46 13 31-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,989.11	97.39
28 46 13 31-0016	EA	120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,754.80	32.47
28 46 13 31-0017		**Remote Annunciators Cabinets** *(28 46 13 31-0003)*		
28 46 13 31-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	152.63	32.47
28 46 13 31-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	139.66	25.97
28 46 13 31-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	172.10	32.47
28 46 13 31-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	159.13	25.97
28 46 13 31-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	190.36	32.47
28 46 13 31-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	177.39	25.97
28 46 13 31-0024		**Audio And Telephone Masters** *(28 46 13 31-0003)*		
28 46 13 31-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	5,472.31	129.86
28 46 13 31-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	3,047.91	129.86
28 46 13 31-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	1,725.97	129.86
28 46 13 31-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	2,881.22	129.86
28 46 13 31-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	3,290.28	129.86
28 46 13 31-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	1,672.54	64.92
28 46 13 31-0031		**Battery Distribution Unit** *(28 46 13 31-0003)*		
28 46 13 31-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	605.21	475.36
28 46 13 31-0033		**Remote Booster Power Supply** *(28 46 13 31-0003)*		
28 46 13 31-0034	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	952.51	97.39
28 46 13 31-0035	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10)	1,087.33	97.39
28 46 13 31-0036	EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220)	1,186.67	97.39
28 46 13 31-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	155.90	32.47
28 46 13 31-0038		**Batteries And Battery Cabinets** *(28 46 13 31-0003)*		
28 46 13 31-0039	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours))	118.87	32.47
28 46 13 31-0040	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours))	148.16	32.47
28 46 13 31-0041	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours))	350.23	32.47
28 46 13 31-0042	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours))	159.89	32.47
28 46 13 31-0043	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours))	444.04	32.47
28 46 13 31-0044	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours))	249.85	32.47
28 46 13 31-0045	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours))	901.07	32.47
28 46 13 31-0046	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours))	255.89	32.47
28 46 13 31-0047	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours))	1,084.84	32.47
28 46 13 31-0048	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours))	142.45	32.47
28 46 13 31-0049	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours))	127.82	32.47
28 46 13 31-0050	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	456.62	64.92
28 46 13 31-0051	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2) Note: Holds up to two 12V17A batteries.	377.74	64.92
28 46 13 31-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	1,290.22	129.86
28 46 13 31-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	1,600.78	129.86
28 46 13 31-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	2,244.77	129.86
28 46 13 31-0055		**Serial Printer** *(28 46 13 31-0003)*		
28 46 13 31-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	873.54	32.47
28 46 13 31-0057		**Intelligent Analog Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0058		**Detectors, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0059	EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS)	274.05	48.69
28 46 13 31-0060	EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB)	308.14	48.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0061	EA	Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS)	263.89	48.69
28 46 13 31-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	233.42	48.69
28 46 13 31-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	243.58	48.69
28 46 13 31-0064	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS)	199.44	48.69
28 46 13 31-0065	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS)	199.44	48.69
28 46 13 31-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	317.21	48.69
28 46 13 31-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	350.49	48.69
28 46 13 31-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	295.42	48.69
28 46 13 31-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	427.50	48.69
28 46 13 31-0070	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	246.12	48.69
28 46 13 31-0071	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	246.12	48.69
28 46 13 31-0072	EA	Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS)	339.80	48.69
28 46 13 31-0073		**Detectors, Duct Housings and Accessories, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	554.81	81.16
28 46 13 31-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	23.91	
28 46 13 31-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	72.77	19.48
28 46 13 31-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	144.81	25.97
28 46 13 31-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	196.37	25.97
28 46 13 31-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	85.99	25.97
28 46 13 31-0080		**Modules, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0081	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	258.53	32.47
28 46 13 31-0082	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	114.14	32.47
28 46 13 31-0083	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	148.47	32.47
28 46 13 31-0084	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	231.35	32.47
28 46 13 31-0085	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	161.42	32.47
28 46 13 31-0086	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	168.54	32.47
28 46 13 31-0087	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	132.27	32.47
28 46 13 31-0088	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	200.95	32.47
28 46 13 31-0089	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	268.86	32.47
28 46 13 31-0090	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	262.04	32.47
28 46 13 31-0091	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	251.88	32.47
28 46 13 31-0092	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	230.82	198.37
28 46 13 31-0093	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	168.57	32.47
28 46 13 31-0094	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	269.97	32.47
28 46 13 31-0095		**Module Accessories, Signature** *(28 46 13 31-0057)* Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0096	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	66.59	16.23
28 46 13 31-0097	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	228.06	32.47
28 46 13 31-0098	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	24.56	9.73
28 46 13 31-0099	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	78.35	16.23
28 46 13 31-0100	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	69.91	16.23
28 46 13 31-0101	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	73.24	16.23
28 46 13 31-0102		**Single Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0103	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	282.84	67.52
28 46 13 31-0104	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	333.80	67.52
28 46 13 31-0105	EA	GA Key - For Pre Signal Station (EST3 276-K2)	38.87	32.37
28 46 13 31-0106	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	48.68	42.18
28 46 13 31-0107	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	73.96	47.98
28 46 13 31-0108		**Double Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0109	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	206.93	67.52
28 46 13 31-0110	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	49.41	6.49
28 46 13 31-0111		**Detector Bases and Accessories, Signature** *(28 46 13 31-0057)* Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0112	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	141.97	16.23
28 46 13 31-0113	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	52.95	16.23
28 46 13 31-0114	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	177.33	16.23
28 46 13 31-0115	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	100.55	16.23
28 46 13 31-0116	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	117.52	16.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0117	EA	Detector Mounting Plate (EST3 SIGA-DMP) ..... Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	185.45	16.23
28 46 13 31-0118	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	66.59	16.23
28 46 13 31-0119	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	24.70	9.73
28 46 13 31-0120	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	24.70	9.73
28 46 13 31-0121	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	70.58	9.73
28 46 13 31-0122	EA	Detector Base With Isolator (EST3 SIGA-IB)	115.80	16.23
28 46 13 31-0123	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	123.08	16.23
28 46 13 31-0124	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	66.15	16.23
28 46 13 31-0125	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	103.11	16.23
28 46 13 31-0126	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	43.48	16.23
28 46 13 31-0127		**Controllers, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0128	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	3,924.45	97.39
28 46 13 31-0129	EA	Single Signature Loop Controller (EST3 3-SSDC1)	2,250.11	97.39
28 46 13 31-0130	EA	Signature Loop Controller (EST3 3-SDC1)	2,021.57	97.39
28 46 13 31-0131	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	3,239.43	97.39
28 46 13 31-0132		**Relays And Accessories** *(28 46 13 31-0057)*		
28 46 13 31-0133	EA	Multi Voltage Relay (EST3 MR101)	208.68	32.47
28 46 13 31-0134	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	62.26	16.23
28 46 13 31-0135		**Notification Appliances** *(28 46 13 31-0002)*		
28 46 13 31-0136		**Wall Strobes, Horns And Chimes** *(28 46 13 31-0135)*		
28 46 13 31-0137	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	170.01	48.69
28 46 13 31-0138	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	170.01	48.69
28 46 13 31-0139	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	193.66	48.69
28 46 13 31-0140	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	143.36	48.69
28 46 13 31-0141	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	143.36	48.69
28 46 13 31-0142	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	143.36	48.69
28 46 13 31-0143	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	143.36	48.69
28 46 13 31-0144	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	120.97	48.69
28 46 13 31-0145	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	120.97	48.69
28 46 13 31-0146	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	120.97	48.69
28 46 13 31-0147	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	290.20	48.69
28 46 13 31-0148	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	290.20	48.69
28 46 13 31-0149	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	190.78	48.69
28 46 13 31-0150	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	190.78	48.69
28 46 13 31-0151	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	170.01	48.69
28 46 13 31-0152	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	170.01	48.69
28 46 13 31-0153	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	170.01	48.69
28 46 13 31-0154	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	170.01	48.69
28 46 13 31-0155	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	176.66	48.69
28 46 13 31-0156	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	176.66	48.69
28 46 13 31-0157	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	192.21	48.69
28 46 13 31-0158	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	176.66	48.69
28 46 13 31-0159	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	176.66	48.69
28 46 13 31-0160	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	106.41	48.69
28 46 13 31-0161	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	106.41	48.69
28 46 13 31-0162		**Wall Speakers And Speaker Strobes** *(28 46 13 31-0135)*		
28 46 13 31-0163	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	141.35	48.69
28 46 13 31-0164	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	216.37	48.69
28 46 13 31-0165	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	141.35	48.69
28 46 13 31-0166	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	216.37	48.69
28 46 13 31-0167	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	70.23	25.97
28 46 13 31-0168	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	70.23	25.97
28 46 13 31-0169		**Ceiling Speakers And Speaker Strobes** *(28 46 13 31-0135)*		
28 46 13 31-0170	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	168.56	48.69
28 46 13 31-0171	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	216.37	48.69
28 46 13 31-0172	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	231.51	48.69
28 46 13 31-0173		**Harsh Environment Signals** *(28 46 13 31-0135)*		
28 46 13 31-0174	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	149.94	48.69
28 46 13 31-0175	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	209.65	48.69
28 46 13 31-0176	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	209.65	48.69
28 46 13 31-0177	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T)	191.90	48.69
28 46 13 31-0178	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T)	180.10	48.69
28 46 13 31-0179	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T)	191.90	48.69
28 46 13 31-0180	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T)	191.90	48.69
28 46 13 31-0181	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T)	191.90	48.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0182	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	212.21	55.19
28 46 13 31-0183	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	212.21	55.19
28 46 13 31-0184	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	157.14	48.69
28 46 13 31-0185	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	203.98	48.69
28 46 13 31-0186		**Fire Alarm Bells** *(28 46 13 31-0135)*		
28 46 13 31-0187	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	226.21	48.69
28 46 13 31-0188	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	181.62	48.69
28 46 13 31-0189	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	200.65	48.69
28 46 13 31-0190		**Multiple Tone Signal** *(28 46 13 31-0135)*		
28 46 13 31-0191	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	1,435.44	1,386.74
28 46 13 31-0192		**Multi-Purpose Loudspeaker** *(28 46 13 31-0135)*		
28 46 13 31-0193	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	297.33	48.69
28 46 13 31-0194	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	297.33	48.69
28 46 13 31-0195		**Bell/Strobe Plate** *(28 46 13 31-0135)*		
28 46 13 31-0196	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	150.50	25.97
28 46 13 31-0197		**Mounting Accessories** *(28 46 13 31-0135)*		
28 46 13 31-0198	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	71.61	25.97
28 46 13 31-0199	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	71.61	25.97
28 46 13 31-0200	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	71.61	25.97
28 46 13 31-0201	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	71.61	25.97
28 46 13 31-0202	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	71.61	25.97
28 46 13 31-0203		**Firefighters' Telephones** *(28 46 13 31-0135)*		
28 46 13 31-0204	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	1,287.82	81.16
28 46 13 31-0205	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	725.08	81.16
28 46 13 31-0206	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	522.43	81.16
28 46 13 31-0207	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	381.15	81.16
28 46 13 31-0208	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	699.86	81.16
28 46 13 31-0209	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	431.57	81.16
28 46 13 31-0210	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	789.17	81.16
28 46 13 31-0211	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	448.38	81.16
28 46 13 31-0212	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	903.53	81.16
28 46 13 31-0213	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	99.11	25.97
28 46 13 31-0214	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	113.74	25.97
28 46 13 31-0215	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	158.52	
28 46 13 31-0216	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	158.52	
28 46 13 31-0217	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	240.49	32.47
28 46 13 31-0218	EA	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2)	298.72	32.47
28 46 13 31-0219	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	211.37	32.47
28 46 13 31-0220	EA	Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4)	202.81	32.47
28 46 13 31-0221	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	150.59	48.69
28 46 13 31-0222	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	1,328.88	64.92
28 46 13 31-0223		**Mass Notification EC Appliances** *(28 46 13 31-0135)*		
28 46 13 31-0224	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	176.71	48.69
28 46 13 31-0225	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	170.66	48.69
28 46 13 31-0226	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	176.71	48.69
28 46 13 31-0227	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	170.66	48.69
28 46 13 31-0228	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	26.71	9.73
28 46 13 31-0229		**Hazardous Location Devices** *(28 46 13 31-0002)*		
28 46 13 31-0230		**Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location** *(28 46 13 31-0229)*		
28 46 13 31-0231	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	153.68	48.69
28 46 13 31-0232	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	153.68	48.69
28 46 13 31-0233	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	159.75	48.69
28 46 13 31-0234	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	159.75	48.69
28 46 13 31-0235	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	215.81	48.69
28 46 13 31-0236	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	215.81	48.69
28 46 13 31-0237	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	159.75	48.69
28 46 13 31-0238	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	159.75	48.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0239		**Hazardous Locations Fire Alarm Station** *(28 46 13 31-0229)*		
28 46 13 31-0240	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	1,364.12	81.16
28 46 13 31-0241	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,298.82	81.16
28 46 13 31-0242		**Hazardous Location Strobes** *(28 46 13 31-0229)*		
28 46 13 31-0243	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	2,024.17	48.69
28 46 13 31-0244	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	378.12	16.23
28 46 13 31-0245	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	494.59	19.48
28 46 13 31-0246	EA	Pendant Mounting Module (EST3 116EX-P)	363.18	19.48
28 46 13 31-0247		**Hazardous Location Bells** *(28 46 13 31-0229)*		
28 46 13 31-0248	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,461.31	48.69
28 46 13 31-0249	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,499.11	48.69
28 46 13 31-0250	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,512.72	48.69
28 46 13 31-0251		**Hazardous Location Horns** *(28 46 13 31-0229)*		
28 46 13 31-0252	EA	Hazardous Location Horns (EST3 888D-N5)	1,428.74	48.69
28 46 13 31-0253	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	1,167.17	48.69
28 46 13 31-0254		**Door Holders And Relays** *(28 46 13 31-0002)*		
28 46 13 31-0255		**Electromagnetic Door Holders** *(28 46 13 31-0254)*		
28 46 13 31-0256	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	257.36	48.69
28 46 13 31-0257	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	333.22	48.69
28 46 13 31-0258	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	218.62	48.69
28 46 13 31-0259	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	218.62	48.69
28 46 13 31-0260	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	222.13	48.69
28 46 13 31-0261	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	225.46	48.69
28 46 13 31-0262		**Control Relays, Multi-Voltage** *(28 46 13 31-0254)*		
28 46 13 31-0263	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	52.03	9.73
28 46 13 31-0264		**FireShield Plus** *(28 46 13 31-0002)*		
28 46 13 31-0265		**3 Zone System** *(28 46 13 31-0264)*		
28 46 13 31-0266	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	1,398.82	389.57
28 46 13 31-0267	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	2,036.39	519.41
28 46 13 31-0268	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	1,398.82	389.57
28 46 13 31-0269	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	2,036.39	519.41
28 46 13 31-0270	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	97.84	16.23
28 46 13 31-0271	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	97.84	16.23
28 46 13 31-0272		**5 Zone System** *(28 46 13 31-0264)*		
28 46 13 31-0273	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,504.62	389.57
28 46 13 31-0274	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	2,136.14	519.41
28 46 13 31-0275	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,504.62	389.57
28 46 13 31-0276	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	2,136.14	519.41
28 46 13 31-0277	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	97.84	16.23
28 46 13 31-0278	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	97.84	16.23
28 46 13 31-0279		**10 Zone System** *(28 46 13 31-0264)*		
28 46 13 31-0280	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	2,172.42	519.41
28 46 13 31-0281	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	2,809.99	649.27
28 46 13 31-0282	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	2,127.08	519.41
28 46 13 31-0283	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	2,809.99	649.27
28 46 13 31-0284	EA	Semi-Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	114.21	16.23
28 46 13 31-0285	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	208.86	32.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0286		**FireShield Plus Off Premise Communication Options** *(28 46 13 31-0264)*		
28 46 13 31-0287	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	457.89	32.47
28 46 13 31-0288		**FireShield Plus Remote LED Annunciators** *(28 46 13 31-0264)*		
28 46 13 31-0289	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	195.48	48.69
28 46 13 31-0290	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	195.48	48.69
28 46 13 31-0291	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	203.19	48.69
28 46 13 31-0292	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	39.14	9.73
28 46 13 31-0293	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	49.01	9.73
28 46 13 31-0294	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	72.71	9.73
28 46 13 31-0295		**FireShield Plus Remote 10 Zone LED Annunciators** *(28 46 13 31-0264)*		
28 46 13 31-0296	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	611.28	48.69
28 46 13 31-0297	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	671.74	48.69
28 46 13 31-0298	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	216.06	32.47
28 46 13 31-0299		**FireShield Plus Remote Relays And Interfaces** *(28 46 13 31-0264)*		
28 46 13 31-0300	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	228.40	32.47
28 46 13 31-0301	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	94.65	19.48
28 46 13 31-0302	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	364.18	32.47
28 46 13 31-0303		**FireShield Plus Accessories** *(28 46 13 31-0264)*		
28 46 13 31-0304	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	21.29	
28 46 13 31-0305	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	13.02	
28 46 13 31-0306		**iO Series Fire Control Panels** *(28 46 13 31-0002)*		
28 46 13 31-0307		**Intelligent Analog Control Panels** *(28 46 13 31-0306)*		
28 46 13 31-0308	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	4,193.17	649.27
28 46 13 31-0309	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	4,486.39	649.27
28 46 13 31-0310	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	3,347.29	519.41
28 46 13 31-0311	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	3,483.32	519.41
28 46 13 31-0312		**Option Modules And Accessories For iO Series** *(28 46 13 31-0306)*		
28 46 13 31-0313	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	399.68	48.69
28 46 13 31-0314	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	248.53	48.69
28 46 13 31-0315	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	248.53	48.69
28 46 13 31-0316	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	216.06	32.47
28 46 13 31-0317	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	444.92	25.97
28 46 13 31-0318	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	807.67	25.97
28 46 13 31-0319	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	95.95	16.23
28 46 13 31-0320	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	111.06	16.23
28 46 13 31-0321	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	1,490.15	64.92
28 46 13 31-0322		**Remote Annunciators For iO Series** *(28 46 13 31-0306)*		
28 46 13 31-0323	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	815.31	48.69
28 46 13 31-0324	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	853.11	48.69
28 46 13 31-0325		**Remote Annunciator Accessories** *(28 46 13 31-0306)*		
28 46 13 31-0326	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	92.93	16.23
28 46 13 31-0327	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	62.70	16.23
28 46 13 31-0328	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	85.36	16.23
28 46 13 31-0329	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	248.53	48.69
28 46 13 31-0330	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	286.31	48.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0331	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	324.11	48.69
28 46 13 31-0332	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	62.70	16.23
28 46 13 31-0333	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	62.70	16.23
28 46 13 31-0334	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	128.74	16.23
28 46 13 31-0335		**System Accessories** *(28 46 13 31-0306)*		
28 46 13 31-0336	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1)	456.62	64.92
28 46 13 31-0337	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	2,070.24	519.41
28 46 13 31-0338		**Conventional Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0339		**Detectors, Heat, Double Pole** *(28 46 13 31-0338)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0340	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	178.84	48.69
28 46 13 31-0341	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	178.84	48.69
28 46 13 31-0342	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	178.84	48.69
28 46 13 31-0343	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	178.84	48.69
28 46 13 31-0344		**Detectors, Rate Compensation Heat, Accessories** *(28 46 13 31-0338)*		
28 46 13 31-0345	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	109.92	48.69
28 46 13 31-0346	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	299.03	25.97
28 46 13 31-0347	EA	4" Weatherproof, Octagon Back Box And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	94.37	32.47
28 46 13 31-0348		**Detectors, Heat, Fire-Lite** *(28 46 13 31-0338)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	167.21	48.69
28 46 13 31-0350	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	167.21	48.69
28 46 13 31-0351		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 46 13 31-0002)*		
28 46 13 31-0352		**Audio Notification Panels** *(28 46 13 31-0351)*		
28 46 13 31-0353	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	5,787.52	649.27
28 46 13 31-0354	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	5,787.52	649.27
28 46 13 31-0355	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	4,321.43	649.27
28 46 13 31-0356	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,321.43	649.27
28 46 13 31-0357	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	5,046.91	649.27
28 46 13 31-0358	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	5,046.91	649.27
28 46 13 31-0359		**Audio Notification Expander Panels** *(28 46 13 31-0351)*		
28 46 13 31-0360	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,442.34	649.27
28 46 13 31-0361	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	4,442.34	649.27
28 46 13 31-0362	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	3,021.59	649.27
28 46 13 31-0363	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	3,021.59	649.27
28 46 13 31-0364	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	3,852.88	649.27
28 46 13 31-0365	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	3,852.88	649.27
28 46 13 31-0366		**Audio Notification Output Accessories** *(28 46 13 31-0351)*		
28 46 13 31-0367	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	168.50	16.23
28 46 13 31-0368	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	745.07	32.47
28 46 13 31-0369	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	745.07	32.47
28 46 13 31-0370	EA	Class A Converter (GE ANSZSC4A)	533.47	32.47
28 46 13 31-0371		**Audio Notification Remote Microphone** *(28 46 13 31-0351)*		
28 46 13 31-0372	EA	Microphone (GE ANSMIKE)	200.95	32.47
28 46 13 31-0373	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	820.64	32.47
28 46 13 31-0374	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	820.64	32.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0375	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	183.61	16.23
28 46 13 31-0376	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	100.47	16.23
28 46 13 31-0377		**Audio Notification Accessories** *(28 46 13 31-0351)*		
28 46 13 31-0378	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	336.98	32.47
28 46 13 31-0379	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	336.98	32.47
28 46 13 31-0380	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	336.98	32.47
28 46 13 31-0381	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	745.07	32.47
28 46 13 31-0382		**Audio Notification Modules, Without Cabinet And Transformer** *(28 46 13 31-0351)*		
28 46 13 31-0383	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	2,714.42	64.92
28 46 13 31-0384	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	2,850.45	64.92
28 46 13 31-0385	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	3,938.68	64.92
28 46 13 31-0386	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	1,490.15	64.92
28 46 13 31-0387	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	1,490.15	64.92
28 46 13 31-0388	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,714.42	64.92
28 46 13 31-0389	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	2,170.30	64.92
28 46 13 31-0390	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	2,306.33	64.92
28 46 13 31-0391	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	3,394.56	64.92
28 46 13 31-0392	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	168.50	16.23
28 46 13 31-0393	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	124.73	16.23
28 46 13 31-0394		**Simplex Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0395		**4100 Fire Alarm Control Panel** *(28 46 13 31-0394)*		
28 46 13 31-0396	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	7,175.50	648.28
28 46 13 31-0397	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	7,831.92	648.28
28 46 13 31-0398	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	11,269.90	648.28
28 46 13 31-0399	EA	Up To 127 Points, IDNet Module, (Simplex 4100-3104) Note: Add-on module.	4,595.92	648.28
28 46 13 31-0400	EA	Up To 64 Points, IDNet Module, (Simplex 4100-3105) Note: Add-on module.	3,594.84	648.28
28 46 13 31-0401	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) Note: Add-on module.	2,288.66	162.07
28 46 13 31-0402	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	478.76	32.42
28 46 13 31-0403	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	1,374.52	32.42
28 46 13 31-0404		**4100U Back Box** *(28 46 13 31-0394)*		
28 46 13 31-0405	EA	2 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	2,383.29	129.66
28 46 13 31-0406	EA	3 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	3,357.21	129.66
28 46 13 31-0407		**DACT (Digital Alarm Communicator Transmitter)** *(28 46 13 31-0394)*		
28 46 13 31-0408	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,304.98	64.82
28 46 13 31-0409		**4010 Fire Alarm Control Panel** *(28 46 13 31-0394)*		
28 46 13 31-0410	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	6,773.09	648.28
28 46 13 31-0411	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	6,573.48	648.28
28 46 13 31-0412	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	246.08	32.42
28 46 13 31-0413	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,070.57	32.42
28 46 13 31-0414	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,472.16	32.42
28 46 13 31-0415	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	756.06	32.42
28 46 13 31-0416	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	818.23	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0417	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	306.48	32.42
28 46 13 31-0418		**Printer** *(28 46 13 31-0394)*		
28 46 13 31-0419	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	2,371.43	32.42
28 46 13 31-0420		**NAC Panel / Power Booster** *(28 46 13 31-0394)*		
28 46 13 31-0421	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) Note: Power supply for horns and strobes.	1,530.25	162.07
28 46 13 31-0422		**Battery** *(28 46 13 31-0394)*		
28 46 13 31-0423	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	958.52	32.42
28 46 13 31-0424	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	636.46	32.42
28 46 13 31-0425	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	228.54	32.42
28 46 13 31-0426		**Interface Modules** *(28 46 13 31-0394)*		
28 46 13 31-0427	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow / tamper, etc.	184.28	32.42
28 46 13 31-0428	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	383.07	32.42
28 46 13 31-0429	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	90.62	32.42
28 46 13 31-0430	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	186.47	32.42
28 46 13 31-0431	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	82.92	16.20
28 46 13 31-0432	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	78.72	16.20
28 46 13 31-0433		**Pull Stations** *(28 46 13 31-0394)*		
28 46 13 31-0434	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	226.92	32.42
28 46 13 31-0435	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	161.64	32.42
28 46 13 31-0436	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	174.25	32.42
28 46 13 31-0437	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	155.95	32.42
28 46 13 31-0438	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	182.68	32.42
28 46 13 31-0439	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	278.73	32.42
28 46 13 31-0440	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	233.18	32.42
28 46 13 31-0441	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	275.28	32.42
28 46 13 31-0442	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	126.56	32.42
28 46 13 31-0443	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	134.26	32.42
28 46 13 31-0444	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	159.07	32.42
28 46 13 31-0445	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	249.23	32.42
28 46 13 31-0446	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	433.62	32.42
28 46 13 31-0447	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	140.59	32.42
28 46 13 31-0448	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	87.15	16.20
28 46 13 31-0449		**Weatherproof Pull Stations** *(28 46 13 31-0394)*		
28 46 13 31-0450	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	220.93	38.90
28 46 13 31-0451	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	143.07	16.20
28 46 13 31-0452		**Heat / Smoke Sensor** *(28 46 13 31-0394)*		
28 46 13 31-0453	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	221.23	48.62
28 46 13 31-0454	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	324.56	48.62
28 46 13 31-0455	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	640.57	16.20
28 46 13 31-0456	EA	Standard Sensor Base (Simplex 4098-9792)	324.71	16.20
28 46 13 31-0457	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	185.05	32.42
28 46 13 31-0458		**Explosion Proof Heat Detector** *(28 46 13 31-0394)*		
28 46 13 31-0459	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	234.45	48.62
28 46 13 31-0460	EA	Explosion Proof Back Box (Killark JLX-21)	154.51	16.20
28 46 13 31-0461	EA	Explosion Proof Back Box Plugs (Killark CUP-2)	13.94	3.24
28 46 13 31-0462		**Weatherproof Heat Detector** *(28 46 13 31-0394)*		
28 46 13 31-0463	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	168.06	48.62
28 46 13 31-0464		**200 Degree F Heat Detector** *(28 46 13 31-0394)*		
28 46 13 31-0465	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	138.38	48.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0466		**Duct Smoke Sensor** *(28 46 13 31-0394)*		
28 46 13 31-0467	EA	Duct Sensor Housing (Simplex 4098-9755)	516.64	25.93
28 46 13 31-0468	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	694.37	58.34
28 46 13 31-0469	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	76.33	16.20
28 46 13 31-0470	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	180.58	48.62
28 46 13 31-0471		**Interior Horn** *(28 46 13 31-0394)*		
28 46 13 31-0472	EA	Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	166.77	48.62
28 46 13 31-0473	EA	White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	166.77	48.62
28 46 13 31-0474		**Interior Horn Strobe** *(28 46 13 31-0394)*		
28 46 13 31-0475	EA	75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	232.43	48.62
28 46 13 31-0476	EA	110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	232.43	48.62
28 46 13 31-0477	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	217.45	48.62
28 46 13 31-0478	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	217.45	48.62
28 46 13 31-0479	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	217.45	48.62
28 46 13 31-0480	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	217.45	48.62
28 46 13 31-0481	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	222.47	48.62
28 46 13 31-0482	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	222.47	48.62
28 46 13 31-0483	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	231.30	48.62
28 46 13 31-0484	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	227.23	48.62
28 46 13 31-0485	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	231.30	48.62
28 46 13 31-0486	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	227.23	48.62
28 46 13 31-0487	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	217.45	48.62
28 46 13 31-0488	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	217.45	48.62
28 46 13 31-0489	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	217.45	48.62
28 46 13 31-0490	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	217.45	48.62
28 46 13 31-0491		**Interior Strobe** *(28 46 13 31-0394)*		
28 46 13 31-0492	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	185.63	48.62
28 46 13 31-0493	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	185.63	48.62
28 46 13 31-0494	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	185.56	48.62
28 46 13 31-0495	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	185.63	48.62
28 46 13 31-0496	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	204.66	48.62
28 46 13 31-0497	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	204.66	48.62
28 46 13 31-0498	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	205.88	48.62
28 46 13 31-0499	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	209.20	48.62
28 46 13 31-0500	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	209.20	48.62
28 46 13 31-0501	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	209.20	48.62
28 46 13 31-0502	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	185.63	48.62
28 46 13 31-0503	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	185.63	48.62
28 46 13 31-0504	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	185.63	48.62
28 46 13 31-0505	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	185.63	48.62
28 46 13 31-0506		**Interior Speakers** *(28 46 13 31-0394)*		
28 46 13 31-0507	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	150.66	48.62
28 46 13 31-0508	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	150.66	48.62
28 46 13 31-0509	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	150.66	48.62

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28 46 13 31-0510		**Interior Speaker Strobe** *(28 46 13 31-0394)*		
28 46 13 31-0511	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	247.26	48.62
28 46 13 31-0512	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	247.26	48.62
28 46 13 31-0513		**Surge Suppressors** *(28 46 13 31-0394)*		
28 46 13 31-0514	EA	Overvoltage Suppressor (Simplex 2081-9044)	161.15	9.72
28 46 13 31-0515	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	102.84	9.72
28 46 13 31-0516	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	345.92	9.72
28 46 13 31-0517	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	117.86	9.72
28 46 13 31-0518	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	177.52	16.20
28 46 13 31-0519	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	120.84	9.72
28 46 13 31-0520	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	90.79	9.72
28 46 13 31-0521		**Boxes And Adapters** *(28 46 13 31-0394)*		
28 46 13 31-0522	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	78.72	16.20
28 46 13 31-0523	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	74.51	16.20
28 46 13 31-0524	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	66.26	16.20
28 46 13 31-0525	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	54.55	16.20
28 46 13 31-0526		**Accessories** *(28 46 13 31-0394)*		
28 46 13 31-0527	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	37.31	16.20
28 46 13 31-0528		**Siemens Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0529		**Conventional Control Panels** *(28 46 13 31-0528)*		
28 46 13 31-0530		**SXL Batteries And Power Supplies** *(28 46 13 31-0529)*		
28 46 13 31-0531	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	1,362.99	64.82
28 46 13 31-0532	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	1,096.98	64.82
28 46 13 31-0533		**Digital Fire Communicators** *(28 46 13 31-0529)*		
28 46 13 31-0534	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	1,061.91	64.82
28 46 13 31-0535		**Addressable Control Panels** *(28 46 13 31-0528)*		
28 46 13 31-0536		**Fireseeker Equipment** *(28 46 13 31-0535)*		
28 46 13 31-0537		**FS-250 System Panels** *(28 46 13 31-0536)*		
28 46 13 31-0538	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	3,250.56	648.28
28 46 13 31-0539	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	4,063.11	648.28
28 46 13 31-0540	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	2,415.68	518.62
28 46 13 31-0541	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	3,255.39	648.28
28 46 13 31-0542		**FS-250 Optional Modules** *(28 46 13 31-0536)*		
28 46 13 31-0543	EA	Main Board Module (Siemens FS-MB2)	1,372.67	64.82
28 46 13 31-0544	EA	Display Board Module (Siemens FS-DB2)	1,070.83	32.42
28 46 13 31-0545	EA	Device Loop Card (Siemens FS-DLC)	877.37	32.42
28 46 13 31-0546	EA	Releasing Module (Siemens FS-REL)	388.87	32.42
28 46 13 31-0547	EA	Remote LCD Annunciator (Siemens FS-RD2)	871.32	32.42
28 46 13 31-0548	EA	Relay Processor Card (Siemens FS-RU2)	756.45	32.42
28 46 13 31-0549	EA	Relay Expander Board (Siemens FS-RE8)	645.21	32.42
28 46 13 31-0550	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	871.32	32.42
28 46 13 31-0551	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	679.07	32.42
28 46 13 31-0552	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	617.40	32.42
28 46 13 31-0553	EA	Municipal Tie Module (Siemens FS-MT)	524.30	32.42
28 46 13 31-0554	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	476.69	
28 46 13 31-0555	EA	Programming Cable Kit (Siemens CBL-UD)	125.52	16.20
28 46 13 31-0556	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	225.64	32.42
28 46 13 31-0557	EA	Releasing Power Transformer (Siemens FS-RPT-A)	229.26	32.42
28 46 13 31-0558	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	259.84	25.93
28 46 13 31-0559	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	424.18	16.20
28 46 13 31-0560		**Firefinder Systems** *(28 46 13 31-0535)*		
28 46 13 31-0561		**XLS Basic Fire System Packages Without Back Box** *(28 46 13 31-0560)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0562	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	11,484.01	648.28
28 46 13 31-0563	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	10,103.16	648.28
28 46 13 31-0564	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	10,103.16	648.28
28 46 13 31-0565	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	16,966.30	648.28
28 46 13 31-0566	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	17,539.43	648.28
28 46 13 31-0567	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,964.11	648.28
28 46 13 31-0568	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,964.11	648.28
28 46 13 31-0569	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	11,579.53	648.28
28 46 13 31-0570		**Firefinder - XLS Basic System Equipment** *(28 46 13 31-0560)*		
28 46 13 31-0571	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	5,326.67	648.28
28 46 13 31-0572	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	8,894.87	648.28
28 46 13 31-0573	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	5,326.67	648.28
28 46 13 31-0574	EA	Two Slot Card Cage (Siemens CC-2)	664.56	32.42
28 46 13 31-0575	EA	Five Slot Card Cage (Siemens CC-5)	1,125.24	32.42
28 46 13 31-0576	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	1,608.90	32.42
28 46 13 31-0577	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	1,680.24	32.42
28 46 13 31-0578	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	529.13	32.42
28 46 13 31-0579	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	1,907.56	32.42
28 46 13 31-0580	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	1,079.30	32.42
28 46 13 31-0581	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12)	4,094.92	32.42
28 46 13 31-0582	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	6,939.67	648.28
28 46 13 31-0583	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	1,263.09	32.42
28 46 13 31-0584	EA	12 Amperes Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	3,405.70	32.42
28 46 13 31-0585	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	572.66	32.42
28 46 13 31-0586	EA	Conventional Detector Card (Siemens CDC-4)	1,217.14	32.42
28 46 13 31-0587	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	2,386.39	32.42
28 46 13 31-0588	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	8,586.91	32.42
28 46 13 31-0589		**Remote Lobby Enclosure** *(28 46 13 31-0560)*		
28 46 13 31-0590	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	1,573.67	129.66
28 46 13 31-0591	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	2,033.14	129.66
28 46 13 31-0592	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	249.82	32.42
28 46 13 31-0593	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	272.79	32.42
28 46 13 31-0594		**Battery Enclosures** *(28 46 13 31-0560)*		
28 46 13 31-0595	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT)	973.93	129.66
28 46 13 31-0596		**Graphic Annunciator Output Drivers And Inputs** *(28 46 13 31-0560)*		
28 46 13 31-0597	EA	Output Control Module (Siemens OCM-16)	779.43	32.42
28 46 13 31-0598	EA	Supervised Input Module (Siemens SIM-16)	779.43	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0599		**Remote LCD Displays** *(28 46 13 31-0560)*		
28 46 13 31-0600	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	1,806.28	97.24
28 46 13 31-0601	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	2,037.22	97.24
28 46 13 31-0602		**Voice Equipment** *(28 46 13 31-0560)*		
28 46 13 31-0603	EA	40 Watts Zone Amplifier Card (Siemens ZAC-40)	1,796.32	32.42
28 46 13 31-0604	EA	180 Watts Zone Amplifier Module (Siemens ZAM-180)	3,981.26	32.42
28 46 13 31-0605	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,676.62	32.42
28 46 13 31-0606		**MXL Series Equipment** *(28 46 13 31-0535)*		
28 46 13 31-0607		**MXL Optional Equipment** *(28 46 13 31-0606)*		
28 46 13 31-0608	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,933.71	64.82
28 46 13 31-0609	EA	CXL/MXL Interface Module (Siemens CMI-300)	4,998.15	32.42
28 46 13 31-0610	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	858.02	32.42
28 46 13 31-0611	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	1,035.77	32.42
28 46 13 31-0612	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	390.08	32.42
28 46 13 31-0613	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	241.36	32.42
28 46 13 31-0614	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	1,007.96	32.42
28 46 13 31-0615	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	363.25	48.62
28 46 13 31-0616	EA	Lexan Window For RCC (Siemens GENBOX-WD)	246.54	25.93
28 46 13 31-0617	EA	Input Driver Module (Siemens MID-16)	660.93	32.42
28 46 13 31-0618	EA	Programmable Output Driver Module (Siemens MOD-16)	660.93	32.42
28 46 13 31-0619	EA	MXL Output/Input Module (Siemens MOI-7)	1,057.53	32.42
28 46 13 31-0620	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	562.99	32.42
28 46 13 31-0621	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	885.83	32.42
28 46 13 31-0622	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	2,178.70	97.24
28 46 13 31-0623	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	2,178.70	97.24
28 46 13 31-0624	EA	Network Interface Module (Siemens NIM-1W)	1,577.47	32.42
28 46 13 31-0625	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	4,128.60	129.66
28 46 13 31-0626	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	462.63	32.42
28 46 13 31-0627	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	4,518.95	648.28
28 46 13 31-0628	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	556.49	64.82
28 46 13 31-0629	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	4,518.95	648.28
28 46 13 31-0630	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	571.00	64.82
28 46 13 31-0631	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	3,473.04	648.28
28 46 13 31-0632	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	5,200.92	648.28
28 46 13 31-0633	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	86.83	16.20
28 46 13 31-0634	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	6,417.24	64.82
28 46 13 31-0635	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	13,668.51	64.82
28 46 13 31-0636	EA	Releasing End Of Line Module (Siemens REL-EOL)	196.62	32.42
28 46 13 31-0637	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	4,092.04	64.82
28 46 13 31-0638	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	3,907.04	64.82
28 46 13 31-0639	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	2,074.25	129.66
28 46 13 31-0640		**Complete MXL And MXLV System Packages Without Enclosure** *(28 46 13 31-0606)*		
28 46 13 31-0641	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	14,984.50	648.28
28 46 13 31-0642	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	19,516.39	648.28
28 46 13 31-0643	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	40,681.35	648.28
28 46 13 31-0644		**MXL Basic System** *(28 46 13 31-0606)*		
28 46 13 31-0645	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	9,282.15	648.28
28 46 13 31-0646	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	11,989.43	648.28
28 46 13 31-0647	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	3,451.20	64.82
28 46 13 31-0648	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	4,324.20	64.82
28 46 13 31-0649	EA	6 Amperes Power Supply For MXL (Siemens MPS-6)	1,500.36	97.24
28 46 13 31-0650	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12)	111.01	16.20
28 46 13 31-0651		**MXL/MXLR System Expansion Accessories** *(28 46 13 31-0606)*		
28 46 13 31-0652	EA	MXL Remote Power Supply Module (Siemens PSR-1)	1,842.55	97.24
28 46 13 31-0653	EA	Style 4 Communication Module (Siemens NET-4)	377.99	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0654	EA	Style 7 Communication Module (Siemens NET-7)	688.74	32.42
28 46 13 31-0655	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	413.06	32.42
28 46 13 31-0656		**Peripheral Devices** *(28 46 13 31-0535)*		
28 46 13 31-0657		**Thermal Detectors** *(28 46 13 31-0656)*		
28 46 13 31-0658	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	156.49	48.62
28 46 13 31-0659	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	156.49	48.62
28 46 13 31-0660	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	156.49	48.62
28 46 13 31-0661	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	156.49	48.62
28 46 13 31-0662	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	247.17	48.62
28 46 13 31-0663	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	247.17	48.62
28 46 13 31-0664	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	613.55	48.62
28 46 13 31-0665		**Beam Smoke Detector** *(28 46 13 31-0656)*		
28 46 13 31-0666	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	2,909.70	48.62
28 46 13 31-0667	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	332.29	16.20
28 46 13 31-0668	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	335.92	16.20
28 46 13 31-0669	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	171.47	16.20
28 46 13 31-0670		**Bases For Detectors** *(28 46 13 31-0656)*		
28 46 13 31-0671	EA	Detector Base (Siemens DB-11)	50.56	16.20
28 46 13 31-0672	EA	Universal Base (Siemens DB-3S)	46.93	16.20
28 46 13 31-0673		**Manual Stations** *(28 46 13 31-0656)*		
28 46 13 31-0674	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	366.78	38.90
28 46 13 31-0675		**Addressable Devices** *(28 46 13 31-0535)*		
28 46 13 31-0676		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 46 13 31-0675)*		
28 46 13 31-0677	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	305.21	48.62
28 46 13 31-0678	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	262.89	48.62
28 46 13 31-0679	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	213.32	48.62
28 46 13 31-0680	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	141.98	48.62
28 46 13 31-0681	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	141.98	48.62
28 46 13 31-0682	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	319.95	32.42
28 46 13 31-0683	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	305.44	32.42
28 46 13 31-0684	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	241.36	32.42
28 46 13 31-0685	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	295.77	32.42
28 46 13 31-0686	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	295.77	32.42
28 46 13 31-0687	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	223.22	32.42
28 46 13 31-0688	EA	Line Isolator Module (Siemens HLIM)	230.47	32.42
28 46 13 31-0689	EA	Remote Convention Zone Module (Siemens HZM)	341.72	32.42
28 46 13 31-0690	EA	Intelligent Control Point Module (Siemens HCP)	433.61	32.42
28 46 13 31-0691	EA	Handheld Programming And Testing Unit (Siemens DPU)	1,918.69	
28 46 13 31-0692	EA	DPU Carrying Case (Siemens DPU-C1)	295.14	
28 46 13 31-0693	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	3,286.00	32.42
28 46 13 31-0694		**Air Duct Housings And Detectors** *(28 46 13 31-0675)*		
28 46 13 31-0695	EA	Air-Duct Housing (Siemens AD2-P)	350.53	25.93
28 46 13 31-0696	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	396.48	25.93
28 46 13 31-0697	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	317.53	32.42
28 46 13 31-0698	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	43.63	9.72
28 46 13 31-0699	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	53.74	12.97
28 46 13 31-0700	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	67.49	16.20
28 46 13 31-0701	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	78.80	19.45
28 46 13 31-0702		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 46 13 31-0675)*		
28 46 13 31-0703	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	318.51	48.62
28 46 13 31-0704	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	273.78	48.62
28 46 13 31-0705	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	352.37	48.62
28 46 13 31-0706	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	311.49	32.42
28 46 13 31-0707	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	344.13	32.42
28 46 13 31-0708	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	315.11	32.42
28 46 13 31-0709	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	348.97	32.42
28 46 13 31-0710	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	348.97	32.42
28 46 13 31-0711		**Detector Universal Bases** *(28 46 13 31-0675)*		
28 46 13 31-0712	EA	Detector Base With Relay (Siemens DB-X11RS)	147.29	16.20
28 46 13 31-0713	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	74.74	16.20
28 46 13 31-0714	EA	Locking Kit (Siemens LK-11)	13.94	
28 46 13 31-0715	EA	Detector Base With Relay (Siemens DB-X3RS)	147.29	16.20
28 46 13 31-0716	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	171.47	16.20
28 46 13 31-0717	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	71.11	16.20
28 46 13 31-0718	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	33.96	9.72
28 46 13 31-0719	EA	Seal For DB-11 (Siemens DB11-SEAL)	16.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0720	EA	Gasket For DB-11 (Siemens DB-SEAL)	18.44	
28 46 13 31-0721	EA	Detector Guard Housing (Siemens DGH-11)	216.21	16.20
28 46 13 31-0722	EA	Small Detector Base (Siemens DB-11E)	55.39	16.20
28 46 13 31-0723	EA	Audible Base For Series 3 (Siemens ADBI-60A)	193.24	16.20
28 46 13 31-0724	EA	Base Plug (Siemens DB-11-DP)	13.89	
28 46 13 31-0725		**Air Duct Smoke Detectors** *(28 46 13 31-0675)*		
28 46 13 31-0726	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	162.76	32.42
28 46 13 31-0727	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	847.14	32.42
28 46 13 31-0728		**Notification Devices** *(28 46 13 31-0535)*		
28 46 13 31-0729		**Synchronization Control Devices** *(28 46 13 31-0728)*		
28 46 13 31-0730	EA	Dual Synchronization Control Module (Siemens DSC)	241.36	32.42
28 46 13 31-0731		**Stand-Alone Strobes** *(28 46 13 31-0728)*		
28 46 13 31-0732	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	200.02	48.62
28 46 13 31-0733	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	218.16	48.62
28 46 13 31-0734	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	200.02	48.62
28 46 13 31-0735	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	218.16	48.62
28 46 13 31-0736	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	218.16	48.62
28 46 13 31-0737	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	200.02	48.62
28 46 13 31-0738	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	231.46	48.62
28 46 13 31-0739	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	221.78	48.62
28 46 13 31-0740	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	221.78	48.62
28 46 13 31-0741	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	237.50	48.62
28 46 13 31-0742	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	237.50	48.62
28 46 13 31-0743		**Horns And Strobes** *(28 46 13 31-0728)*		
28 46 13 31-0744	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	271.36	48.62
28 46 13 31-0745	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	287.08	48.62
28 46 13 31-0746	EA	Wall Mounted Horn (Siemens SE-R)	156.49	48.62
28 46 13 31-0747	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	271.36	48.62
28 46 13 31-0748	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	287.08	48.62
28 46 13 31-0749	EA	Ceiling Mounted Horn (Siemens SEC-R)	163.74	48.62
28 46 13 31-0750	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	271.36	48.62
28 46 13 31-0751	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	287.08	48.62
28 46 13 31-0752	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	156.49	48.62
28 46 13 31-0753	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	271.36	48.62
28 46 13 31-0754	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	287.08	48.62
28 46 13 31-0755	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	163.74	48.62
28 46 13 31-0756	EA	Mini Horn (Siemens MH-R)	129.89	48.62
28 46 13 31-0757	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	166.16	48.62
28 46 13 31-0758	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	255.64	48.62
28 46 13 31-0759	EA	Industrial Tri-Tone Horn (Siemens ASR)	732.04	48.62
28 46 13 31-0760	EA	Wall Mounted Horn (Siemens HS-R)	166.16	48.62
28 46 13 31-0761	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	256.85	48.62
28 46 13 31-0762	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	276.19	48.62
28 46 13 31-0763	EA	6" Motor Bell (Siemens MBDC-6)	190.34	48.62
28 46 13 31-0764	EA	10" Motor Bell (Siemens MBDC-10)	208.48	48.62
28 46 13 31-0765		**Mounting Accessories** *(28 46 13 31-0728)*		
28 46 13 31-0766	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	46.93	16.20
28 46 13 31-0767	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	46.93	16.20
28 46 13 31-0768	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	48.14	16.20
28 46 13 31-0769	EA	Red Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX)	77.16	16.20
28 46 13 31-0770	EA	White Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX-W)	61.44	16.20
28 46 13 31-0771	EA	Surface Mounted Speaker Back Box (Siemens SBBS-R)	65.07	16.20
28 46 13 31-0772	EA	Surface Mounted Speaker Back Box (Siemens SBL2S-R)	69.90	16.20
28 46 13 31-0773	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	55.39	16.20
28 46 13 31-0774	EA	Semi-Flush Plate (Siemens SFPS-R)	45.72	16.20
28 46 13 31-0775	EA	Square Surface Back Box (Siemens SHBBS-R)	55.39	16.20
28 46 13 31-0776	EA	Horn Adapter Plate (Siemens SHMPS-R)	52.98	16.20
28 46 13 31-0777	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	46.93	16.20
28 46 13 31-0778	EA	Wall Mounted Surface Mounted Speaker Back Box (Siemens SPSB-R)	61.44	16.20
28 46 13 31-0779	EA	Wall Mounted Surface Mounted Speaker/Strobe Back Box (Siemens SPSSB-R)	65.07	16.20
28 46 13 31-0780	EA	Weatherproof Speaker Back Box (Siemens WBBS-R)	62.65	16.20
28 46 13 31-0781	EA	Weatherproof Speaker Back Box With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	69.90	16.20
28 46 13 31-0782	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	69.90	16.20
28 46 13 31-0783	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	69.90	16.20
28 46 13 31-0784	EA	Weatherproof Horn Back Box (Siemens WPBBS-R)	65.07	16.20
28 46 13 31-0785	EA	Weatherproof Strobe Back Box (Siemens WPSBBS-R)	65.07	16.20
28 46 13 31-0786	EA	Surface Mounted Weatherproof Back Box Kit (Siemens WPS-KIT)	46.93	16.20
28 46 13 31-0787	EA	Z Series Back Box (Siemens ZBB-R)	52.98	16.20
28 46 13 31-0788		**Door Holders** *(28 46 13 31-0728)*		
28 46 13 31-0789	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	409.20	48.62
28 46 13 31-0790	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	409.20	48.62

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0791		**Voice Equipment** *(28 46 13 31-0535)*		
28 46 13 31-0792		**Voicecom** *(28 46 13 31-0791)*		
28 46 13 31-0793	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	6,272.22	648.28
28 46 13 31-0794	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	9,960.13	648.28
28 46 13 31-0795		**Johnson Controls Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0796	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	238.18	48.62
28 46 13 31-0797	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	235.56	48.62
28 46 13 31-0798	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	295.60	48.62
28 46 13 31-0799	EA	Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	294.76	48.62
28 46 13 31-0800	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	818.84	64.82
28 46 13 31-0801	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	224.80	48.62
28 46 13 31-0802	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	199.96	48.62
28 46 13 31-0803	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	194.69	48.62
28 46 13 31-0804	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	599.57	48.62
28 46 13 31-0805	EA	100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100)	2,933.14	97.24
28 46 13 31-0806	EA	AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E)	2,841.56	97.24
28 46 13 31-0807	EA	120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120)	2,890.97	97.24
28 46 13 31-0808	EA	AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E)	2,767.61	97.24
28 46 13 31-0809	EA	30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30)	1,342.43	97.24
28 46 13 31-0810	EA	AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E)	1,342.43	97.24
28 46 13 31-0811	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT)	1,351.40	32.42
28 46 13 31-0812	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT)	1,405.77	32.42
28 46 13 31-0813	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	1,031.60	32.42
28 46 13 31-0814	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	1,031.60	32.42
28 46 13 31-0815	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	726.61	32.42
28 46 13 31-0816	EA	Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	2,347.87	64.82
28 46 13 31-0817	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	1,031.60	32.42
28 46 13 31-0818	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	1,072.47	32.42
28 46 13 31-0819	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	924.36	32.42
28 46 13 31-0820	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	924.36	32.42
28 46 13 31-0821	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	152.61	29.17
28 46 13 31-0822	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	1,412.55	64.82
28 46 13 31-0823	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	3,087.28	64.82
28 46 13 31-0824	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	1,412.55	64.82
28 46 13 31-0825	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	3,087.28	64.82
28 46 13 31-0826	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	54.60	16.20
28 46 13 31-0827	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	150.01	16.20
28 46 13 31-0828	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	141.38	16.20
28 46 13 31-0829	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	58.28	16.20
28 46 13 31-0830	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	52.16	16.20
28 46 13 31-0831	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	1,028.13	64.82
28 46 13 31-0832	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	2,412.69	97.24
28 46 13 31-0833	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	2,551.34	97.24
28 46 13 31-0834	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	281.97	16.20
28 46 13 31-0835	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	189.56	16.20
28 46 13 31-0836	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025)	2,414.73	97.24
28 46 13 31-0837	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F)	2,227.84	97.24
28 46 13 31-0838	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF)	2,227.84	97.24
28 46 13 31-0839	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070)	2,616.62	97.24
28 46 13 31-0840	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	2,412.69	97.24
28 46 13 31-0841	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F)	2,412.69	97.24
28 46 13 31-0842	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF)	2,412.69	97.24
28 46 13 31-0843	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525)	2,888.02	97.24
28 46 13 31-0844	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F)	2,888.02	97.24
28 46 13 31-0845	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	2,888.02	97.24
28 46 13 31-0846	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	297.86	32.42
28 46 13 31-0847	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	459.49	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0848	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	40.66	12.97
28 46 13 31-0849	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	44.46	12.97
28 46 13 31-0850	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	110.00	19.45
28 46 13 31-0851	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	52.98	12.97
28 46 13 31-0852	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	65.41	16.20
28 46 13 31-0853	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	462.23	32.42
28 46 13 31-0854	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	767.42	64.82
28 46 13 31-0855	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	632.88	97.24
28 46 13 31-0856	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	881.81	97.24
28 46 13 31-0857	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	964.99	97.24
28 46 13 31-0858	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	514.48	12.97
28 46 13 31-0859	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	776.40	12.97
28 46 13 31-0860	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	853.44	12.97
28 46 13 31-0861	EA	6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,019.23	129.66
28 46 13 31-0862	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,341.92	129.66
28 46 13 31-0863	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	1,275.88	97.24
28 46 13 31-0864	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	235.76	16.20
28 46 13 31-0865	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	669.29	32.42
28 46 13 31-0866	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	350.32	48.62
28 46 13 31-0867	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	284.76	48.62
28 46 13 31-0868	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	299.68	48.62
28 46 13 31-0869	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	2,461.89	64.82
28 46 13 31-0870	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	3,008.96	64.82
28 46 13 31-0871	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	907.61	32.42
28 46 13 31-0872	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320) Note: Includes Door, Dress Panel And Back Box, Black	6,143.40	518.62
28 46 13 31-0873	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	3,035.52	64.82
28 46 13 31-0874	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	40,082.03	777.94
28 46 13 31-0875	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	43,779.05	777.94
28 46 13 31-0876	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	49,324.59	777.94
28 46 13 31-0877	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	43,779.05	777.94
28 46 13 31-0878	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	294.00	19.45
28 46 13 31-0879	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	330.97	19.45
28 46 13 31-0880	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	360.55	19.45
28 46 13 31-0881	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	674.80	19.45
28 46 13 31-0882	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	218.16	12.97
28 46 13 31-0883	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2D) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black.	339.93	29.17
28 46 13 31-0884	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2DR) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red.	361.13	29.17
28 46 13 31-0885	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Back Box, Black. (Johnson Controls, Inc. #JABS-4D)	664.64	29.17
28 46 13 31-0886	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	663.69	12.97
28 46 13 31-0887	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	894.75	12.97
28 46 13 31-0888	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	1,107.33	12.97
28 46 13 31-0889	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	310.06	32.42
28 46 13 31-0890	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	144.81	12.97
28 46 13 31-0891	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	6,129.41	518.62
28 46 13 31-0892	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640) Note: Includes CHS2-M2 Chassis	4,424.32	388.97
28 46 13 31-0893	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	7,964.62	518.62
28 46 13 31-0894	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	7,654.55	388.97
28 46 13 31-0895	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	5,510.66	388.97
28 46 13 31-0896	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	3,024.01	48.62
28 46 13 31-0897	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	3,054.86	48.62
28 46 13 31-0898	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	3,054.86	48.62
28 46 13 31-0899	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	3,615.06	64.82
28 46 13 31-0900	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2) Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).	3,063.25	64.82
28 46 13 31-0901	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	2,626.46	388.97
28 46 13 31-0902	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	2,175.26	64.82
28 46 13 31-0903	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	1,788.85	64.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0904	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320)	2,880.96	64.82
28 46 13 31-0905	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	891.96	16.20
28 46 13 31-0906	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24)	286.55	12.97
28 46 13 31-0907	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48)	353.10	12.97
28 46 13 31-0908	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	718.24	16.20
28 46 13 31-0909	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32)	1,319.00	16.20
28 46 13 31-0910	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320)	2,390.70	16.20
28 46 13 31-0911	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	186.56	16.20
28 46 13 31-0912	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ)	297.84	16.20
28 46 13 31-0913	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ)	146.25	16.20
28 46 13 31-0914	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ)	205.61	16.20
28 46 13 31-0915	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	161.84	16.20
28 46 13 31-0916	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ)	264.51	16.20
28 46 13 31-0917	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ)	301.78	16.20
28 46 13 31-0918	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ)	169.77	16.20
28 46 13 31-0919	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W)	2,522.49	48.62
28 46 13 31-0920	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F)	2,244.20	32.42
28 46 13 31-0921	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W)	2,074.14	32.42
28 46 13 31-0922	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	77.67	6.48
28 46 13 31-0923	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F)	1,814.27	32.42
28 46 13 31-0924	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W)	1,727.51	32.42
28 46 13 31-0925	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	4,411.46	64.82
28 46 13 31-0926	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	1,224.60	32.42
28 46 13 31-0927	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	334.61	12.97
28 46 13 31-0928	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	772.82	32.42
28 46 13 31-0929	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	772.82	32.42
28 46 13 31-0930	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	207.10	12.97
28 46 13 31-0931	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	54.77	6.48
28 46 13 31-0932	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	54.77	6.48
28 46 13 31-0933	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR)	208.17	48.62
28 46 13 31-0934	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH)	234.03	48.62
28 46 13 31-0935	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	276.58	55.10
28 46 13 31-0936	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	272.87	55.10
28 46 13 31-0937	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	1,847.20	129.66
28 46 13 31-0938	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	1,440.51	129.66
28 46 13 31-0939	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW)	208.17	48.62
28 46 13 31-0940	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH)	234.03	48.62
28 46 13 31-0941	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P)	208.17	48.62
28 46 13 31-0942	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	37.67	12.97
28 46 13 31-0943	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	42.64	6.48
28 46 13 31-0944	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	48.58	6.48
28 46 13 31-0945	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	42.69	6.48
28 46 13 31-0946	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR)	190.33	48.62
28 46 13 31-0947	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH)	234.03	48.62
28 46 13 31-0948	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	276.58	55.10
28 46 13 31-0949	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P)	234.03	48.62
28 46 13 31-0950	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	272.87	55.10
28 46 13 31-0951	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P)	208.17	48.62
28 46 13 31-0952	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW)	208.17	48.62
28 46 13 31-0953	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH)	234.03	48.62
28 46 13 31-0954	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P)	234.03	48.62
28 46 13 31-0955	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P)	208.17	48.62
28 46 13 31-0956	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	289.35	16.20
28 46 13 31-0957	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	1,277.10	64.82
28 46 13 31-0958	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	308.79	64.82
28 46 13 31-0959	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	131.91	32.42
28 46 13 31-0960	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	131.91	32.42
28 46 13 31-0961	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	243.95	32.42
28 46 13 31-0962	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	265.38	32.42
28 46 13 31-0963	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH)	265.38	32.42
28 46 13 31-0964	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	235.43	32.42
28 46 13 31-0965	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	321.24	32.42
28 46 13 31-0966	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	243.95	32.42
28 46 13 31-0967	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	131.91	32.42
28 46 13 31-0968	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	131.91	32.42
28 46 13 31-0969	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	265.38	32.42
28 46 13 31-0970	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	243.95	32.42
28 46 13 31-0971	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	243.95	32.42

28 46 13 31-0972 Honeywell Fire Alarm *(28 46 13 31)*

28 46 13 31-0973 Notifier Fire Alarm *(28 46 13 31-0972)*

28 46 13 31-0974 Fire Alarm Control Panel And Accessories *(28 46 13 31-0973)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0975	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	6,712.61	648.28
28 46 13 31-0976	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	5,518.44	648.28
28 46 13 31-0977	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	4,803.64	648.28
28 46 13 31-0978	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	6,698.56	648.28
28 46 13 31-0979	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	6,117.11	648.28
28 46 13 31-0980	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	5,964.94	648.28
28 46 13 31-0981	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	5,819.63	648.28
28 46 13 31-0982	EA	Two-Tone Sequential Module (Notifier 2TTM)	384.04	32.42
28 46 13 31-0983	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	96.49	6.48
28 46 13 31-0984	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	184.97	12.97
28 46 13 31-0985	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	280.89	19.45
28 46 13 31-0986	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	443.93	
28 46 13 31-0987	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	62.76	
28 46 13 31-0988	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	5,705.22	648.28
28 46 13 31-0989	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	5,761.28	648.28
28 46 13 31-0990	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	238.37	6.48
28 46 13 31-0991	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	73.61	6.48
28 46 13 31-0992	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	104.59	12.97
28 46 13 31-0993	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	103.36	16.20
28 46 13 31-0994	EA	IP Communicator (Notifier IPDACT-2)	774.19	32.42
28 46 13 31-0995	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	897.76	32.42
28 46 13 31-0996	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	211.27	32.42
28 46 13 31-0997	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	210.70	32.42
28 46 13 31-0998	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	54.19	12.97
28 46 13 31-0999	EA	Loop Control Module (Notifier LCM-320)	2,485.21	64.82
28 46 13 31-1000	EA	Loop Expander Module (Notifier LEM-320)	1,774.95	64.82
28 46 13 31-1001	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,884.22	64.82
28 46 13 31-1002	EA	7' DACT Phone Cord (Notifier MCBL-7)	26.36	
28 46 13 31-1003	EA	Back Box For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	222.92	16.20
28 46 13 31-1004	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	255.32	32.42
28 46 13 31-1005	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	255.32	32.42
28 46 13 31-1006	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	812.93	32.42
28 46 13 31-1007	EA	Universal Zone Coder (Notifier UZC-256)	1,129.92	32.42
28 46 13 31-1008	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	352.15	
28 46 13 31-1009	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	875.88	
28 46 13 31-1010	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	567.60	
28 46 13 31-1011	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	4,994.59	19.45
28 46 13 31-1012	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10)	57.71	16.20
28 46 13 31-1013	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	2,493.75	648.28
28 46 13 31-1014	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	3,656.62	648.28

28 46 13 31-1015 ONYX Cabinets *(28 46 13 31-0973)*

28 46 13 31-1016	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	654.06	16.20
28 46 13 31-1017	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	877.65	16.20
28 46 13 31-1018	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	1,084.29	16.20
28 46 13 31-1019	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	133.86	19.45
28 46 13 31-1020	EA	Chassis Bridge (Notifier CB-1)	121.38	16.20
28 46 13 31-1021	EA	Four Position Chassis (Notifier CHS-4)	202.33	16.20
28 46 13 31-1022	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	249.02	32.42
28 46 13 31-1023	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	118.42	19.45
28 46 13 31-1024	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	149.60	19.45
28 46 13 31-1025	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	464.44	32.42
28 46 13 31-1026	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	294.29	32.42
28 46 13 31-1027	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	587.39	48.62
28 46 13 31-1028	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	361.05	48.62
28 46 13 31-1029	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	877.38	64.82
28 46 13 31-1030	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	532.40	64.82
28 46 13 31-1031	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	1,064.33	81.04
28 46 13 31-1032	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	617.88	81.04
28 46 13 31-1033	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	318.46	16.20
28 46 13 31-1034	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	220.06	16.20
28 46 13 31-1035	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	220.06	16.20
28 46 13 31-1036	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	324.18	16.20
28 46 13 31-1037	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	247.52	16.20
28 46 13 31-1038	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	409.99	16.20
28 46 13 31-1039	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	281.27	16.20
28 46 13 31-1040	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	487.79	16.20
28 46 13 31-1041	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	403.12	16.20
28 46 13 31-1042	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	722.34	16.20
28 46 13 31-1043	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	451.18	16.20
28 46 13 31-1044	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	864.22	16.20
28 46 13 31-1045	EA	Black, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4)	420.65	32.42
28 46 13 31-1046	EA	Black, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4)	617.44	32.42
28 46 13 31-1047	EA	Black, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4)	722.71	32.42
28 46 13 31-1048	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	440.10	32.42
28 46 13 31-1049	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	660.92	32.42
28 46 13 31-1050	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	770.76	32.42
28 46 13 31-1051	EA	Red, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4R)	424.08	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1052	EA	Red, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4R)	617.44	32.42
28 46 13 31-1053	EA	Red, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4R)	731.86	32.42
28 46 13 31-1054	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	460.70	32.42
28 46 13 31-1055	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	660.92	32.42
28 46 13 31-1056	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	770.76	32.42
28 46 13 31-1057	EA	Back Box With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	3,448.40	162.07
28 46 13 31-1058	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB)	395.48	32.42
		Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 13 31-1059	EA	Black, One Tier Back Box Assembly (Notifier SBB-A4)	497.76	97.24
28 46 13 31-1060	EA	Black, Two Tier Back Box Assembly (Notifier SBB-B4)	707.10	129.66
28 46 13 31-1061	EA	Black, Three Tier Back Box Assembly (Notifier SBB-C4)	947.94	129.66
28 46 13 31-1062	EA	Black, Four Tier Back Box Assembly (Notifier SBB-D4)	1,151.92	162.07
28 46 13 31-1063	EA	Black, Mini, One Tier, Back Box (Notifier SBB-AA4)	251.32	32.42
28 46 13 31-1064	EA	Red, Mini, One Tier, Back Box (Notifier SBB-AA4R)	251.32	32.42
28 46 13 31-1065	EA	Red, One Tier Back Box Assembly (Notifier SBB-A4R)	303.95	32.42
28 46 13 31-1066	EA	Red, Two Tier Back Box Assembly (Notifier SBB-B4R)	419.51	32.42
28 46 13 31-1067	EA	Red, Three Tier Back Box Assembly (Notifier SBB-C4R)	610.58	32.42
28 46 13 31-1068	EA	Red, Four Tier Back Box Assembly (Notifier SBB-D4R)	720.42	32.42
28 46 13 31-1069	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	239.70	19.45
28 46 13 31-1070	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	239.70	19.45
28 46 13 31-1071	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	321.51	19.45
28 46 13 31-1072	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	255.14	19.45
28 46 13 31-1073	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	256.86	19.45
28 46 13 31-1074	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	254.00	19.45
28 46 13 31-1075	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	260.29	19.45
28 46 13 31-1076	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Back Box (Notifier VP-2B)	95.42	19.45
28 46 13 31-1077	EA	Wire Trays For Routing Wire In A CAB-4 Series Back Box (Notifier WC-2)	64.69	6.48

28 46 13 31-1078 NFS2-3030/640 Cabinet Mechanicals *(28 46 13 31-0973)*

28 46 13 31-1079	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	169.13	19.45
28 46 13 31-1080	EA	Blank Module Dress Plate (Notifier BM-1B)	138.80	19.45
28 46 13 31-1081	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	158.43	19.45
28 46 13 31-1082	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	312.74	16.20
28 46 13 31-1083	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	354.14	48.62
28 46 13 31-1084	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	176.27	19.45

28 46 13 31-1085 NFS-3030/640 Cabinet Mechanicals *(28 46 13 31-0973)*

28 46 13 31-1086	EA	Annunciator Dress Plate (Notifier ADP-4B)	160.21	19.45
28 46 13 31-1087	EA	Blank Module Dress Plate (Notifier BMP-1)	97.77	19.45
28 46 13 31-1088	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	224.49	32.42
28 46 13 31-1089	EA	Module Dress Plate (Notifier MP-1B)	162.00	19.45

28 46 13 31-1090 Battery Cabinets *(28 46 13 31-0973)*

28 46 13 31-1091	EA	Six Position Chassis (Notifier CHS-6)	140.28	32.42
28 46 13 31-1092	EA	Black, 24" x 14" x 7-3/4" Battery Back Box (Notifier NFS-LBB)	718.98	97.24

28 46 13 31-1093 Digital Voice *(28 46 13 31-0973)*

28 46 13 31-1094	EA	Chassis Used With BB-XP (Notifier 18439)	61.60	16.20
28 46 13 31-1095	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	2,304.58	48.62
28 46 13 31-1096	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	2,240.13	48.62
28 46 13 31-1097	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E)	1,131.70	48.62
28 46 13 31-1098	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	751.97	48.62
28 46 13 31-1099	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	1,019.88	64.82
28 46 13 31-1100	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	1,269.93	81.04
28 46 13 31-1101	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	980.94	32.42
28 46 13 31-1102	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	980.94	32.42
28 46 13 31-1103	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	2,094.64	32.42
28 46 13 31-1104	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Back Box (Notifier AFAWS-BX)	125.95	16.20
28 46 13 31-1105	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	210.91	16.20
28 46 13 31-1106	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	212.05	16.20
28 46 13 31-1107	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	205.19	16.20
28 46 13 31-1108	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	207.48	16.20
28 46 13 31-1109	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	420.29	16.20
28 46 13 31-1110	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	321.89	16.20
28 46 13 31-1111	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	131.96	
28 46 13 31-1112	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	587.86	32.42
28 46 13 31-1113	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	593.14	32.42
28 46 13 31-1114	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	124.24	16.20
28 46 13 31-1115	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	193.27	32.42
28 46 13 31-1116	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	621.74	48.62
28 46 13 31-1117	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	249.60	32.42
28 46 13 31-1118	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	249.60	32.42
28 46 13 31-1119	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	318.46	16.20
28 46 13 31-1120	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	315.03	16.20
28 46 13 31-1121	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	2,630.21	32.42
28 46 13 31-1122	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,980.11	32.42
28 46 13 31-1123	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,980.11	32.42
28 46 13 31-1124	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	2,715.84	32.42
28 46 13 31-1125	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	2,096.19	32.42
28 46 13 31-1126	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	2,821.10	32.42
28 46 13 31-1127	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,589.53	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1128	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,589.53	32.42
28 46 13 31-1129	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	1,872.75	32.42
28 46 13 31-1130	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	1,925.58	32.42
28 46 13 31-1131	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	2,008.00	32.42
28 46 13 31-1132	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	1,273.63	32.42
28 46 13 31-1133	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	1,307.44	32.42
28 46 13 31-1134	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	1,338.08	32.42
28 46 13 31-1135	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	1,382.46	32.42
28 46 13 31-1136	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,391.97	32.42
28 46 13 31-1137	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	1,433.18	32.42
28 46 13 31-1138	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	1,474.39	32.42
28 46 13 31-1139	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	1,548.36	32.42
28 46 13 31-1140	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	143.69	16.20
28 46 13 31-1141	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	151.29	19.45
28 46 13 31-1142	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	176.27	19.45
28 46 13 31-1143	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	310.07	19.45
28 46 13 31-1144	EA	WPS Power Amplifier (Notifier DPA3204P)	696.70	32.42
28 46 13 31-1145	EA	WPS Power Amplifier (Notifier DPA4001P)	587.86	32.42
28 46 13 31-1146	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	1,323.29	32.42
28 46 13 31-1147	EA	120 Volt AC,125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	990.45	32.42
28 46 13 31-1148	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,002.07	32.42
28 46 13 31-1149	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB)	1,667.76	32.42
28 46 13 31-1150	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA)	651.26	32.42
28 46 13 31-1151	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	371.45	32.42
28 46 13 31-1152	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	371.45	32.42
28 46 13 31-1153	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	371.45	32.42
28 46 13 31-1154	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V)	160.07	32.42
28 46 13 31-1155	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	448.38	32.42
28 46 13 31-1156	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	2,651.62	32.42
28 46 13 31-1157	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	745.14	64.82
28 46 13 31-1158	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	293.29	
28 46 13 31-1159	EA	Portable Fireman's Telephone Handset (Notifier FHS)	176.01	
28 46 13 31-1160	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	204.04	
28 46 13 31-1161	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	511.04	32.42
28 46 13 31-1162	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	511.04	32.42
28 46 13 31-1163	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	83.75	9.72
28 46 13 31-1164	EA	Paging Microphone Only (Notifier MIC-1)	298.52	32.42
28 46 13 31-1165	EA	Firefighter's Telephone Handset (Notifier TELH-1)	201.18	
28 46 13 31-1166	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	758.80	32.42
28 46 13 31-1167	EA	Remote Microphone Assembly For Mounting In A Stand-Alone Cabinet (Notifier RM-1SA)	758.80	32.42

28 46 13 31-1168 Amplifiers *(28 46 13 31-0973)*

28 46 13 31-1169	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	1,472.40	32.42
28 46 13 31-1170	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100)	3,229.64	32.42
28 46 13 31-1171	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120)	3,136.87	32.42
28 46 13 31-1172	EA	Audio Coupling Transformer (Notifier ACT-1)	212.89	32.42
28 46 13 31-1173	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	252.14	32.42
28 46 13 31-1174	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	252.14	32.42
28 46 13 31-1175	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	252.14	32.42
28 46 13 31-1176	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025)	1,793.50	32.42
28 46 13 31-1177	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070)	1,854.79	32.42
28 46 13 31-1178	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525)	1,926.64	32.42
28 46 13 31-1179	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA) Note: Requires NFC-BDA-BU	3,509.50	32.42
28 46 13 31-1180	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V) Note: Requires NFC-BDA-BU	704.09	32.42
28 46 13 31-1181	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V) Note: Requires NFC-BDA-BU	707.26	32.42

28 46 13 31-1182 FireVoice-25/50 Emergency Voice Evacuation Control Panels *(28 46 13 31-0973)*

28 46 13 31-1183	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	5,309.98	648.28
28 46 13 31-1184	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	3,734.22	648.28
28 46 13 31-1185	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	4,865.98	648.28
28 46 13 31-1186	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	6,345.98	648.28
28 46 13 31-1187	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	7,025.04	648.28

28 46 13 31-1188 System Printer *(28 46 13 31-0973)*

28 46 13 31-1189	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	3,208.23	32.42

28 46 13 31-1190 Batteries *(28 46 13 31-0973)*

28 46 13 31-1191	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	660.92	32.42
28 46 13 31-1192	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	674.95	32.42
28 46 13 31-1193	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	892.60	32.42
28 46 13 31-1194	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	514.39	32.42
28 46 13 31-1195	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	724.90	32.42
28 46 13 31-1196	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550)	723.12	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1197	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000)	1,159.84	32.42
28 46 13 31-1198		**Battery Back Boxes And Miscellaneous Mechanicals** *(28 46 13 31-0973)*		
28 46 13 31-1199	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Back Box (Notifier BB-17)	182.88	25.93
28 46 13 31-1200	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	305.87	25.93
28 46 13 31-1201	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Back Box (Notifier BB-26)	541.19	129.66
28 46 13 31-1202	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH)	235.49	64.82
28 46 13 31-1203	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1)	131.39	16.20
28 46 13 31-1204	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25)	355.07	25.93
28 46 13 31-1205	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	244.09	25.93
28 46 13 31-1206	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	270.97	25.93
28 46 13 31-1207	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	288.71	25.93
28 46 13 31-1208	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550)	428.30	25.93
28 46 13 31-1209	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26)	254.38	25.93
28 46 13 31-1210	EA	Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100) Note: Two kits are required for the BB-200	359.65	25.93
28 46 13 31-1211	EA	Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17) Note: Two kits are required for the BB-200	311.59	25.93
28 46 13 31-1212	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25) Note: Two kits are required for the BB-200	318.46	25.93
28 46 13 31-1213	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC) Note: Two kits are required for the BB-200	278.41	25.93
28 46 13 31-1214	EA	Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4) Note: Two kits are required for the BB-200	261.25	25.93
28 46 13 31-1215		**Power Supplies And Chargers** *(28 46 13 31-0973)*		
28 46 13 31-1216	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610)	1,553.30	48.62
28 46 13 31-1217	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	1,629.38	48.62
28 46 13 31-1218	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	2,257.36	32.42
28 46 13 31-1219	EA	6A Auxiliary Power Supply (Notifier APS-6R)	1,062.51	32.42
28 46 13 31-1220	EA	10 Amperes Battery Charger (Notifier BC10A)	1,188.76	48.62
28 46 13 31-1221	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	653.30	38.90
28 46 13 31-1222	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	661.31	38.90
28 46 13 31-1223	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200) Note: Holds four 55 ampere hour or four 100 ampere hour batteries	917.83	38.90
28 46 13 31-1224	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	917.83	38.90
28 46 13 31-1225	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	229.58	32.42
28 46 13 31-1226	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120)	1,736.43	32.42
28 46 13 31-1227	EA	Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	103.36	16.20
28 46 13 31-1228	EA	Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	162.28	16.20
28 46 13 31-1229	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	1,145.92	32.42
28 46 13 31-1230	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E)	925.68	97.24
28 46 13 31-1231	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	886.59	97.24
28 46 13 31-1232	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8)	1,022.89	97.24
28 46 13 31-1233	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	1,014.44	97.24
28 46 13 31-1234	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	980.60	48.62
28 46 13 31-1235	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	980.60	48.62
28 46 13 31-1236	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12)	1,214.12	48.62
28 46 13 31-1237	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	1,160.23	48.62
28 46 13 31-1238	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	1,232.08	97.24
28 46 13 31-1239	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	1,232.08	97.24
28 46 13 31-1240	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	867.57	97.24
28 46 13 31-1241	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	867.57	97.24
28 46 13 31-1242	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	935.19	97.24
28 46 13 31-1243	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	935.19	97.24
28 46 13 31-1244	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	754.50	97.24
28 46 13 31-1245	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	886.59	97.24
28 46 13 31-1246	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	189.86	16.20
28 46 13 31-1247	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A)	1,544.82	32.42
28 46 13 31-1248	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	227.29	32.42
28 46 13 31-1249	EA	240 Volt AC Addressable Power Supply (Notifier AMPS-24E)	1,774.18	32.42
28 46 13 31-1250	EA	6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R)	898.21	97.24
28 46 13 31-1251	EA	6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE)	935.19	97.24
28 46 13 31-1252	EA	25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75)	842.51	32.42
28 46 13 31-1253	EA	6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E)	866.51	97.24
28 46 13 31-1254	EA	6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R)	846.43	97.24
28 46 13 31-1255		**Network Control Annunciators** *(28 46 13 31-0973)*		
28 46 13 31-1256	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	3,138.08	97.24
28 46 13 31-1257	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	112.04	19.45
28 46 13 31-1258	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	78.15	19.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1259		**FIRSTVISION Firefighter's Display** *(28 46 13 31-0973)*		
28 46 13 31-1260	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	24,001.13	648.28
28 46 13 31-1261		**FlashScan Addressable Modules** *(28 46 13 31-0973)*		
28 46 13 31-1262	EA	Intelligent Addressable Control Module (Notifier FCM-1)	259.28	32.42
28 46 13 31-1263	EA	Addressable Dual Monitor Module (Notifier FDM-1)	291.39	32.42
28 46 13 31-1264	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	212.89	32.42
28 46 13 31-1265	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	187.92	32.42
28 46 13 31-1266	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	403.78	32.42
28 46 13 31-1267	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	192.11	32.42
28 46 13 31-1268	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	330.64	32.42
28 46 13 31-1269	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	209.32	32.42
28 46 13 31-1270		**Addressable Device Bases And Accessories** *(28 46 13 31-0973)*		
28 46 13 31-1271	EA	Intelligent Detector Base With Flange (Notifier B710LP)	65.50	16.20
28 46 13 31-1272	EA	Weatherproof Device Housing (Notifier DH400OE-1)	691.00	32.42
28 46 13 31-1273	EA	Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W)	61.60	16.20
28 46 13 31-1274	EA	Swift AV Base Ceiling (Notifier WAV-CRL)	328.75	16.20
28 46 13 31-1275	EA	Swift AV Base Wall (Notifier WAV-RL)	328.75	16.20
28 46 13 31-1276		**XP6/XP10 Transponder** *(28 46 13 31-0973)*		
28 46 13 31-1277	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	187.02	32.42
28 46 13 31-1278	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	999.64	32.42
28 46 13 31-1279	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	1,213.72	32.42
28 46 13 31-1280	EA	Six Relay Control Module (Notifier XP6-R)	960.39	32.42
28 46 13 31-1281	EA	Ten Input Monitor Module (Notifier XP10-M)	1,160.20	32.42
28 46 13 31-1282		**LCD Display Annunciators** *(28 46 13 31-0973)*		
28 46 13 31-1283	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	1,255.96	97.24
28 46 13 31-1284	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	1,782.24	97.24
28 46 13 31-1285	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	1,846.46	97.24
28 46 13 31-1286	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	938.95	32.42
28 46 13 31-1287	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	498.45	32.42
28 46 13 31-1288	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	1,215.83	32.42
28 46 13 31-1289	EA	White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W)	625.59	97.24
28 46 13 31-1290		**ONYX ACM And AEM Series LED Annunciators** *(28 46 13 31-0973)*		
28 46 13 31-1291	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	538.50	32.42
28 46 13 31-1292	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	1,329.68	32.42
28 46 13 31-1293	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	1,013.91	32.42
28 46 13 31-1294	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	1,329.68	32.42
28 46 13 31-1295	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	1,013.91	32.42
28 46 13 31-1296	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	1,013.91	32.42
28 46 13 31-1297	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	906.87	32.42
28 46 13 31-1298	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	1,013.91	32.42
28 46 13 31-1299	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	906.87	32.42
28 46 13 31-1300		**Graphic Annunciator - Lamp Driver Modules** *(28 46 13 31-0973)*		
28 46 13 31-1301	EA	Single Annunciator Flush Mounted Back Box (Notifier ABF-1B)	390.12	64.82
28 46 13 31-1302	EA	Single Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-1DB)	427.59	64.82
28 46 13 31-1303	EA	Two Annunciator Flush Mounted Back Box (Notifier ABF-2B)	488.54	81.04
28 46 13 31-1304	EA	Two Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-2DB)	536.71	81.04
28 46 13 31-1305	EA	Four Annunciator Flush Mounted Back Box (Notifier ABF-4B)	872.71	113.45
28 46 13 31-1306	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	155.75	19.45
28 46 13 31-1307	EA	Single Annunciator Surface Mounted Back Box (Notifier ABS-1B)	237.59	64.82
28 46 13 31-1308	EA	Single Annunciator Surface Mounted Back Box With Trim (Notifier ABS-1TB)	193.97	16.20
28 46 13 31-1309	EA	Two Annunciator Surface Mounted Back Box (Notifier ABS-2B)	306.28	64.82
28 46 13 31-1310	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Back Box (Notifier ABS-2D)	561.69	81.04
28 46 13 31-1311	EA	Red, Surface (Or Semi-Flush) Mounted Back Box For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	364.41	16.20
28 46 13 31-1312	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4D)	920.88	113.45
28 46 13 31-1313	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4DR)	615.44	19.45
28 46 13 31-1314	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Back Box (Notifier ABS-8RB)	234.17	25.93
28 46 13 31-1315	EA	Annunciator Key Switch (Notifier AKS-1B)	116.99	9.72
28 46 13 31-1316	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	140.64	32.42
28 46 13 31-1317	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	906.87	32.42
28 46 13 31-1318	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	204.62	6.48
28 46 13 31-1319	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	256.10	6.48
28 46 13 31-1320	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	744.52	32.42
28 46 13 31-1321	EA	Lamp Driver Module (Notifier LDM-R32)	997.30	32.42
28 46 13 31-1322	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	925.22	32.42
28 46 13 31-1323	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	262.97	6.48
28 46 13 31-1324	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	237.41	19.45
28 46 13 31-1325	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	141.17	19.45
28 46 13 31-1326	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	141.17	19.45
28 46 13 31-1327	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS1)	227.11	19.45
28 46 13 31-1328	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS2)	227.11	19.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1329	EA	Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED)	592.03	32.42
28 46 13 31-1330		**Network Gateways** *(28 46 13 31-0973)*		
28 46 13 31-1331	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	3,340.44	32.42
28 46 13 31-1332	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	2,486.66	32.42
28 46 13 31-1333	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,801.54	32.42
28 46 13 31-1334	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	3,086.84	32.42
28 46 13 31-1335	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	2,508.85	32.42
28 46 13 31-1336	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	2,441.23	32.42
28 46 13 31-1337	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,748.71	32.42
28 46 13 31-1338	EA	Modbus Gateway (Notifier MODBUS-GW)	2,738.14	32.42
28 46 13 31-1339	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	3,171.00	21.39
28 46 13 31-1340	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	4,713.71	21.39
28 46 13 31-1341	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	14,931.51	21.39
28 46 13 31-1342	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	749.37	48.62
28 46 13 31-1343	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,379.27	48.62
28 46 13 31-1344	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	2,016.57	48.62
28 46 13 31-1345	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,251.07	
28 46 13 31-1346	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	3,882.58	32.42
28 46 13 31-1347	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,882.58	32.42
28 46 13 31-1348	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	3,794.79	32.42
28 46 13 31-1349	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	4,418.22	32.42
28 46 13 31-1350	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	3,794.79	32.42
28 46 13 31-1351	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	3,882.58	32.42
28 46 13 31-1352	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	1,778.53	
28 46 13 31-1353	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	28,281.16	777.94
28 46 13 31-1354	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	7,034.68	
28 46 13 31-1355	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	7,034.68	
28 46 13 31-1356	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,163.74	32.42
28 46 13 31-1357	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	949.24	32.42
28 46 13 31-1358	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,127.81	32.42
28 46 13 31-1359	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	1,257.78	32.42
28 46 13 31-1360	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	2,611.35	32.42
28 46 13 31-1361	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	2,673.33	32.42
28 46 13 31-1362	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3)	2,964.22	
28 46 13 31-1363	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	1,613.50	21.39
28 46 13 31-1364	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG)	510.10	32.42
28 46 13 31-1365		**NOTI-FIRE-NET Network Components** *(28 46 13 31-0973)*		
28 46 13 31-1366	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	3,882.58	32.42
28 46 13 31-1367	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	1,718.59	32.42
28 46 13 31-1368	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	3,882.58	32.42
28 46 13 31-1369	EA	Wired Network Communications Module (Notifier NCM-W)	1,636.52	32.42
28 46 13 31-1370	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	140.37	16.20
28 46 13 31-1371		**FireWarden Addressable Fire Panels** *(28 46 13 31-0973)*		
28 46 13 31-1372	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	3,000.29	648.28
28 46 13 31-1373	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	3,633.61	648.28
28 46 13 31-1374	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	3,099.21	324.14
28 46 13 31-1375	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	3,099.21	324.14
28 46 13 31-1376	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	3,086.54	324.14
28 46 13 31-1377	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addessable Fire Alarm Control Panel (Notifier NFW-50C)	3,519.76	648.28
28 46 13 31-1378	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addessable Fire Alarm Control Panel (NFW-50R)	2,573.00	648.28
28 46 13 31-1379		**FireWarden Accessories** *(28 46 13 31-0973)*		
28 46 13 31-1380	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	232.25	48.62
28 46 13 31-1381	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	220.81	48.62
28 46 13 31-1382		**FireWarden Devices** *(28 46 13 31-0973)*		
28 46 13 31-1383	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	207.54	32.42
28 46 13 31-1384	EA	Intelligent Addressable Control Module (Notifier NC-100)	250.36	32.42
28 46 13 31-1385	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	239.65	32.42
28 46 13 31-1386	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	495.97	48.62
28 46 13 31-1387	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	600.44	48.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1388	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	239.65	32.42
28 46 13 31-1389	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	236.39	48.62
28 46 13 31-1390	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	236.39	48.62
28 46 13 31-1391	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	236.39	48.62
28 46 13 31-1392	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	329.16	48.62
28 46 13 31-1393	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	203.97	32.42
28 46 13 31-1394	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	183.46	32.42
28 46 13 31-1395	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	283.36	32.42
28 46 13 31-1396	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	248.88	48.62
28 46 13 31-1397	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	319.93	32.42
28 46 13 31-1398	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	1,185.17	32.42
28 46 13 31-1399		**SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories** *(28 46 13 31-0973)*		
28 46 13 31-1400	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,929.25	518.62
28 46 13 31-1401	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	2,159.39	518.62
28 46 13 31-1402	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E)	1,297.06	162.07
28 46 13 31-1403	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E)	1,465.07	162.07
28 46 13 31-1404	EA	Class A Converter Module (Notifier CAC-4)	445.82	32.42
28 46 13 31-1405	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	162.75	19.45
28 46 13 31-1406	EA	Remote Zone Annunciator (Notifier RZA-4X)	237.97	48.62
28 46 13 31-1407	EA	Red, Dress Panel (Notifier DP-51050)	196.22	19.45
28 46 13 31-1408	EA	Black, Dress Panel (Notifier DP-51050B)	198.51	19.45
28 46 13 31-1409		**SFP-5UD 5 Zone Control Panels And Accessories** *(28 46 13 31-0973)*		
28 46 13 31-1410	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	3,071.65	648.28
28 46 13 31-1411	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	4,519.49	486.21
28 46 13 31-1412	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	2,981.94	324.14
28 46 13 31-1413	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	2,981.94	324.14
28 46 13 31-1414	EA	Class A Converter Module (Notifier N-CAC-5X)	461.84	32.42
28 46 13 31-1415	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	176.20	19.45
28 46 13 31-1416	EA	Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC) Note: Includes internal dress panel with built-in annunciator module	3,890.14	486.21
28 46 13 31-1417	EA	240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE)	2,577.23	324.14
28 46 13 31-1418	EA	Red, 120 Volt AC, Five Zone Conventional Fire Control Panel Wth DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	2,555.04	324.14
28 46 13 31-1419		**SFP-10UD 10 Zone Control Panels And Accessories** *(28 46 13 31-0973)*		
28 46 13 31-1420	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	5,498.07	648.28
28 46 13 31-1421	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	4,111.27	486.21
28 46 13 31-1422	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	3,571.17	648.28
28 46 13 31-1423	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	4,759.55	648.28
28 46 13 31-1424	EA	Four Channel, Dual Line, Stand-Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	958.03	97.24
28 46 13 31-1425	EA	10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC) Note: Includes internal dress panel with built-in annunciator module	4,793.08	648.28
28 46 13 31-1426	EA	240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE)	3,576.32	486.21
28 46 13 31-1427	EA	Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR)	4,198.18	648.28
28 46 13 31-1428		**Smoke Detectors** *(28 46 13 31-0973)*		
28 46 13 31-1429	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	354.14	48.62
28 46 13 31-1430	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	614.60	48.62
28 46 13 31-1431	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	1,490.18	48.62
28 46 13 31-1432	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	208.22	48.62
28 46 13 31-1433	EA	Filters For Harsh Detector (Notifier RF-FTX)	25.37	
28 46 13 31-1434	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	212.45	32.42
28 46 13 31-1435	EA	Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI)	1,836.49	48.62
28 46 13 31-1436	EA	Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951)	216.52	48.62
28 46 13 31-1437	EA	Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV)	235.40	48.62
28 46 13 31-1438	EA	Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R)	225.96	48.62
28 46 13 31-1439	EA	Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV)	243.12	48.62
28 46 13 31-1440	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T)	227.10	48.62
28 46 13 31-1441	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV)	244.26	48.62
28 46 13 31-1442	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951)	186.48	48.62
28 46 13 31-1443	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H)	186.48	48.62
28 46 13 31-1444	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV)	202.50	48.62
28 46 13 31-1445	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV)	202.50	48.62
28 46 13 31-1446	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R)	186.48	48.62
28 46 13 31-1447	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV)	202.50	48.62
28 46 13 31-1448	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R)	483.96	48.62
28 46 13 31-1449	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV)	518.29	48.62
28 46 13 31-1450	EA	Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE) Note: Requires B210W base, ordered separately	482.82	48.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1451	EA	Wireless Photo Detector With Flashscan (Notifier FWD-200P) Note: Requires B210W base, ordered separately	445.06	48.62
28 46 13 31-1452	EA	Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135) Note: Requires B210W base, ordered separately	405.02	48.62
28 46 13 31-1453	EA	Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) Note: Requires B210W base, ordered separately	405.02	48.62
28 46 13 31-1454	EA	Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951)	297.47	48.62
28 46 13 31-1455	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	2,820.23	48.62
28 46 13 31-1456	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	3,454.32	48.62

28 46 13 31-1457 Pull Stations *(28 46 13 31-0973)*

28 46 13 31-1458	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	36.77	6.48
28 46 13 31-1459	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2)	93.40	16.20
28 46 13 31-1460	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2R)	80.02	16.20
28 46 13 31-1461	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	123.26	32.42
28 46 13 31-1462	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	135.96	32.42
28 46 13 31-1463	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	185.93	32.42
28 46 13 31-1464	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	123.26	32.42
28 46 13 31-1465	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	141.89	32.42
28 46 13 31-1466	EA	Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	141.89	32.42
28 46 13 31-1467	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	141.89	32.42
28 46 13 31-1468	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	134.27	32.42
28 46 13 31-1469	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	145.28	32.42
28 46 13 31-1470	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	940.02	38.90
28 46 13 31-1471	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	107.27	32.42
28 46 13 31-1472	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	112.19	32.42
28 46 13 31-1473	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	138.41	32.42
28 46 13 31-1474	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	336.47	38.90
28 46 13 31-1475	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	166.36	32.42
28 46 13 31-1476	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	140.33	32.42
28 46 13 31-1477	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	285.14	32.42
28 46 13 31-1478	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	68.87	6.48
28 46 13 31-1479	EA	Dual Action, Wireless Pull Station (Notifier NBG-12WL)	472.52	38.90

28 46 13 31-1480 Rate Compensation Heat Detectors *(28 46 13 31-0973)*

28 46 13 31-1481	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	254.23	48.62
28 46 13 31-1482	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	254.23	48.62

28 46 13 31-1483 FM Series Door Releases *(28 46 13 31-0973)*

28 46 13 31-1484	EA	1/2" Door Holder Spacer (Notifier FM900-50)	40.86	9.72
28 46 13 31-1485	EA	3/4" Door Holder Spacer (Notifier FM900-75)	40.86	9.72
28 46 13 31-1486	EA	1" Door Holder Spacer (Notifier FM900-100)	40.86	9.72
28 46 13 31-1487	EA	Door Holder Extension Kit (Notifier FM900)	43.53	9.72
28 46 13 31-1488	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	44.43	9.72
28 46 13 31-1489	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	286.12	48.62
28 46 13 31-1490	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	247.10	48.62
28 46 13 31-1491	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	247.10	48.62

28 46 13 31-1492 Multicriteria Fire Detector *(28 46 13 31-0973)*

28 46 13 31-1493	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	354.67	48.62
28 46 13 31-1494	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	353.53	48.62
28 46 13 31-1495	EA	Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951)	232.25	48.62
28 46 13 31-1496	EA	Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV)	240.26	48.62
28 46 13 31-1497	EA	Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951)	354.67	48.62

28 46 13 31-1498 Modules *(28 46 13 31-0973)*

28 46 13 31-1499	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	420.65	32.42
28 46 13 31-1500	EA	Addressable Firephone Control Module (Notifier FTM-1)	261.61	32.42
28 46 13 31-1501	EA	Wireless Monitor Module With Flashscan (Notifier FW-MM)	406.92	32.42
28 46 13 31-1502	EA	Wireless Relay Module With Flashscan (Notifier FW-RM)	469.85	32.42
28 46 13 31-1503	EA	Wireless Sync Module (Notifier W-SYNC)	448.38	32.42

28 46 13 31-1504 DH Series Door Releases *(28 46 13 31-0973)*

28 46 13 31-1505	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	220.52	48.62
28 46 13 31-1506	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	234.54	48.62
28 46 13 31-1507	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	247.70	48.62
28 46 13 31-1508	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	244.26	48.62
28 46 13 31-1509	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	255.70	48.62
28 46 13 31-1510	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	265.43	48.62
28 46 13 31-1511	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	220.52	48.62
28 46 13 31-1512	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	232.82	48.62
28 46 13 31-1513	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	247.70	48.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1514	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	279.16	48.62
28 46 13 31-1515	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	297.47	48.62
28 46 13 31-1516	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	318.63	48.62
28 46 13 31-1517	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	323.78	48.62
28 46 13 31-1518	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	345.52	48.62
28 46 13 31-1519	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	371.84	48.62
28 46 13 31-1520	EA	0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	25.50	6.48
28 46 13 31-1521	EA	0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	25.50	6.48
28 46 13 31-1522	EA	0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	27.84	6.48
28 46 13 31-1523	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	25.50	6.48
28 46 13 31-1524	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	25.50	6.48
28 46 13 31-1525	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	27.84	6.48
28 46 13 31-1526	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	26.70	6.48
28 46 13 31-1527	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	26.70	6.48
28 46 13 31-1528	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	27.84	6.48
28 46 13 31-1529	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	29.16	6.48
28 46 13 31-1530	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	29.16	6.48
28 46 13 31-1531	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	29.16	6.48
28 46 13 31-1532	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	30.36	6.48
28 46 13 31-1533	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	30.36	6.48
28 46 13 31-1534	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	30.36	6.48
28 46 13 31-1535	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	31.68	6.48
28 46 13 31-1536	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	31.68	6.48
28 46 13 31-1537	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	32.88	6.48
28 46 13 31-1538	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	32.88	6.48
28 46 13 31-1539	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	34.19	6.48
28 46 13 31-1540	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	37.91	6.48
28 46 13 31-1541	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	36.65	6.48
28 46 13 31-1542	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	35.40	6.48
28 46 13 31-1543	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	37.91	6.48
28 46 13 31-1544	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	35.64	9.72
28 46 13 31-1545	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	36.84	9.72
28 46 13 31-1546	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	40.67	9.72
28 46 13 31-1547	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	65.56	9.72
28 46 13 31-1548	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	69.22	9.72
28 46 13 31-1549	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	72.88	9.72
28 46 13 31-1550	EA	Surface Mounted Back Box, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	61.02	16.20
28 46 13 31-1551	EA	Surface Mounted Back Box, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	63.54	16.20
28 46 13 31-1552	EA	Surface Mounted Back Box, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	68.58	16.20
28 46 13 31-1553	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	353.54	

28 46 13 31-1554 First Command *(28 46 13 31-0973)*

28 46 13 31-1555	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	6,696.67	810.35
28 46 13 31-1556	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	6,760.06	810.35
28 46 13 31-1557	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,800.97	64.82
28 46 13 31-1558	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,848.52	64.82
28 46 13 31-1559	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	3,281.34	64.82
28 46 13 31-1560	EA	Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	3,387.00	64.82
28 46 13 31-1561	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	842.93	32.42
28 46 13 31-1562	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	842.93	32.42
28 46 13 31-1563	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	527.06	32.42
28 46 13 31-1564	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	687.19	32.42
28 46 13 31-1565	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	2,430.74	64.82
28 46 13 31-1566	EA	Local Operator Console (Notifier NFC-LOC) Note: Includes built-in microphone, message and zone control switches, black.	2,380.02	64.82
28 46 13 31-1567	EA	Black, Remote Microphone (Notifier NFC-RM)	689.23	
28 46 13 31-1568	EA	Remote Page Unit (Notifier NFC-RPU) Note: Includes built-in microphone, message control switches, black.	2,015.47	64.82
28 46 13 31-1569	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	400.06	32.42
28 46 13 31-1570	EA	Firefighters Phone Jack (Notifier N-FPJ)	182.49	9.72
28 46 13 31-1571	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	51.03	9.72
28 46 13 31-1572	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	163.90	19.45

28 46 13 31-1573 LED Displays *(28 46 13 31-0973)*

28 46 13 31-1574	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,886.77	38.90
28 46 13 31-1575	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,651.30	51.87
28 46 13 31-1576	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,681.95	51.87
28 46 13 31-1577	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	2,576.28	51.87
28 46 13 31-1578	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	3,601.23	51.87
28 46 13 31-1579	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,734.78	51.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1580		**Control Relays** *(28 46 13 31-0973)*		
28 46 13 31-1581	EA	Single SPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-101/CR)	81.28	16.20
28 46 13 31-1582	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	61.94	16.20
28 46 13 31-1583	EA	Four Position SPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-104/CR)	222.14	32.42
28 46 13 31-1584	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	124.24	16.20
28 46 13 31-1585	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	147.98	16.20
28 46 13 31-1586	EA	24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	228.43	32.42
28 46 13 31-1587	EA	120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	228.43	32.42
28 46 13 31-1588	EA	Single DPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-201/CR)	117.45	32.42
28 46 13 31-1589	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	66.97	16.20
28 46 13 31-1590	EA	Four Position DPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-204/CR)	242.74	32.42
28 46 13 31-1591	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	85.64	32.42
28 46 13 31-1592	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	85.64	32.42
28 46 13 31-1593	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	85.64	32.42
28 46 13 31-1594		**Gamewell-FCI Fire Control Instruments** *(28 46 13 31-0973)*		
28 46 13 31-1595		**7100 Series And NetSOLO®** *(28 46 13 31-1594)*		
28 46 13 31-1596		**7100 Compact Analog Addressable Fire Alarm Control Panels** *(28 46 13 31-1595)*		
28 46 13 31-1597	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	1,190.99	388.97
28 46 13 31-1598	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	5,125.57	648.28
28 46 13 31-1599	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	5,606.33	648.28
28 46 13 31-1600	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	5,125.57	648.28
28 46 13 31-1601	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	5,606.33	648.28
28 46 13 31-1602	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	1,610.87	
28 46 13 31-1603	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,932.50	
28 46 13 31-1604	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,932.50	64.82
28 46 13 31-1605		**NetSOLO® Intelligent Network** *(28 46 13 31-1595)*		
28 46 13 31-1606	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	2,144.10	64.82
28 46 13 31-1607	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	1,702.28	64.82
28 46 13 31-1608		**Components And Accessories** *(28 46 13 31-1595)*		
28 46 13 31-1609	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	1,055.37	48.62
28 46 13 31-1610	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	800.01	64.82
28 46 13 31-1611	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	1,472.06	64.82
28 46 13 31-1612	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	590.10	64.82
28 46 13 31-1613	EA	Enclosure Box (Gamewell-FCI EN-7100)	474.31	129.66
28 46 13 31-1614	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,540.95	32.42
28 46 13 31-1615		**E3 Series® Basic System** *(28 46 13 31-1594)*		
28 46 13 31-1616	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	1,410.88	64.82
28 46 13 31-1617	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	1,211.82	64.82
28 46 13 31-1618	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,410.88	64.82
28 46 13 31-1619	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	1,211.82	64.82
28 46 13 31-1620	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	898.28	64.82
28 46 13 31-1621	EA	Power Supply Module (Gamewell-FCI PM-9)	1,177.94	64.82
28 46 13 31-1622	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	990.92	64.82
28 46 13 31-1623	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	982.75	32.42
28 46 13 31-1624	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	560.97	64.82
28 46 13 31-1625	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,512.10	64.82
28 46 13 31-1626	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	1,266.01	64.82
28 46 13 31-1627	EA	Local Operating Console (Gamewell-FCI 1100-0455)	844.64	48.62
28 46 13 31-1628	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	2,731.54	48.62
28 46 13 31-1629	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	1,080.31	64.82
28 46 13 31-1630	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	3,303.30	64.82
28 46 13 31-1631	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	753.85	129.66
28 46 13 31-1632	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	552.20	129.66
28 46 13 31-1633	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	120.83	32.42
28 46 13 31-1634	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	755.89	64.82
28 46 13 31-1635	EA	LED Driver module (Gamewell-FCI ANU-48)	755.89	64.82
28 46 13 31-1636	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	2,289.77	48.62
28 46 13 31-1637		**Addressable Devices, Module, Pulls And Accessories** *(28 46 13 31-1594)*		
28 46 13 31-1638		**Velociti® Series Sensors And Bases** *(28 46 13 31-1637)*		
28 46 13 31-1639	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	236.05	48.62
28 46 13 31-1640	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	241.13	48.62
28 46 13 31-1641	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	256.36	48.62
28 46 13 31-1642	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	195.42	48.62
28 46 13 31-1643	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	203.89	48.62
28 46 13 31-1644	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	195.42	48.62
28 46 13 31-1645	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	291.91	48.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1646	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	647.40	48.62
28 46 13 31-1647	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	542.95	81.04
28 46 13 31-1648	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	610.66	81.04
28 46 13 31-1649	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	292.42	
28 46 13 31-1650	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	59.50	16.20
28 46 13 31-1651	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	698.19	48.62
28 46 13 31-1652	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	138.22	16.20
28 46 13 31-1653	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	2,479.77	97.24
28 46 13 31-1654		**Velociti® Series Modules And Pull Station** *(28 46 13 31-1637)*		
28 46 13 31-1655	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F)	172.31	32.42
28 46 13 31-1656	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	279.81	32.42
28 46 13 31-1657	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F)	189.24	32.42
28 46 13 31-1658	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	267.96	32.42
28 46 13 31-1659	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	223.10	32.42
28 46 13 31-1660	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	231.56	32.42
28 46 13 31-1661	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	321.79	64.82
28 46 13 31-1662	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	239.18	32.42
28 46 13 31-1663	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	38.36	6.48
28 46 13 31-1664		**Components And Accessories** *(28 46 13 31-1637)*		
28 46 13 31-1665	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	94.19	25.93
28 46 13 31-1666	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	47.09	12.97
28 46 13 31-1667	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	50.48	12.97
28 46 13 31-1668	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	60.35	16.20
28 46 13 31-1669	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	98.15	19.45
28 46 13 31-1670	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	146.67	25.93
28 46 13 31-1671		**Fixed And Rate of Rise Heat Detectors** *(28 46 13 31-1637)*		
28 46 13 31-1672	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	126.02	48.62
28 46 13 31-1673	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	126.02	48.62
28 46 13 31-1674	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	124.36	48.62
28 46 13 31-1675	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	124.36	48.62
28 46 13 31-1676		**NAC Expander/Power Supply** *(28 46 13 31-1637)*		
28 46 13 31-1677	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	2,256.07	518.62
28 46 13 31-1678	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,934.44	518.62
28 46 13 31-1679	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	2,095.26	518.62
28 46 13 31-1680		**Batteries And Accessories** *(28 46 13 31-1594)*		
28 46 13 31-1681	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	355.98	32.42
28 46 13 31-1682	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	907.84	32.42
28 46 13 31-1683	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	186.70	32.42
28 46 13 31-1684	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	436.06	64.82
28 46 13 31-1685	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	436.06	64.82
28 46 13 31-1686	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	386.97	64.82
28 46 13 31-1687		**Electronic Door Holders** *(28 46 13 31-1594)* Note: Rixson products.		
28 46 13 31-1688	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	62.74	6.48
28 46 13 31-1689	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	503.51	48.62
28 46 13 31-1690	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	688.03	48.62
28 46 13 31-1691	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	319.68	48.62
28 46 13 31-1692	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	304.44	48.62
28 46 13 31-1693	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	319.68	48.62
28 46 13 31-1694	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	319.00	48.62
28 46 13 31-1695		**Fire Alarm Programming** *(28 46 13 31-1594)* Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1696	EA	Program And Test Up To 5 Total Fire Alarm Devices	500.00	
28 46 13 31-1697	EA	Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
28 46 13 31-1698	EA	Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	
28 46 13 31-1699		**Fire-Lite Fire Alarm** *(28 46 13 31-0972)*		
28 46 13 31-1700		**Intelligent Addressable Fire Alarm Control Panel** *(28 46 13 31-1699)*		
28 46 13 31-1701	EA	50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X)	1,357.27	259.32
28 46 13 31-1702	EA	198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X)	1,744.70	291.72
28 46 13 31-1703	EA	954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X)	2,596.29	324.14
28 46 13 31-1704	EA	Loop Expander Module (Fire-Lite SLC-3LS)	768.06	48.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1705	EA	Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F)	215.38	32.42
28 46 13 31-1706	EA	Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F)	303.63	32.42
28 46 13 31-1707	EA	Battery Back Box (Fire-Lite BB-26)	186.54	19.45
28 46 13 31-1708	EA	Battery Box (Fire-Lite BB-55F)	343.18	19.45
28 46 13 31-1709	EA	Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6)	94.75	12.97
28 46 13 31-1710	EA	Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75)	804.07	32.42
28 46 13 31-1711	EA	Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F)	1,713.61	64.82
28 46 13 31-1712	EA	6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6)	932.07	32.42
28 46 13 31-1713	EA	10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10)	963.02	32.42
28 46 13 31-1714	EA	Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80)	378.25	32.42
28 46 13 31-1715	EA	Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O)	462.47	32.42
28 46 13 31-1716	EA	Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED)	404.71	32.42
28 46 13 31-1717	EA	Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED)	404.71	32.42
28 46 13 31-1718	EA	Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY)	325.83	32.42
28 46 13 31-1719	EA	Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG)	318.70	32.42
28 46 13 31-1720	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365(A))	166.78	48.62
28 46 13 31-1721	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T(A))	186.26	48.62
28 46 13 31-1722	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R(A))	191.84	48.62
28 46 13 31-1723	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO)	339.13	48.62
28 46 13 31-1724	EA	Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365(A))	159.82	48.62
28 46 13 31-1725	EA	Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R(A))	179.22	48.62
28 46 13 31-1726	EA	Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT(A))	210.85	48.62
28 46 13 31-1727	EA	Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL)	653.34	48.62
28 46 13 31-1728	EA	Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355(A))	245.29	48.62
28 46 13 31-1729	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355(A))	166.78	48.62
28 46 13 31-1730	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T(A))	213.80	48.62
28 46 13 31-1731	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R(A))	238.71	48.62
28 46 13 31-1732	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO)	177.21	48.62
28 46 13 31-1733	EA	Fast-Response, Low-Profile Heat Detector (Fire-Lite H355(A))	213.15	48.62
28 46 13 31-1734	EA	Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R(A))	206.47	48.62
28 46 13 31-1735	EA	Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT(A))	240.91	48.62
28 46 13 31-1736	EA	Low-Profile, Intelligent, "Adapt" Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355(A))	235.42	48.62
28 46 13 31-1737	EA	Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH)	149.76	32.42
28 46 13 31-1738	EA	Addressable Sounder Base (Fire-Lite B200SR(A)-WH)	172.37	32.42
28 46 13 31-1739	EA	Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH)	196.74	32.42
28 46 13 31-1740	EA	Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH)	200.84	32.42
28 46 13 31-1741	EA	Intelligent Beam Smoke Detector (Fire-Lite BEAM355)	1,780.67	48.62
28 46 13 31-1742	EA	Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S)	2,037.30	48.62
28 46 13 31-1743	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL(A))	290.51	32.42
28 46 13 31-1744	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR(A))	177.73	32.42
28 46 13 31-1745	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW)	271.49	32.42
28 46 13 31-1746	EA	Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300)	115.60	19.45
28 46 13 31-1747	EA	Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6)	592.42	32.42
28 46 13 31-1748	EA	Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300)	174.59	32.42
28 46 13 31-1749	EA	Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6)	495.30	32.42
28 46 13 31-1750	EA	Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300)	94.60	16.20
28 46 13 31-1751	EA	Six-Fault Isolator Module (Fire-Lite ISO-6)	444.05	32.42
28 46 13 31-1752	EA	Dual Monitor Module (Fire-Lite MDF-300)	211.76	32.42
28 46 13 31-1753	EA	Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300)	94.34	16.20
28 46 13 31-1754	EA	Ten-Input Monitor Module (Fire-Lite MMF-300-10)	640.96	32.42
28 46 13 31-1755	EA	Miniature Version Of MMF-300 (Fire-Lite MMF-301)	125.57	25.93
28 46 13 31-1756	EA	Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302)	178.39	32.42
28 46 13 31-1757	EA	Six-Zone Interface Module (Fire-Lite MMF-302-6)	633.96	32.42
28 46 13 31-1758	EA	Mount For Modules (Fire-Lite SMB500)	19.03	3.24
28 46 13 31-1759		**Addressable Control Panels** *(28 46 13 31-1699)*		
28 46 13 31-1760	EA	25 Point Intelligent Control (Fire Lite MS-25)	2,211.70	648.28
28 46 13 31-1761	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	2,434.35	648.28
28 46 13 31-1762	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	3,425.81	648.28
28 46 13 31-1763	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	5,050.50	648.28
28 46 13 31-1764	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	4,950.30	648.28
28 46 13 31-1765	EA	IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G)	694.42	
28 46 13 31-1766		**Silent Knight Fire Alarm** *(28 46 13 31-0972)*		
28 46 13 31-1767		**Addressable Fire Alarm Control Panel** *(28 46 13 31-1766)*		
28 46 13 31-1768	EA	Addressable Fire Alarm Control Panel (Silent Knight 6820)	2,674.16	324.14
28 46 13 31-1769		**Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System** *(28 46 13 31-1766)*		
28 46 13 31-1770	EA	Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS)	5,160.58	324.14
28 46 13 31-1771		**Compatable EVS Equipment** *(28 46 13 31-1766)*		
28 46 13 31-1772	EA	50 Watt Amplifier (Silent Knight EVS-50W)	942.06	64.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1773	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,646.02	64.82
28 46 13 31-1774	EA	50/100 Watt Amplifier (Silent Knight EVS-100W)	2,044.27	64.82
28 46 13 31-1775	EA	External Backup Amplifier (Silent Knight EVS-100WBU)	723.23	64.82
28 46 13 31-1776	EA	50 Watt Internal Amplifier (Silent Knight EVS-INT50W)	680.51	64.82
28 46 13 31-1777	EA	4 Additional Audio Circuits (Silent Knight EVS-CE4)	246.85	16.20
28 46 13 31-1778	EA	Remote Voice Module (Silent Knight EVS-RVM)	1,095.25	25.93
28 46 13 31-1779	EA	24 Switch Expander (Silent Knight EVS-SW24)	437.02	32.42
28 46 13 31-1780	EA	Network Voice Control Module (Silent Knight EVS-VCM)	1,310.30	25.93
28 46 13 31-1781	EA	Local Operator Consoule (Silent Knight EVS-LOC)	1,767.64	64.82

28 46 13 31-1782 Compatable SBUS Devices *(28 46 13 31-1766)*

28 46 13 31-1783	EA	4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860)	1,061.86	64.82
28 46 13 31-1784	EA	4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860)	480.71	64.82
28 46 13 31-1785	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R)	570.98	64.82
28 46 13 31-1786	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855)	378.39	64.82
28 46 13 31-1787	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3)	484.10	64.82
28 46 13 31-1788	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4)	511.25	64.82
28 46 13 31-1789	EA	LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880)	399.13	48.62
28 46 13 31-1790	EA	Relay Interface. Provides 10 Form C Relays (Silent Knight 5883)	242.45	32.42
28 46 13 31-1791	EA	Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824)	326.88	32.42

28 46 13 31-1792 SK Compatible Addressable Device *(28 46 13 31-1766)*

28 46 13 31-1793	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE)	174.41	48.62
28 46 13 31-1794	EA	Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM)	970.17	48.62
28 46 13 31-1795	EA	Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T)	1,099.20	48.62
28 46 13 31-1796	EA	Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK)	1,239.12	48.62
28 46 13 31-1797	EA	Supervised Control Module (Silent Knight SK-CONTROL)	172.71	48.62
28 46 13 31-1798	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	510.13	64.82
28 46 13 31-1799	EA	Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT)	277.37	48.62
28 46 13 31-1800	EA	Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO)	250.77	48.62
28 46 13 31-1801	EA	Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W)	279.51	48.62
28 46 13 31-1802	EA	Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT)	159.00	48.62
28 46 13 31-1803	EA	Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W)	163.37	48.62
28 46 13 31-1804	EA	Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR)	160.72	48.62
28 46 13 31-1805	EA	Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W)	163.37	48.62
28 46 13 31-1806	EA	Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT)	159.00	48.62
28 46 13 31-1807	EA	Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W)	163.37	48.62
28 46 13 31-1808	EA	Fault Isolator Module (Silent Knight SK-ISO)	159.00	48.62
28 46 13 31-1809	EA	Mini Monitor Module (Silent Knight SK-MINIMON)	146.98	48.62
28 46 13 31-1810	EA	Monitor Module (Silent Knight SK-MONITOR)	155.87	48.62
28 46 13 31-1811	EA	Dual Input Monitor Module (Silent Knight SK-MONITOR-2)	200.18	48.62
28 46 13 31-1812	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	574.64	64.82
28 46 13 31-1813	EA	Photoelectric Smoke Detector (Silent Knight SK-PHOTO)	162.43	48.62
28 46 13 31-1814	EA	Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W)	171.43	48.62
28 46 13 31-1815	EA	Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R)	164.99	48.62
28 46 13 31-1816	EA	Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W)	174.12	48.62
28 46 13 31-1817	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T)	169.29	48.62
28 46 13 31-1818	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W)	178.40	48.62
28 46 13 31-1819	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W)	189.14	48.62
28 46 13 31-1820	EA	Addressable Single Action Pull Station (Silent Knight SK-PULL-SA)	151.57	32.42
28 46 13 31-1821	EA	Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA)	151.57	32.42
28 46 13 31-1822	EA	Addressable Relay Module (Silent Knight SK-RELAY)	140.29	32.42
28 46 13 31-1823	EA	Addressable Six Relay Control Module (Silent Knight SK-RELAY-6)	496.89	64.82
28 46 13 31-1824	EA	Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2)	311.67	48.62
28 46 13 31-1825	EA	Addressable Zone Interface Module (Silent Knight SK-ZONE)	186.45	48.62
28 46 13 31-1826	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	597.81	64.82

28 46 13 31-1827 SK Bases *(28 46 13 31-1766)*

28 46 13 31-1828	EA	6" Mounting Base (Silent Knight B210LP)	46.57	16.20
28 46 13 31-1829	EA	4" Flangeless Mounting Base (Silent Knight B501)	49.43	16.20
28 46 13 31-1830	EA	Intelligent Sounder Base (Silent Knight B200S)	94.16	16.20
28 46 13 31-1831	EA	Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF)	130.21	16.20
28 46 13 31-1832	EA	Relay Base (Silent Knight B224RB)	77.72	16.20
28 46 13 31-1833	EA	Isolator Base (Silent Knight B224BI)	76.84	16.20

28 46 13 31-1834 SD Compatible Addressable Device *(28 46 13 31-1766)*

28 46 13 31-1835	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	44.76	16.20
28 46 13 31-1836	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	59.84	16.20
28 46 13 31-1837	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	160.69	16.20
28 46 13 31-1838	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	166.34	16.20
28 46 13 31-1839	EA	Addressable Input Module (Silent Knight SD500-AIM)	270.06	48.62
28 46 13 31-1840	EA	Addressable Notification Module (Silent Knight SD500-ANM)	258.51	48.62
28 46 13 31-1841	EA	Addressable Relay Module (Silent Knight SD500-ARM)	278.48	48.62

28 46 13 31-1842 System Expanders *(28 46 13 31-1766)*

28 46 13 31-1843	EA	SLC Expander For IDP Or SK Devices (Silent Knight 6815)	569.38	64.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1844	EA	SLC Expander For SD Devices (Silent Knight 5815XL)	502.76	64.82
28 46 13 31-1845	EA	6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000)	885.32	32.42
28 46 13 31-1846	EA	6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496)	626.95	97.24
28 46 13 31-1847		**Miscellaneous Accessories** *(28 46 13 31-1766)*		
28 46 13 31-1848	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	152.30	32.42
28 46 13 31-1849		**Silent Knight Fire Alarm** *(28 46 13 31-0972)*		
28 46 13 31-1850	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	5,575.82	324.14
28 46 13 31-1851	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	2,305.74	194.48
28 46 13 31-1852	EA	Voice Evacuation System (Silent Knight SKE-450)	2,768.29	129.66
28 46 13 31-1853	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	2,293.61	129.66
28 46 13 31-1854	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	2,437.16	194.48
28 46 13 31-1855	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,742.08	129.66
28 46 13 31-1856	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,327.45	129.66
28 46 13 31-1857	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	1,142.18	129.66
28 46 13 31-1858	EA	Ionization Smoke Detector (Silent Knight SK-ION)	216.71	48.62
28 46 13 31-1859	EA	Sounder Base (Silent Knight B200SR)	123.53	16.20
28 46 13 31-1860	EA	Intelligent Sounder Base (Silent Knight B200S)	130.93	16.20
28 46 13 31-1861	EA	Isolator Base (Silent Knight B224BI)	102.62	16.20
28 46 13 31-1862	EA	Relay Base (Silent Knight B224RB)	103.83	16.20
28 46 13 31-1863	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	211.98	48.62
28 46 13 31-1864	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	193.87	48.62
28 46 13 31-1865	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	198.20	48.62
28 46 13 31-1866	EA	6" Isolator Base (Silent Knight SD505-6IB)	129.71	16.20
28 46 13 31-1867	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	860.06	97.24
28 46 13 31-1868	EA	Loop Isolation Module (Silent Knight SD500-LIM)	205.60	48.62
28 46 13 31-1869	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	162.11	32.42
28 46 13 31-1870	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	209.49	32.42
28 46 13 31-1871	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	200.00	32.42
28 46 13 31-1872	EA	Back Box (Silent Knight SK-PSSMBB)	91.58	25.93
28 46 13 31-1873	EA	Smoke Detector Module (Silent Knight SD500-SDM)	230.04	48.62
28 46 13 31-1874	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	334.24	48.62
28 46 13 31-1875	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	488.42	48.62
28 46 13 31-1876	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	203.14	48.62
28 46 13 31-1877	EA	Intelligent Power Module (Silent Knight 5895XL)	1,240.53	129.66
28 46 13 31-1878	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	200.00	32.42
28 46 13 31-1879	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	697.65	97.24
28 46 13 31-1880	EA	Communicator (Silent Knight IPGSM-4G)	1,035.55	64.82
28 46 13 31-1881	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,635.85	129.66
28 46 13 31-1882	EA	10 Zone Expander (Silent Knight SK-5217)	458.32	32.42
28 46 13 31-1883	EA	Remote Annunciator (Silent Knight SK-5235)	458.34	64.82
28 46 13 31-1884	EA	Status Display Module (Silent Knight 5280)	132.56	32.42
28 46 13 31-1885	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	929.47	129.66
28 46 13 31-1886	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	947.76	129.66
28 46 13 31-1887	EA	Dress Panel (Silent Knight SK-DP2/4)	175.64	32.42
28 46 13 31-1888	EA	Class A Convertor (Silent Knight SK-CAC4)	458.33	48.62
28 46 13 31-1889	EA	Transmitter Module (Silent Knight SK-4XTM	241.91	48.62
28 46 13 31-1890	EA	LED Interface Module (Silent Knight SK-4XLM	222.93	48.62
28 46 13 31-1891	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	228.46	32.42
28 46 13 31-1892	EA	Remote Annunciator (Silent Knight SK-RZA4)	222.93	48.62
28 46 13 31-1893	EA	Zone Relay Module (Silent Knight SK-4XZM)	239.53	48.62
28 46 13 31-1894	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	803.66	129.66
28 46 13 31-1895	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	110.74	32.42
28 46 13 31-1896	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	119.90	32.42
28 46 13 31-1897	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	117.33	32.42
28 46 13 31-1898	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	104.76	32.42
28 46 13 31-1899	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	234.32	38.90
28 46 13 31-1900	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	812.02	97.24
28 46 13 31-1901	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	912.66	97.24
28 46 13 31-1902	EA	Detector (Silent Knight IDP-PhotoR)	279.76	48.62
28 46 13 31-1903	EA	Monitoring Module (Silent Knight IDP)	289.37	48.62
28 46 13 31-1904	EA	I/O Input-Output Module (Silent Knight SK-2880)	737.28	32.42
28 46 13 31-1905	EA	Remote Annunciator (Silent Knight RA-2000)	2,115.78	97.24
28 46 13 31-1906	EA	Power Supply (Silent Knight 5195/96)	1,313.66	32.42
28 46 13 31-1907	EA	8 Zone Expander (Silent Knight SK-5210)	1,025.47	32.42
28 46 13 31-1908	EA	LCD Remote Annunciator (Silent Knight SK-5230)	435.19	64.82
28 46 13 31-1909	EA	Ionization Smoke Detector (Silent Knight SK-ION)	216.71	48.62
28 46 13 31-1910	EA	Addressable Relay Module (Silent Knight IDP-Relay)	241.34	48.62
28 46 13 31-1911	EA	Telephone Line Monitor (Silent Knight SK-7150)	151.28	32.42
28 46 13 31-1912	EA	Serial Driver Board (Silent Knight SK-2884)	278.08	32.42
28 46 13 31-1913	EA	Smoke Detector Base (Silent Knight IDP-6AB)	80.45	16.20
28 46 13 31-1914	EA	Mini Input Module (Silent Knight IDP-MINIMON)	208.92	32.42
28 46 13 31-1915	EA	Status Display Module (Silent Knight SK-4180)	756.49	32.42
28 46 13 31-1916	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	449.08	32.42
28 46 13 31-1917	EA	Serial Parallel Module (Silent Knight SK-4824)	410.65	32.42
28 46 13 31-1918	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,505.80	32.42
28 46 13 31-1919	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	2,564.88	129.66
28 46 13 31-1920	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	289.37	48.62
28 46 13 31-1921	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	241.34	48.62

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1922		**Alerton Fire Alarm** *(28 46 13 31)*		
28 46 13 31-1923	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	616.70	9.72
28 46 13 31-1924		**Cooper Fire Alarm** *(28 46 13 31)*		
28 46 13 31-1925	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	205.55	32.42
28 46 13 31-1926	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	4,697.37	55.10
28 46 13 31-1927	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	6,196.98	55.10
28 46 13 31-1928	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	2,257.45	64.82
28 46 13 31-1929	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	2,270.78	64.82
28 46 13 31-1930	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	2,270.78	64.82
28 46 13 31-1931	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	1,680.93	64.82
28 46 13 31-1932	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	1,680.93	64.82
28 46 13 31-1933	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	1,680.93	64.82
28 46 13 31-1934	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	2,270.78	64.82
28 46 13 31-1935	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	2,270.78	64.82
28 46 13 31-1936	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	2,270.78	64.82
28 46 13 31-1937	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	2,270.78	64.82
28 46 13 31-1938	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	2,270.78	64.82
28 46 13 31-1939	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	2,615.69	64.82
28 46 13 31-1940	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	2,429.07	64.82
28 46 13 31-1941	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	2,429.07	64.82
28 46 13 31-1942	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	2,429.07	64.82
28 46 13 31-1943		**Light Engineered Displays Message Boards** *(28 46 13 31)*		
28 46 13 31-1944	EA	Two Message Sign, Announcement And Evacuate (LED SP-2/MNS)	968.76	38.90
28 46 13 31-1945	EA	Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4)	854.08	38.90
28 46 13 31-1946		**Safety Technology International Fire Alarm** *(28 46 13 31)*		
28 46 13 31-1947		**Enclosures** *(28 46 13 31-1946)*		
28 46 13 31-1948	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O)	152.43	19.45
28 46 13 31-1949	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W)	198.05	19.45
28 46 13 31-1950	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O)	155.47	19.45
28 46 13 31-1951	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W)	199.06	19.45
28 46 13 31-1952	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O)	159.53	19.45
28 46 13 31-1953	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W)	229.47	19.45
28 46 13 31-1954	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O)	166.62	19.45
28 46 13 31-1955	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W)	228.46	19.45
28 46 13 31-1956	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O)	178.79	19.45
28 46 13 31-1957	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W)	247.72	19.45
28 46 13 31-1958	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O)	212.24	19.45
28 46 13 31-1959	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W)	320.70	19.45
28 46 13 31-1960	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O)	228.46	19.45
28 46 13 31-1961	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W)	403.82	19.45
28 46 13 31-1962	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O)	242.65	19.45
28 46 13 31-1963	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W)	415.99	19.45
28 46 13 31-1964	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O)	288.26	19.45
28 46 13 31-1965	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W)	427.14	19.45
28 46 13 31-1966	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O)	415.99	19.45
28 46 13 31-1967	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W)	616.69	19.45
28 46 13 31-1968	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O)	113.91	19.45
28 46 13 31-1969	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T)	124.05	19.45
28 46 13 31-1970	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O)	118.47	19.45
28 46 13 31-1971	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T)	127.09	19.45
28 46 13 31-1972	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O)	122.53	19.45
28 46 13 31-1973	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T)	132.66	19.45
28 46 13 31-1974	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O)	124.05	19.45
28 46 13 31-1975	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T)	144.83	19.45
28 46 13 31-1976	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O)	130.13	19.45
28 46 13 31-1977	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T)	148.88	19.45
28 46 13 31-1978	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O)	135.71	19.45
28 46 13 31-1979	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T)	151.42	19.45
28 46 13 31-1980	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O)	137.23	19.45
28 46 13 31-1981	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T)	156.49	19.45
28 46 13 31-1982	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O)	160.54	19.45
28 46 13 31-1983	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T)	199.06	19.45
28 46 13 31-1984	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O)	176.76	19.45
28 46 13 31-1985	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T)	237.58	19.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1986	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O)	196.02	19.45
28 46 13 31-1987	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T)	254.81	19.45
28 46 13 31-1988	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O)	222.37	19.45
28 46 13 31-1989	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T)	298.40	19.45
28 46 13 31-1990	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	353.14	19.45
28 46 13 31-1991	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T)	369.36	19.45
28 46 13 31-1992	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	531.54	19.45
28 46 13 31-1993	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T)	615.68	19.45
28 46 13 31-1994		**STI® Fire Alarm Devices** *(28 46 13 31-1946)*		
28 46 13 31-1995	EA	Pull Station Polycarbonate Cover, Semi-Flush With Horn (STI-1100) Note: Includes 9 Volt DC self contained battery.	182.33	19.45
28 46 13 31-1996	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	199.06	19.45
28 46 13 31-1997	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	117.21	19.45
28 46 13 31-1998	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	118.22	19.45
28 46 13 31-1999	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	105.04	19.45
28 46 13 31-2000	EA	Strobe Damage Stopper And Open Back Box With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	118.22	19.45
28 46 13 31-2001	EA	Strobe Damage Stopper And Open Back Box, Semi-Flush (STI-1221E)	95.16	19.45
28 46 13 31-2002	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	224.40	19.45
28 46 13 31-2003	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	149.39	19.45
28 46 13 31-2004	EA	Backplate For Polycarbonate Cover (STI-1280)	70.93	19.45
28 46 13 31-2005	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	51.06	19.45
28 46 13 31-2006	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	72.05	19.45
28 46 13 31-2007	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	167.13	19.45
28 46 13 31-2008	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	138.24	19.45
28 46 13 31-2009	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	101.75	19.45
28 46 13 31-2010	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	96.17	19.45
28 46 13 31-2011	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	92.88	19.45
28 46 13 31-2012	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	96.17	19.45
28 46 13 31-2013	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	92.88	19.45
28 46 13 31-2014	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	96.17	19.45
28 46 13 31-2015	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	92.88	19.45
28 46 13 31-2016	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	183.35	19.45
28 46 13 31-2017	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	86.24	19.45
28 46 13 31-2018	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	110.55	19.45
28 46 13 31-2019	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	131.65	19.45
28 46 13 31-2020	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	131.65	19.45
28 46 13 31-2021	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	95.16	19.45
28 46 13 31-2022	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	95.16	19.45
28 46 13 31-2023	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	86.24	19.45
28 46 13 31-2024	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	95.16	19.45
28 46 13 31-2025	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	95.16	19.45
28 46 13 31-2026	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	134.00	9.72
28 46 13 31-2027	EA	Gasket Kit For STI Covers (STI SUB-121)	55.72	
28 46 13 31-2028	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	237.58	19.45
28 46 13 31-2029	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV)	129.62	19.45
28 46 13 31-2030	EA	No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	129.62	19.45
28 46 13 31-2031	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM)	237.58	19.45
28 46 13 31-2032	EA	Flush Mounted, Weather Stopper II (STI-1250)	139.51	19.45
28 46 13 31-2033	EA	Flush Mounted, Clear, Universal Stopper (STI-13000NC)	92.88	19.45
28 46 13 31-2034	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR)	159.02	19.45
28 46 13 31-2035	EA	Surface Mounted, Clear, Universal Stopper (STI-13200NC)	111.88	19.45
28 46 13 31-2036	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	122.02	19.45
28 46 13 31-2037	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW)	132.66	19.45
28 46 13 31-2038	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	132.66	19.45
28 46 13 31-2039	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	177.77	19.45
28 46 13 31-2040	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	187.91	19.45
28 46 13 31-2041	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	223.39	19.45
28 46 13 31-2042	EA	Stopper II, Weather Gasket (STI-3002)	50.00	19.45
28 46 13 31-2043	EA	Large, Break Glass Stopper (STI-4100)	131.65	19.45
28 46 13 31-2044	EA	Stopper "G" Standard Break Glass Cover (STI-6100)	127.09	19.45
28 46 13 31-2045	EA	Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A)	122.78	19.45
28 46 13 31-2046	EA	Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530)	326.78	19.45
28 46 13 31-2047	EA	Heated, Metal, Protective Cabinet (STI-7560AH)	4,559.87	19.45
28 46 13 31-2048	EA	Stainless Steel Guard (STI-9604SS)	88.57	19.45
28 46 13 31-2049	EA	5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	79.70	19.45
28 46 13 31-2050		**System Sensor Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2051		**Smoke Detectors** *(28 46 13 31-2050)*		
28 46 13 31-2052	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	63.88	6.48
28 46 13 31-2053	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	268.12	6.48
28 46 13 31-2054	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	328.74	64.82
28 46 13 31-2055	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	241.21	64.82
28 46 13 31-2056	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	196.59	64.82
28 46 13 31-2057	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	213.20	48.62
28 46 13 31-2058	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	180.48	48.62
28 46 13 31-2059	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	225.69	48.62
28 46 13 31-2060	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	217.21	48.62

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28 46 13 31-2061	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	191.92	48.62
28 46 13 31-2062	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	231.93	48.62
28 46 13 31-2063	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	277.19	48.62
28 46 13 31-2064	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	161.46	32.42
28 46 13 31-2065	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	184.79	32.42
28 46 13 31-2066	EA	Heavy-Duty Multi-Mount Kit (System Sensor 6500-MMK)	309.30	16.20
28 46 13 31-2067	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy-Duty Multi-Mount Kit (System Sensor 6500-SMK)	105.93	16.20
28 46 13 31-2068	EA	Four Wire, Low Profile, Plug In Detector (System Sensor 2D51)	205.06	48.62
28 46 13 31-2069		**Duct Smoke Detectors** *(28 46 13 31-2050)*		
28 46 13 31-2070	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	397.01	48.62
28 46 13 31-2071	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	393.57	48.62
28 46 13 31-2072	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	516.38	55.10
28 46 13 31-2073	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	259.33	32.42
28 46 13 31-2074	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	70.36	9.72
28 46 13 31-2075	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	222.35	25.93
28 46 13 31-2076	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	361.15	32.42
28 46 13 31-2077	EA	1' Steel Sampling Tube (System Sensor DST1)	40.69	12.97
28 46 13 31-2078	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	44.58	12.97
28 46 13 31-2079	EA	3' Steel Sampling Tube (System Sensor DST3)	50.47	12.97
28 46 13 31-2080	EA	5' Steel Sampling Tube (System Sensor DST5)	68.99	16.20
28 46 13 31-2081	EA	10' Steel Sampling Tube (System Sensor DST10)	95.99	19.45
28 46 13 31-2082	EA	1' Steel, Exhaust Tube Duct (System Sensor ETX)	46.18	12.97
28 46 13 31-2083	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	105.65	16.20
28 46 13 31-2084	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	229.40	
28 46 13 31-2085	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	246.56	
28 46 13 31-2086		**Heat Detectors** *(28 46 13 31-2050)*		
28 46 13 31-2087	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	134.70	48.62
28 46 13 31-2088	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	124.36	48.62
28 46 13 31-2089	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	144.72	48.62
28 46 13 31-2090	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	144.72	48.62
28 46 13 31-2091	EA	Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623)	157.01	48.62
28 46 13 31-2092	EA	Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624)	157.01	48.62
28 46 13 31-2093		**Horns** *(28 46 13 31-2050)*		
28 46 13 31-2094	EA	Red, Mini Horn (System Sensor MHR)	133.57	48.62
28 46 13 31-2095	EA	White, Mini Horn (System Sensor MHW)	133.57	48.62
28 46 13 31-2096	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL)	135.34	48.62
28 46 13 31-2097	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	170.05	55.10
28 46 13 31-2098	EA	Red, Indoor, Wall Mounted, Horn (System Sensor HRL)	135.34	48.62
28 46 13 31-2099	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	213.20	48.62
28 46 13 31-2100	EA	White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL)	135.91	48.62
28 46 13 31-2101	EA	Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL)	135.91	48.62
28 46 13 31-2102		**Wall Mounted Horns/Strobes** *(28 46 13 31-2050)*		
28 46 13 31-2103	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	183.05	48.62
28 46 13 31-2104	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	233.87	48.62
28 46 13 31-2105	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	270.39	55.10
28 46 13 31-2106	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	264.10	55.10
28 46 13 31-2107	EA	Outdoor Back Box, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	276.40	55.10
28 46 13 31-2108	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	269.53	55.10
28 46 13 31-2109	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	256.09	55.10
28 46 13 31-2110	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	222.81	48.62
28 46 13 31-2111	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	179.05	48.62
28 46 13 31-2112	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	183.05	48.62
28 46 13 31-2113	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	235.54	48.62
28 46 13 31-2114	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	261.81	55.10
28 46 13 31-2115	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	264.10	55.10
28 46 13 31-2116	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	233.87	48.62
28 46 13 31-2117	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	278.11	55.10
28 46 13 31-2118	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	256.09	55.10

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28 46 13 31-2119	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P)	178.19	48.62
28 46 13 31-2120	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL)	219.09	48.62
28 46 13 31-2121	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	277.42	48.62
28 46 13 31-2122	EA	Outdoor Back Box, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	320.72	55.10
28 46 13 31-2123	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	250.37	55.10
28 46 13 31-2124	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL)	219.09	48.62
28 46 13 31-2125	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	296.83	55.10
28 46 13 31-2126	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	264.67	55.10
28 46 13 31-2127	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF)	268.86	48.62
28 46 13 31-2128	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF)	268.86	48.62
28 46 13 31-2129	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL)	182.48	48.62
28 46 13 31-2130	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL)	182.48	48.62

28 46 13 31-2131 Ceiling Mounted Horns/Strobes *(28 46 13 31-2050)*

28 46 13 31-2132	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL)	185.91	48.62
28 46 13 31-2133	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	237.20	48.62
28 46 13 31-2134	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	261.81	55.10
28 46 13 31-2135	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	254.37	55.10
28 46 13 31-2136	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	225.54	48.62
28 46 13 31-2137	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL)	185.91	48.62
28 46 13 31-2138	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	237.20	48.62
28 46 13 31-2139	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	261.81	55.10
28 46 13 31-2140	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	237.20	48.62
28 46 13 31-2141	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	254.37	55.10
28 46 13 31-2142	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	223.87	48.62
28 46 13 31-2143	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL)	220.52	48.62
28 46 13 31-2144	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	277.42	48.62
28 46 13 31-2145	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL)	220.52	48.62

28 46 13 31-2146 Wall Mounted Strobes *(28 46 13 31-2050)*

28 46 13 31-2147	EA	White Strobe Expander Plate Back Box Skirt (System Sensor SEP-BBSW)	83.79	16.20
28 46 13 31-2148	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	160.85	16.20
28 46 13 31-2149	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL)	165.60	48.62
28 46 13 31-2150	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	231.04	48.62
28 46 13 31-2151	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	283.26	55.10
28 46 13 31-2152	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	279.69	55.10
28 46 13 31-2153	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	235.49	55.10
28 46 13 31-2154	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	207.46	55.10
28 46 13 31-2155	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P)	164.17	48.62
28 46 13 31-2156	EA	White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL)	165.03	48.62
28 46 13 31-2157	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT)	178.47	48.62
28 46 13 31-2158	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT)	212.21	48.62
28 46 13 31-2159	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	222.21	48.62
28 46 13 31-2160	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	220.54	48.62
28 46 13 31-2161	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	220.54	48.62
28 46 13 31-2162	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	238.93	55.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2163	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	236.35	55.10
28 46 13 31-2164	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	238.35	55.10
28 46 13 31-2165	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	238.51	55.10
28 46 13 31-2166	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	234.06	55.10
28 46 13 31-2167	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	235.21	55.10
28 46 13 31-2168	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P)	163.89	48.62
28 46 13 31-2169	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	28.70	6.48
28 46 13 31-2170	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	28.70	6.48
28 46 13 31-2171	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	28.70	6.48
28 46 13 31-2172	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	28.70	6.48
28 46 13 31-2173	EA	Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL)	167.89	48.62
28 46 13 31-2174	EA	White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL)	164.74	48.62
28 46 13 31-2175	EA	L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2)	28.70	6.48
28 46 13 31-2176	EA	L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2)	28.70	6.48
28 46 13 31-2177	EA	L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2)	28.70	6.48
28 46 13 31-2178	EA	L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2)	28.70	6.48
28 46 13 31-2179	EA	Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR)	243.75	48.62
28 46 13 31-2180	EA	White, 8 Multi-tone, 12 VDC,1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW)	243.75	48.62
28 46 13 31-2181	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT)	240.07	55.10

28 46 13 31-2182 Ceiling Mounted Strobes *(28 46 13 31-2050)*

28 46 13 31-2183	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL)	168.75	48.62
28 46 13 31-2184	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	234.61	48.62
28 46 13 31-2185	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	283.26	55.10
28 46 13 31-2186	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	283.26	55.10
28 46 13 31-2187	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL)	168.75	48.62
28 46 13 31-2188	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT)	180.19	48.62
28 46 13 31-2189	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	225.54	48.62
28 46 13 31-2190	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	236.35	55.10
28 46 13 31-2191	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	234.06	55.10
28 46 13 31-2192	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	200.55	48.62
28 46 13 31-2193	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	28.70	6.48
28 46 13 31-2194	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	28.70	6.48
28 46 13 31-2195	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	28.70	6.48
28 46 13 31-2196	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	28.70	6.48

28 46 13 31-2197 Wall Mounted Speakers *(28 46 13 31-2050)*

28 46 13 31-2198	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	430.19	48.62
28 46 13 31-2199	EA	Red, Wall Mounted Speaker (System Sensor SPRL)	142.43	48.62
28 46 13 31-2200	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	225.96	48.62
28 46 13 31-2201	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	189.16	55.10
28 46 13 31-2202	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	186.44	48.62
28 46 13 31-2203	EA	White, Wall Mounted Speaker (System Sensor SPWL)	142.43	48.62
28 46 13 31-2204	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	237.78	55.10
28 46 13 31-2205	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	160.05	48.62

28 46 13 31-2206 Ceiling Mounted Speakers *(28 46 13 31-2050)*

28 46 13 31-2207	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL)	139.29	48.62
28 46 13 31-2208	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	258.69	48.62
28 46 13 31-2209	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	186.44	48.62
28 46 13 31-2210	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL)	141.86	48.62
28 46 13 31-2211	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	180.55	48.62
28 46 13 31-2212	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	238.93	55.10

28 46 13 31-2213 Wall Mounted Speakers/Strobes *(28 46 13 31-2050)*

28 46 13 31-2214	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL)	158.85	16.20
28 46 13 31-2215	EA	White Speaker Strobe Expander Plate Back Box Skirt (System Sensor SPSEP-BBSWL)	80.36	16.20
28 46 13 31-2216	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL)	228.82	48.62
28 46 13 31-2217	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	298.83	48.62
28 46 13 31-2218	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	402.79	55.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2219	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	327.03	55.10
28 46 13 31-2220	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	279.54	55.10
28 46 13 31-2221	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P)	226.24	48.62
28 46 13 31-2222	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	288.13	48.62
28 46 13 31-2223	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT)	229.96	48.62
28 46 13 31-2224	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	331.03	55.10
28 46 13 31-2225	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL)	228.82	48.62
28 46 13 31-2226	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	285.53	48.62
28 46 13 31-2227	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	285.53	48.62
28 46 13 31-2228	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	342.47	55.10
28 46 13 31-2229	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	325.88	55.10
28 46 13 31-2230	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P)	225.10	48.62
28 46 13 31-2231	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	275.53	48.62
28 46 13 31-2232	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	275.53	48.62

28 46 13 31-2233 Ceiling Mounted Speakers/Strobes *(28 46 13 31-2050)*

28 46 13 31-2234	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL)	213.37	48.62
28 46 13 31-2235	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	302.40	48.62
28 46 13 31-2236	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	288.13	48.62
28 46 13 31-2237	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL)	213.37	48.62
28 46 13 31-2238	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT)	227.67	48.62
28 46 13 31-2239	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	285.53	48.62
28 46 13 31-2240	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	344.19	55.10
28 46 13 31-2241	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	285.53	48.62
28 46 13 31-2242	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	331.60	55.10
28 46 13 31-2243	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	342.47	55.10
28 46 13 31-2244	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P)	213.37	48.62
28 46 13 31-2245	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	275.53	48.62
28 46 13 31-2246	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	285.53	48.62
28 46 13 31-2247	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	275.53	48.62
28 46 13 31-2248	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	285.29	48.62

28 46 13 31-2249 Electric Alarm Bells *(28 46 13 31-2050)*

28 46 13 31-2250	EA	6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6)	175.90	48.62
28 46 13 31-2251	EA	8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8)	189.92	48.62
28 46 13 31-2252	EA	10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10)	205.36	48.62
28 46 13 31-2253	EA	6" 120 Volt AC Alarm Bell (System Sensor SSV120-6)	192.22	49.27
28 46 13 31-2254	EA	8" 120 Volt AC Alarm Bell (System Sensor SSV120-8)	194.42	49.27
28 46 13 31-2255	EA	10" 120 Volt AC Alarm Bell (System Sensor SSV120-10)	208.30	49.27

28 46 13 31-2256 Device Bases *(28 46 13 31-2050)*

28 46 13 31-2257	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	135.68	16.20
28 46 13 31-2258	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	131.39	16.20
28 46 13 31-2259	EA	Intelligent Isolator Base (System Sensor B224BI)	108.22	16.20
28 46 13 31-2260	EA	Intelligent Relay Base (System Sensor B224RB)	109.36	16.20
28 46 13 31-2261	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	68.12	16.20
28 46 13 31-2262	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV)	135.68	16.20
28 46 13 31-2263	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV)	131.39	16.20
28 46 13 31-2264	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF)	196.03	16.20
28 46 13 31-2265	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV)	196.03	16.20
28 46 13 31-2266	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH)	189.74	16.20
28 46 13 31-2267	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH)	148.72	16.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2268	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH)	128.81	16.20
28 46 13 31-2269	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV)	108.22	16.20
28 46 13 31-2270	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH)	101.36	16.20
28 46 13 31-2271	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV)	109.36	16.20
28 46 13 31-2272	EA	Intelligent Relay Base, White (System Sensor B224RB-WH)	102.79	16.20
28 46 13 31-2273	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL)	68.12	16.20
28 46 13 31-2274	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV)	68.12	16.20
28 46 13 31-2275	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE)	60.68	16.20
28 46 13 31-2276	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF)	199.47	16.20
28 46 13 31-2277	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV)	199.47	16.20
28 46 13 31-2278	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH)	192.03	16.20
28 46 13 31-2279	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6)	53.87	16.20
28 46 13 31-2280	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV)	61.02	16.20
28 46 13 31-2281	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	59.91	16.20
28 46 13 31-2282	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	119.71	19.45

28 46 13 31-2283 Boxes, Plates And Decals *(28 46 13 31-2050)*

28 46 13 31-2284	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	61.25	16.20
28 46 13 31-2285	EA	Red, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBB)	92.26	16.20
28 46 13 31-2286	EA	White, Ceiling Mounted, Metal, Weatherproof Back Box (System Sensor MWBBCW)	100.50	16.20
28 46 13 31-2287	EA	White, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBBW)	92.26	16.20
28 46 13 31-2288	EA	Red Retrofit Plate (System Sensor RFP)	42.56	9.72
28 46 13 31-2289	EA	White Retrofit Plate (System Sensor RFPW)	42.22	9.72
28 46 13 31-2290	EA	Red, Wall Mounted, Weatherproof Back Box (System Sensor SA-WBB)	77.96	16.20
28 46 13 31-2291	EA	Red, Ceiling Mounted, Weatherproof Back Box (System Sensor SA-WBBC)	87.80	16.20
28 46 13 31-2292	EA	Red, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCRL)	61.94	16.20
28 46 13 31-2293	EA	White, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCWL)	61.94	16.20
28 46 13 31-2294	EA	Red, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBRL)	53.59	16.20
28 46 13 31-2295	EA	Red, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPRL)	59.88	16.20
28 46 13 31-2296	EA	White, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPWL)	59.88	16.20
28 46 13 31-2297	EA	White, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBWL)	53.59	16.20
28 46 13 31-2298	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	59.08	16.20
28 46 13 31-2299	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	53.87	16.20
28 46 13 31-2300	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	19.51	6.48
28 46 13 31-2301	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	28.93	
28 46 13 31-2302	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	40.23	
28 46 13 31-2303	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	28.93	
28 46 13 31-2304	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	40.23	
28 46 13 31-2305	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2)	21.60	6.48
28 46 13 31-2306	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W)	21.60	6.48
28 46 13 31-2307	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2)	21.60	6.48
28 46 13 31-2308	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W)	21.60	6.48
28 46 13 31-2309	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL)	53.59	16.20
28 46 13 31-2310	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL)	53.59	16.20
28 46 13 31-2311	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG)	26.13	6.48
28 46 13 31-2312	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL)	26.13	6.48
28 46 13 31-2313	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV)	26.13	6.48
28 46 13 31-2314	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F)	26.13	6.48
28 46 13 31-2315	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG)	26.13	6.48
28 46 13 31-2316	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL)	26.13	6.48
28 46 13 31-2317	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV)	26.13	6.48
28 46 13 31-2318	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F)	26.13	6.48
28 46 13 31-2319	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P)	26.13	6.48
28 46 13 31-2320	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P)	26.13	6.48
28 46 13 31-2321	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	26.13	6.48
28 46 13 31-2322	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL)	26.13	6.48
28 46 13 31-2323	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG)	28.53	6.48
28 46 13 31-2324	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL)	28.53	6.48
28 46 13 31-2325	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV)	28.53	6.48
28 46 13 31-2326	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F)	28.53	6.48
28 46 13 31-2327	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P)	28.53	6.48
28 46 13 31-2328	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV)	26.13	6.48
28 46 13 31-2329	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F)	26.13	6.48
28 46 13 31-2330	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P)	26.13	6.48
28 46 13 31-2331	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	26.13	6.48
28 46 13 31-2332	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG)	26.13	6.48
28 46 13 31-2333	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL)	26.13	6.48
28 46 13 31-2334	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG)	28.53	6.48
28 46 13 31-2335	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL)	28.53	6.48
28 46 13 31-2336	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV)	28.53	6.48
28 46 13 31-2337	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F)	28.53	6.48
28 46 13 31-2338	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P)	28.53	6.48
28 46 13 31-2339	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV)	26.13	6.48
28 46 13 31-2340	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F)	26.13	6.48
28 46 13 31-2341	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01)	5.09	
28 46 13 31-2342	EA	Control Module Barrier (System Sensor CB500)	39.13	9.72
28 46 13 31-2343	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300)	36.04	9.72
28 46 13 31-2344	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL)	43.42	9.72
28 46 13 31-2345	EA	PTIR Color Kit, White (System Sensor CK-300-IR) Note: Includes cover and trim ring	161.32	9.72

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28 46 13 31-2346	EA	PTIR Color Kit, Black (System Sensor CK-300-IR-BL) Note: Includes cover and trim ring	233.98	9.72
28 46 13 31-2347	EA	PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV) Note: Includes cover and trim ring	233.98	9.72
28 46 13 31-2348	EA	Accessory Flange Ring For B210LP Base (System Sensor F210) Note: Includes cover and trim ring	29.58	9.72
28 46 13 31-2349	EA	Black Faceplate (System Sensor FP-BLACK-BP)	28.75	9.72
28 46 13 31-2350	EA	White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	29.18	9.72
28 46 13 31-2351	EA	White Faceplate (System Sensor FP-WHITE-BP)	27.77	9.72
28 46 13 31-2352	EA	White, Back Box (System Sensor SMB500-WH)	50.90	16.20
28 46 13 31-2353	EA	Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	20.12	6.48
28 46 13 31-2354	EA	Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	28.47	6.48
28 46 13 31-2355	EA	White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	30.52	9.72
28 46 13 31-2356	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	26.13	6.48
28 46 13 31-2357	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	28.53	6.48
28 46 13 31-2358	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	28.53	6.48
28 46 13 31-2359	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	28.53	6.48
28 46 13 31-2360	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	28.53	6.48
28 46 13 31-2361	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	28.53	6.48
28 46 13 31-2362	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	26.13	6.48
28 46 13 31-2363	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	26.13	6.48
28 46 13 31-2364	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	26.13	6.48
28 46 13 31-2365	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	78.41	16.20
28 46 13 31-2366	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	153.99	16.20

28 46 13 31-2367 Chimes *(28 46 13 31-2050)*

28 46 13 31-2368	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	164.34	48.62
28 46 13 31-2369	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	169.89	48.62

28 46 13 31-2370 Chime/Strobes *(28 46 13 31-2050)*

28 46 13 31-2371	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	245.98	48.62
28 46 13 31-2372	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	245.98	48.62
28 46 13 31-2373	EA	L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCRL)	247.70	48.62
28 46 13 31-2374	EA	L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	247.70	48.62

28 46 13 31-2375 Carbon Monoxide Detectors *(28 46 13 31-2050)*

28 46 13 31-2376	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	355.34	64.82
28 46 13 31-2377	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	243.69	48.62
28 46 13 31-2378	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	19.88	6.48
28 46 13 31-2379	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	363.83	48.62
28 46 13 31-2380	EA	12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	276.11	64.82
28 46 13 31-2381	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	376.41	48.62

28 46 13 31-2382 Switches *(28 46 13 31-2050)*

28 46 13 31-2383	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	221.20	25.93
28 46 13 31-2384	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	246.95	25.93
28 46 13 31-2385	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	221.20	25.93
28 46 13 31-2386	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	246.95	25.93
28 46 13 31-2387	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	230.36	25.93
28 46 13 31-2388	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	215.48	25.93

28 46 13 31-2389 Low Frequency Sounders *(28 46 13 31-2050)*

28 46 13 31-2390	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	227.21	48.62
28 46 13 31-2391	EA	White, Low Frequency Sounder (System Sensor HW-LF)	227.21	48.62
28 46 13 31-2392	EA	Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	201.64	48.62
28 46 13 31-2393	EA	White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	201.64	48.62
28 46 13 31-2394	EA	Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	200.21	48.62
28 46 13 31-2395	EA	White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	200.21	48.62

28 46 13 31-2396 Sync Modules *(28 46 13 31-2050)*

28 46 13 31-2397	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	176.37	32.42
28 46 13 31-2398	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	173.51	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2399		**Relays** *(28 46 13 31-2050)*		
28 46 13 31-2400	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	100.15	25.93
28 46 13 31-2401	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	64.57	16.20
28 46 13 31-2402	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	186.88	16.20
28 46 13 31-2403	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	137.68	16.20
28 46 13 31-2404	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	107.82	25.93
28 46 13 31-2405	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	66.63	16.20
28 46 13 31-2406	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	210.34	16.20
28 46 13 31-2407	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	157.42	16.20
28 46 13 31-2408	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	56.22	16.20
28 46 13 31-2409	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	56.22	16.20
28 46 13 31-2410	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	56.22	16.20
28 46 13 31-2411		**Remote Annunciator** *(28 46 13 31-2050)*		
28 46 13 31-2412	EA	Remote Annunciator (System Sensor RA100Z)	133.28	48.62
28 46 13 31-2413	EA	Remote LED Annunciator (System Sensor RA100ZA)	129.54	48.62
28 46 13 31-2414	EA	Remote Annunciator With Piezo Alarm (System Sensor APA151)	161.14	48.62
28 46 13 31-2415		**Remote Test Station** *(28 46 13 31-2050)*		
28 46 13 31-2416	EA	Remote Test Station With Key (System Sensor RTS151KEY)	207.65	48.62
28 46 13 31-2417		**Fire Alarm Digital Cellular Communicator** *(28 46 13 31)*		
28 46 13 31-2418	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	783.32	64.82
28 46 13 31-2419		**Wheelock Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2420		**Ceiling Mounted Chimes/Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2421	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	271.82	48.62
28 46 13 31-2422		**Wall Mounted Chimes/Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2423	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	271.82	48.62
28 46 13 31-2424	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	271.82	48.62
28 46 13 31-2425		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2426	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	177.51	48.62
28 46 13 31-2427	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	201.93	48.62
28 46 13 31-2428		**Wall Mounted Horns/Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2429	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	181.24	48.62
28 46 13 31-2430	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	287.19	48.62
28 46 13 31-2431	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	241.98	48.62
28 46 13 31-2432	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	241.98	48.62
28 46 13 31-2433	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	272.20	48.62
28 46 13 31-2434	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	202.52	48.62
28 46 13 31-2435	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	200.32	48.62
28 46 13 31-2436	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	221.19	55.10
28 46 13 31-2437	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	180.37	48.62
28 46 13 31-2438	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	180.37	48.62
28 46 13 31-2439	EA	White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW)	199.45	48.62
28 46 13 31-2440	EA	Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	241.98	48.62
28 46 13 31-2441	EA	White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	241.98	48.62
28 46 13 31-2442		**Ceiling Mounted Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2443	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	169.62	48.62
28 46 13 31-2444	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	169.62	48.62
28 46 13 31-2445	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	183.05	48.62
28 46 13 31-2446	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	163.04	48.62
28 46 13 31-2447	EA	White, 24 Volt DC, Amber Lens, Multi- Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW)	181.02	48.62
28 46 13 31-2448	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW)	182.56	48.62
28 46 13 31-2449	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCCH-FW)	183.22	48.62
28 46 13 31-2450	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR)	191.92	48.62
28 46 13 31-2451		**Wall Mounted Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2452	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	255.59	48.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2453	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	206.03	48.62
28 46 13 31-2454	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	228.87	48.62
28 46 13 31-2455	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	167.86	48.62
28 46 13 31-2456	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	167.86	48.62
28 46 13 31-2457	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	179.27	48.62
28 46 13 31-2458	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	187.41	55.10
28 46 13 31-2459	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	164.13	48.62
28 46 13 31-2460	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	164.13	48.62
28 46 13 31-2461	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW)	194.62	48.62
28 46 13 31-2462	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	169.84	48.62
28 46 13 31-2463	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW) Note: Requires WPSBB-R.	208.61	55.10
28 46 13 31-2464	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	205.65	48.62

28 46 13 31-2465 Ceiling Mounted Speakers/Strobes *(28 46 13 31-2419)*

28 46 13 31-2466	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	206.03	48.62
28 46 13 31-2467	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	206.03	48.62
28 46 13 31-2468	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	206.03	48.62
28 46 13 31-2469	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	208.22	48.62
28 46 13 31-2470	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	220.50	48.62
28 46 13 31-2471	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	237.61	48.62
28 46 13 31-2472	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	237.61	48.62
28 46 13 31-2473	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	209.97	48.62
28 46 13 31-2474	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW)	230.53	48.62
28 46 13 31-2475	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	244.26	48.62
28 46 13 31-2476	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW)	257.99	48.62

28 46 13 31-2477 Wall Mounted Speakers/Strobes *(28 46 13 31-2419)*

28 46 13 31-2478	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	315.52	48.62
28 46 13 31-2479	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	315.52	48.62
28 46 13 31-2480	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	220.50	48.62
28 46 13 31-2481	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	220.50	48.62
28 46 13 31-2482	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	206.03	48.62
28 46 13 31-2483	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	202.52	48.62
28 46 13 31-2484	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	220.50	48.62
28 46 13 31-2485	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	220.50	48.62
28 46 13 31-2486	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	312.18	48.62
28 46 13 31-2487	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	208.22	48.62
28 46 13 31-2488	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	206.47	48.62
28 46 13 31-2489	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	304.69	48.62
28 46 13 31-2490	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	312.18	48.62
28 46 13 31-2491	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	237.61	48.62
28 46 13 31-2492	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	237.61	48.62
28 46 13 31-2493	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	339.32	55.10
28 46 13 31-2494	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	189.80	48.62
28 46 13 31-2495	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW)	183.22	48.62
28 46 13 31-2496	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW)	244.26	48.62
28 46 13 31-2497	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	257.99	48.62
28 46 13 31-2498	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	263.14	48.62
28 46 13 31-2499	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW)	271.72	48.62
28 46 13 31-2500	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR)	278.02	48.62
28 46 13 31-2501	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR) Note: Requires IOB	274.01	48.62
28 46 13 31-2502	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW) Note: Requires IOB	271.72	48.62

28 46 13 31-2503 Electric Alarm Bells *(28 46 13 31-2419)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2504	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	200.76	48.62
28 46 13 31-2505	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	193.74	48.62
28 46 13 31-2506	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	240.68	48.62
28 46 13 31-2507	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R)	1,861.32	55.10
28 46 13 31-2508	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R)	3,005.33	55.10
28 46 13 31-2509	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R)	3,401.03	55.10
28 46 13 31-2510	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R)	161.06	48.62
28 46 13 31-2511	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R)	216.23	48.62
28 46 13 31-2512	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R)	163.70	48.62
28 46 13 31-2513	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R)	214.23	48.62

28 46 13 31-2514 Horns *(28 46 13 31-2419)*

28 46 13 31-2515	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R)	163.89	48.62
28 46 13 31-2516	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	136.37	48.62
28 46 13 31-2517	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	136.37	48.62
28 46 13 31-2518	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC)	137.33	48.62
28 46 13 31-2519	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC)	137.33	48.62
28 46 13 31-2520	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	121.10	48.62
28 46 13 31-2521	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	121.10	48.62
28 46 13 31-2522	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	137.33	48.62
28 46 13 31-2523	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R)	162.46	48.62

28 46 13 31-2524 Speakers *(28 46 13 31-2419)*

28 46 13 31-2525	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R)	140.14	48.62
28 46 13 31-2526	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W)	140.14	48.62
28 46 13 31-2527	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R)	140.14	48.62
28 46 13 31-2528	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W)	138.21	48.62
28 46 13 31-2529	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	140.14	48.62
28 46 13 31-2530	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	140.14	48.62
28 46 13 31-2531	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	140.14	48.62
28 46 13 31-2532	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	140.14	48.62
28 46 13 31-2533	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R)	161.28	48.62
28 46 13 31-2534	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W)	161.28	48.62
28 46 13 31-2535	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W)	163.04	48.62
28 46 13 31-2536	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	215.66	48.62
28 46 13 31-2537	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	195.64	48.62
28 46 13 31-2538	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S)	299.02	48.62
28 46 13 31-2539	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR)	299.02	48.62
28 46 13 31-2540	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R)	215.66	48.62
28 46 13 31-2541	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W)	217.95	48.62
28 46 13 31-2542	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R)	195.64	48.62
28 46 13 31-2543	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW)	286.60	48.62
28 46 13 31-2544	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25)	209.37	48.62

28 46 13 31-2545 Sync Modules *(28 46 13 31-2419)*

28 46 13 31-2546	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	194.79	32.42

28 46 13 31-2547 Boxes, Plates And Rings *(28 46 13 31-2419)*

28 46 13 31-2548	EA	4" Square, Red, Surface Back Box (Wheelock BB-R)	42.03	16.20
28 46 13 31-2549	EA	Standard 4" Square Box (Wheelock BB-STD)	41.34	16.20
28 46 13 31-2550	EA	Black, Back Box For UZC-256 (Wheelock BB-UZC)	249.60	32.42
28 46 13 31-2551	EA	Red, Back Box For UZC-256 (Wheelock BB-UZC-R)	249.60	32.42
28 46 13 31-2552	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	192.60	25.93
28 46 13 31-2553	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	21.57	6.48
28 46 13 31-2554	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	21.57	6.48
28 46 13 31-2555	EA	Red, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-R)	52.42	16.20
28 46 13 31-2556	EA	White, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-W)	49.62	16.20
28 46 13 31-2557	EA	Red, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-R)	52.42	16.20
28 46 13 31-2558	EA	White, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-W)	52.42	16.20
28 46 13 31-2559	EA	4" Square Back Box (Wheelock DBB-R)	43.82	16.20
28 46 13 31-2560	EA	Red, Surface Back Box (Wheelock IOB-R)	50.58	16.20
28 46 13 31-2561	EA	White, Surface, Back Box (Wheelock IOB-W)	50.58	16.20
28 46 13 31-2562	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	20.65	6.48
28 46 13 31-2563	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	27.13	6.48
28 46 13 31-2564	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	27.13	6.48
28 46 13 31-2565	EA	Red Retrofit Plate (Wheelock RP-R)	24.37	6.48
28 46 13 31-2566	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	41.92	6.48
28 46 13 31-2567	EA	Red, Surface Mounted, Back Box For Chimes, Speakers (Wheelock SBB-R)	52.86	16.20
28 46 13 31-2568	EA	White, Surface Mounted, Back Box For Chimes, Speaker (Wheelock SBB-W)	53.48	16.20
28 46 13 31-2569	EA	Red, Surface Mounted, Back Box For With RSSP (Wheelock SBL2-R)	56.72	16.20
28 46 13 31-2570	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	28.38	6.48
28 46 13 31-2571	EA	White, Semi-Flush Plate (Wheelock SFB-W)	28.38	6.48
28 46 13 31-2572	EA	Red, Shallow Surface Mounted, Back Box (Wheelock SHBB-R)	46.76	16.20
28 46 13 31-2573	EA	White, Shallow Surface Mounted, Back Box (Wheelock SHBB-W)	46.76	16.20
28 46 13 31-2574	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	30.17	6.48
28 46 13 31-2575	EA	Red, Weather Resistant Back Box (Wheelock WBB-R)	52.07	16.20
28 46 13 31-2576	EA	Silver, Weather Resistant Back Box (Wheelock WBB-S)	52.07	16.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2577	EA	White, Weather Resistant Back Box (Wheelock WBB-W)	52.07	16.20
28 46 13 31-2578	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	36.83	6.48
28 46 13 31-2579	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	36.83	6.48
28 46 13 31-2580	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	36.83	6.48
28 46 13 31-2581	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	36.83	6.48
28 46 13 31-2582	EA	Gasket Kit For Rear Wiring To Outdoor Back Box (Wheelock WP-KIT)	25.50	6.48
28 46 13 31-2583	EA	Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	63.54	16.20
28 46 13 31-2584	EA	Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	58.51	16.20
28 46 13 31-2585	EA	Red Plate For RSS (Wheelock RSSCP-R)	20.65	6.48
28 46 13 31-2586	EA	White Plate For RSS (Wheelock RSSCP-W)	20.65	6.48
28 46 13 31-2587	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR)	21.57	6.48
28 46 13 31-2588	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW)	21.57	6.48
28 46 13 31-2589	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R)	21.04	6.48
28 46 13 31-2590	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR)	150.27	6.48
28 46 13 31-2591	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW)	134.82	6.48
28 46 13 31-2592	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW)	132.53	6.48
28 46 13 31-2593	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW)	134.82	6.48
28 46 13 31-2594	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R)	23.67	6.48
28 46 13 31-2595	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	22.98	6.48
28 46 13 31-2596	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	24.18	6.48
28 46 13 31-2597	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	24.18	6.48
28 46 13 31-2598	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	22.98	6.48
28 46 13 31-2599	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	24.07	6.48
28 46 13 31-2600	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	24.07	6.48
28 46 13 31-2601	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	22.98	6.48
28 46 13 31-2602	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	22.98	6.48
28 46 13 31-2603	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	31.68	6.48
28 46 13 31-2604	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	32.02	6.48
28 46 13 31-2605	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	25.50	6.48
28 46 13 31-2606	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	24.18	6.48
28 46 13 31-2607	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	25.50	6.48
28 46 13 31-2608	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	63.54	16.20
28 46 13 31-2609	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	58.51	16.20
28 46 13 31-2610	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	58.51	16.20
28 46 13 31-2611		**Manual Pull Station** *(28 46 13 31-2419)*		
28 46 13 31-2612	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	142.16	32.42
28 46 13 31-2613	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	142.16	32.42
28 46 13 31-2614	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,232.69	32.42
28 46 13 31-2615		**Potter Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2616		**Electric Alarm Bells** *(28 46 13 31-2615)*		
28 46 13 31-2617	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	137.32	48.62
28 46 13 31-2618	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	149.97	48.62
28 46 13 31-2619	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	156.30	48.62
28 46 13 31-2620	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	137.32	48.62
28 46 13 31-2621	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	149.97	48.62
28 46 13 31-2622	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	156.30	48.62
28 46 13 31-2623	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	148.06	48.62
28 46 13 31-2624	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	154.13	48.62
28 46 13 31-2625	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	189.92	48.62
28 46 13 31-2626	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	139.14	48.62
28 46 13 31-2627	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	154.13	48.62
28 46 13 31-2628	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	166.67	48.62
28 46 13 31-2629		**Manual Pull Station** *(28 46 13 31-2615)*		
28 46 13 31-2630	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	100.70	32.42
28 46 13 31-2631	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	106.44	32.42
28 46 13 31-2632	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	171.13	32.42
28 46 13 31-2633	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	110.02	32.42
28 46 13 31-2634	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	103.95	32.42
28 46 13 31-2635	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	191.36	32.42
28 46 13 31-2636	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	239.61	32.42
28 46 13 31-2637		**Fire Alarm Terminal Cabinets** *(28 46 13 31)*		
28 46 13 31-2638	EA	18 Point Lockable Fire Alarm Terminal Cabinet	264.94	64.92
28 46 13 31-2639	EA	32 Point Lockable Fire Alarm Terminal Cabinet	346.01	64.92
28 46 13 31-2640	EA	64 Point Lockable Fire Alarm Terminal Cabinet	508.13	64.92
28 46 13 31-2641	EA	128 Point Lockable Fire Alarm Terminal Cabinet	670.21	64.92
28 46 13 31-2642		**Test And Certification Of Fire Alarm System To Tie In To Existing Systems** *(28 46 13 31)*		
28 46 13 31-2643	HR	Test And Certification Of Fire Alarm System	322.22	
28 46 13 31-2644		**Programming Of Existing Fire Alarm System** *(28 46 13 31)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2645	HR	Fire Alarm Techanician For Programming Of Existing Fire Alarm System	257.78	
28 46 13 31-2646		Removal And Reinstallation Of Smoke Detector *(28 46 13 31)*		
		Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2647	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector	181.52	
28 46 13 31-2648	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector	145.86	
28 46 13 31-2649		Kidde Fire Safety Equipment *(28 46 13 31)*		
28 46 13 31-2650		Smoke Detectors *(28 46 13 31-2649)*		
28 46 13 31-2651	EA	Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)	168.02	48.62
28 46 13 31-2652	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO)	148.06	48.62
28 46 13 31-2653	EA	Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO)	137.09	48.62
28 46 31		**Fire-Alarm Initiating Devices** *(28 46)*		
28 46 31 11		**Heat-Sensing Fire Detectors** *(28 46 31)*		
28 46 31 11-0001		Protectowire Fire Alarm *(28 46 31 11)*		
28 46 31 11-0002		Linear Heat Detector Cable *(28 46 31 11-0001)*		
28 46 31 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	5.99	
28 46 31 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M	6.49	
28 46 31 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	6.49	
28 46 31 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M	6.99	
28 46 31 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	7.61	
28 46 31 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	8.11	
28 46 31 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	75.37	
28 46 31 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	29.71	
28 46 31 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	9.98	
28 46 31 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	9.98	
28 46 31 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	11.10	
28 46 31 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	17.30	
28 46 31 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	17.97	
28 46 31 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.70	
28 46 31 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	2.32	
28 46 31 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	10.18	
28 46 41		**Fire-Alarm Notification Appliances** *(28 46)*		
28 46 41 11		**Audible Fire-Alarm Notification Appliances** *(28 46 41)*		
		See CSI section 28 46 13 31-0000 for fire alarm speakers.		
28 46 41 31		**Combination Fire-Alarm Notification Appliances** *(28 46 41)*		
		See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
28 47		**Mass Notification** *(28 40)*		
28 47 15		**Mass Notification Control Panels** *(28 47)*		
28 47 15 00-0001		Central Station Controls *(28 47 15)*		
28 47 15 00-0002	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747)	984.95	
28 47 15 00-0003	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969)	1,601.19	
28 47 15 00-0004	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010)	4,795.13	64.82
28 47 15 00-0005	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P)	1,464.46	32.42
28 47 15 00-0006	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)	5,591.29	129.66
28 47 15 00-0007	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)	814.63	32.42
28 47 15 00-0008	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO)	873.87	32.42
28 47 17		**Notification Devices and Methods** *(28 47)*		
28 47 17 17		**Notification Appliances and Methods Public Methods** *(28 47 17)*		
28 47 17 17-0001		Voice Capable Omni-Directional Speakers *(28 47 17 17)*		
28 47 17 17-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A)	13,832.95	827.56
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A)	16,887.97	863.54
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A)	19,905.17	899.51
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A)	22,922.38	935.49
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A)	26,015.18	971.47
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A)	31,187.35	1,007.45
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A)	34,242.35	1,043.43
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A)	37,914.86	1,079.41
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	40,932.06	1,115.39
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	43,987.06	1,151.38
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	30,053.16	1,007.45
28 47 17 17-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	32,011.78	1,043.43
28 47 17 17-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL)	544.22	32.42
28 47 17 17-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	2,232.38	32.42
28 47 17 17-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU)	2,232.38	32.42
28 47 17 17-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	2,018.15	32.42
28 47 17 17-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV)	1,955.14	32.42
28 47 17 17-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	503.03	32.42
28 47 17 17-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS)	643.76	32.42
28 47 17 17-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	668.93	32.42
28 47 17 17-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	3,179.34	32.42
28 47 17 17-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU)	2,446.62	32.42
28 47 17 17-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU)	2,446.62	32.42
28 47 17 17-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV)	2,446.62	32.42
28 47 17 17-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD)	873.87	32.42
28 47 17 17-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	606.35	32.42
28 47 17 17-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT)	413.79	32.42
28 47 17 17-0029	EA	Intrusion Alarm (Whelen INTRUWPS)	314.24	32.42
28 47 17 17-0030	EA	Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG)	218.53	
28 47 17 17-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	43.76	
28 47 17 17-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC)	170.65	32.42
28 47 17 17-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT)	1,145.73	48.62
28 47 17 17-0034	EA	WPS And OA Series, Rooftop Mounted (Whelen RTM)	10,840.97	791.57
28 47 17 17-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280) Note: Includes mounting bracket and regulator.	4,509.86	194.48
28 47 17 17-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	2,290.01	48.62
28 47 17 17-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB)	2,290.01	48.62
28 47 17 17-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC)	2,290.01	48.62
28 47 17 17-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG)	2,290.01	48.62
28 47 17 17-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR)	2,290.01	48.62
28 47 17 17-0041	EA	Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4)	815.77	48.62
28 47 17 17-0042	EA	Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4)	815.77	48.62
28 47 17 17-0043	EA	Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4)	815.77	48.62
28 47 17 17-0044	EA	Amber, 24 Volt DC, Strobe (Whelen ISB24A)	638.42	48.62
28 47 17 17-0045	EA	Blue, 24 Volt DC, Strobe (Whelen ISB24B)	638.42	48.62
28 47 17 17-0046	EA	Clear, 24 Volt DC, Strobe (Whelen ISB24C)	638.42	48.62
28 47 17 17-0047	EA	Green, 24 Volt DC, Strobe (Whelen ISB24G)	638.42	48.62
28 47 17 17-0048	EA	Red, 24 Volt DC, Strobe (Whelen ISB24R)	638.42	48.62
28 47 17 17-0049	EA	Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	887.74	32.42
28 47 17 17-0050	EA	Strobe Controller (Whelen STCTRL)	674.65	32.42
28 47 17 17-0051	EA	LED Controller (Whelen LEDCTRL)	674.65	32.42
28 47 17 17-0052	EA	Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL)	430.49	48.62
28 47 17 17-0053	EA	Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	570.53	
28 47 17 17-0054	EA	400 Watt Speaker Driver (Whelen SPKDRV)	935.52	32.42
28 47 17 17-0055	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	469.85	32.42
28 47 17 17-0056	EA	Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC)	170.65	32.42
28 47 17 17-0057	EA	Notifier/Whelen Interface Board (Whelen NAUXCS)	925.22	32.42

28 47 17 17-0058 Tone Only, Omni-Alert Sirens *(28 47 17 17)*

28 47 17 17-0059	EA	One Cell, Tone Only, Omni-Alert Siren (Whelen OA1) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	11,181.23	791.57
28 47 17 17-0060	EA	Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	13,958.97	827.56
28 47 17 17-0061	EA	Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	16,711.54	863.54
28 47 17 17-0062	EA	Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	19,527.10	899.51
28 47 17 17-0063	EA	One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN)	319.38	32.42
28 47 17 17-0064	EA	One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL)	544.22	32.42
28 47 17 17-0065	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV)	2,232.38	32.42
28 47 17 17-0066	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU)	2,232.38	32.42
28 47 17 17-0067	EA	UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU)	2,018.15	32.42
28 47 17 17-0068	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV)	1,955.14	32.42
28 47 17 17-0069	EA	One-Way Control Two-Tone Sequential Option (Whelen OTT)	438.96	32.42
28 47 17 17-0070	EA	Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS)	702.49	32.42
28 47 17 17-0071	EA	Two Way Landline Activation (Whelen OC2030LL)	730.21	32.42
28 47 17 17-0072	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV)	2,446.62	32.42
28 47 17 17-0073	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU)	2,446.62	32.42
28 47 17 17-0074	EA	UHF, 10 Digit DTMF (Whelen OC230WU)	2,446.62	32.42
28 47 17 17-0075	EA	VHF High Band, 10 Digit DTMF (Whelen OC230WV)	2,446.62	32.42
28 47 17 17-0076	EA	Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD)	873.87	32.42
28 47 17 17-0077	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT)	413.79	32.42
28 47 17 17-0078	EA	Cabinet Window LED Status Indicator (Whelen OSTATUS)	469.85	32.42
28 47 17 17-0079	EA	Intrusion Alarm (Whelen OINTRU)	252.46	32.42
28 47 17 17-0080	EA	80 Watt Solar Power Option (Whelen OSBC280)	4,509.86	194.48
28 47 17 17-0081	EA	One Pair Of Whelen Approved Batteries For Omnialert (Whelen BSETO)	953.06	48.62

28 47 17 17-0082 Tone-Only Rotating Directional Speakers *(28 47 17 17)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0083	EA	3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	23,174.42	935.49
28 47 17 17-0084	EA	4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	24,578.54	971.47
28 47 17 17-0085	EA	Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	295.94	32.42
28 47 17 17-0086	EA	Landline, 10 Digit DTMF (Whelen VD2030LL)	592.85	32.42
28 47 17 17-0087	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV)	2,232.38	32.42
28 47 17 17-0088	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU)	2,232.38	32.42
28 47 17 17-0089	EA	UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	2,018.15	32.42
28 47 17 17-0090	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	1,955.14	32.42
28 47 17 17-0091	EA	Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	438.96	32.42
28 47 17 17-0092	EA	Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	688.62	32.42
28 47 17 17-0093	EA	Landline, 10 Digit DTMF (Whelen VC2030LL)	730.21	32.42
28 47 17 17-0094	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV)	2,446.62	32.42
28 47 17 17-0095	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU)	2,446.62	32.42
28 47 17 17-0096	EA	UHF, 10 Digit DTMF (Whelen VC230WU)	2,446.62	32.42
28 47 17 17-0097	EA	VHF High Band, 10 Digit DTMF (Whelen VC230WV)	2,446.62	32.42
28 47 17 17-0098	EA	Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	873.87	32.42
28 47 17 17-0099	EA	Cabinet Window LED Status Indicator (Whelen VSTATUS)	510.93	32.42
28 47 17 17-0100	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	413.79	32.42
28 47 17 17-0101	EA	Vortex Intrusion Alarm (Whelen VINTRU)	252.46	32.42
28 47 17 17-0102	EA	Speaker Pole Top Bracket (Whelen VPTB)	702.49	32.42
28 47 17 17-0103	EA	80 Watt Solar Power Option (Whelen VSBC280)	4,509.86	194.48
28 47 17 17-0104	EA	One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	953.06	48.62
28 47 17 17-0105	EA	Program Charge For Custom VROM Message (Whelen VPROG)	3,714.05	

28 47 17 17-0106 Uni-Directional Rotating Speakers *(28 47 17 17)*

28 47 17 17-0107	EA	118 dB, Uni-Directional Rotating Speaker (Whelen HORNET)	14,790.71	827.56
28 47 17 17-0108	EA	One Way Contact Closure Activation Control Board (Whelen HAUXIN)	295.94	32.42
28 47 17 17-0109	EA	Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	592.85	32.42
28 47 17 17-0110	EA	VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	2,232.38	32.42
28 47 17 17-0111	EA	UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	2,232.38	32.42
28 47 17 17-0112	EA	UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU)	2,018.15	32.42
28 47 17 17-0113	EA	VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV)	1,955.14	32.42
28 47 17 17-0114	EA	Two-Tone Sequential Option For Hornet (Whelen HORTT)	476.91	32.42
28 47 17 17-0115	EA	Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS)	631.17	32.42
28 47 17 17-0116	EA	Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	668.93	32.42
28 47 17 17-0117	EA	VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	2,446.62	32.42
28 47 17 17-0118	EA	UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	2,446.62	32.42
28 47 17 17-0119	EA	UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	2,446.62	32.42
28 47 17 17-0120	EA	VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	2,446.62	32.42
28 47 17 17-0121	EA	Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD)	873.87	32.42
28 47 17 17-0122	EA	LED Status Indicator (Whelen HSTATUS)	469.85	32.42
28 47 17 17-0123	EA	Option For Paging Interface (Whelen HPGINT)	413.79	32.42
28 47 17 17-0124	EA	Intrusion Alarm (Whelen HINTRU)	252.46	32.42
28 47 17 17-0125	EA	Solar Power Option (Whelen HSBC280)	4,509.86	194.48
28 47 17 17-0126	EA	Pole Top Bracket For Speaker (Whelen HPTB)	665.50	32.42
28 47 17 17-0127	EA	One Pair Of Whelen Approved Batteries (Whelen BSETF)	953.06	48.62

28 47 17 17-0128 All Hazard In-Plant Personnel Warning System *(28 47 17 17)*

28 47 17 17-0129	EA	400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400)	7,417.80	1,037.25
28 47 17 17-0130	EA	800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800)	9,000.32	1,166.91
28 47 17 17-0131	EA	15 Watt, Wide Angle Speaker (Whelen WS15T)	421.03	48.62
28 47 17 17-0132	EA	Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	402.73	48.62
28 47 17 17-0133	EA	With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN)	768.86	48.62
28 47 17 17-0134	EA	30 Watt, Wide Angle Speaker (Whelen WS30T)	525.15	48.62
28 47 17 17-0135	EA	60 Watt, Wide Angle Speaker (Whelen WS60T)	1,060.61	48.62
28 47 17 17-0136	EA	Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T)	1,786.29	55.10
28 47 17 17-0137	EA	100 Watt, Wide Angle Speaker (Whelen WS100)	676.18	48.62
28 47 17 17-0138	EA	Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH)	1,055.28	55.10
28 47 17 17-0139	EA	Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU)	252.46	32.42

28 47 17 17-0140 Firehouse Siren *(28 47 17 17)*

28 47 17 17-0141	EA	Auxiliary Board Contact Closure (Whelen FAUXIN)	295.94	32.42
28 47 17 17-0142	EA	Two-Tone Sequential Option (Whelen FTT)	438.96	32.42
28 47 17 17-0143	EA	Auxiliary/Status Control Board (Whelen FAUXCS)	688.62	32.42
28 47 17 17-0144	EA	Landline, 10 Digit DTMF (Whelen FC2030LL)	668.93	32.42
28 47 17 17-0145	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV)	2,446.62	32.42
28 47 17 17-0146	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU)	2,446.62	32.42
28 47 17 17-0147	EA	UHF, 10 Digit DTMF (Whelen FC230WU)	2,446.62	32.42
28 47 17 17-0148	EA	VHF High Band, 10 Digit DTMF (Whelen FC230WV)	2,446.62	32.42
28 47 17 17-0149	EA	Paging Interface Control Option (Whelen FPGINT)	413.79	32.42
28 47 17 17-0150	EA	Intrusion Alarm Control Option (Whelen FINTRU)	252.46	32.42
28 47 17 17-0151	EA	Solar Power Option (Whelen FSBC280) Note: Two 80 watt panels, with brackets and solar regulator.	4,509.86	194.48

28 47 17 17-0152 Alert Monitor And Message Display *(28 47 17 17)*

28 47 17 17-0153	EA	Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H)	2,043.35	32.42
28 47 17 17-0154	EA	Alert Monitor VHF High-Narrow Band (Whelen V2000NH)	2,043.35	32.42
28 47 17 17-0155	EA	Alert Monitor UHF Narrow-Band (Whelen V2000NU)	2,043.35	32.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0156	EA	Alert Monitor With Radio Receiver UHF (Whelen V2000U)	2,043.35	32.42
28 47 17 17-0157	EA	Internal Battery And Charger For VA2000 Series (Whelen VA2BATT)	265.43	48.62
28 47 17 17-0158	EA	Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG)	77.41	32.42
28 47 17 17-0159	EA	Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA)	162.47	
28 47 17 17-0160	EA	Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB)	255.15	
28 47 17 17-0161		Portable Test Set *(28 47 17 17)*		
28 47 17 17-0162	EA	VHF High Band, Portable Test Set (Whelen PT2010H)	8,229.17	
28 47 17 17-0163	EA	VHF Low Band, Portable Test Set (Whelen PT2010L)	8,229.17	
28 47 17 17-0164	EA	UHF, Portable Test Set (Whelen PT2010U)	8,229.17	
28 47 17 17-0165		Replacement Warning Lights *(28 47 17 17)*		
28 47 17 17-0166	EA	Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA)	414.93	51.87
28 47 17 17-0167	EA	Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB)	414.93	51.87
28 47 17 17-0168	EA	Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC)	414.93	51.87
28 47 17 17-0169	EA	Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG)	414.93	51.87
28 47 17 17-0170	EA	Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR)	414.93	51.87
28 47 17 17-0171	EA	Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA)	445.82	51.87
28 47 17 17-0172	EA	Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB)	291.36	51.87
28 47 17 17-0173	EA	Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC)	441.24	51.87
28 47 17 17-0174	EA	Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG)	441.24	51.87
28 47 17 17-0175	EA	Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR)	441.24	51.87
28 47 17 17-0176	EA	Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA)	414.93	51.87
28 47 17 17-0177	EA	Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB)	414.93	51.87
28 47 17 17-0178	EA	Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC)	414.93	51.87
28 47 17 17-0179	EA	Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG)	414.93	51.87
28 47 17 17-0180	EA	Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR)	414.93	51.87
28 47 17 17-0181	EA	Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA)	464.13	51.87
28 47 17 17-0182	EA	Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB)	464.13	51.87
28 47 17 17-0183	EA	Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC)	302.80	51.87
28 47 17 17-0184	EA	Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG)	302.80	51.87
28 47 17 17-0185	EA	Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR)	302.80	51.87
28 47 17 17-0186		Antenna *(28 47 17 17)*		
28 47 17 17-0187	EA	50' Antenna Cable (Honeywell Ademco 7626-50HC)	318.12	
28 47 17 17-0188	EA	External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB)	286.50	
28 47 17 17-0189	EA	80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000)	15,558.06	

28 47 21 Mass Notification System Interfaces *(28 47)*

28 47 21 21 Notification Interfaces to Fire Detection and Alarm *(28 47 21)*

28 47 21 21-0001		Emergency Command Center (Honeywell Fire-Lite) *(28 47 21 21)*		
28 47 21 21-0002	EA	Emergency Command Center Multipurpose Emergency Voice Eevacuation Panels (Fire-Lite ECC-50/100(E))	2,754.99	324.14
28 47 21 21-0003	EA	Circuit Expander Module (Fire-Lite ECC_CE6)	535.50	25.93
28 47 21 21-0004	EA	25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V)	470.47	32.42
28 47 21 21-0005	EA	75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V)	485.11	32.42
28 47 21 21-0006	EA	70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V)	249.39	32.42
28 47 21 21-0007	EA	Local Operator Console (Fire-Lite ECC-LOC)	1,478.54	64.82
28 47 21 21-0008	EA	Remote Page Unit Hand Held Micorphone (Fire-Lite ECC-RPU)	1,171.15	16.20
28 47 21 21-0009	EA	Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA)	1,124.31	64.82
28 47 21 21-0010	EA	Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA)	1,938.35	64.82
28 47 21 21-0011	EA	Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA)	3,077.23	64.82
28 47 21 21-0012	EA	100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WBU)	1,508.08	32.42
28 47 21 21-0013	EA	Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4)	465.12	32.42
28 47 21 21-0014	EA	Addressable Mini-Monitor Module (Fire-Lite MMF-301)	108.56	32.42
28 47 21 21-0015	EA	Thumb Latch (Fire-Lite THUMBLTCH)	60.30	12.97
28 47 21 21-0016	EA	25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F)	842.95	12.97
28 47 21 21-0017	EA	Replacement Microphone (Fire-Lite ECC-MICROPHONE)	173.81	12.97
28 47 21 21-0018	EA	12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270)	322.52	32.42
28 47 21 21-0019	EA	12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120)	414.61	32.42
28 47 21 21-0020	EA	12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180)	307.57	32.42

28 49 Electronic Personal Protection Systems *(28 40)*

28 49 11 Electronic Personal Safety Detection Systems *(28 49)*

28 49 11 00-0001		Personnel Alarm Locating System *(28 49 11)* Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA	Personnel Alarm Locating System Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.	24,567.51	1,040.52
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	194.88	
28 49 11 00-0004	EA	Lapel Reader	74.96	
28 49 11 00-0005	EA	IR Locator	272.77	38.96
28 49 11 00-0006	EA	Repeaters And Receivers	664.47	129.86

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 11 00-0007			Identipass Card Access Control System *(28 49 11)* Note: Excludes wiring and programming.		
28 49 11 00-0008		EA	Indala Proximity Keytags (IDENT ASC-116)	9.40	
28 49 11 00-0009		EA	Indala Flexcard Proximity Card, 26bit (IDENT ASC-121T)	5.49	
28 49 11 00-0010		EA	Communications Converter (IDENT F55-485/conv)	614.11	32.42
28 49 11 00-0011		EA	4-Door Controller (IDENT F55-9CTLR/6)	4,607.80	259.32
28 49 11 00-0012		EA	User Interface (IDENT F55-IPASSU)	2,509.93	64.82
28 49 11 00-0013		EA	Network Interface (IDENT F55-NETLINK)	691.16	64.82
28 49 11 00-0014		EA	4-Reader Expansion Board (IDENT F55-RDR/EXPD)	1,810.35	32.42
28 49 11 00-0015		EA	Remote Input/Output Board (IDENT F55-RIO/BRD)	2,948.54	162.07
28 49 11 00-0016		EA	Proximity Card Reader (IDENT F55-L/F 26SB)	686.55	129.66
28 49 11 00-0017		EA	Slimline Flexpass Proximity Card Reader (IDENT F60-L/F26SB)	686.55	129.66
28 49 11 00-0018		EA	Proximity Card Reader (IDENT F60 L/F 28WB)	686.55	129.66

28 49 17 Electronic Personal Safety Emergency Aid Devices *(28 49)*

28 49 17 00-0001			Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 49 17)*		
28 49 17 00-0002			Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0003		EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	354.20	77.91
28 49 17 00-0004		EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	420.31	90.90
28 49 17 00-0005		EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	423.45	90.90
28 49 17 00-0006			Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0007		EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	260.91	48.69
28 49 17 00-0008		EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	254.32	38.96
28 49 17 00-0009		EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	117.48	38.96
28 49 17 00-0010		EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	205.73	38.96
28 49 17 00-0011		EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	237.29	38.96
28 49 17 00-0012		EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	270.03	38.96
28 49 17 00-0013		EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	375.29	38.96
28 49 17 00-0014		EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	420.58	38.96
28 49 17 00-0015			Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0016		EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	157.08	38.96
28 49 17 00-0017		EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	232.29	38.96
28 49 17 00-0018		EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	304.91	38.96
28 49 17 00-0019		EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	327.58	12.99
28 49 17 00-0020		EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	239.01	38.96
28 49 17 00-0021		EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	282.44	38.96
28 49 17 00-0022		EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	480.34	38.96
28 49 17 00-0023		EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	227.07	38.96
28 49 17 00-0024		EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	276.83	12.99
28 49 17 00-0025		EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	428.40	12.99
28 49 17 00-0026		EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	437.72	12.99
28 49 17 00-0027		EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	576.91	12.99

END OF SECTION 28

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 05 Common Work Results for Earthwork *(31)*

31 05 13 Soils for Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Bank Run/Fill Sand	34.98	
		For Up To 8, Add	*7.00*	
		For >8 To 16, Add	*3.50*	
		For >48 To 64, Deduct	*-2.62*	
		For >64 To 96, Deduct	*-4.37*	
		For >96 To 168, Deduct	*-6.12*	
		For >168 To 240, Deduct	*-7.43*	
		For >240, Deduct	*-8.74*	
31 05 13 00-0003	CY	Screened/Washed Filter/Septic Sand	41.02	
		For Up To 8, Add	*8.20*	
		For >8 To 16, Add	*4.10*	
		For >48 To 64, Deduct	*-2.92*	
		For >64 To 96, Deduct	*-4.98*	
		For >96 To 168, Deduct	*-7.03*	
		For >168 To 240, Deduct	*-8.49*	
		For >240, Deduct	*-9.95*	
31 05 13 00-0004	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	55.52	
		For Up To 8, Add	*11.10*	
		For >8 To 16, Add	*5.55*	
		For >48 To 64, Deduct	*-3.65*	
		For >64 To 96, Deduct	*-6.43*	
		For >96 To 168, Deduct	*-9.20*	
		For >168 To 240, Deduct	*-11.03*	
		For >240, Deduct	*-12.85*	
31 05 13 00-0005	CY	3/16" Minus, Screened/Washed Concrete Sand	50.08	
		For Up To 8, Add	*10.02*	
		For >8 To 16, Add	*5.01*	
		For >48 To 64, Deduct	*-3.38*	
		For >64 To 96, Deduct	*-5.88*	
		For >96 To 168, Deduct	*-8.39*	
		For >168 To 240, Deduct	*-10.07*	
		For >240, Deduct	*-11.76*	
31 05 13 00-0006	CY	3/32" Minus, Screened/Washed Masonry/Mortar Sand	87.52	
		For Up To 8, Add	*17.50*	
		For >8 To 16, Add	*8.75*	
		For >48 To 64, Deduct	*-5.25*	
		For >64 To 96, Deduct	*-9.63*	
		For >96 To 168, Deduct	*-14.00*	
		For >168 To 240, Deduct	*-16.63*	
		For >240, Deduct	*-19.25*	
31 05 13 00-0007	CY	Common Fill, Native Soil/Dirt	37.82	
		For Up To 8, Add	*7.56*	
		For >8 To 16, Add	*3.78*	
		For >48 To 64, Deduct	*-2.76*	
		For >64 To 96, Deduct	*-4.66*	
		For >96 To 168, Deduct	*-6.55*	
		For >168 To 240, Deduct	*-7.93*	
		For >240, Deduct	*-9.31*	
31 05 13 00-0008	CY	Crushed Lime Rock Maximum 3-1/2"	41.91	
		For Up To 8, Add	*8.38*	
		For >8 To 16, Add	*4.19*	
		For >48 To 64, Deduct	*-2.97*	
		For >64 To 96, Deduct	*-5.06*	
		For >96 To 168, Deduct	*-7.16*	
		For >168 To 240, Deduct	*-8.64*	
		For >240, Deduct	*-10.13*	
31 05 13 00-0009	CY	Asphalt Sand	35.29	
		For Up To 8, Add	*7.06*	
		For >8 To 16, Add	*3.53*	
		For >48 To 64, Deduct	*-2.64*	
		For >64 To 96, Deduct	*-4.40*	
		For >96 To 168, Deduct	*-6.17*	
		For >168 To 240, Deduct	*-7.49*	
		For >240, Deduct	*-8.81*	
31 05 13 00-0010	CY	Sand/Clay	36.52	
		For Up To 8, Add	*7.30*	
		For >8 To 16, Add	*3.65*	
		For >48 To 64, Deduct	*-2.70*	
		For >64 To 96, Deduct	*-4.53*	
		For >96 To 168, Deduct	*-6.35*	
		For >168 To 240, Deduct	*-7.70*	
		For >240, Deduct	*-9.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0011	CY	Recycled Concrete Aggregate	37.67	
		For Up To 8, Add	*7.53*	
		For >8 To 16, Add	*3.77*	
		For >48 To 64, Deduct	*-2.76*	
		For >64 To 96, Deduct	*-4.64*	
		For >96 To 168, Deduct	*-6.52*	
		For >168 To 240, Deduct	*-7.90*	
		For >240, Deduct	*-9.28*	
31 05 13 00-0012	CY	Sand Fill, Washed Aggregate	46.65	
		For Up To 8, Add	*9.33*	
		For >8 To 16, Add	*4.67*	
		For >48 To 64, Deduct	*-3.21*	
		For >64 To 96, Deduct	*-5.54*	
		For >96 To 168, Deduct	*-7.87*	
		For >168 To 240, Deduct	*-9.47*	
		For >240, Deduct	*-11.08*	
31 05 13 00-0013	CY	Pond Sand	25.77	
		For Up To 8, Add	*5.15*	
		For >8 To 16, Add	*2.58*	
		For >48 To 64, Deduct	*-2.16*	
		For >64 To 96, Deduct	*-3.45*	
		For >96 To 168, Deduct	*-4.74*	
		For >168 To 240, Deduct	*-5.82*	
		For >240, Deduct	*-6.90*	

31 05 16 Aggregates for Earthwork *(31 05)*

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0002	CY	#2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	55.81	
		For Up To 8, Add	*11.16*	
		For >8 To 16, Add	*5.58*	
		For >48 To 64, Deduct	*-3.66*	
		For >64 To 96, Deduct	*-6.45*	
		For >96 To 168, Deduct	*-9.25*	
		For >168 To 240, Deduct	*-11.08*	
		For >240, Deduct	*-12.91*	
31 05 16 00-0003	CY	#3 Stone Aggregate Fill (1" To 2" Clean)	58.06	
		For Up To 8, Add	*11.61*	
		For >8 To 16, Add	*5.81*	
		For >48 To 64, Deduct	*-3.78*	
		For >64 To 96, Deduct	*-6.68*	
		For >96 To 168, Deduct	*-9.58*	
		For >168 To 240, Deduct	*-11.47*	
		For >240, Deduct	*-13.36*	
31 05 16 00-0004	CY	#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	55.81	
		For Up To 8, Add	*11.16*	
		For >8 To 16, Add	*5.58*	
		For >48 To 64, Deduct	*-3.66*	
		For >64 To 96, Deduct	*-6.45*	
		For >96 To 168, Deduct	*-9.25*	
		For >168 To 240, Deduct	*-11.08*	
		For >240, Deduct	*-12.91*	
31 05 16 00-0005	CY	#5 Stone Aggregate Fill (1/2" To 1" Clean)	59.69	
		For Up To 8, Add	*11.94*	
		For >8 To 16, Add	*5.97*	
		For >48 To 64, Deduct	*-3.86*	
		For >64 To 96, Deduct	*-6.84*	
		For >96 To 168, Deduct	*-9.83*	
		For >168 To 240, Deduct	*-11.76*	
		For >240, Deduct	*-13.69*	
31 05 16 00-0006	CY	#6 Stone Aggregate Fill (3/8" To 3/4" Clean)	61.97	
		For Up To 8, Add	*12.39*	
		For >8 To 16, Add	*6.20*	
		For >48 To 64, Deduct	*-3.97*	
		For >64 To 96, Deduct	*-7.07*	
		For >96 To 168, Deduct	*-10.17*	
		For >168 To 240, Deduct	*-12.16*	
		For >240, Deduct	*-14.14*	
31 05 16 00-0007	CY	#56 Stone Aggregate Fill (3/8" To 1")	60.04	
		For Up To 8, Add	*12.01*	
		For >8 To 16, Add	*6.00*	
		For >48 To 64, Deduct	*-3.88*	
		For >64 To 96, Deduct	*-6.88*	
		For >96 To 168, Deduct	*-9.88*	
		For >168 To 240, Deduct	*-11.82*	
		For >240, Deduct	*-13.76*	
31 05 16 00-0008	CY	#57 Stone Aggregate Fill (3/8" To 1")	64.03	
		For Up To 8, Add	*12.81*	
		For >8 To 16, Add	*6.40*	
		For >48 To 64, Deduct	*-4.08*	
		For >64 To 96, Deduct	*-7.28*	
		For >96 To 168, Deduct	*-10.48*	
		For >168 To 240, Deduct	*-12.52*	
		For >240, Deduct	*-14.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0009	CY	#67 Or #68 Stone Aggregate Fill (3/16" To 3/4")	57.93	
		For Up To 8, Add	*11.59*	
		For >8 To 16, Add	*5.79*	
		For >48 To 64, Deduct	*-3.77*	
		For >64 To 96, Deduct	*-6.67*	
		For >96 To 168, Deduct	*-9.56*	
		For >168 To 240, Deduct	*-11.45*	
		For >240, Deduct	*-13.33*	
31 05 16 00-0010	CY	#7 Stone Aggregate Fill (3/8" To 1/2")	59.04	
		For Up To 8, Add	*11.81*	
		For >8 To 16, Add	*5.90*	
		For >48 To 64, Deduct	*-3.83*	
		For >64 To 96, Deduct	*-6.78*	
		For >96 To 168, Deduct	*-9.73*	
		For >168 To 240, Deduct	*-11.64*	
		For >240, Deduct	*-13.56*	
31 05 16 00-0011	CY	#78 Stone Aggregate Fill (3/32" To 1/2")	59.52	
		For Up To 8, Add	*11.90*	
		For >8 To 16, Add	*5.95*	
		For >48 To 64, Deduct	*-3.85*	
		For >64 To 96, Deduct	*-6.83*	
		For >96 To 168, Deduct	*-9.80*	
		For >168 To 240, Deduct	*-11.73*	
		For >240, Deduct	*-13.65*	
31 05 16 00-0012	CY	#8 Stone Aggregate Fill (3/32" To 3/8")	61.97	
		For Up To 8, Add	*12.39*	
		For >8 To 16, Add	*6.20*	
		For >48 To 64, Deduct	*-3.97*	
		For >64 To 96, Deduct	*-7.07*	
		For >96 To 168, Deduct	*-10.17*	
		For >168 To 240, Deduct	*-12.16*	
		For >240, Deduct	*-14.14*	
31 05 16 00-0013	CY	#89 Stone Aggregate Fill (1/16" To 3/8")	62.66	
		For Up To 8, Add	*12.53*	
		For >8 To 16, Add	*6.27*	
		For >48 To 64, Deduct	*-4.01*	
		For >64 To 96, Deduct	*-7.14*	
		For >96 To 168, Deduct	*-10.27*	
		For >168 To 240, Deduct	*-12.28*	
		For >240, Deduct	*-14.28*	
31 05 16 00-0014	CY	#9 Stone Aggregate Fill (3/32" To 3/16")	61.97	
		For Up To 8, Add	*12.39*	
		For >8 To 16, Add	*6.20*	
		For >48 To 64, Deduct	*-3.97*	
		For >64 To 96, Deduct	*-7.07*	
		For >96 To 168, Deduct	*-10.17*	
		For >168 To 240, Deduct	*-12.16*	
		For >240, Deduct	*-14.14*	
31 05 16 00-0015	CY	#10 Stone Aggregate Fill (1/16" To 3/16")	63.38	
		For Up To 8, Add	*12.68*	
		For >8 To 16, Add	*6.34*	
		For >48 To 64, Deduct	*-4.04*	
		For >64 To 96, Deduct	*-7.21*	
		For >96 To 168, Deduct	*-10.38*	
		For >168 To 240, Deduct	*-12.40*	
		For >240, Deduct	*-14.42*	
31 05 16 00-0016	CY	#610 Modified Stone Aggregate Fill (1/16" To 3/4")	62.66	
		For Up To 8, Add	*12.53*	
		For >8 To 16, Add	*6.27*	
		For >48 To 64, Deduct	*-4.01*	
		For >64 To 96, Deduct	*-7.14*	
		For >96 To 168, Deduct	*-10.27*	
		For >168 To 240, Deduct	*-12.28*	
		For >240, Deduct	*-14.28*	
31 05 16 00-0017	CY	Screenings Stone Aggregate Fill (3/16" Max)	52.66	
		For Up To 8, Add	*10.53*	
		For >8 To 16, Add	*5.27*	
		For >48 To 64, Deduct	*-3.51*	
		For >64 To 96, Deduct	*-6.14*	
		For >96 To 168, Deduct	*-8.77*	
		For >168 To 240, Deduct	*-10.53*	
		For >240, Deduct	*-12.28*	
31 05 16 00-0018	CY	Over 6" To 12" Stone Aggregate Fill, Random Size	57.18	
		For Up To 8, Add	*11.44*	
		For >8 To 16, Add	*5.72*	
		For >48 To 64, Deduct	*-3.73*	
		For >64 To 96, Deduct	*-6.59*	
		For >96 To 168, Deduct	*-9.45*	
		For >168 To 240, Deduct	*-11.32*	
		For >240, Deduct	*-13.18*	
31 05 16 00-0019	CY	Over 6" To 12" Graded Stone Aggregate Fill	57.18	
		For Up To 8, Add	*11.44*	
		For >8 To 16, Add	*5.72*	
		For >48 To 64, Deduct	*-3.73*	
		For >64 To 96, Deduct	*-6.59*	
		For >96 To 168, Deduct	*-9.45*	
		For >168 To 240, Deduct	*-11.32*	
		For >240, Deduct	*-13.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0020	CY	3" To 7" Surge Stone Aggregate Fill, Random Size	61.70	
		For Up To 8, Add	*12.34*	
		For >8 To 16, Add	*6.17*	
		For >48 To 64, Deduct	*-3.96*	
		For >64 To 96, Deduct	*-7.04*	
		For >96 To 168, Deduct	*-10.13*	
		For >168 To 240, Deduct	*-12.11*	
		For >240, Deduct	*-14.09*	
31 05 16 00-0021	CY	3" To 7" Surge Stone Graded Aggregate Fill	64.92	
		For Up To 8, Add	*12.98*	
		For >8 To 16, Add	*6.49*	
		For >48 To 64, Deduct	*-4.12*	
		For >64 To 96, Deduct	*-7.37*	
		For >96 To 168, Deduct	*-10.61*	
		For >168 To 240, Deduct	*-12.67*	
		For >240, Deduct	*-14.73*	
31 05 16 00-0022	CY	Crusher Run Aggregate Fill (2-1/2" Minus)	36.93	
		For Up To 8, Add	*7.39*	
		For >8 To 16, Add	*3.69*	
		For >48 To 64, Deduct	*-2.72*	
		For >64 To 96, Deduct	*-4.57*	
		For >96 To 168, Deduct	*-6.41*	
		For >168 To 240, Deduct	*-7.77*	
		For >240, Deduct	*-9.13*	
31 05 16 00-0023	CY	Crusher Run Aggregate Fill (1-1/2" Minus)	40.47	
		For Up To 8, Add	*8.09*	
		For >8 To 16, Add	*4.05*	
		For >48 To 64, Deduct	*-2.90*	
		For >64 To 96, Deduct	*-4.92*	
		For >96 To 168, Deduct	*-6.94*	
		For >168 To 240, Deduct	*-8.39*	
		For >240, Deduct	*-9.84*	
31 05 16 00-0024	CY	Crusher Run Aggregate Fill (3/4" Minus)	38.17	
		For Up To 8, Add	*7.63*	
		For >8 To 16, Add	*3.82*	
		For >48 To 64, Deduct	*-2.78*	
		For >64 To 96, Deduct	*-4.69*	
		For >96 To 168, Deduct	*-6.60*	
		For >168 To 240, Deduct	*-7.99*	
		For >240, Deduct	*-9.38*	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing and Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	7,825.87
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	2,332.93
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	10,434.49
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	3,888.21
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	14,347.43
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	5,832.31
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip Note: Includes grub and removal of stump	20,868.98
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter	8,165.24
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub	354.01
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub	737.76
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub	1,040.77
31 11 00 00-0013	ACR	Chipping - Light Brush	2,783.03
31 11 00 00-0014	ACR	Chipping - Medium Brush	3,578.35
31 11 00 00-0015	ACR	Chipping - Heavy Brush	5,010.16

31 11 00 00-0016 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0039 for hauling.

31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material	12.44
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material	14.93
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material	41.99
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	32.99

31 13 Selective Tree and Shrub Removal and Trimming *(31 10)*

31 13 13 Selective Tree and Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	652.16	
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	978.23	
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,304.31	
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,956.47	
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	2,608.62	

31 13 13 00-0007 Stump Removal *(31 13 13)*

Note: Measured by diameter of stump.

31 13 13 00-0008 Stump Removal By Machine *(31 13 13 00-0007)*

31 13 13 00-0009	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	116.65	
31 13 13 00-0010	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	223.57	
31 13 13 00-0011	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	291.61	
31 13 13 00-0012	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	437.43	
31 13 13 00-0013	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	515.22	

31 13 13 00-0014 Stump Removal By Hand *(31 13 13 00-0007)*

31 13 13 00-0015	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	679.62	
31 13 13 00-0016	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	849.52	
31 13 13 00-0017	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,245.96	
31 13 13 00-0018	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,699.03	
31 13 13 00-0019	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,265.38	

31 13 13 00-0020 Stump Grinding *(31 13 13)*

Note: Measured by diameter of stump.

31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil *(31 13 13 00-0020)*

Note: Level soil to match existing surface area.

31 13 13 00-0022	EA	Stump Grinding Up To 6" Tree	127.18	
		For 24" Depth, Add		*25.44*
31 13 13 00-0023	EA	Stump Grinding >6" To 12" Tree	158.98	
		For 24" Depth, Add		*31.80*
31 13 13 00-0024	EA	Stump Grinding >12" To 15" Tree	190.78	
		For 24" Depth, Add		*38.16*
31 13 13 00-0025	EA	Stump Grinding >15" To 18" Tree	211.97	
		For 24" Depth, Add		*42.39*
31 13 13 00-0026	EA	Stump Grinding >18" To 21" Tree	227.87	
		For 24" Depth, Add		*45.57*
31 13 13 00-0027	EA	Stump Grinding >21" To 24" Tree	243.77	
		For 24" Depth, Add		*48.75*
31 13 13 00-0028	EA	Stump Grinding >24" To 27" Tree	264.97	
		For 24" Depth, Add		*52.99*
31 13 13 00-0029	EA	Stump Grinding >27" To 30" Tree	289.11	
		For 24" Depth, Add		*57.82*
31 13 13 00-0030	EA	Stump Grinding >30" To 33" Tree	321.23	
		For 24" Depth, Add		*64.25*
31 13 13 00-0031	EA	Stump Grinding >33" To 36" Tree	353.35	
		For 24" Depth, Add		*70.67*
31 13 13 00-0032	EA	Stump Grinding >36" To 42" Tree	385.47	
		For 24" Depth, Add		*77.09*
31 13 13 00-0033	EA	Stump Grinding >42" To 48" Tree	428.30	
		For 24" Depth, Add		*85.66*
31 13 13 00-0034	EA	Stump Grinding >48" To 60" Tree	535.38	
		For 24" Depth, Add		*107.08*
		For >10, Deduct		*-66.92*
31 13 13 00-0035	EA	Stump Grinding >60" To 72" Tree	669.22	
		For 24" Depth, Add		*133.84*
		For >10, Deduct		*-83.65*
31 13 13 00-0036	EA	Stump Grinding >72" To 84" Tree	856.61	
		For 24" Depth, Add		*171.32*
		For >10, Deduct		*-107.08*

31 13 13 00-0037 Shrub Removal *(31 13 13)*

31 13 13 00-0038	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	50.36	
31 13 13 00-0039	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	78.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0040	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	91.56	
31 13 13 00-0041	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	137.34	
31 13 13 00-0042	EA	Removal Of 12" To 15" Shrub, Deciduous	25.18	
31 13 13 00-0043	EA	Removal Of 18" To 24" Shrub, Deciduous	38.92	
31 13 13 00-0044	EA	Removal Of 2' To 3' Shrub, Deciduous	50.36	
31 13 13 00-0045	EA	Removal Of 3' To 4' Shrub, Deciduous	54.94	
31 13 13 00-0046	EA	Removal Of 18" To 24" Shrub, Evergreen	50.36	
31 13 13 00-0047	EA	Removal Of 24" To 30" Shrub, Evergreen	54.94	
31 13 13 00-0048	EA	Removal Of 30" To 36" Shrub, Evergreen	78.98	
31 13 13 00-0049	EA	Removal Of 36" To 42" Shrub, Evergreen	137.34	

31 13 13 00-0050 Fallen Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

31 13 13 00-0051	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	521.73	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-130.43*	
		For >25, Deduct	*-65.22*	
31 13 13 00-0052	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	782.59	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-195.65*	
		For >25, Deduct	*-97.82*	
31 13 13 00-0053	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,043.45	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-260.86*	
		For >10, Deduct	*-104.35*	
31 13 13 00-0054	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,565.18	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-391.30*	
		For >10, Deduct	*-156.52*	
31 13 13 00-0055	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,086.90	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-521.73*	
		For >10, Deduct	*-208.69*	
31 13 13 00-0056	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,608.62	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-652.16*	
		For >10, Deduct	*-260.86*	

31 13 16 Selective Tree and Shrub Trimming *(31 13)*

See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.11	
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	3.17	
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	3.72	

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure *(31 13 16)*

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

31 13 16 00-0006	EA	Trim Tree Branch Minimum Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	766.71	
31 13 16 00-0007	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	19.16	
31 13 16 00-0008	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	21.57	
31 13 16 00-0009	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	26.36	
31 13 16 00-0010	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	23.96	
31 13 16 00-0011	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	26.95	
31 13 16 00-0012	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	32.95	

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less that 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 22 Grading *(31 20)*

31 22 13 Rough Grading *(31 22)*

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading *(31 22)*

31 22 16 13 Roadway Subgrade Reshaping *(31 22 16)*

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading *(31 22)*

31 22 19 13 Spreading and Grading Topsoil *(31 22 19)*

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs *(31 22 19 13)*
Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading *(31 22 19 13-0001)*

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.15
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	1.05
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.09
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.92

31 22 19 13-0007 Machine Operations *(31 22 19 13-0001)*

31 22 19 13-0008 Machine Operations With Grader *(31 22 19 13-0007)*

31 22 19 13-0009	CSY	Semi-Grade, 2 Passes With Grader	454.80
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	631.67

31 23 Excavation and Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	12.09
		For Excavation In Light Material (Class A), Deduct	*-1.51*
		For Excavation In Heavy/Wet Material (Class C), Add	*4.84*
		For Up To 20, Add	*12.09*
		For >20 To 50, Add	*9.07*
		For >50 To 250, Add	*4.84*
		For >250 To 500, Add	*1.81*
		For >1,000, Deduct	*-1.81*
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	7.79
		For Excavation In Light Material (Class A), Deduct	*-0.97*
		For Excavation In Heavy/Wet Material (Class C), Add	*3.12*
		For Up To 20, Add	*7.79*
		For >20 To 50, Add	*5.84*
		For >50 To 250, Add	*3.12*
		For >250 To 500, Add	*1.17*
		For >1,000, Deduct	*-1.17*
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	20.01
		For Up To 20, Add	*20.01*
		For >20 To 50, Add	*15.01*
		For >50 To 250, Add	*8.00*
		For >250 To 500, Add	*3.00*
		For >1,000, Deduct	*-3.00*
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	13.84
		For Up To 20, Add	*13.84*
		For >20 To 50, Add	*10.38*
		For >50 To 250, Add	*5.54*
		For >250 To 500, Add	*2.08*
		For >1,000, Deduct	*-2.08*

31 23 16 13-0006 Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*
Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0007	LF	Direct Burial of Cable or Piping up to 12" Deep	2.69
31 23 16 13-0008	LF	Direct Burial of Cable or Piping >12" to 24" Deep	2.96
31 23 16 13-0009	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.21
31 23 16 13-0010	LF	Direct Burial of Cable or Piping >36" to 48" Deep	4.75

31 23 16 13-0011 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0012	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	138.56
31 23 16 13-0013	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	237.68
31 23 16 13-0014	SF	Trim Bottom Of Excavation Hand Labor Note: For use with machine excavation.	1.08
31 23 16 13-0015	SF	Trim Slopes/Sides Of Excavation Hand Labor Note: For use with machine excavation.	1.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 13-0016 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*

Note: With imported or stockpiled materials.

31 23 16 13-0017	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.43	
		For Up To 20, Add	*4.43*	
		For >20 To 50, Add	*3.32*	
		For >50 To 250, Add	*1.77*	
		For >250 To 500, Add	*0.66*	
		For >1,000, Deduct	*-0.66*	
31 23 16 13-0018	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	38.49	

31 23 16 13-0019 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

31 23 16 13-0020	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	8.04	
		For Up To 20, Add	*8.04*	
		For >20 To 50, Add	*6.03*	
		For >50 To 250, Add	*3.22*	
		For >250 To 500, Add	*1.21*	
		For >1,000, Deduct	*-1.21*	
31 23 16 13-0021	CY	Compaction of Fill or Subbase for Trenches by Hand	43.42	

31 23 16 13-0022 Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*

Note: Includes handwork by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 13-0023	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	7.70	
		For Up To 20, Add	*7.70*	
		For >20 To 50, Add	*5.78*	
		For >50 To 250, Add	*3.08*	
		For >250 To 500, Add	*1.16*	
		For >1,000, Deduct	*-1.16*	
31 23 16 13-0024	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	101.60	

31 23 16 13-0025 Spread Excess Or Imported Material For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for clean-up.

31 23 16 13-0026	CY	Spread Excess Or Imported Material On Site With Machine	3.69	
		For Up To 20, Add	*3.69*	
		For >20 To 50, Add	*2.77*	
		For >50 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.55*	
		For >1,000, Deduct	*-0.55*	

31 23 16 13-0027 Utility Chain Trencher *(31 23 16 13)*

31 23 16 13-0028 Utility Trench, Chain Trencher *(31 23 16 13-0027)*

Note: Earth left adjacent to trench.

31 23 16 13-0029	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.51	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.45*	
31 23 16 13-0030	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.65	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.50*	
31 23 16 13-0031	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.71	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.26*	
		For >500, Deduct	*-0.51*	
31 23 16 13-0032	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.81	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.54*	
31 23 16 13-0033	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.98	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.30*	
		For >500, Deduct	*-0.59*	
31 23 16 13-0034	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.26	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.68*	
31 23 16 13-0035	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.71	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.81*	
31 23 16 13-0036	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.56	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.77*	
31 23 16 13-0037	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	3.01	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0038	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.42	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-1.03*	
31 23 16 13-0039	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	4.06	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-1.22*	

31 23 16 13-0040 Backfill Trenches With Compaction *(31 23 16 13-0027)*

31 23 16 13-0041	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.23	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.03*	
		For >500, Deduct	*-0.07*	
31 23 16 13-0042	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.37	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.06*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0043	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.48	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0044	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.37	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.06*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0045	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.48	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0046	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.74	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.22*	
31 23 16 13-0047	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	1.05	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.16*	
		For >500, Deduct	*-0.32*	
31 23 16 13-0048	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.48	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0049	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.74	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.22*	
31 23 16 13-0050	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.98	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.15*	
		For >500, Deduct	*-0.29*	
31 23 16 13-0051	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	1.46	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.22*	
		For >500, Deduct	*-0.44*	

31 23 16 16 Structural Excavation for Minor Structures *(31 23 16)*

31 23 16 16-0001 Post Holes *(31 23 16 16)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil *(31 23 16 16-0001)*

Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.14
31 23 16 16-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	11.41
31 23 16 16-0005	VLF	3" Diameter Hole, Auger By Machine Post Hole In Soil	13.52
31 23 16 16-0006	VLF	4" Diameter Hole, Auger By Machine Post Hole In Soil	15.21
31 23 16 16-0007	VLF	6" Diameter Hole, Auger By Machine Post Hole In Soil	16.60
31 23 16 16-0008	VLF	8" Diameter Hole, Auger By Machine Post Hole In Soil	18.26
31 23 16 16-0009	VLF	10" Diameter Hole, Auger By Machine Post Hole In Soil	20.29
31 23 16 16-0010	VLF	12" Diameter Hole, Auger By Machine Post Hole In Soil	22.82
31 23 16 16-0011	VLF	18" Diameter Hole, Auger By Machine Post Hole In Soil	26.08
31 23 16 16-0012	VLF	24" Diameter Hole, Auger By Machine Post Hole In Soil	30.43
31 23 16 16-0013	VLF	30" Diameter Hole, Auger By Machine Post Hole In Soil	36.52
31 23 16 16-0014	VLF	36" Diameter Hole, Auger By Machine Post Hole In Soil	45.65

31 23 16 16-0015 Drilling Post Hole In Rock *(31 23 16 16-0001)*

31 23 16 16-0016	CF	Jackhammer Post Hole, Rock	77.61
31 23 16 16-0017	CF	Rock Drill Post Hole, Rock	21.21

31 23 16 16-0018 Post Hole Fill *(31 23 16 16-0001)*

31 23 16 16-0019 Concrete Fill *(31 23 16 16-0018)*

31 23 16 16-0020	VLF	Concrete Fill, Up To 2-1/2" Diameter Hole	6.28
31 23 16 16-0021	VLF	Concrete Fill, 2-1/2" Diameter Hole	8.06
31 23 16 16-0022	VLF	Concrete Fill, 3" Diameter Hole	8.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 16-0023	VLF	Concrete Fill, 4" Diameter Hole	10.27	
31 23 16 16-0024	VLF	Concrete Fill, 6" Diameter Hole	14.51	
31 23 16 16-0025	VLF	Concrete Fill, 8" Diameter Hole	19.38	
31 23 16 16-0026	VLF	Concrete Fill, 10" Diameter Hole	23.72	
31 23 16 16-0027	VLF	Concrete Fill, 12" Diameter Hole	27.68	
31 23 16 16-0028	VLF	Concrete Fill, 18" Diameter Hole	37.86	
31 23 16 16-0029	VLF	Concrete Fill, 24" Diameter Hole	47.11	
31 23 16 16-0030	VLF	Concrete Fill, 30" Diameter Hole	56.14	
31 23 16 16-0031	VLF	Concrete Fill, 36" Diameter Hole	65.54	

31 23 16 16-0032 Grout Fill *(31 23 16 16-0018)*

31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	7.41	
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	9.53	
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	10.40	
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	11.74	
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	16.43	
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	21.93	
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	26.74	
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	31.06	
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	41.69	
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	51.09	
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	60.21	
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	69.57	

31 23 16 16-0045 Earth Fill, Compacted *(31 23 16 16-0018)*

31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	5.14	
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	6.69	
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole	7.00	
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole	7.20	
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole	9.62	
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole	12.83	
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole	15.40	
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole	17.45	
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole	21.27	
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole	23.87	
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole	26.18	
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole	28.23	

31 23 16 26 Rock Removal *(31 23 16)*

31 23 16 26-0001 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	29.68	
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	31.67	
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	37.60	

31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.

31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	11.57	
		For Excavation In Light Material (Class A), Deduct		*-1.45*
		For Excavation In Heavy/Wet Material (Class C), Add		*4.63*
		For >1,000, Deduct		*-1.74*
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	6.29	
		For Excavation In Light Material (Class A), Deduct		*-0.79*
		For Excavation In Heavy/Wet Material (Class C), Add		*2.52*
		For >1,000, Deduct		*-0.94*
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	14.24	
		Note: Includes compacted aggregate		
		For >1,000, Deduct		*-2.14*
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	7.74	
		Note: Includes compacted aggregate		
		For >1,000, Deduct		*-1.16*

31 23 16 33-0006 Spreading, Shaping And Rough Grading *(31 23 16 33)*

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	7.14	
		For >1,000, Deduct		*-1.07*

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	7.94	
		For >1,000, Deduct		*-1.19*

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	6.35	
		For >1,000, Deduct		*-0.95*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	9.52	
		For >1,000, Deduct	*-1.43*	
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	14.29	
		For >1,000, Deduct	*-2.14*	
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	19.05	
		For >1,000, Deduct	*-2.86*	

31 23 16 33-0015 Finish Grading For Bulk Excavation *(31 23 16 33)*

31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.79	

31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)*

Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.

31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.80	

31 23 16 33-0019 Loading Excess Material For Removal From Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes handwork by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	6.33	
		For >1,000, Deduct	*-0.95*	

31 23 16 36 Excavation for Building Foundations and Other Structures *(31 23 16)*

Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.

31 23 16 36-0001 Excavation *(31 23 16 36)*

Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.

31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader *(31 23 16 36-0001)*

31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	10.32	
		For Excavation In Light Material (Class A), Deduct	*-1.29*	
		For Excavation In Heavy/Wet Material (Class C), Add	*4.13*	
		For Up To 20, Add	*10.32*	
		For >20 To 50, Add	*7.74*	
		For >50 To 250, Add	*4.13*	
		For >250 To 500, Add	*1.55*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock Note: Includes compacted aggregate	12.82	
		For Up To 20, Add	*12.82*	
		For >20 To 50, Add	*9.62*	
		For >50 To 250, Add	*5.13*	
		For >250 To 500, Add	*1.92*	

31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader *(31 23 16 36-0001)*

31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	7.55	
		For Excavation In Light Material (Class A), Deduct	*-0.94*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.02*	
		For Up To 20, Add	*7.55*	
		For >20 To 50, Add	*5.66*	
		For >50 To 250, Add	*3.02*	
		For >250 To 500, Add	*1.13*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock Note: Includes compacted aggregate	8.99	
		For Up To 20, Add	*8.99*	
		For >20 To 50, Add	*6.74*	
		For >50 To 250, Add	*3.60*	
		For >250 To 500, Add	*1.35*	

31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand *(31 23 16 36-0001)*

Note: For areas not accessible by machine and only with owner's approval.

31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	138.56	
		For Excavation In Light Material (Class A), Deduct	*-17.32*	
		For Excavation In Heavy/Wet Material (Class C), Add	*55.42*	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock Note: Includes compacted aggregate	237.68	

31 23 16 36-0011 Relocating On Site Excavated Stockpiled Material From Excavation *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0012	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300'	6.35	
		For Up To 20, Add	*6.35*	
		For >20 To 50, Add	*4.76*	
		For >50 To 250, Add	*2.54*	
		For >250 To 500, Add	*0.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	9.52	
		For Up To 20, Add	*9.52*	
		For >20 To 50, Add	*7.14*	
		For >50 To 250, Add	*3.81*	
		For >250 To 500, Add	*1.43*	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	14.29	
		For Up To 20, Add	*14.29*	
		For >20 To 50, Add	*10.72*	
		For >50 To 250, Add	*5.72*	
		For >250 To 500, Add	*2.14*	
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	19.05	
		For Up To 20, Add	*19.05*	
		For >20 To 50, Add	*14.29*	
		For >50 To 250, Add	*7.62*	
		For >250 To 500, Add	*2.86*	

31 23 16 36-0016 Backfilling *(31 23 16 36)*

Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.

31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	5.09	
		For Up To 20, Add	*5.09*	
		For >20 To 50, Add	*3.82*	
		For >50 To 250, Add	*2.04*	
		For >250 To 500, Add	*0.76*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.85	
		For Up To 20, Add	*5.85*	
		For >20 To 50, Add	*4.39*	
		For >50 To 250, Add	*2.34*	
		For >250 To 500, Add	*0.88*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	65.98	

31 23 16 36-0020 Compaction Of Fill Or Subbase *(31 23 16 36)*

Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.

31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	12.74	
		For Up To 20, Add	*12.74*	
		For >20 To 50, Add	*9.56*	
		For >50 To 250, Add	*5.10*	
		For >250 To 500, Add	*1.91*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	43.41	

31 23 16 36-0023 Grading For Building Foundations And Other Structures *(31 23 16 36)*

31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.37	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.21	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	12.83	

31 23 16 36-0027 Loading Excess Material For Removal From Excavation *(31 23 16 36)*

Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	6.60	
		For Up To 20, Add	*6.60*	
		For >20 To 50, Add	*4.95*	
		For >50 To 250, Add	*2.64*	
		For >250 To 500, Add	*0.99*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	101.60	

31 23 16 36-0030 Spread Excess Or Imported Material And Grade On Site *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0031	CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	3.69	
		For Up To 20, Add	*3.69*	
		For >20 To 50, Add	*2.77*	
		For >50 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.55*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	56.07	

31 23 19 Dewatering *(31 23)*

31 23 19 00-0001 Well Point Dewatering System *(31 23 19)*

31 23 19 00-0002 Delivery, Installation And Removal Cost *(31 23 19 00-0001)*

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	143.07
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	78.69
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	71.54
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	64.38
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	57.23
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	50.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 19 00-0009 **Well Point Dewatering System Rental** *(31 23 19 00-0001)*

Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.

31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	2.28	
		For >5 Days And <1 Month, Deduct	*-0.50*	
		For >1 Month, Deduct	*-0.64*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.33	
		For >5 Days And <1 Month, Deduct	*-0.29*	
		For >1 Month, Deduct	*-0.37*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.95	
		For >5 Days And <1 Month, Deduct	*-0.21*	
		For >1 Month, Deduct	*-0.27*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.70	
		For >5 Days And <1 Month, Deduct	*-0.15*	
		For >1 Month, Deduct	*-0.20*	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.63	
		For >5 Days And <1 Month, Deduct	*-0.14*	
		For >1 Month, Deduct	*-0.18*	

31 23 19 00-0015 **Well Point Dewatering System Operation Costs** *(31 23 19 00-0001)*

Note: The quantity for operation shall be the total number of hours the well point system is operational.

31 23 19 00-0016	HR	Operation Costs	131.24	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001 **Compaction Water, Water Truck And Operator** *(31 23 23 23)*

31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	292.56	

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001 **Flowable Fill (Fly Ash) Cement Backfill For Trenches** *(31 23 23 33)*

Note: Includes compaction and restoration of final grade.

31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches	150.38	
		For Up To 20, Add	*61.66*	
		For >20 To 50, Add	*40.01*	
		For >50 To 250, Add	*20.00*	
		For >500 To 1,000, Deduct	*-10.83*	
		For >1,000, Deduct	*-21.66*	

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001 **Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** *(31 24 13)*

Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.

31 24 13 00-0002 **Cutting, Shaping And Rough Grading** *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

31 24 13 00-0003 **Cutting, Shaping, And Rough Grading** *(31 24 13 00-0002)*

31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	7.94	
		For Up To 20, Add	*7.94*	
		For >20 To 50, Add	*5.96*	
		For >50 To 250, Add	*3.18*	
		For >250 To 500, Add	*1.19*	
		For >1,000, Deduct	*-1.19*	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock Note: Includes compacted aggregate	9.84	
		For Up To 20, Add	*9.84*	
		For >20 To 50, Add	*7.38*	
		For >50 To 250, Add	*3.94*	
		For >250 To 500, Add	*1.48*	
		For >1,000, Deduct	*-1.48*	

31 24 13 00-0006 **Cutting, Shaping, And Rough Grading By Hand** *(31 24 13 00-0002)*

31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	7.10	
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	9.24	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 24 13 00-0009 Scarify Soil *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	7.35	
		For Up To 20, Add	*3.68*	
		For >20 To 50, Add	*1.84*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.47*	

31 24 13 00-0011 Relocating On Site Excavated Material *(31 24 13 00-0001)*

31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	14.29	
		For Up To 20, Add	*14.29*	
		For >20 To 50, Add	*10.72*	
		For >50 To 250, Add	*5.72*	
		For >250 To 500, Add	*2.14*	
		For >1,000, Deduct	*-2.14*	
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	19.05	
		For Up To 20, Add	*19.05*	
		For >20 To 50, Add	*14.29*	
		For >50 To 250, Add	*7.62*	
		For >250 To 500, Add	*2.86*	
		For >1,000, Deduct	*-2.86*	

31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.

31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	8.73	
		For Up To 20, Add	*8.73*	
		For >20 To 50, Add	*6.55*	
		For >50 To 250, Add	*3.49*	
		For >250 To 500, Add	*1.31*	
		For >1,000, Deduct	*-1.31*	

31 24 13 00-0016 Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.86
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.15
31 24 13 00-0019	LF	Finish Grade For Curb	1.29
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.58

31 24 13 00-0021 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.80	
		For Up To 250, Add	*0.80*	
		For >250 To 500, Add	*0.60*	
		For >500 To 1,000, Add	*0.32*	
		For >5,000, Deduct	*-0.12*	

31 24 13 00-0023 Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for clean-up.

31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	6.33	
		For Up To 20, Add	*6.33*	
		For >20 To 50, Add	*4.75*	
		For >50 To 250, Add	*2.53*	
		For >250 To 500, Add	*0.95*	
		For >1,000, Deduct	*-0.95*	

31 25 Erosion and Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures for Erosion and Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	65.42
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	60.03
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	55.46
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	52.85

31 25 14 16 Rolled Erosion Control Mats and Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket	3.30

Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	4.28	
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	3.13	
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.30	
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	2.92	

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	4.26	
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	5.79	
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.54	
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	3.71	
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	3.97	

31 25 14 16-0014 Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*

Note: Permanent, UV stabilized.

31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat. Note: 100% synthetic, UV stabilized, two layer netting.	15.01	
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	13.80	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	17.70	

31 25 14 16-0018 Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*

31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	4.83	

31 25 14 16-0020 Revegetation Mat *(31 25 14 16-0001)*

31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.72	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.79	

31 25 14 23 Stabilization Measures for Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 25 14 23-0001 Floating Turbidity Curtain *(31 25 14 23)*

Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb/ft. buoyancy in fresh water and 14.4 lb/ft buoyancy in saltwater.

31 25 14 23-0002	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	27.75	
		For Type 1, Deduct	*-4.23*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.58*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.13*	
31 25 14 23-0003	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	30.07	
		For Type 1, Deduct	*-4.66*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.84*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.44*	
31 25 14 23-0004	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	33.26	
		For Type 1, Deduct	*-5.28*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.21*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.90*	
31 25 14 23-0005	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	35.98	
		For Type 1, Deduct	*-5.79*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.52*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.28*	
31 25 14 23-0006	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	37.75	
		For Type 1, Deduct	*-6.07*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.69*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.49*	
31 25 14 23-0007	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	39.54	
		For Type 1, Deduct	*-6.35*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.87*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.70*	
31 25 14 23-0008	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	41.62	
		For Type 1, Deduct	*-6.69*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.07*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.95*	
31 25 14 23-0009	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	44.45	
		For Type 1, Deduct	*-7.20*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.38*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0010	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	46.71	
		For Type 1, Deduct	*-7.57*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.61*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.59*	
31 25 14 23-0011	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	49.72	
		For Type 1, Deduct	*-8.10*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.93*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.99*	
31 25 14 23-0012	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	52.54	
		For Type 1, Deduct	*-8.58*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.22*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.34*	
31 25 14 23-0013	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	55.27	
		For Type 1, Deduct	*-9.03*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.50*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.68*	
31 25 14 23-0014	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	60.12	
		For Type 1, Deduct	*-9.97*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.07*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.37*	
31 25 14 23-0015	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	63.05	
		For Type 1, Deduct	*-10.45*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.36*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.72*	
31 25 14 23-0016	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	65.89	
		For Type 1, Deduct	*-10.90*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.63*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.05*	
31 25 14 23-0017	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	68.90	
		For Type 1, Deduct	*-11.38*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.93*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.41*	
31 25 14 23-0018	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	71.83	
		For Type 1, Deduct	*-11.83*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.20*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.74*	

31 25 14 23-0019 Turbidity Curtain Anchors *(31 25 14 23)*

31 25 14 23-0020	EA	14 Lb., Turbidity Curtain Anchor System	737.42	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0021	EA	25 Lb., Turbidity Curtain Anchor System	1,009.95	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0022	EA	40 Lb., Turbidity Curtain Anchor System	1,283.66	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0023	EA	65 Lb., Turbidity Curtain Anchor System	1,677.86	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		

31 25 14 23-0024 Sand Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0025	BAG	50 Lb. Capacity Sand Bag With Sand	6.89	2.92
		For >2,500 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-1.27*	
31 25 14 23-0026	BAG	75 Lb. Capacity Sand Bag With Sand	8.88	3.63
		For >2,500 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.61*	
31 25 14 23-0027	BAG	100 Lb. Capacity Sand Bag With Sand	11.21	4.34
		For >2,500 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.99*	
31 25 14 23-0028	BAG	125 Lb. Capacity Sand Bag With Sand	13.78	5.42
		For >2,500 To 5,000, Deduct	*-1.09*	
		For >5,000, Deduct	*-2.46*	
31 25 14 23-0029	BAG	150 Lb. Capacity Sand Bag With Sand	16.78	6.50
		For >2,500 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-2.98*	
31 25 14 23-0030	BAG	175 Lb. Capacity Sand Bag With Sand	19.57	7.40
		For >2,500 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-3.44*	
31 25 14 23-0031	BAG	2,000 Lb. Capacity Sand Bag With Sand	158.81	51.87
		For >2,500 To 5,000, Deduct	*-9.67*	
		For >5,000, Deduct	*-25.55*	
31 25 14 23-0032	BAG	3,000 Lb. Capacity Sand Bag With Sand	203.99	57.06
		For >2,500 To 5,000, Deduct	*-10.63*	
		For >5,000, Deduct	*-31.03*	

31 25 14 23-0033 Gravel Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0034	BAG	30 Lb. Capacity Gravel Bag With Gravel	6.53	1.94
		For >2,500 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-1.04*	
31 25 14 23-0035	BAG	50 Lb. Capacity Gravel Bag With Gravel	11.78	2.92
		For >2,500 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-1.76*	

31 25 14 23-0036 Filter Bags *(31 25 14 23)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 25 14 23-0037 Non-Woven Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	257.44	
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	372.53	
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	428.28	

31 25 14 23-0041 Monofilament Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	267.67	
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	370.61	

31 25 14 23-0044 Cable Articulating Concrete Block *(31 25 14 23)*

Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	42.49	
		For >500 To 1,000, Add	*5.43*	
		For Up To 500, Add	*9.68*	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	48.38	
		For >500 To 1,000, Add	*6.13*	
		For Up To 500, Add	*10.97*	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	55.16	
		For >500 To 1,000, Add	*6.93*	
		For Up To 500, Add	*12.45*	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	62.13	
		For >500 To 1,000, Add	*7.79*	
		For Up To 500, Add	*14.00*	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	45.32	
		For >500 To 1,000, Add	*5.71*	
		For Up To 500, Add	*10.25*	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	51.77	
		For >500 To 1,000, Add	*6.47*	
		For Up To 500, Add	*11.64*	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	59.18	
		For >500 To 1,000, Add	*7.34*	
		For Up To 500, Add	*13.25*	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	66.73	
		For >500 To 1,000, Add	*8.25*	
		For Up To 500, Add	*14.92*	

31 25 14 26 Stabilization Measures for Sedimentation Control *(31 25 14)*

31 25 14 26-0001 Silt Fences And Dike Barriers *(31 25 14 26)*

Note: Includes stakes and embedding.

31 25 14 26-0002 Silt Fences 2' High *(31 25 14 26-0001)*

See CSI section 31 25 14 26-0014 for removal of silt fence.

31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	5.05	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	3.90	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	2.73	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	2.32	

31 25 14 26-0007 Silt Fences 3' High *(31 25 14 26-0001)*

See CSI section 31 25 14 26-0014 for removal of silt fence.

31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	5.98	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	4.63	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	3.22	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	2.63	

31 25 14 26-0012 Silt Dike Barrier *(31 25 14 26-0001)*

31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	3.95	

31 25 14 26-0014 Silt Fences Removal *(31 25 14 26-0001)*

31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	0.92	

31 25 14 26-0016 Hay And Straw Bales *(31 25 14 26)*

Note: Includes trench for placement, and stakes.

31 25 14 26-0017	LF	Place Sterilized Straw Bales	5.27	
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of straw bale.		
31 25 14 26-0018	LF	Place Hay Bales	4.87	
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale.		
31 25 14 26-0019	LF	Removal Of Hay Or Straw Bales	1.65	
		Note: Includes removal of stakes.		

31 25 14 26-0020 Sediment Logs (Degradable) *(31 25 14 26)*

31 25 14 26-0021 Sediment Logs (Degradable) *(31 25 14 26-0020)*

Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.

31 25 14 26-0022	LF	9" Sediment Fiber Roll Log	6.11	
31 25 14 26-0023	LF	12" Sediment Fiber Roll Log	7.04	
31 25 14 26-0024	LF	20" Sediment Fiber Roll Log	10.66	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0025		Wattles (Degradable) With UV Stabilized Synthetic Netting *(31 25 14 26-0020)*		
		Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0026	EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'	120.67	
31 25 14 26-0027	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	125.93	
31 25 14 26-0028	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	132.00	
31 25 14 26-0029	EA	Wattles (Sterile Straw Filled Rolls), 20" x 10'	136.86	
31 25 14 26-0030		Inlet Protection Sediment Bags *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0031	EA	2' x 2' x 3' Inlet Protection Sediment Bag	68.95	
31 25 14 26-0032	EA	2' x 3' x 3' Inlet Protection Sediment Bag	80.17	
31 25 14 26-0033	EA	2' x 4' x 3' Inlet Protection Sediment Bag	87.88	
31 25 14 26-0034		Clean Sediment Logs/Wattles *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0035	EA	Clean Sediment Logs/Wattles	92.38	

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001		Commercial Use *(31 31 16 13)*		
31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.96	
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	1.37	
31 31 16 13-0004		Residential Use *(31 31 16 13)*		
31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	1.43	
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	1.57	

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001		Soil Sterilants *(31 31 19 13)*		
31 31 19 13-0002	MSF	Soil Sterilant	33.95	
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
		For >45 To 90, Deduct	*-0.50*	
		For >90 To 225, Deduct	*-2.70*	
		For >225, Deduct	*-3.70*	

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001		Cementitious Soil Binder *(31 32 13 16)*		
31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	42.04	
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	48.28	
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	58.55	
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	68.66	

31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 32 13 19-0001		Lime Slurry *(31 32 13 19)*		
31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	37.35	
31 32 13 19-0003	TON	Cement Stabilized Base Material	121.65	
31 32 13 19-0004	CWT	Lime For Soil Stabilization	19.33	
		Note: Excludes the cost for spreading or backfilling		
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	19.27	
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.51	
31 32 13 19-0007		Lime Stabilized Subgrade *(31 32 13 19)*		
		Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).		
31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 Lb.	12.46	
		For 4% Lime Instead Of 5%, Deduct	*-0.34*	
		For 6% Lime Instead Of 5%, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 Lb.	14.44	
		For 4% Lime Instead Of 5%, Deduct	*-0.40*	
		For 6% Lime Instead Of 5%, Add	*0.40*	
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 Lb.	16.48	
		For 4% Lime Instead Of 5%, Deduct	*-0.45*	
		For 6% Lime Instead Of 5%, Add	*0.45*	

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.90	

31 32 19 Geosynthetic Soil Stabilization and Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.43	
		For Up To 50, Add	*1.20*	
		For >50 To 150, Add	*0.89*	
		For >150 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.29*	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.20	
		For Up To 50, Add	*1.36*	
		For >50 To 150, Add	*1.01*	
		For >150 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.33*	
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.77	
		For Up To 50, Add	*1.48*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.36*	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.74	
		For Up To 50, Add	*2.08*	
		For >50 To 150, Add	*1.55*	
		For >150 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.51*	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.15	
		For Up To 50, Add	*2.37*	
		For >50 To 150, Add	*1.76*	
		For >150 To 250, Add	*1.16*	
		For >250 To 500, Add	*0.58*	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.52	
		For Up To 50, Add	*1.22*	
		For >50 To 150, Add	*0.90*	
		For >150 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.30*	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.14	
		For Up To 50, Add	*1.75*	
		For >50 To 150, Add	*1.30*	
		For >150 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.43*	

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.69	
		For Up To 50, Add	*0.38*	
		For >50 To 150, Add	*0.28*	
		For >150 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.09*	
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.81	
		For Up To 50, Add	*0.41*	
		For >50 To 150, Add	*0.30*	
		For >150 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.10*	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	1.96	
		For Up To 50, Add	*0.44*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.11	
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.51	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	2.93	
		For Up To 50, Add	*0.64*	
		For >50 To 150, Add	*0.48*	
		For >150 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.16*	
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.23	
		For Up To 50, Add	*0.70*	
		For >50 To 150, Add	*0.52*	
		For >150 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.17*	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	3.99	
		For Up To 50, Add	*0.85*	
		For >50 To 150, Add	*0.63*	
		For >150 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	

31 32 19 16-0010 Woven Geotextiles Fabric *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0011	SY	200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.45	
		For Up To 50, Add	*0.54*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0012	SY	315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.44	
		For Up To 50, Add	*0.73*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
31 32 19 16-0013	SY	4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	6.07	
		For Up To 50, Add	*1.27*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0014	SY	11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.92	
		For Up To 50, Add	*1.24*	
		For >50 To 150, Add	*0.92*	
		For >150 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0015	SY	6.9 Oz/SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.17	
		For Up To 50, Add	*1.09*	
		For >50 To 150, Add	*0.81*	
		For >150 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
31 32 19 16-0016	SY	9.1 Oz/SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.53	
		For Up To 50, Add	*1.16*	
		For >50 To 150, Add	*0.87*	
		For >150 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.29*	
31 32 19 16-0017	SY	12.1 Oz/SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	7.07	
		For Up To 50, Add	*1.47*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
31 32 19 16-0018	SY	12.1 Oz/SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.09	
		For Up To 50, Add	*2.07*	
		For >50 To 150, Add	*1.55*	
		For >150 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.51*	

31 32 19 16-0019 Geomembranes *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0019)*

31 32 19 16-0021	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.49	
31 32 19 16-0022	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.71	
31 32 19 16-0023	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.08	
31 32 19 16-0024	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.50	
31 32 19 16-0025	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.86	
31 32 19 16-0026	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.13	
31 32 19 16-0027	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.40	
31 32 19 16-0028	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.75	
31 32 19 16-0029	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	4.09	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0030		High-Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0019)*		
31 32 19 16-0031	SF	20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.14	
31 32 19 16-0032	SF	30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.02	
31 32 19 16-0033	SF	40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.13	
31 32 19 16-0034	SF	50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.60	
31 32 19 16-0035	SF	60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.33	
31 32 19 16-0036	SF	80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.54	
31 32 19 16-0037	SF	100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.76	
31 32 19 16-0038	SF	120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.85	
31 32 19 16-0039	SF	140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.94	

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001		Geoweb Cellular Confinement System *(31 32 19 26)* Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	7.83	
		For >20,000, Deduct	*-0.19*	
		For >2:1 Slope, Add	*1.32*	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	9.55	
		For >20,000, Deduct	*-0.28*	
		For >2:1 Slope, Add	*1.32*	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	11.60	
		For >20,000, Deduct	*-0.38*	
		For >2:1 Slope, Add	*1.32*	

31 35 Slope Protection *(31 30)*

31 35 19 Geosynthetic Slope Protection *(31 35)*

31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

Note: Includes stakes.

31 35 19 19-0001		Erosion Control Fabric *(31 35 19 19)*		
31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.48	

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001		Stone Filled Gabion Slope Protection *(31 36 13)* Note: Machine placed by SY of total top face area for depth indicated.		
31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	75.92	
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	89.61	
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	108.10	
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	127.70	
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	149.95	
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	205.24	
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	259.41	

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001		Random - Filter Stone *(31 37 13)*		
31 37 13 00-0002	CY	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	87.57	
		For Chinking Material, Add	*14.37*	
31 37 13 00-0003	CY	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	102.44	
		For Chinking Material, Add	*14.37*	
31 37 13 00-0004	CY	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	109.45	
		For Chinking Material, Add	*14.37*	
31 37 13 00-0005	CY	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	117.43	
		For Chinking Material, Add	*14.37*	
31 37 13 00-0006	CY	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	123.86	
		For Chinking Material, Add	*14.37*	
31 37 13 00-0007	CY	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	134.38	
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	152.09	
31 37 13 00-0009	TON	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	57.62	
31 37 13 00-0010	TON	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	67.06	
31 37 13 00-0011	TON	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	71.51	
31 37 13 00-0012	TON	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	76.57	
31 37 13 00-0013	TON	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	80.66	
31 37 13 00-0014	TON	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	87.41	
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	101.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 40 Shoring and Underpinning (31)

31 41 Shoring (31 40)

31 41 13 Timber Shoring (31 41)

31 41 13 00-0001 Wood Sheet Piling (31 41 13)

31 41 13 00-0002 Pull And Salvage (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	14.87	
		For Wood Sheeting Left In Place		*-1.21*
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	16.09	
		For Wood Sheeting Left In Place		*-1.44*
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	17.43	
		For Wood Sheeting Left In Place		*-1.68*
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	18.86	
		For Wood Sheeting Left In Place		*-1.97*
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	20.43	
		For Wood Sheeting Left In Place		*-2.27*
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	22.12	
		For Wood Sheeting Left In Place		*-2.62*
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	23.97	
		For Wood Sheeting Left In Place		*-2.99*

31 41 16 Sheet Piling (31 41)

31 41 16 13 Steel Sheet Piling (31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage (31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,360.57	
		For Standard Sheeting Left In Place, Add		*1,257.47*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*1,209.68*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add		*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*370.44*
		For Each Additional Month >3 Months, Add		*59.75*
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,455.55	
		For Standard Sheeting Left In Place, Add		*1,209.98*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*1,162.19*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add		*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*370.44*
		For Each Additional Month >3 Months, Add		*59.75*
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,897.15	
		For Standard Sheeting Left In Place, Add		*989.18*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*941.39*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add		*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*370.44*
		For Each Additional Month >3 Months, Add		*59.75*
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,322.08	
		For Standard Sheeting Left In Place, Add		*776.72*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*728.92*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add		*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*370.44*
		For Each Additional Month >3 Months, Add		*59.75*
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,572.05	
		For Standard Sheeting Left In Place, Add		*651.73*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*603.94*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add		*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*370.44*
		For Each Additional Month >3 Months, Add		*59.75*
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,827.01	
		For Standard Sheeting Left In Place, Add		*524.25*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*476.46*
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*107.55*
		For High Strength Sheeting 55,000 PSI Grade, Add		*119.50*
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*370.44*
		For Each Additional Month >3 Months, Add		*59.75*

31 43 Concrete Raising (31 40)

31 43 13 Pressure Grouting (31 43)

31 43 13 16 Polyurethane Pressure Grouting (31 43 13)

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling (31 43 13 16)

31 43 13 16-0002	EA	Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge	3,688.14
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling	31.00
		Note: Per pound of material.	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	25.97	

31 45 Vibroflotation and Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	18.83	

31 48 Underpinning *(31 40)*

31 48 33 Micropile Underpinning *(31 48)*

31 48 33 00-0001 Augered Micropile And Grout System *(31 48 33)*

31 48 33 00-0002	EA	Micropile Mobilization Per Job	2,647.43	
31 48 33 00-0003	EA	Relocate And Set-up Micropile Equipment At New Pile Cap Location	661.86	
31 48 33 00-0004	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.	382.17	
31 48 33 00-0005	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void - Indoor Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.	464.91	
31 48 33 00-0006	EA	Pile Load Test	3,309.28	

31 60 Special Foundations and Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	37.10	
		For Piles Driven In Water, Add		*17.98*
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	46.56	
		For Piles Driven In Water, Add		*20.26*
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	56.44	
		For Piles Driven In Water, Add		*22.29*
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	69.15	
		For Piles Driven In Water, Add		*24.74*
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	83.95	
		For Piles Driven In Water, Add		*27.59*
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	97.12	
		For Piles Driven In Water, Add		*30.51*
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	123.89	
		For Piles Driven In Water, Add		*35.08*

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	41.68	
		For Piles Driven In Water, Add		*18.85*
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	51.16	
		For Piles Driven In Water, Add		*20.72*
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	60.77	
		For Piles Driven In Water, Add		*22.72*
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	72.66	
		For Piles Driven In Water, Add		*25.10*
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	77.34	
		For Piles Driven In Water, Add		*26.93*
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	82.30	
		For Piles Driven In Water, Add		*29.03*

31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	59.85	
		For Piles Driven In Water, Add		*19.85*
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	70.90	
		For Piles Driven In Water, Add		*21.77*
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	84.00	
		For Piles Driven In Water, Add		*24.01*
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	95.03	
		For Piles Driven In Water, Add		*26.14*
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	119.39	
		For Piles Driven In Water, Add		*29.77*
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	147.52	
		For Piles Driven In Water, Add		*33.95*

31 62 16 Steel Piles *(31 62)*

31 62 16 16 Steel H Piles *(31 62 16)*

31 62 16 16-0001 Rolled, Driven Steel H Piles *(31 62 16 16)*

31 62 16 16-0002	VLF	8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile	37.19	
		For Piles Driven In Water, Add		*19.33*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0003	VLF	10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile	41.35	
		For Piles Driven In Water, Add	*20.51*	
31 62 16 16-0004	VLF	10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile	49.62	
		For Piles Driven In Water, Add	*21.33*	
31 62 16 16-0005	VLF	12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile	47.96	
		For Piles Driven In Water, Add	*21.65*	
31 62 16 16-0006	VLF	12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile	53.47	
		For Piles Driven In Water, Add	*22.20*	
31 62 16 16-0007	VLF	12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile	61.11	
		For Piles Driven In Water, Add	*24.38*	
31 62 16 16-0008	VLF	12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile	66.62	
		For Piles Driven In Water, Add	*24.93*	
31 62 16 16-0009	VLF	14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile	61.06	
		For Piles Driven In Water, Add	*24.83*	
31 62 16 16-0010	VLF	14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile	70.43	
		For Piles Driven In Water, Add	*25.76*	
31 62 16 16-0011	VLF	14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile	78.78	
		For Piles Driven In Water, Add	*28.16*	
31 62 16 16-0012	VLF	14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile	87.60	
		For Piles Driven In Water, Add	*29.04*	

31 62 16 16-0013 Splices, Caps, And Points For H-Piles *(31 62 16 16)*

31 62 16 16-0014 Rolled Steel H Pile Splices *(31 62 16 16-0013)*

31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	327.94
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	367.11
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	503.70
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	523.28

31 62 16 16-0019 Rolled Steel H Driving Caps *(31 62 16 16-0013)*

31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,258.45
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,258.45
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,319.86
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	4,984.62

31 62 16 16-0024 Rolled Steel H Standard Pile Points *(31 62 16 16-0013)*

31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	347.53
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	367.11
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	503.70
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	562.45
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	503.70
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	600.39

31 62 16 19 Unfilled Tubular Steel Piles *(31 62 16)*

31 62 16 19-0001 Unfilled Tubular Driven Steel Piles *(31 62 16 19)*

31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile	58.36
		For Piles Driven In Water, Add	*25.81*
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile	67.40
		For Piles Driven In Water, Add	*26.71*
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile	77.16
		For Piles Driven In Water, Add	*27.69*
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	67.40
		For Piles Driven In Water, Add	*26.71*
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	75.99
		For Piles Driven In Water, Add	*27.57*
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	94.97
		For Piles Driven In Water, Add	*29.47*
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	79.22
		For Piles Driven In Water, Add	*28.95*
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	89.27
		For Piles Driven In Water, Add	*29.95*
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	94.86
		For Piles Driven In Water, Add	*30.51*
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	110.50
		For Piles Driven In Water, Add	*32.07*
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	85.67
		For Piles Driven In Water, Add	*31.79*
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	97.05
		For Piles Driven In Water, Add	*32.93*
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	108.43
		For Piles Driven In Water, Add	*34.06*
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	119.80
		For Piles Driven In Water, Add	*35.20*
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	95.31
		For Piles Driven In Water, Add	*35.46*
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	108.62
		For Piles Driven In Water, Add	*36.79*
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	134.55
		For Piles Driven In Water, Add	*39.38*
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	117.65
		For Piles Driven In Water, Add	*39.89*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0020	VLF	18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile	134.92	
		For Piles Driven In Water, Add	*41.62*	
31 62 16 19-0021	VLF	18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile	167.75	
		For Piles Driven In Water, Add	*44.90*	

31 62 16 19-0022 Splices And Points For Pipe Piles *(31 62 16 19)*

31 62 16 19-0023 Steel Pipe Pile Splices *(31 62 16 19-0022)*

31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	371.53	
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	409.86	
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	522.79	
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	560.59	
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	692.43	
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	850.69	

31 62 16 19-0030 Steel Pipe Standard Pile Points *(31 62 16 19-0022)*

31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	348.39	
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	379.08	
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	433.77	
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	518.18	
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	594.92	
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	682.30	

31 62 16 19-0037 Steel Pipe Heavy-Duty Pile Points *(31 62 16 19-0022)*

31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy-Duty Pile Point	498.51	
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy-Duty Pile Point	536.88	
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy-Duty Pile Point	608.64	
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy-Duty Pile Point	762.11	
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy-Duty Pile Point	882.44	

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*

Note: 12 LB Penta-treated/CF.

31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	36.91	
		For Piles Driven In Water, Add	*17.56*	
		For Untreated Pile, Deduct	*-7.96*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	39.08	
		For Piles Driven In Water, Add	*19.51*	
		For Untreated Pile, Deduct	*-8.04*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	41.22	
		For Piles Driven In Water, Add	*20.76*	
		For Untreated Pile, Deduct	*-8.41*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	44.54	
		For Piles Driven In Water, Add	*23.17*	
		For Untreated Pile, Deduct	*-8.78*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	54.89	
		For Piles Driven In Water, Add	*26.29*	
		For Untreated Pile, Deduct	*-11.76*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	68.37	
		For Piles Driven In Water, Add	*31.79*	
		For Untreated Pile, Deduct	*-15.04*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	62.59	
		For 5,000 PSI Concrete Grout Fill, Add	*6.95*	
		For Piles Driven In Water, Add	*27.97*	
31 62 23 13-0003	VLF	8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	71.63	
		For 5,000 PSI Concrete Grout Fill, Add	*7.85*	
		For Piles Driven In Water, Add	*28.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0004	VLF	8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	81.39	
		For 5,000 PSI Concrete Grout Fill, Add	*8.83*	
		For Piles Driven In Water, Add	*29.85*	
31 62 23 13-0005	VLF	10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	73.52	
		For 5,000 PSI Concrete Grout Fill, Add	*9.72*	
		For Piles Driven In Water, Add	*29.54*	
31 62 23 13-0006	VLF	10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	82.11	
		For 5,000 PSI Concrete Grout Fill, Add	*10.58*	
		For Piles Driven In Water, Add	*30.40*	
31 62 23 13-0007	VLF	10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	101.09	
		For 5,000 PSI Concrete Grout Fill, Add	*12.47*	
		For Piles Driven In Water, Add	*32.29*	
31 62 23 13-0008	VLF	12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	87.81	
		For 5,000 PSI Concrete Grout Fill, Add	*13.07*	
		For Piles Driven In Water, Add	*32.84*	
31 62 23 13-0009	VLF	12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	97.87	
		For 5,000 PSI Concrete Grout Fill, Add	*14.07*	
		For Piles Driven In Water, Add	*33.84*	
31 62 23 13-0010	VLF	12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	103.45	
		For 5,000 PSI Concrete Grout Fill, Add	*14.63*	
		For Piles Driven In Water, Add	*34.40*	
31 62 23 13-0011	VLF	12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	119.09	
		For 5,000 PSI Concrete Grout Fill, Add	*16.20*	
		For Piles Driven In Water, Add	*35.97*	
31 62 23 13-0012	VLF	14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	97.36	
		For 5,000 PSI Concrete Grout Fill, Add	*16.08*	
		For Piles Driven In Water, Add	*37.86*	
31 62 23 13-0013	VLF	14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	108.74	
		For 5,000 PSI Concrete Grout Fill, Add	*17.22*	
		For Piles Driven In Water, Add	*39.00*	
31 62 23 13-0014	VLF	14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	120.11	
		For 5,000 PSI Concrete Grout Fill, Add	*18.36*	
		For Piles Driven In Water, Add	*40.14*	
31 62 23 13-0015	VLF	14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	131.49	
		For 5,000 PSI Concrete Grout Fill, Add	*19.49*	
		For Piles Driven In Water, Add	*41.27*	
31 62 23 13-0016	VLF	16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	107.86	
		For 5,000 PSI Concrete Grout Fill, Add	*19.84*	
		For Piles Driven In Water, Add	*40.59*	
31 62 23 13-0017	VLF	16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	121.16	
		For 5,000 PSI Concrete Grout Fill, Add	*21.17*	
		For Piles Driven In Water, Add	*41.92*	
31 62 23 13-0018	VLF	16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	147.10	
		For 5,000 PSI Concrete Grout Fill, Add	*23.77*	
		For Piles Driven In Water, Add	*44.52*	
31 62 23 13-0019	VLF	18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	132.71	
		For 5,000 PSI Concrete Grout Fill, Add	*25.38*	
		For Piles Driven In Water, Add	*45.48*	
31 62 23 13-0020	VLF	18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	149.99	
		For 5,000 PSI Concrete Grout Fill, Add	*27.11*	
		For Piles Driven In Water, Add	*47.21*	
31 62 23 13-0021	VLF	18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	182.82	
		For 5,000 PSI Concrete Grout Fill, Add	*30.39*	
		For Piles Driven In Water, Add	*50.49*	

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	80.75	
		For Piles Driven In Water, Add	*24.72*	
31 62 23 13-0024	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	98.00	
		For Piles Driven In Water, Add	*27.63*	
31 62 23 13-0025	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	110.93	
		For Piles Driven In Water, Add	*30.29*	
31 62 23 13-0026	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	120.68	
		For Piles Driven In Water, Add	*32.87*	

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	79.22	
		For Piles Driven In Water, Add	*24.56*	
31 62 23 13-0029	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	81.31	
		For Piles Driven In Water, Add	*25.96*	
31 62 23 13-0030	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	99.23	
		For Piles Driven In Water, Add	*29.12*	
31 62 23 13-0031	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	114.49	
		For Piles Driven In Water, Add	*32.25*	

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

31 62 23 13-0033	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	47.59	
		For Piles Driven In Water, Add	*18.80*	
		For Thick Wall Shell, Add	*0.08*	
31 62 23 13-0034	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	52.55	
		For Piles Driven In Water, Add	*20.86*	
		For Thick Wall Shell, Add	*0.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0035	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	57.43	
		For Piles Driven In Water, Add	*22.90*	
		For Thick Wall Shell, Add	*0.10*	
31 62 23 13-0036	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	62.39	
		For Piles Driven In Water, Add	*24.96*	
		For Thick Wall Shell, Add	*0.10*	
31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	67.34	
		For Piles Driven In Water, Add	*27.02*	
		For Thick Wall Shell, Add	*0.11*	

31 63 Bored Piles *(31 60)*

31 63 36 Drilled Steel Piles *(31 63)*

31 63 36 00-0001 Drill Hole *(31 63 36)*

Note: Excludes removal of excess material.

31 63 36 00-0002 Drilling Mobilization *(31 63 36 00-0001)*

31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	992.79
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization	1,323.71

31 63 36 00-0005 Drill Hole In Soil *(31 63 36 00-0001)*

31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	57.10
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	66.40
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	78.02
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	91.96
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	99.39
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	109.36
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	119.78

31 63 36 00-0013 Steel H Piles *(31 63 36)*

31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles *(31 63 36 00-0013)*

Note: Includes guides, bracing and alignment.

31 63 36 00-0015	VLF	8" x 8" x 36 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	33.52
		For >2,400 To 3,600, Deduct	*-1.18*
		For >3,600 To 4,800, Deduct	*-2.36*
		For >4,800 To 6,000, Deduct	*-4.04*
		For >6,000, Deduct	*-5.71*
31 63 36 00-0016	VLF	10" x 10" x 42 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	37.51
		For >2,400 To 3,600, Deduct	*-1.30*
		For >3,600 To 4,800, Deduct	*-2.59*
		For >4,800 To 6,000, Deduct	*-4.47*
		For >6,000, Deduct	*-6.34*
31 63 36 00-0017	VLF	10" x 10" x 57 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	45.78
		For >2,400 To 3,600, Deduct	*-1.50*
		For >3,600 To 4,800, Deduct	*-3.01*
		For >4,800 To 6,000, Deduct	*-5.30*
		For >6,000, Deduct	*-7.58*
31 63 36 00-0018	VLF	12" x 12" x 53 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	44.00
		For >2,400 To 3,600, Deduct	*-1.47*
		For >3,600 To 4,800, Deduct	*-2.94*
		For >4,800 To 6,000, Deduct	*-5.14*
		For >6,000, Deduct	*-7.34*
31 63 36 00-0019	VLF	12" x 12" x 63 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	49.51
		For >2,400 To 3,600, Deduct	*-1.61*
		For >3,600 To 4,800, Deduct	*-3.21*
		For >4,800 To 6,000, Deduct	*-5.69*
		For >6,000, Deduct	*-8.17*
31 63 36 00-0020	VLF	12" x 12" x 74 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	56.82
		For >2,400 To 3,600, Deduct	*-1.82*
		For >3,600 To 4,800, Deduct	*-3.64*
		For >4,800 To 6,000, Deduct	*-6.48*
		For >6,000, Deduct	*-9.32*
31 63 36 00-0021	VLF	12" x 12" x 84 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	62.33
		For >2,400 To 3,600, Deduct	*-1.96*
		For >3,600 To 4,800, Deduct	*-3.92*
		For >4,800 To 6,000, Deduct	*-7.03*
		For >6,000, Deduct	*-10.15*
31 63 36 00-0022	VLF	14" x 14" x 73 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	56.67
		For >2,400 To 3,600, Deduct	*-1.83*
		For >3,600 To 4,800, Deduct	*-3.65*
		For >4,800 To 6,000, Deduct	*-6.49*
		For >6,000, Deduct	*-9.32*
31 63 36 00-0023	VLF	14" x 14" x 89 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	66.04
		For >2,400 To 3,600, Deduct	*-2.06*
		For >3,600 To 4,800, Deduct	*-4.12*
		For >4,800 To 6,000, Deduct	*-7.42*
		For >6,000, Deduct	*-10.73*
31 63 36 00-0024	VLF	14" x 14" x 102 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	74.02
		For >2,400 To 3,600, Deduct	*-2.29*
		For >3,600 To 4,800, Deduct	*-4.59*
		For >4,800 To 6,000, Deduct	*-8.29*
		For >6,000, Deduct	*-11.99*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0025	VLF	14" x 14" x 117 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	82.84	
		For >2,400 To 3,600, Deduct	*-2.52*	
		For >3,600 To 4,800, Deduct	*-5.03*	
		For >4,800 To 6,000, Deduct	*-9.17*	
		For >6,000, Deduct	*-13.31*	

31 63 36 00-0026 Welded Steel Stud Pins *(31 63 36 00-0013)*

Note: Includes welding to steel piles.

31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	14.20	
		For >50 To 150, Deduct	*-0.64*	
		For >150 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.65*	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins	15.73	
		For >50 To 150, Deduct	*-0.64*	
		For >150 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.06*	
		For >500, Deduct	*-2.77*	
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins	17.20	
		For >50 To 150, Deduct	*-0.64*	
		For >150 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.88*	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	15.75	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.12*	
		For >500, Deduct	*-2.85*	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins	18.06	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.02*	
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins	19.68	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.14*	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	17.67	
		For >50 To 150, Deduct	*-0.70*	
		For >150 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-3.06*	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins	21.44	
		For >50 To 150, Deduct	*-0.70*	
		For >150 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-3.35*	
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins	23.28	
		For >50 To 150, Deduct	*-0.70*	
		For >150 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.48*	

31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 37 16 00-0001 for pumping equipment.

31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	47.04
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	52.26
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	57.49
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	62.71
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	67.94
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	73.16
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	85.88

31 64 Caissons *(31 60)*

31 64 13 Box Caissons *(31 64)*

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground *(31 64 13 00-0001)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF	18" Diameter Caisson, No Casing Stable Ground, No Ground Water	60.44	
		Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add		*5.87*
		For >100' To 150' Deep, Add		*15.11*
		For >150' To 200' Deep, Add		*20.19*
		For Right Angle Drilling, Add		*16.02*
31 64 13 00-0004	VLF	24" Diameter Caisson, No Casing Stable Ground, No Ground Water	75.94	
		Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add		*8.07*
		For >100' To 150' Deep, Add		*18.99*
		For >150' To 200' Deep, Add		*26.23*
		For Right Angle Drilling, Add		*17.96*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0005	VLF	30" Diameter Caisson, No Casing Stable Ground, No Ground Water	107.34	
		Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*11.91*	
		For >100' To 150' Deep, Add	*26.84*	
		For >150' To 200' Deep, Add	*37.69*	
		For Right Angle Drilling, Add	*23.84*	
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water	141.94	
		Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*16.25*	
		For >100' To 150' Deep, Add	*35.49*	
		For >150' To 200' Deep, Add	*50.48*	
		For Right Angle Drilling, Add	*29.94*	
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water	181.63	
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*21.55*	
		For >100' To 150' Deep, Add	*45.41*	
		For >150' To 200' Deep, Add	*65.53*	
		For Right Angle Drilling, Add	*35.97*	
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water	218.60	
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*26.41*	
		For >100' To 150' Deep, Add	*54.65*	
		For >150' To 200' Deep, Add	*79.46*	
		For Right Angle Drilling, Add	*41.81*	
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water	263.52	
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*32.79*	
		For >100' To 150' Deep, Add	*65.88*	
		For >150' To 200' Deep, Add	*96.99*	
		For Right Angle Drilling, Add	*47.40*	
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water	309.41	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*39.32*	
		For >100' To 150' Deep, Add	*77.35*	
		For >150' To 200' Deep, Add	*114.90*	
		For Right Angle Drilling, Add	*53.10*	
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water	361.27	
		Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*46.66*	
		For >100' To 150' Deep, Add	*90.32*	
		For >150' To 200' Deep, Add	*135.09*	
		For Right Angle Drilling, Add	*59.67*	
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water	420.73	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*55.13*	
		For >100' To 150' Deep, Add	*105.18*	
		For >150' To 200' Deep, Add	*158.32*	
		For Right Angle Drilling, Add	*67.00*	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water	480.03	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*63.74*	
		For >100' To 150' Deep, Add	*120.01*	
		For >150' To 200' Deep, Add	*181.68*	
		For Right Angle Drilling, Add	*73.82*	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water	543.31	
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*72.99*	
		For >100' To 150' Deep, Add	*135.83*	
		For >150' To 200' Deep, Add	*206.69*	
		For Right Angle Drilling, Add	*80.92*	

31 64 13 00-0015 For Bell Excavation And Concrete, Add *(31 64 13 00-0001)*

31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY	465.81	
		For >50' To 100' Deep, Add	*37.96*	
		For >100' To 150' Deep, Add	*116.45*	
		For >150' To 200' Deep, Add	*146.44*	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY	1,637.53	
		For >50' To 100' Deep, Add	*133.66*	
		For >100' To 150' Deep, Add	*409.38*	
		For >150' To 200' Deep, Add	*515.05*	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY	2,477.32	
		For >50' To 100' Deep, Add	*205.43*	
		For >100' To 150' Deep, Add	*619.33*	
		For >150' To 200' Deep, Add	*783.22*	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY	3,438.86	
		For >50' To 100' Deep, Add	*285.73*	
		For >100' To 150' Deep, Add	*859.72*	
		For >150' To 200' Deep, Add	*1,087.92*	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY	4,665.48	
		For >50' To 100' Deep, Add	*380.71*	
		For >100' To 150' Deep, Add	*1,166.37*	
		For >150' To 200' Deep, Add	*1,467.30*	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY	5,485.87	
		For >50' To 100' Deep, Add	*447.46*	
		For >100' To 150' Deep, Add	*1,371.47*	
		For >150' To 200' Deep, Add	*1,725.07*	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY	9,303.69	
		For >50' To 100' Deep, Add	*757.33*	
		For >100' To 150' Deep, Add	*2,325.92*	
		For >150' To 200' Deep, Add	*2,923.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	13,453.85	
		For >50' To 100' Deep, Add	*1,106.33*	
		For >100' To 150' Deep, Add	*3,363.46*	
		For >150' To 200' Deep, Add	*4,241.86*	

31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0025 Caisson In Wet Ground *(31 64 13 00-0024)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled	67.13
		Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*6.33*
		For >100' To 150' Deep, Add	*16.78*
		For >150' To 200' Deep, Add	*22.18*
		For Right Angle Drilling, Add	*18.39*
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled	112.29
		Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*10.62*
		For >100' To 150' Deep, Add	*28.07*
		For >150' To 200' Deep, Add	*37.14*
		For Right Angle Drilling, Add	*30.68*
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled	148.29
		Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*14.77*
		For >100' To 150' Deep, Add	*37.07*
		For >150' To 200' Deep, Add	*49.98*
		For Right Angle Drilling, Add	*38.17*
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled	203.46
		Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*20.56*
		For >100' To 150' Deep, Add	*50.87*
		For >150' To 200' Deep, Add	*68.94*
		For Right Angle Drilling, Add	*51.47*
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled	257.53
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*26.86*
		For >100' To 150' Deep, Add	*64.38*
		For >150' To 200' Deep, Add	*88.30*
		For Right Angle Drilling, Add	*62.54*
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled	308.59
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*32.71*
		For >100' To 150' Deep, Add	*77.15*
		For >150' To 200' Deep, Add	*106.46*
		For Right Angle Drilling, Add	*73.30*
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled	398.17
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*42.22*
		For >100' To 150' Deep, Add	*99.54*
		For >150' To 200' Deep, Add	*137.38*
		For Right Angle Drilling, Add	*94.53*
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled	487.53
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*51.79*
		For >100' To 150' Deep, Add	*121.88*
		For >150' To 200' Deep, Add	*168.34*
		For Right Angle Drilling, Add	*115.45*
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled	556.13
		Note: 0.87 CY Concrete per VLF, 113 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*60.30*
		For >100' To 150' Deep, Add	*139.03*
		For >150' To 200' Deep, Add	*193.55*
		For Right Angle Drilling, Add	*127.87*
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled	632.25
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*69.94*
		For >100' To 150' Deep, Add	*158.06*
		For >150' To 200' Deep, Add	*221.78*
		For Right Angle Drilling, Add	*141.04*
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled	719.12
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*80.48*
		For >100' To 150' Deep, Add	*179.78*
		For >150' To 200' Deep, Add	*253.41*
		For Right Angle Drilling, Add	*157.50*
31 64 13 00-0037	VLF	84" Diameter Caisson Wet Ground, Casing Pulled	810.43
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.	
		For >50' To 100' Deep, Add	*91.69*
		For >100' To 150' Deep, Add	*202.61*
		For >150' To 200' Deep, Add	*286.82*
		For Right Angle Drilling, Add	*174.42*

31 64 13 00-0038 For Bell Excavation And Concrete, Add *(31 64 13 00-0024)*

31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY	538.49
		For >50' To 100' Deep, Add	*43.05*
		For >100' To 150' Deep, Add	*134.62*
		For >150' To 200' Deep, Add	*168.24*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY	1,876.02	
		For >50' To 100' Deep, Add	*150.36*	
		For >100' To 150' Deep, Add	*469.01*	
		For >150' To 200' Deep, Add	*586.60*	
31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY	2,577.41	
		For >50' To 100' Deep, Add	*192.61*	
		For >100' To 150' Deep, Add	*644.35*	
		For >150' To 200' Deep, Add	*788.47*	
31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY	4,121.73	
		For >50' To 100' Deep, Add	*333.53*	
		For >100' To 150' Deep, Add	*1,030.43*	
		For >150' To 200' Deep, Add	*1,292.78*	
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY	5,345.18	
		For >50' To 100' Deep, Add	*428.29*	
		For >100' To 150' Deep, Add	*1,336.30*	
		For >150' To 200' Deep, Add	*1,671.21*	
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY	6,285.52	
		For >50' To 100' Deep, Add	*503.43*	
		For >100' To 150' Deep, Add	*1,571.38*	
		For >150' To 200' Deep, Add	*1,964.96*	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY	10,663.09	
		For >50' To 100' Deep, Add	*852.49*	
		For >100' To 150' Deep, Add	*2,665.77*	
		For >150' To 200' Deep, Add	*3,331.52*	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY	15,395.85	
		For >50' To 100' Deep, Add	*1,242.27*	
		For >100' To 150' Deep, Add	*3,848.96*	
		For >150' To 200' Deep, Add	*4,824.46*	

31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0048 Caisson In Soft Rock *(31 64 13 00-0047)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	258.63	
		Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*19.74*	
		For >100' To 150' Deep, Add	*64.66*	
		For >150' To 200' Deep, Add	*79.63*	
		For Right Angle Drilling, Add	*85.41*	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	431.52	
		Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*32.96*	
		For >100' To 150' Deep, Add	*107.88*	
		For >150' To 200' Deep, Add	*132.90*	
		For Right Angle Drilling, Add	*142.41*	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	650.40	
		Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*49.92*	
		For >100' To 150' Deep, Add	*162.60*	
		For >150' To 200' Deep, Add	*200.61*	
		For Right Angle Drilling, Add	*213.91*	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	831.16	
		Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*64.50*	
		For >100' To 150' Deep, Add	*207.79*	
		For >150' To 200' Deep, Add	*257.25*	
		For Right Angle Drilling, Add	*271.16*	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,073.30	
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*83.96*	
		For >100' To 150' Deep, Add	*268.33*	
		For >150' To 200' Deep, Add	*333.03*	
		For Right Angle Drilling, Add	*348.06*	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,294.30	
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*101.71*	
		For >100' To 150' Deep, Add	*323.58*	
		For >150' To 200' Deep, Add	*402.17*	
		For Right Angle Drilling, Add	*418.30*	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,582.82	
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*125.14*	
		For >100' To 150' Deep, Add	*395.71*	
		For >150' To 200' Deep, Add	*492.78*	
		For Right Angle Drilling, Add	*509.15*	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,871.40	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*148.66*	
		For >100' To 150' Deep, Add	*467.85*	
		For >150' To 200' Deep, Add	*583.50*	
		For Right Angle Drilling, Add	*599.80*	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	2,055.78	
		Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*165.28*	
		For >100' To 150' Deep, Add	*513.95*	
		For >150' To 200' Deep, Add	*643.45*	
		For Right Angle Drilling, Add	*652.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.	2,246.80	
		For >50' To 100' Deep, Add	*182.96*	
		For >100' To 150' Deep, Add	*561.70*	
		For >150' To 200' Deep, Add	*706.14*	
		For Right Angle Drilling, Add	*706.13*	
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.	2,302.54	
		For >50' To 100' Deep, Add	*191.32*	
		For >100' To 150' Deep, Add	*575.64*	
		For >150' To 200' Deep, Add	*728.44*	
		For Right Angle Drilling, Add	*711.70*	
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.	2,749.35	
		For >50' To 100' Deep, Add	*227.41*	
		For >100' To 150' Deep, Add	*687.34*	
		For >150' To 200' Deep, Add	*868.50*	
		For Right Angle Drilling, Add	*853.04*	

31 64 13 00-0061 For Bell Excavation And Concrete, Add *(31 64 13 00-0047)*

31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	923.55	
		For >50' To 100' Deep, Add	*70.00*	
		For >100' To 150' Deep, Add	*230.89*	
		For >150' To 200' Deep, Add	*283.76*	
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,249.91	
		For >50' To 100' Deep, Add	*246.53*	
		For >100' To 150' Deep, Add	*812.48*	
		For >150' To 200' Deep, Add	*998.77*	
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	4,870.28	
		For >50' To 100' Deep, Add	*372.94*	
		For >100' To 150' Deep, Add	*1,217.57*	
		For >150' To 200' Deep, Add	*1,501.11*	
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	6,934.12	
		For >50' To 100' Deep, Add	*530.40*	
		For >100' To 150' Deep, Add	*1,733.53*	
		For >150' To 200' Deep, Add	*2,136.50*	
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	9,164.93	
		For >50' To 100' Deep, Add	*695.67*	
		For >100' To 150' Deep, Add	*2,291.23*	
		For >150' To 200' Deep, Add	*2,817.14*	
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	11,167.71	
		For >50' To 100' Deep, Add	*845.19*	
		For >100' To 150' Deep, Add	*2,791.93*	
		For >150' To 200' Deep, Add	*3,429.62*	
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	16,887.88	
		For >50' To 100' Deep, Add	*1,288.23*	
		For >100' To 150' Deep, Add	*4,221.97*	
		For >150' To 200' Deep, Add	*5,198.96*	
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	25,399.97	
		For >50' To 100' Deep, Add	*1,942.56*	
		For >100' To 150' Deep, Add	*6,349.99*	
		For >150' To 200' Deep, Add	*7,825.69*	

31 64 13 00-0070 Caisson Setup And Removal *(31 64 13)*

Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.

31 64 13 00-0071	EA	Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	4,387.30
31 64 13 00-0072	EA	Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	6,152.42
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	2,080.15
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	2,773.54
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling	173.34

31 66 Special Foundation *(31 60)*

31 66 15 Helical Foundation Piles *(31 66)*

31 66 15 00-0001 Helical Pier Restoration (Atlas) *(31 66 15)*

31 66 15 00-0002	EA	Structural Steel Piers (Atlas Pier System Or Equal) Note: Includes heavy-duty bracket, pier platform, and 14' of 3.5" diameter pier sections, non-corrosive coating, hydraulic lifting, fasteners, and other related activities and materials. Excludes excavation and core drilling	3,954.43
31 66 15 00-0003	EA	Pressure Injecting Grout For Slab Repairs, Per Location Note: Includes preparation, installing and removing grout injection pipes, and finishing. Excludes grout and core drilling.	480.57
31 66 15 00-0004	CY	Pressure Injected Non-Shrink Grout	494.08

31 68 Foundation Anchors *(31 60)*

31 68 13 Rock Foundation Anchors *(31 68)*

31 68 13 00-0001 Materials And Placement *(31 68 13)*

31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 *(31 68 13 00-0001)*

Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0003		3/4" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0004	EA	3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor	278.15	
31 68 13 00-0005	EA	3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor	402.37	
31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor	498.44	
31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor	650.82	
31 68 13 00-0008		1" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor	358.44	
31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor	556.77	
31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor	726.94	
31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor	953.48	
31 68 13 00-0013		1-3/8" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor	606.03	
31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor	946.33	
31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,258.53	
31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,626.98	
31 68 13 00-0018		2" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor	1,359.01	
31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor	2,023.60	
31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor	2,659.93	
31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor	3,352.68	
31 68 13 00-0023		Super High-Tensile Anchors, ASTM A-108 *(31 68 13 00-0001)* Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024		3/4" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0025	EA	3/4" Rock Bolt, 5' Super High-Tensile Anchor	196.90	
31 68 13 00-0026	EA	3/4" Rock Bolt, 10' Super High-Tensile Anchor	262.70	
31 68 13 00-0027	EA	3/4" Rock Bolt, 15' Super High-Tensile Anchor	300.21	
31 68 13 00-0028	EA	3/4" Rock Bolt, 20' Super High-Tensile Anchor	391.34	
31 68 13 00-0029		1" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0030	EA	1" Rock Bolt, 5' Super High-Tensile Anchor	238.58	
31 68 13 00-0031	EA	1" Rock Bolt, 10' Super High-Tensile Anchor	332.92	
31 68 13 00-0032	EA	1" Rock Bolt, 15' Super High-Tensile Anchor	395.75	
31 68 13 00-0033	EA	1" Rock Bolt, 20' Super High-Tensile Anchor	514.89	
31 68 13 00-0034		1-1/4" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0035	EA	1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	360.98	
31 68 13 00-0036	EA	1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	508.37	
31 68 13 00-0037	EA	1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	626.84	
31 68 13 00-0038	EA	1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	796.68	
31 68 13 00-0039		2" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0040	EA	2" Rock Bolt, 5' Super High-Tensile Anchor	984.03	
31 68 13 00-0041	EA	2" Rock Bolt, 10' Super High-Tensile Anchor	1,400.79	
31 68 13 00-0042	EA	2" Rock Bolt, 15' Super High-Tensile Anchor	1,716.77	
31 68 13 00-0043	EA	2" Rock Bolt, 20' Super High-Tensile Anchor	2,108.21	
31 68 13 00-0044		Solid Rebar Anchors, ASTM A615 *(31 68 13 00-0001)* Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045		3/4" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor	183.52	
31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor	234.40	
31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor	257.09	
31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor	336.13	
31 68 13 00-0050		1" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor	209.27	
31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor	276.99	
31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor	316.61	
31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor	412.44	
31 68 13 00-0055		1-1/4" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor	312.30	
31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor	402.27	
31 68 13 00-0058	EA	1-1/4" Rock Bolt, 15' Solid Rebar Anchor	464.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0059	EA	1-1/4" Rock Bolt, 20' Solid Rebar Anchor	582.47	

31 68 13 00-0060 Resin Anchoring With Grade 60 Rebar *(31 68 13 00-0001)*

Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.

31 68 13 00-0061 Rebar #6 *(31 68 13 00-0060)*

31 68 13 00-0062	EA	#6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	93.10
31 68 13 00-0063	EA	#6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	129.89
31 68 13 00-0064	EA	#6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	138.52
31 68 13 00-0065	EA	#6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	186.20

31 68 13 00-0066 Rebar #8 *(31 68 13 00-0060)*

31 68 13 00-0067	EA	#8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	99.82
31 68 13 00-0068	EA	#8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	143.32
31 68 13 00-0069	EA	#8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	158.67
31 68 13 00-0070	EA	#8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	230.32

31 68 13 00-0071 Rebar #10 *(31 68 13 00-0060)*

31 68 13 00-0072	EA	#10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	109.41
31 68 13 00-0073	EA	#10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	162.50
31 68 13 00-0074	EA	#10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	187.44
31 68 13 00-0075	EA	#10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	268.69

31 68 13 00-0076 Rebar #14 *(31 68 13 00-0060)*

31 68 13 00-0077	EA	#14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	132.43
31 68 13 00-0078	EA	#14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	208.55
31 68 13 00-0079	EA	#14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	256.51
31 68 13 00-0080	EA	#14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	360.79

31 68 13 00-0081 Plastic Rebar Collars, Sizes #6-#14 *(31 68 13 00-0060)*

31 68 13 00-0082	EA	Plastic Rebar Collars For Rebar #4 To #14	2.56

31 68 13 00-0083 12" Long Resin Cartridges *(31 68 13 00-0001)*

31 68 13 00-0084	EA	7/8" Resin Cartridge 12" Long	2.80
31 68 13 00-0085	EA	1" Resin Cartridge 12" Long	3.84
31 68 13 00-0086	EA	1-1/16" Resin Cartridge 12" Long	4.11
31 68 13 00-0087	EA	1-1/4" Resin Cartridge 12" Long	4.44
31 68 13 00-0088	EA	1-3/8" Resin Cartridge 12" Long	5.10
31 68 13 00-0089	EA	1-9/16" Resin Cartridge 12" Long	6.39
31 68 13 00-0090	EA	1-3/4" Resin Cartridge 12" Long	8.77

31 68 13 00-0091 Head Assembly *(31 68 13 00-0001)*

31 68 13 00-0092 3/4" Rod Diameter *(31 68 13 00-0091)*

31 68 13 00-0093	EA	3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	41.97
31 68 13 00-0094	EA	3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	35.35
31 68 13 00-0095	EA	3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	37.08
31 68 13 00-0096	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	66.57
31 68 13 00-0097	EA	3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	66.57
31 68 13 00-0098	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	63.07

31 68 13 00-0099 1" Rod Diameter *(31 68 13 00-0091)*

31 68 13 00-0100	EA	1" Rod Head Assembly 1-5/8" Short Cone and Shell	45.23
31 68 13 00-0101	EA	1" Rod Head Assembly 1-3/4" Short Cone and Shell	38.71
31 68 13 00-0102	EA	1" Rod Head Assembly 1-7/8" Short Cone and Shell	40.43
31 68 13 00-0103	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	70.03
31 68 13 00-0104	EA	1" Rod Head Assembly 1-7/8" Long Cone and Shell	70.03
31 68 13 00-0105	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	66.77

31 68 13 00-0106 1-1/4" Rod Diameter *(31 68 13 00-0091)*

31 68 13 00-0107	EA	1-1/4" Rod Head Assembly 2" Short Cone and Shell	100.92
31 68 13 00-0108	EA	1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell	117.90
31 68 13 00-0109	EA	1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell	119.57
31 68 13 00-0110	EA	1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell	106.05
31 68 13 00-0111	EA	1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell	123.65

31 68 13 00-0112 1-7/8" Rod Diameter *(31 68 13 00-0091)*

31 68 13 00-0113	EA	1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	397.19
31 68 13 00-0114	EA	1/7/8" Rod Head Assembly 3" Long Cone and Shell	273.83

31 68 13 00-0115 2" Rod Diameter *(31 68 13 00-0091)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0116	EA	2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	397.19	
31 68 13 00-0117	EA	2" Rod Head Assembly 3" Long Cone and Shell	273.83	
31 68 13 00-0118		Steel Plates With Standard Hole And Washers *(31 68 13 00-0001)*		
31 68 13 00-0119		Steel Plates *(31 68 13 00-0118)*		
31 68 13 00-0120	EA	1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer	3.31	
31 68 13 00-0121	EA	1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer	6.11	
31 68 13 00-0122	EA	3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer	8.50	
31 68 13 00-0123	EA	3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer	14.91	
31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	5.79	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	15.21	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	25.24	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	35.76	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	21.46	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	60.72	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	89.47	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	39.28	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	106.23	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	53.12	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	127.77	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	58.64	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	141.71	
31 68 13 00-0137		Hardened Washers *(31 68 13 00-0118)*		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	1.39	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	1.92	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	5.37	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	13.38	
31 68 13 00-0142		Beveled Washers *(31 68 13 00-0118)*		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	3.50	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	3.45	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	5.23	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	22.35	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	15.44	
31 68 13 00-0148		Hex Nuts *(31 68 13 00-0118)*		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	2.73	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	4.46	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	18.27	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	11.51	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	73.43	
31 68 13 00-0154		Drilling Operation For Rock Bolts *(31 68 13)*		
31 68 13 00-0155		Drill Holes For Rock Bolts *(31 68 13 00-0154)*		
31 68 13 00-0156		3/4" Diameter Bolt, 1-3/4" Hole *(31 68 13 00-0155)*		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	199.04	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	375.97	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	563.94	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	676.73	
31 68 13 00-0161		1" Diameter Bolt, 2" Hole *(31 68 13 00-0155)*		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	260.28	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	483.38	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	676.73	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	845.92	
31 68 13 00-0166		1-1/4" Diameter Bolt, 2-1/4" Hole *(31 68 13 00-0155)*		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	281.98	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	563.94	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	845.92	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	1,127.89	
31 68 13 00-0171		2" Diameter Bolt, 3-1/2" Hole *(31 68 13 00-0155)*		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	338.36	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	676.73	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	1,127.89	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,691.83	
31 68 13 00-0176		Tools *(31 68 13)*		
31 68 13 00-0177		Hydraulic Jacks, Monthly Rental *(31 68 13 00-0176)*		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	753.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	1,111.10	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	1,863.99	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	2,790.62	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	4,171.47	
31 68 13 00-0183		Torque Wrenches And Ratchet Adapter, Monthly Rental *(31 68 13 00-0176)*		
31 68 13 00-0184		0-500 Foot Pounds (0-678J) *(31 68 13 00-0183)*		
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental	263.83	
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	165.38	
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	429.53	
31 68 13 00-0188		0-600 Foot Pounds (0-814J) *(31 68 13 00-0183)*		
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	299.55	
31 68 13 00-0190		Up To 1,000 Foot Pounds (0-1356J) *(31 68 13 00-0183)*		
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	575.29	
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	141.89	
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	717.18	
31 68 13 00-0194		Torque Multiplier, 4:1 Multiplier *(31 68 13 00-0176)*		
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio	736.80	
31 68 13 00-0196		Pneumatic Drive Torque Wrench *(31 68 13 00-0176)*		
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	1,576.57	
31 68 13 00-0198		Grouting *(31 68 13)*		
31 68 13 00-0199		Grouting With Pumps *(31 68 13 00-0198)*		
		Note: Grout material and labor only.		
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery	24.00	
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery	37.76	
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery	34.81	
31 68 13 00-0203		Grout Pumps, Monthly Rental *(31 68 13 00-0198)*		
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental	175.13	
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental	1,473.24	
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental	2,572.15	
31 68 13 00-0207		Rock Bolt Testing *(31 68 13)*		
31 68 13 00-0208	EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing	622.43	

END OF SECTION 31

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements (32)

32 01 11 Paving Cleaning (32 01)

32 01 11 53 Paint Removal from Paving (32 01 11)

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings (32 01 11 53)
Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.30
		For Up To 250, Add	*1.15*
		For >250 To 1,000, Add	*0.58*
		For >5,000 To 10,000, Deduct	*-0.35*
		For >10,000 To 25,000, Deduct	*-0.58*
		For >25,000 To 50,000, Deduct	*-0.81*
		For >50,000, Deduct	*-0.92*
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.76
		For Up To 250, Add	*1.38*
		For >250 To 1,000, Add	*0.69*
		For >5,000 To 10,000, Deduct	*-0.41*
		For >10,000 To 25,000, Deduct	*-0.69*
		For >25,000 To 50,000, Deduct	*-0.97*
		For >50,000, Deduct	*-1.10*
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.30
		For Up To 250, Add	*1.65*
		For >250 To 1,000, Add	*0.83*
		For >5,000 To 10,000, Deduct	*-0.50*
		For >10,000 To 25,000, Deduct	*-0.83*
		For >25,000 To 50,000, Deduct	*-1.16*
		For >50,000, Deduct	*-1.32*
32 01 11 53-0005	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.96
		For Up To 250, Add	*1.98*
		For >250 To 1,000, Add	*0.99*
		For >5,000 To 10,000, Deduct	*-0.59*
		For >10,000 To 25,000, Deduct	*-0.99*
		For >25,000 To 50,000, Deduct	*-1.39*
		For >50,000, Deduct	*-1.58*
32 01 11 53-0006	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.96
		For Up To 250, Add	*1.98*
		For >250 To 1,000, Add	*0.99*
		For >5,000 To 10,000, Deduct	*-0.59*
		For >10,000 To 25,000, Deduct	*-0.99*
		For >25,000 To 50,000, Deduct	*-1.39*
		For >50,000, Deduct	*-1.58*
32 01 11 53-0007	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	2.95
		For Up To 250, Add	*1.48*
		For >250 To 1,000, Add	*0.74*
		For >5,000 To 10,000, Deduct	*-0.44*
		For >10,000 To 25,000, Deduct	*-0.74*
		For >25,000 To 50,000, Deduct	*-1.03*
		For >50,000, Deduct	*-1.18*
32 01 11 53-0008	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	3.49
		For Up To 250, Add	*1.75*
		For >250 To 1,000, Add	*0.87*
		For >5,000 To 10,000, Deduct	*-0.52*
		For >10,000 To 25,000, Deduct	*-0.87*
		For >25,000 To 50,000, Deduct	*-1.22*
		For >50,000, Deduct	*-1.40*
32 01 11 53-0009	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	4.21
		For Up To 250, Add	*2.11*
		For >250 To 1,000, Add	*1.05*
		For >5,000 To 10,000, Deduct	*-0.63*
		For >10,000 To 25,000, Deduct	*-1.05*
		For >25,000 To 50,000, Deduct	*-1.47*
		For >50,000, Deduct	*-1.68*
32 01 11 53-0010	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	5.04
		For Up To 250, Add	*2.52*
		For >250 To 1,000, Add	*1.26*
		For >5,000 To 10,000, Deduct	*-0.76*
		For >10,000 To 25,000, Deduct	*-1.26*
		For >25,000 To 50,000, Deduct	*-1.76*
		For >50,000, Deduct	*-2.02*
32 01 11 53-0011	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	5.04
		For Up To 250, Add	*2.52*
		For >250 To 1,000, Add	*1.26*
		For >5,000 To 10,000, Deduct	*-0.76*
		For >10,000 To 25,000, Deduct	*-1.26*
		For >25,000 To 50,000, Deduct	*-1.76*
		For >50,000, Deduct	*-2.02*

32 01 13 Flexible Paving Surface Treatment (32 01)

32 01 13 61 Slurry Seal (Latex Modified) (32 01 13)

32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot (32 01 13 61)
Note: Includes sweeping and cleaning of area.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0002	EA	Asphalt Seal Coating Minimum Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	941.43	
32 01 13 61-0003	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	5.06	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.34*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.40*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.50*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0004	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	4.72	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0005	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	4.48	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0006	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	4.25	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0007	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	4.02	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0008	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	3.83	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0009	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	6.39	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.35*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.41*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.51*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
32 01 13 61-0010	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	6.03	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.33*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.39*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.49*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
32 01 13 61-0011	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	5.77	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
32 01 13 61-0012	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	5.51	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
32 01 13 61-0013	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	5.28	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
32 01 13 61-0014	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	5.07	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	

32 01 13 62 Asphalt Surface Treatment *(32 01 13)*

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) *(32 01 13 62)*

Note: Use a blend of emulsified quickset polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	11.50
32 01 13 62-0003	SY	Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.96
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.47
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.08
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.71
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.38
32 01 13 62-0008	SY	>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.15
32 01 13 62-0009	SY	>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.04

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 16 Flexible Paving Rehabilitation *(32 01)*

See CSI section 33 01 30 86-0000 for raising manhole frame and cover.

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*

Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*

Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt	4.63	
		For Up To 2,500, Add	*3.47*	
		For >2,500 To 5,000, Add	*1.16*	
		For >10,000 To 25,000, Deduct	*-0.81*	
		For >25,000, Deduct	*-1.16*	
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	5.85	
		For Up To 2,500, Add	*4.39*	
		For >2,500 To 5,000, Add	*1.46*	
		For >10,000 To 25,000, Deduct	*-1.02*	
		For >25,000, Deduct	*-1.46*	
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	7.79	
		For Up To 2,500, Add	*5.84*	
		For >2,500 To 5,000, Add	*1.95*	
		For >10,000 To 25,000, Deduct	*-1.36*	
		For >25,000, Deduct	*-1.95*	

32 01 16 71-0006 Limited Production Cold Milling *(32 01 16 71-0001)*

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	30.83	
		For >100 To 1,000, Deduct	*-15.42*	
		For >1,000, Deduct	*-23.12*	
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	40.83	
		For >100 To 1,000, Deduct	*-20.42*	
		For >1,000, Deduct	*-30.62*	
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	54.37	
		For >100 To 1,000, Deduct	*-27.19*	
		For >1,000, Deduct	*-40.78*	

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	8.04

32 01 16 74 In Place Hot Reused Asphalt Paving *(32 01 16)*

32 01 16 74-0001 Rejuvenate And Respread Asphalt Pavement *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep	11.54
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	13.77
32 01 16 74-0004	TON	Removal, Rejuvenation, And Respreading Of Asphalt Grindings	209.74

32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0006	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	16.61
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	8.31
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.15
32 01 16 74-0009	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.94
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.53
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	18.12
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.06
32 01 16 74-0013	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.27
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	19.93
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.97
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.98
32 01 16 74-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.60
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	21.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.87	
32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.44	
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.07	
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	1,868.59	

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.94
		For 3/4" x 1/2" Fill, Add	*0.56*
		For 1" x 1/2" Fill, Add	*1.06*
		For Backer Rod, Add	*1.15*
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.58
		For 3/4" x 1/2" Fill, Add	*0.46*
		For 1" x 1/2" Fill, Add	*0.88*
		For Backer Rod, Add	*1.03*
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.26
		For 3/4" x 1/2" Fill, Add	*0.38*
		For 1" x 1/2" Fill, Add	*0.72*
		For Backer Rod, Add	*0.92*
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.10
		For 3/4" x 1/2" Fill, Add	*0.33*
		For 1" x 1/2" Fill, Add	*0.64*
		For Backer Rod, Add	*0.86*
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.97
		For 3/4" x 1/2" Fill, Add	*0.29*
		For 1" x 1/2" Fill, Add	*0.56*
		For Backer Rod, Add	*0.80*
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.89
		For 3/4" x 1/2" Fill, Add	*0.27*
		For 1" x 1/2" Fill, Add	*0.51*
		For Backer Rod, Add	*0.76*
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	3.33
		For 3/8" x 1/4" Fill, Add	*0.79*
		For 1/2" x 1/4" Fill, Add	*1.46*
		For 1/2" x 1/2" Fill, Add	*3.49*
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.69
		For 3/8" x 1/4" Fill, Add	*0.65*
		For 1/2" x 1/4" Fill, Add	*1.21*
		For 1/2" x 1/2" Fill, Add	*2.92*
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.08
		For 3/8" x 1/4" Fill, Add	*0.52*
		For 1/2" x 1/4" Fill, Add	*0.96*
		For 1/2" x 1/2" Fill, Add	*2.34*
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.83
		For 3/8" x 1/4" Fill, Add	*0.46*
		For 1/2" x 1/4" Fill, Add	*0.85*
		For 1/2" x 1/2" Fill, Add	*2.08*
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.65
		For 3/8" x 1/4" Fill, Add	*0.41*
		For 1/2" x 1/4" Fill, Add	*0.76*
		For 1/2" x 1/2" Fill, Add	*1.86*
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.54
		For 3/8" x 1/4" Fill, Add	*0.38*
		For 1/2" x 1/4" Fill, Add	*0.70*
		For 1/2" x 1/2" Fill, Add	*1.71*
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.58

32 01 17 63 Flexible Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,783.84
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	539.01
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,706.18
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	513.12
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,667.35
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	500.18

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,628.52	
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	487.24	

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,944.92	
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	631.99	
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,906.09	
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	619.05	
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,867.26	
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	606.11	

32 01 17 63-0017 Grind Asphalt *(32 01 17 63)*

32 01 17 63-0018	SY	Grinding Asphalt To Level Bump Or Raised Area	23.07	

32 01 17 63-0019 Asphalt Placement For Small Repairs *(32 01 17 63)*

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,539.50	
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	346.23	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,461.84	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	320.34	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,423.01	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	307.40	
32 01 17 63-0026	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,384.18	
32 01 17 63-0027	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	294.46	

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving of Concrete Paving *(32 01 26)*

32 01 26 71-0001 Roadway Grooving *(32 01 26 71)*

32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	4,260.39	
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	3.94	
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	4,746.22	
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	5.13	

32 01 26 71-0006 Rumble Strips *(32 01 26 71)*

32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt	4,762.25	
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt	0.87	
32 01 26 71-0009	EA	First 2,000 LF Of MIARDS, Rumble Strips, Concrete	5,307.09	
32 01 26 71-0010	LF	Each LF Over First 2,000 LF Of MIARDS, Rumble Strips, Concrete	0.97	

32 01 26 73 Milling Of Concrete Paving *(32 01 26)*

32 01 26 73-0001 Removal Of Concrete *(32 01 26 73)*

Note: Includes direct loading into truck.

32 01 26 73-0002 Production Milling Of Roads And Parking Areas *(32 01 26 73-0001)*

Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 26 73-0003	SY	Production Milling Of Concrete Per Inch	7.38	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 26 73-0004		Limited Production Milling *(32 01 26 73-0001)* Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 26 73-0005	SY	Limited Production Milling Of Concrete Per Inch	46.34	

32 01 29 Rigid Paving Repair *(32 01)*

32 01 29 61 Partial Depth Patching of Rigid Paving *(32 01 29)*

32 01 29 61-0001		Hot Applied Flexible Concrete Repair *(32 01 29 61)* Note: Excludes saw cutting (where required), flagmen.		
32 01 29 61-0002	EA	Hot Applied Flexible Concrete Repair Minimum Charge Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphalt charge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	1,283.38	
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair	71.46	
		For >25 SF Quantity, Deduct	*-7.15*	
32 01 29 61-0004	SF	>2" To 4" Depth, Hot Applied Flexible Concrete Repair	134.26	
		For >25 SF Quantity, Deduct	*-13.43*	
32 01 29 61-0005	SF	>4" To 6" Depth, Hot Applied Flexible Concrete Repair	196.47	
		For >25 SF Quantity, Deduct	*-19.65*	
32 01 29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair	258.70	
		For >25 SF Quantity, Deduct	*-25.87*	
32 01 29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair	320.92	
		For >25 SF Quantity, Deduct	*-32.09*	
32 01 29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	382.56	
32 01 29 61-0009		Cold Applied Flexible Concrete Repair *(32 01 29 61)*		
32 01 29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	7.01	
32 01 29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	10.09	
32 01 29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	13.28	
32 01 29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	16.60	
32 01 29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	23.69	
32 01 29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	7.10	
32 01 29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	10.18	
32 01 29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	13.37	
32 01 29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	16.69	
32 01 29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	23.78	
32 01 29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	7.05	
32 01 29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	10.13	
32 01 29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	13.32	
32 01 29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	16.64	
32 01 29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	23.73	

32 01 90 Operation and Maintenance of Planting *(32 01)*

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular)	16.10	
32 01 90 13-0002	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid)	11.59	
32 01 90 13-0003	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular)	12.71	
32 01 90 13-0004	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid)	10.38	

32 01 90 23 Pruning *(32 01 90)*

32 01 90 23-0001		Tree Pruning *(32 01 90 23)* Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.		
32 01 90 23-0002		Tree Pruning; Crown Cleaning *(32 01 90 23-0001)* Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.		
32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	33.04	
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	37.76	
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	42.48	
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	47.21	
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	71.73	
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	118.63	
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	125.53	
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	225.95	
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	201.03	
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	361.44	
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	232.29	
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	417.98	
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	270.04	
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	485.77	
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand	328.71	
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	587.53	
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	408.33	
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	740.48	
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand	559.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,003.59	
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand	887.26	
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,613.94	

32 01 90 23-0025 Tree Pruning; Crown Thinning *(32 01 90 23-0001)*

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	40.50	
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	46.25	
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	52.02	
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	57.87	
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	87.89	
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	145.28	
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	153.78	
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	276.79	
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	246.30	
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	442.75	
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	284.53	
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	512.00	
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	330.79	
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	595.04	
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	402.63	
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	719.76	
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	500.16	
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	907.08	
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	685.09	
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,229.40	
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,086.88	
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,977.07	

32 01 90 23-0048 Tree Pruning; Crown Raising *(32 01 90 23-0001)*

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	44.65	
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	50.98	
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	57.40	
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	63.73	
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	96.85	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	160.19	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	169.46	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	305.04	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	271.41	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	487.94	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	313.61	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	564.31	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	364.59	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	655.82	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	443.79	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	793.20	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	551.23	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	999.61	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	755.05	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,354.80	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,197.80	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,178.85	

32 01 90 23-0071 Tree Pruning; Crown Reduction *(32 01 90 23-0001)*

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	47.96	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	54.75	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	61.64	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	68.44	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	104.03	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	172.06	
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	182.01	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	327.63	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	291.52	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	524.10	
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	336.84	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	606.12	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	391.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	704.40	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	476.64	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	851.95	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	592.10	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,073.72	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	810.93	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,455.23	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,286.54	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	2,340.17	

32 01 90 23-0094 Tree Pruning; Crown Restoration *(32 01 90 23-0001)*

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	55.04	
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	62.97	
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	70.80	
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	78.63	
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	119.51	
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	197.70	
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand	209.20	
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	376.54	
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand	335.04	
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	602.38	
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand	387.15	
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	696.61	
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand	450.03	
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	809.58	
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand	547.82	
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	979.27	
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand	680.56	
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,234.14	
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand	932.15	
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,672.71	
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand	1,478.75	
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	2,689.94	

32 01 90 23-0117 Shrub Pruning *(32 01 90 23)*

32 01 90 23-0118	MSF	Shrub Pruning, Prune, Shrub Bed	107.57	
32 01 90 23-0119	EA	Shrub Pruning, Prune, Shrub Under 3' Height	3.77	
32 01 90 23-0120	EA	Shrub Pruning, Prune, Shrub 4' Height	8.50	
32 01 90 23-0121	EA	Shrub Pruning, Prune, Shrub Over 6'	15.10	
32 01 90 23-0122	EA	Shrub Pruning, Prune Trees From Ground	37.76	
32 01 90 23-0123	EA	Shrub Pruning, Prune Trees From Ground, High Work	94.40	

32 01 90 23-0124 Root Pruning *(32 01 90 23)*

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0125	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	18.88	
32 01 90 23-0126	EA	Root Pruning, One Side Of 2" Caliper Tree	23.60	
32 01 90 23-0127	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree	28.32	
32 01 90 23-0128	EA	Root Pruning, One Side Of 3" Caliper Tree	37.76	
32 01 90 23-0129	EA	Root Pruning, One Side Of 4" Caliper Tree	56.64	
32 01 90 23-0130	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree	70.80	
32 01 90 23-0131	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree	99.12	
32 01 90 23-0132	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree	113.28	
32 01 90 23-0133	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree	132.17	
32 01 90 23-0134	EA	Root Pruning, One Side Of >18' To 24" Caliper Tree	165.20	
32 01 90 23-0135	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree	202.97	
32 01 90 23-0136	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree	236.02	
32 01 90 23-0137	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree	259.61	
32 01 90 23-0138	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree	283.21	

32 01 90 26 Watering *(32 01 90)*

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees *(32 01 90 26)*

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond inital watering at installation for extended watering period of lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	49.68	
32 01 90 26-0003	CSF	Watering Groundcover	7.66	
32 01 90 26-0004	CSF	Watering Annuals And Perennials	13.54	
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand	26.14	
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	34.37	
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	42.59	
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	52.43	
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	13.14	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 90 36 Weed and Brush Control *(32 01 90)*

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF)	8.72	
		For >45 To 90, Deduct	*-0.48*	
		For >90 To 225, Deduct	*-1.35*	
		For >225 To 870, Deduct	*-2.22*	
		For >870, Deduct	*-2.70*	
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	9.40	
		For >45 To 90, Deduct	*-0.55*	
		For >90 To 225, Deduct	*-1.49*	
		For >225 To 870, Deduct	*-2.43*	
		For >870, Deduct	*-2.97*	
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF) Note: Includes pre and post emergent.	9.36	
		For >45 To 90, Deduct	*-0.54*	
		For >90 To 225, Deduct	*-1.48*	
		For >225 To 870, Deduct	*-2.41*	
		For >870, Deduct	*-2.96*	
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF) Note: Includes pre and post emergent.	9.78	
		For >45 To 90, Deduct	*-0.58*	
		For >90 To 225, Deduct	*-1.56*	
		For >225 To 870, Deduct	*-2.54*	
		For >870, Deduct	*-3.12*	

32 01 90 39 Pesticides *(32 01 90)*

32 01 90 39-0001	MSF	Pesticide - Surface Eating	12.11
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	12.16
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	13.22

32 05 Common Work Results for Exterior Improvements *(32)*

32 05 33 Common Work Results for Planting *(32 05)*

32 05 33 00-0001 Decorative Landscape Boulders *(32 05 33)*
Note: Includes delivery of materials and placement.

32 05 33 00-0002	EA	1 -6" x 2' x 1' Oval Shape Boulders (Approx. 250 Lb. Each)	87.32
32 05 33 00-0003	EA	1 -6" x 2' x 1'-6" Oval Shape Boulders (Approx. 375 Lb. Each)	130.99
32 05 33 00-0004	EA	2' x 2' x 1'-6" Oval Shape Boulders (Approx. 500 Lb. Each)	174.65
32 05 33 00-0005	EA	2' x 2' x 2' Oval Shape Boulders (Approx. 667 Lb. Each)	233.00
32 05 33 00-0006	EA	2' x 3' x 1'-6" Oval Shape Boulders (Approx. 750 Lb. Each)	262.26
32 05 33 00-0007	EA	2' x 3' x 2' Oval Shape Boulders (Approx. 1,000 Lb. Each)	349.68
32 05 33 00-0008	EA	2'-6" x 3' x 2' Oval Shape Boulders (Approx. 1,250 Lb. Each)	437.10
32 05 33 00-0009	EA	3' x 3' x 2' Oval Shape Boulders (Approx. 1,500 Lb. Each)	524.52
32 05 33 00-0010	EA	3' x 3'-6" x 2' Oval Shape Boulders (Approx. 1,750 Lb. Each)	611.94
32 05 33 00-0011	EA	3' x 4' x 2' Oval Shape Boulders (Approx. 2,000 Lb. Each)	699.35
32 05 33 00-0012	EA	3' x 3' x 3' Oval Shape Boulders (Approx. 2,250 Lb. Each)	786.77
32 05 33 00-0013	EA	3' x 4' x 2'-6" Oval Shape Boulders (Approx. 2,500 Lb. Each)	874.18
32 05 33 00-0014	EA	3' x 4' x 3' Oval Shape Boulders (Approx. 3,000 Lb. Each)	1,049.03
32 05 33 00-0015	TON	Landscape Boulders	699.35

32 10 Bases, Ballasts, and Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*
Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Class II Graded Crushed Aggregate Roadway Base Course	111.09
32 11 16 16-0004	CY	Class III Graded Crushed Aggregate Roadway Base Course	106.53

32 11 16 16-0005 Base And Subbase Courses For Roadways And Parking Areas By The SY *(32 11 16 16-0001)*

32 11 16 16-0006	SY	2" Crushed Aggregate Base Course For Roadways And Parking Areas	5.45	
		For Up To 500, Add		*1.42*
		For >500 To 1,000, Add		*0.55*
		For >5,000 To 10,000, Deduct		*-0.21*
		For >10,000, Deduct		*-0.35*
		For Limestone, Deduct		*-0.39*
32 11 16 16-0007	SY	4" Crushed Aggregate Base Course For Roadways And Parking Areas	10.16	
		For Up To 500, Add		*2.69*
		For >500 To 1,000, Add		*1.02*
		For >5,000 To 10,000, Deduct		*-0.39*
		For >10,000, Deduct		*-0.66*
		For Limestone, Deduct		*-0.65*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16 16-0008	SY	6" Crushed Aggregate Base Course For Roadways And Parking Areas	15.98	
		For Up To 500, Add	*4.18*	
		For >500 To 1,000, Add	*1.60*	
		For >5,000 To 10,000, Deduct	*-0.61*	
		For >10,000, Deduct	*-1.04*	
		For Limestone, Deduct	*-1.11*	
32 11 16 16-0009	SY	9" Crushed Aggregate Base Course For Roadways And Parking Areas	23.23	
		For Up To 500, Add	*6.13*	
		For >500 To 1,000, Add	*2.32*	
		For >5,000 To 10,000, Deduct	*-0.88*	
		For >10,000, Deduct	*-1.51*	
		For Limestone, Deduct	*-1.54*	
32 11 16 16-0010	SY	12" Crushed Aggregate Base Course For Roadways And Parking Areas	28.32	
		For Up To 500, Add	*7.22*	
		For >500 To 1,000, Add	*2.83*	
		For >5,000 To 10,000, Deduct	*-1.08*	
		For >10,000, Deduct	*-1.84*	
		For Limestone, Deduct	*-2.32*	

32 11 16 16-0011 Class II Base Courses By The SY *(32 11 16 16-0001)*

32 11 16 16-0012	SY	2" Class II Graded Crushed Aggregate Base Course	6.10	
		For Up To 500, Add	*1.55*	
		For >500 To 1,000, Add	*0.61*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000, Deduct	*-0.40*	
32 11 16 16-0013	SY	4" Class II Crushed Aggregate Base Course	12.21	
		For Up To 500, Add	*3.11*	
		For >500 To 1,000, Add	*1.22*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000, Deduct	*-0.79*	
32 11 16 16-0014	SY	6" Class II Crushed Aggregate Base Course	18.31	
		For Up To 500, Add	*4.66*	
		For >500 To 1,000, Add	*1.83*	
		For >5,000 To 10,000, Deduct	*-0.70*	
		For >10,000, Deduct	*-1.19*	
32 11 16 16-0015	SY	9" Class II Crushed Aggregate Base Course	27.46	
		For Up To 500, Add	*6.99*	
		For >500 To 1,000, Add	*2.75*	
		For >5,000 To 10,000, Deduct	*-1.04*	
		For >10,000, Deduct	*-1.78*	
32 11 16 16-0016	SY	12" Class II Crushed Aggregate Base Course	36.62	
		For Up To 500, Add	*9.32*	
		For >500 To 1,000, Add	*3.66*	
		For >5,000 To 10,000, Deduct	*-1.39*	
		For >10,000, Deduct	*-2.38*	

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.76	
		For Up To 1,000, Add	*0.21*	
		For >1,000 To 2,500, Add	*0.08*	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.07	
		For Up To 1,000, Add	*0.30*	
		For >1,000 To 2,500, Add	*0.11*	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.38	
		For Up To 1,000, Add	*0.38*	
		For >1,000 To 2,500, Add	*0.14*	
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.79	
		For Up To 1,000, Add	*0.49*	
		For >1,000 To 2,500, Add	*0.18*	
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.21	
		For Up To 1,000, Add	*0.61*	
		For >1,000 To 2,500, Add	*0.22*	
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.54	
		For Up To 1,000, Add	*0.70*	
		For >1,000 To 2,500, Add	*0.25*	
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.87	
		For Up To 1,000, Add	*0.79*	
		For >1,000 To 2,500, Add	*0.29*	

32 11 26 Asphaltic Base Courses *(32 11)*

32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

32 11 26 19-0001 Bituminous-Stabilized Base Courses *(32 11 26 19)*

32 11 26 19-0002	CY	Bituminous Stabilized Base Course Note: 3/4" ASTM C33.	111.47	

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.65	
		For Up To 150, Add	*0.12*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.72	
		For Up To 150, Add	*0.14*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.85	
		For Up To 150, Add	*0.17*	
		For >150 To 300, Add	*0.09*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.05*	
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.92	
		For Up To 150, Add	*0.19*	
		For >150 To 300, Add	*0.09*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.06*	
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	1.06	
		For Up To 150, Add	*0.23*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	1.12	
		For Up To 150, Add	*0.24*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.88	
		For Up To 150, Add	*0.42*	
		For >150 To 300, Add	*0.19*	
		For >300 To 500, Add	*0.09*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.13*	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	1.99	
		For Up To 150, Add	*0.45*	
		For >150 To 300, Add	*0.20*	
		For >300 To 500, Add	*0.10*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.14*	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	2.09	
		For Up To 150, Add	*0.48*	
		For >150 To 300, Add	*0.21*	
		For >300 To 500, Add	*0.10*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.15*	

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: S (3/4") aggregate gradation

32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Binder Course 3,954 Lb./CY Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	153.21	
		For Warm Mix Additive, Add	*7.73*	
		For Up To 25, Add	*21.49*	
		For >25 To 50, Add	*11.95*	
		For >500 To 1,000, Deduct	*-6.45*	
		For >1,000 To 2,500, Deduct	*-11.71*	
		For >2,500 To 5,000, Deduct	*-18.16*	
		For >5,000, Deduct	*-26.05*	
32 12 16 13-0003	SY	1" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	8.70	
		For Up To 1,000, Add	*1.26*	
		For >1,000 To 2,000, Add	*0.71*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000 To 50,000, Deduct	*-0.67*	
		For >50,000 To 100,000, Deduct	*-1.04*	
		For >100,000, Deduct	*-1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0004	SY	1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	12.90	
		For Up To 700, Add	*1.85*	
		For >700 To 1,400, Add	*1.03*	
		For >7,000 To 14,000, Deduct	*-0.55*	
		For >14,000 To 32,000, Deduct	*-1.01*	
		For >32,000 To 64,000, Deduct	*-1.56*	
		For >64,000, Deduct	*-2.24*	
32 12 16 13-0005	SY	2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	16.65	
		For Up To 500, Add	*2.31*	
		For >500 To 1,000, Add	*1.28*	
		For >5,000 To 10,000, Deduct	*-0.72*	
		For >10,000 To 24,000, Deduct	*-1.32*	
		For >24,000 To 48,000, Deduct	*-2.04*	
		For >48,000, Deduct	*-2.94*	
32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	21.03	
		For Up To 400, Add	*2.95*	
		For >400 To 800, Add	*1.64*	
		For >4,000 To 8,000, Deduct	*-0.91*	
		For >8,000 To 20,000, Deduct	*-1.66*	
		For >20,000 To 40,000, Deduct	*-2.57*	
		For >40,000, Deduct	*-3.69*	
32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	25.24	
		For Up To 340, Add	*3.54*	
		For >340 To 680, Add	*2.95*	
		For >3,400 To 6,800, Deduct	*-1.09*	
		For >6,800 To 17,000, Deduct	*-1.99*	
		For >17,000 To 34,000, Deduct	*-3.08*	
		For >34,000, Deduct	*-4.43*	
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	29.44	
		For Up To 280, Add	*4.13*	
		For >280 To 560, Add	*2.30*	
		For >2,800 To 5,600, Deduct	*-1.27*	
		For >5,600 To 14,000, Deduct	*-2.32*	
		For >14,000 To 28,000, Deduct	*-3.59*	
		For >28,000, Deduct	*-5.16*	
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	33.65	
		For Up To 250, Add	*4.72*	
		For >250 To 500, Add	*2.62*	
		For >2,500 To 5,000, Deduct	*-1.46*	
		For >5,000 To 12,000, Deduct	*-2.65*	
		For >12,000 To 24,000, Deduct	*-4.11*	
		For >24,000, Deduct	*-5.90*	
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	42.07	
		For Up To 200, Add	*5.90*	
		For >200 To 400, Add	*3.28*	
		For >2,000 To 4,000, Deduct	*-1.82*	
		For >4,000 To 10,000, Deduct	*-3.32*	
		For >10,000 To 20,000, Deduct	*-5.14*	
		For >20,000, Deduct	*-7.38*	
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	50.48	
		For Up To 160, Add	*7.08*	
		For >160 To 320, Add	*3.94*	
		For >1,600 To 3,200, Deduct	*-2.19*	
		For >3,200 To 8,000, Deduct	*-3.98*	
		For >8,000 To 16,000, Deduct	*-6.16*	
		For >16,000, Deduct	*-8.85*	

32 12 16 13-0012 Surface Wearing Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: SX (1/2") aggregate gradation

32 12 16 13-0013	TON	Bituminous Hot Mix Surface Wearing Course 3,774 Lb./CY Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	156.34	
		For PG64-10 Asphalt, Add	*8.51*	
		For Warm Mix Additive, Add	*7.38*	
		For Up To 25, Add	*23.35*	
		For >25 To 50, Add	*13.17*	
		For >500 To 1,000, Deduct	*-6.30*	
		For >1,000 To 2,500, Deduct	*-11.47*	
		For >2,500 To 5,000, Deduct	*-17.77*	
		For >5,000, Deduct	*-25.52*	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR) Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	173.70	
		For Warm Mix Additive, Add	*8.04*	
		For Up To 25, Add	*26.37*	
		For >25 To 50, Add	*14.94*	
		For >500 To 1,000, Deduct	*-6.92*	
		For >1,000 To 2,500, Deduct	*-12.60*	
		For >2,500 To 5,000, Deduct	*-19.52*	
		For >5,000, Deduct	*-28.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	185.05	
		For Warm Mix Additive, Add	*8.78*	
		For Up To 25, Add	*27.51*	
		For >25 To 50, Add	*15.50*	
		For >500 To 1,000, Deduct	*-7.49*	
		For >1,000 To 2,500, Deduct	*-13.62*	
		For >2,500 To 5,000, Deduct	*-21.11*	
		For >5,000, Deduct	*-30.31*	
32 12 16 13-0016	SY	1" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	8.53	
		For PG64-10 Asphalt, Add	*0.45*	
		For Up To 1,000, Add	*1.32*	
		For >1,000 To 2,000, Add	*0.75*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000 To 50,000, Deduct	*-0.64*	
		For >50,000 To 100,000, Deduct	*-0.99*	
		For >100,000, Deduct	*-1.42*	
32 12 16 13-0017	SY	1-1/2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	12.63	
		For PG64-10 Asphalt, Add	*0.67*	
		For Up To 700, Add	*1.93*	
		For >700 To 1,400, Add	*1.10*	
		For >7,000 To 14,000, Deduct	*-0.52*	
		For >14,000 To 32,000, Deduct	*-0.95*	
		For >32,000 To 64,000, Deduct	*-1.47*	
		For >64,000, Deduct	*-2.12*	
32 12 16 13-0018	SY	2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	16.18	
		For PG64-10 Asphalt, Add	*0.89*	
		For Up To 500, Add	*2.39*	
		For >500 To 1,000, Add	*1.34*	
		For >5,000 To 10,000, Deduct	*-0.68*	
		For >10,000 To 24,000, Deduct	*-1.24*	
		For >24,000 To 48,000, Deduct	*-1.92*	
		For >48,000, Deduct	*-2.77*	
32 12 16 13-0019	SY	2-1/2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	20.49	
		For PG64-10 Asphalt, Add	*1.12*	
		For Up To 400, Add	*3.06*	
		For >400 To 800, Add	*1.73*	
		For >4,000 To 8,000, Deduct	*-0.86*	
		For >8,000 To 20,000, Deduct	*-1.56*	
		For >20,000 To 40,000, Deduct	*-2.42*	
		For >40,000, Deduct	*-3.48*	
32 12 16 13-0020	SY	3" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	24.59	
		For PG64-10 Asphalt, Add	*1.34*	
		For Up To 340, Add	*3.67*	
		For >340 To 680, Add	*2.96*	
		For >3,400 To 6,800, Deduct	*-1.03*	
		For >6,800 To 17,000, Deduct	*-1.88*	
		For >17,000 To 34,000, Deduct	*-2.90*	
		For >34,000, Deduct	*-4.18*	
32 12 16 13-0021	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench	98.90	

32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0023	TON	Hand Placed Hot Mixed Asphalt 3,954 Lb./CY Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	396.96	

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	13.77	
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	13.37	
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	21.14	

32 12 16 39 Paving Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001 Geotextile Paving Fabrics *(32 12 16 39)*

32 12 16 39-0002	SY	3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	1.96	
		For Up To 50, Add	*0.44*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	
32 12 16 39-0003	SY	4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	2.11	
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 12 16 43 Waterproofing Membranes *(32 12 16)*

32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	37.95
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	28.29
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	17.32

32 12 33 Flexible Paving Surface Treatments *(32 12)*

32 12 33 00-0001 Bituminous Surface Treatment For Roadways *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.

32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	3.30
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	5.97

32 12 33 00-0004 Bituminous Surface Treatment For Trails *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.

32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	2.22

32 12 36 Seal Coats *(32 12)*

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats *(32 12 36)*

32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.

32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.43
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.91
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.69
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.43
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.29
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.17
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.04
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.96
		For Each Additional 0.5% Latex Additive, Add	*0.63*

32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.33
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.74
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.46
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.30
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.98
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.79
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.62
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.53
		For Each Additional 0.5% Latex Additive, Add	*0.78*

32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.14
		For Each Additional 0.5% Latex Additive, Add	*0.93*
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.49
		For Each Additional 0.5% Latex Additive, Add	*0.93*
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.16
		For Each Additional 0.5% Latex Additive, Add	*0.93*
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.79
		For Each Additional 0.5% Latex Additive, Add	*0.93*
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.59
		For Each Additional 0.5% Latex Additive, Add	*0.93*
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.30
		For Each Additional 0.5% Latex Additive, Add	*0.93*
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.11
		For Each Additional 0.5% Latex Additive, Add	*0.93*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.01	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	

32 12 36 13-0029 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)

(32 12 36 13-0001)

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0030	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.21	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0031	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.55	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0032	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.23	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0033	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.86	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0034	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.66	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0035	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.47	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.20	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.09	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	

32 12 36 13-0038 Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	10.90	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	10.04	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.56	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.00	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.71	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.35	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.06	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.93	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	

32 12 36 13-0047 Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.

32 12 36 13-0048 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0049	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.94	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0050	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.64	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0051	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.43	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0052	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.21	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0053	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.09	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0054	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.99	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0055	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.88	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0056	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.83	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	

32 12 36 13-0057 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0058	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.86	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0059	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.51	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0060	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.28	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0061	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.11	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0062	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.79	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0063	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.61	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0064	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.46	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0065	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.40	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	

32 12 36 13-0066 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0067	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.72	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0068	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.28	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0069	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.96	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0070	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.60	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0071	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.41	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0072	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.13	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0073	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.95	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0074	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.88	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	

32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)

(32 12 36 13-0047)

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0076	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.80	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0077	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.36	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0078	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.03	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0079	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.66	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0080	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.47	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0081	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.30	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0082	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.03	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0083	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.97	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	

32 12 36 13-0084 Fog Seal, CQS-1h *(32 12 36 13)*

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0085	SY	Up To 200 SY, CQS-1h, Fog Seal	2.00
32 12 36 13-0086	SY	>200 To 500 SY, CQS-1h, Fog Seal	1.46
32 12 36 13-0087	SY	>500 To 1,000 SY, CQS-1h, Fog Seal	1.25
32 12 36 13-0088	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	1.08
32 12 36 13-0089	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	0.98
32 12 36 13-0090	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.91
32 12 36 13-0091	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.85
32 12 36 13-0092	SY	>50,000 SY, CQS-1h, Fog Seal	0.82

32 12 36 13-0093 Sand Sealer *(32 12 36 13)*

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0094	SY	Up To 200 SY, Sand Seal	3.02
32 12 36 13-0095	SY	>200 To 500 SY, Sand Seal	2.02
32 12 36 13-0096	SY	>500 To 1,000 SY, Sand Seal	1.99
32 12 36 13-0097	SY	>1,000 To 5,000 SY, Sand Seal	1.76
32 12 36 13-0098	SY	>5,000 To 10,000 SY, Sand Seal	1.65
32 12 36 13-0099	SY	>10,000 To 20,000 SY, Sand Seal	1.54
32 12 36 13-0100	SY	>20,000 To 50,000 SY, Sand Seal	1.46
32 12 36 13-0101	SY	>50,000 SY, Sand Seal	1.44

32 12 36 16 Coal Tar Seal Coats *(32 12 36)*

32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal *(32 12 36 16)*

Note: Includes sweeping and cleaning of area.

32 12 36 16-0002	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	17.30
32 12 36 16-0003	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	16.32
32 12 36 16-0004	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	14.40
32 12 36 16-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	12.95
32 12 36 16-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	11.04
32 12 36 16-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	9.10
32 12 36 16-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	21.12
32 12 36 16-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	20.00
32 12 36 16-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	17.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 16-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	15.98	
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	13.67	
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	11.34	

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid *(32 12 43)*

Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	40.99
		Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc.; Grasspave2.	
		For Up To 100, Add	*13.75*
		For >100 To 500, Add	*3.45*
		For >1,000 To 5,000, Deduct	*-1.40*
		For >5,000, Deduct	*-2.91*

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001 Expansion Joint In Sidewalk *(32 12 73)*

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.71

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*

32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	64.81
		For 2,500 PSI Concrete, Deduct	*-3.87*
		For 3,000 PSI Concrete, Deduct	*-2.52*
		For 3,500 PSI Concrete, Deduct	*-2.02*
		For 4,000 PSI Concrete, Deduct	*-0.87*
		For 5,000 PSI Concrete, Add	*0.54*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.37*
		For <12' Wide Pass, Add	*11.16*
		For 24' Or Greater Wide Pass, Deduct	*-12.96*
		For Air Entrainment, Add	*1.68*
		For Slipforming, Deduct	*-6.48*
		For Up To 100, Add	*25.44*
		For >100 To 250, Add	*14.40*
		For >250 To 500, Add	*7.20*
		For >1,000 To 2,000, Deduct	*-1.68*
		For >2,000 To 5,000, Deduct	*-3.30*
		For >5,000 To 10,000, Deduct	*-4.92*
		For >10,000 To 20,000, Deduct	*-6.54*
		For >20,000, Deduct	*-8.16*
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	76.86
		For 2,500 PSI Concrete, Deduct	*-4.85*
		For 3,000 PSI Concrete, Deduct	*-3.17*
		For 3,500 PSI Concrete, Deduct	*-2.53*
		For 4,000 PSI Concrete, Deduct	*-1.10*
		For 5,000 PSI Concrete, Add	*0.68*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.49*
		For <12' Wide Pass, Add	*12.89*
		For 24' Or Greater Wide Pass, Deduct	*-15.37*
		For Air Entrainment, Add	*2.11*
		For Slipforming, Deduct	*-7.69*
		For Up To 100, Add	*29.24*
		For >100 To 250, Add	*16.73*
		For >250 To 500, Add	*8.36*
		For >1,000 To 2,000, Deduct	*-2.11*
		For >2,000 To 5,000, Deduct	*-4.03*
		For >5,000 To 10,000, Deduct	*-5.95*
		For >10,000 To 20,000, Deduct	*-7.87*
		For >20,000, Deduct	*-9.80*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	82.06	
		For 2,500 PSI Concrete, Deduct	*-5.12*	
		For 3,000 PSI Concrete, Deduct	*-3.34*	
		For 3,500 PSI Concrete, Deduct	*-2.67*	
		For 4,000 PSI Concrete, Deduct	*-1.16*	
		For 5,000 PSI Concrete, Add	*0.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.79*	
		For <12' Wide Pass, Add	*13.84*	
		For 24' Or Greater Wide Pass, Deduct	*-16.41*	
		For Air Entrainment, Add	*2.23*	
		For Slipforming, Deduct	*-8.21*	
		For Up To 100, Add	*31.43*	
		For >100 To 250, Add	*17.94*	
		For >250 To 500, Add	*8.97*	
		For >1,000 To 2,000, Deduct	*-2.23*	
		For >2,000 To 5,000, Deduct	*-4.28*	
		For >5,000 To 10,000, Deduct	*-6.33*	
		For >10,000 To 20,000, Deduct	*-8.38*	
		For >20,000, Deduct	*-10.43*	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	97.72	
		For 2,500 PSI Concrete, Deduct	*-6.45*	
		For 3,000 PSI Concrete, Deduct	*-4.21*	
		For 3,500 PSI Concrete, Deduct	*-3.37*	
		For 4,000 PSI Concrete, Deduct	*-1.46*	
		For 5,000 PSI Concrete, Add	*0.90*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.30*	
		For <12' Wide Pass, Add	*16.01*	
		For 24' Or Greater Wide Pass, Deduct	*-19.54*	
		For Air Entrainment, Add	*2.81*	
		For Slipforming, Deduct	*-9.77*	
		For Up To 100, Add	*36.18*	
		For >100 To 250, Add	*20.90*	
		For >250 To 500, Add	*10.45*	
		For >1,000 To 2,000, Deduct	*-2.81*	
		For >2,000 To 5,000, Deduct	*-5.25*	
		For >5,000 To 10,000, Deduct	*-7.69*	
		For >10,000 To 20,000, Deduct	*-10.14*	
		For >20,000, Deduct	*-12.58*	
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	111.52	
		For 2,500 PSI Concrete, Deduct	*-7.09*	
		For 3,000 PSI Concrete, Deduct	*-4.62*	
		For 3,500 PSI Concrete, Deduct	*-3.70*	
		For 4,000 PSI Concrete, Deduct	*-1.60*	
		For 5,000 PSI Concrete, Add	*0.99*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*8.01*	
		For <12' Wide Pass, Add	*18.64*	
		For 24' Or Greater Wide Pass, Deduct	*-22.30*	
		For Air Entrainment, Add	*3.08*	
		For Slipforming, Deduct	*-11.15*	
		For Up To 100, Add	*42.27*	
		For >100 To 250, Add	*24.21*	
		For >250 To 500, Add	*12.11*	
		For >1,000 To 2,000, Deduct	*-3.08*	
		For >2,000 To 5,000, Deduct	*-5.87*	
		For >5,000 To 10,000, Deduct	*-8.66*	
		For >10,000 To 20,000, Deduct	*-11.44*	
		For >20,000, Deduct	*-14.23*	
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	126.30	
		For 2,500 PSI Concrete, Deduct	*-8.19*	
		For 3,000 PSI Concrete, Deduct	*-5.34*	
		For 3,500 PSI Concrete, Deduct	*-4.27*	
		For 4,000 PSI Concrete, Deduct	*-1.85*	
		For 5,000 PSI Concrete, Add	*1.14*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*9.25*	
		For <12' Wide Pass, Add	*20.90*	
		For 24' Or Greater Wide Pass, Deduct	*-25.26*	
		For Air Entrainment, Add	*3.56*	
		For Slipforming, Deduct	*-12.63*	
		For Up To 100, Add	*47.30*	
		For >100 To 250, Add	*27.21*	
		For >250 To 500, Add	*13.61*	
		For >1,000 To 2,000, Deduct	*-3.56*	
		For >2,000 To 5,000, Deduct	*-6.72*	
		For >5,000 To 10,000, Deduct	*-9.87*	
		For >10,000 To 20,000, Deduct	*-13.03*	
		For >20,000, Deduct	*-16.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	140.70	
		For 2,500 PSI Concrete, Deduct	*-9.01*	
		For 3,000 PSI Concrete, Deduct	*-5.87*	
		For 3,500 PSI Concrete, Deduct	*-4.70*	
		For 4,000 PSI Concrete, Deduct	*-2.04*	
		For 5,000 PSI Concrete, Add	*1.25*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*10.18*	
		For <12' Wide Pass, Add	*23.43*	
		For 24' Or Greater Wide Pass, Deduct	*-28.14*	
		For Air Entrainment, Add	*3.92*	
		For Slipforming, Deduct	*-14.07*	
		For Up To 100, Add	*53.10*	
		For >100 To 250, Add	*30.46*	
		For >250 To 500, Add	*15.23*	
		For >1,000 To 2,000, Deduct	*-3.92*	
		For >2,000 To 5,000, Deduct	*-7.43*	
		For >5,000 To 10,000, Deduct	*-10.95*	
		For >10,000 To 20,000, Deduct	*-14.47*	
		For >20,000, Deduct	*-17.99*	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	167.60	
		For 2,500 PSI Concrete, Deduct	*-10.66*	
		For 3,000 PSI Concrete, Deduct	*-6.95*	
		For 3,500 PSI Concrete, Deduct	*-5.56*	
		For 4,000 PSI Concrete, Deduct	*-2.41*	
		For 5,000 PSI Concrete, Add	*1.48*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*12.05*	
		For <12' Wide Pass, Add	*27.99*	
		For 24' Or Greater Wide Pass, Deduct	*-33.52*	
		For Air Entrainment, Add	*4.64*	
		For Slipforming, Deduct	*-16.76*	
		For Up To 100, Add	*63.47*	
		For >100 To 250, Add	*36.37*	
		For >250 To 500, Add	*18.19*	
		For >1,000 To 2,000, Deduct	*-4.64*	
		For >2,000 To 5,000, Deduct	*-8.83*	
		For >5,000 To 10,000, Deduct	*-13.02*	
		For >10,000 To 20,000, Deduct	*-17.21*	
		For >20,000, Deduct	*-21.40*	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	213.24	
		For 2,500 PSI Concrete, Deduct	*-13.10*	
		For 3,000 PSI Concrete, Deduct	*-8.54*	
		For 3,500 PSI Concrete, Deduct	*-6.83*	
		For 4,000 PSI Concrete, Deduct	*-2.96*	
		For 5,000 PSI Concrete, Add	*1.82*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*14.80*	
		For <12' Wide Pass, Add	*36.23*	
		For 24' Or Greater Wide Pass, Deduct	*-42.65*	
		For Air Entrainment, Add	*5.69*	
		For Slipforming, Deduct	*-21.32*	
		For Up To 100, Add	*82.39*	
		For >100 To 250, Add	*46.89*	
		For >250 To 500, Add	*23.45*	
		For >1,000 To 2,000, Deduct	*-5.69*	
		For >2,000 To 5,000, Deduct	*-11.03*	
		For >5,000 To 10,000, Deduct	*-16.36*	
		For >10,000 To 20,000, Deduct	*-21.69*	
		For >20,000, Deduct	*-27.02*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	5.50	

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assemblies *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	18.58	
		For >5,000 To 30,000, Deduct	*-1.98*	
		For >30,000 To 100,000, Deduct	*-3.61*	
		For >100,000, Deduct	*-4.49*	
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	23.63	
		For >5,000 To 30,000, Deduct	*-2.44*	
		For >30,000 To 100,000, Deduct	*-4.38*	
		For >100,000, Deduct	*-5.44*	

32 13 73 Concrete Paving Joint Sealants *(32 13)*

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 13-0001 Concrete Pavement Joint And Crack Repair *(32 13 73 13)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002 Silicone Concrete Pavement Joint And Crack Repair *(32 13 73 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 13-0003	CLF	1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	635.96	
		For Custom Match Coloring, Add	*20.74*	
		For 1 Part Mildew Resistant, Add	*30.25*	
		For High-Modulus Non-Acid Curing, Add	*17.29*	
32 13 73 13-0004	CLF	1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	715.82	
		For Custom Match Coloring, Add	*31.12*	
		For 1 Part Mildew Resistant, Add	*45.38*	
		For High-Modulus Non-Acid Curing, Add	*25.93*	
32 13 73 13-0005	CLF	1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	795.66	
		For Custom Match Coloring, Add	*41.49*	
		For 1 Part Mildew Resistant, Add	*60.50*	
		For High-Modulus Non-Acid Curing, Add	*34.57*	
32 13 73 13-0006	CLF	3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	817.27	
		For Custom Match Coloring, Add	*46.67*	
		For 1 Part Mildew Resistant, Add	*68.06*	
		For High-Modulus Non-Acid Curing, Add	*38.89*	
32 13 73 13-0007	CLF	3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	900.41	
		For Custom Match Coloring, Add	*62.23*	
		For 1 Part Mildew Resistant, Add	*90.75*	
		For High-Modulus Non-Acid Curing, Add	*51.86*	
32 13 73 13-0008	CLF	3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	983.55	
		For Custom Match Coloring, Add	*77.79*	
		For 1 Part Mildew Resistant, Add	*113.44*	
		For High-Modulus Non-Acid Curing, Add	*64.82*	
32 13 73 13-0009	CLF	3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,085.01	
		For Custom Match Coloring, Add	*93.35*	
		For 1 Part Mildew Resistant, Add	*136.13*	
		For High-Modulus Non-Acid Curing, Add	*77.79*	
32 13 73 13-0010	CLF	1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,005.16	
		For Custom Match Coloring, Add	*82.97*	
		For 1 Part Mildew Resistant, Add	*121.00*	
		For High-Modulus Non-Acid Curing, Add	*69.14*	
32 13 73 13-0011	CLF	1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,164.86	
		For Custom Match Coloring, Add	*103.72*	
		For 1 Part Mildew Resistant, Add	*151.25*	
		For High-Modulus Non-Acid Curing, Add	*86.43*	
32 13 73 13-0012	CLF	1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,287.92	
		For Custom Match Coloring, Add	*124.46*	
		For 1 Part Mildew Resistant, Add	*181.50*	
		For High-Modulus Non-Acid Curing, Add	*103.72*	
32 13 73 13-0013	CLF	1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,411.00	
		For Custom Match Coloring, Add	*145.20*	
		For 1 Part Mildew Resistant, Add	*211.75*	
		For High-Modulus Non-Acid Curing, Add	*121.00*	
32 13 73 13-0014	CLF	1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,515.74	
		For Custom Match Coloring, Add	*165.95*	
		For 1 Part Mildew Resistant, Add	*242.00*	
		For High-Modulus Non-Acid Curing, Add	*138.29*	
32 13 73 13-0015	CLF	3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,620.49	
		For Custom Match Coloring, Add	*186.69*	
		For 1 Part Mildew Resistant, Add	*272.25*	
		For High-Modulus Non-Acid Curing, Add	*155.57*	
32 13 73 13-0016	CLF	3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,959.64	
		For Custom Match Coloring, Add	*259.29*	
		For 1 Part Mildew Resistant, Add	*378.13*	
		For High-Modulus Non-Acid Curing, Add	*216.08*	
32 13 73 13-0017	CLF	1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,298.77	
		For Custom Match Coloring, Add	*331.89*	
		For 1 Part Mildew Resistant, Add	*484.01*	
		For High-Modulus Non-Acid Curing, Add	*276.58*	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	14.21	

32 13 73 19 Compression Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)*

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.75	2.69
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.42	2.75
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	13.33	2.80
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	16.38	2.86
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	19.49	2.91
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	25.58	2.97
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	39.23	3.03

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 09 00-0001		**Paver Restraints** *(32 14 09)* Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	5.26	1.17
		For >1,000 To 2,000, Deduct	*-0.75*	
		For >2,000 To 4,000, Deduct	*-1.09*	
		For >4,000, Deduct	*-1.39*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	5.71	1.17
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000 To 2,000, Deduct	*-0.39*	
		For >2,000, Deduct	*-0.58*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	5.49	1.17
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 1,500, Deduct	*-0.91*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	6.50	1.17
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000 To 1,500, Deduct	*-1.16*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	8.46	1.17
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 1,500, Deduct	*-1.65*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	9.96	1.17
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 1,500, Deduct	*-2.03*	
32 14 11		**Bedding for Unit Paving** *(32 14)*		
32 14 11 00-0001		**Bedding For Brick, Precast Concrete Paver And Stone Sidewalk** *(32 14 11)* Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 14 11 00-0002	SF	1" To 2" Screeded Sand Bedding	1.10	
		For Up To 100, Add	*0.50*	
		For >100 To 500, Add	*0.14*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.14*	
32 14 11 00-0003	SF	1" To 2" Screeded Stone Dust Bedding	1.27	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.15*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.14*	
32 14 11 00-0004	SF	3" Screeded Stone Dust Bedding	1.62	
		For Up To 100, Add	*0.67*	
		For >100 To 500, Add	*0.19*	
		For >1,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.17*	
32 14 11 00-0005	SF	4" Screeded Stone Dust Bedding	2.05	
		For Up To 100, Add	*0.84*	
		For >100 To 500, Add	*0.23*	
		For >1,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.22*	
32 14 11 00-0006	SF	1" Mortar Bedding	3.62	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.47*	
		For >1,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.46*	
32 14 11 00-0007	SF	2" Mortar Bedding	5.30	
		For Up To 100, Add	*2.30*	
		For >100 To 500, Add	*0.65*	
		For >1,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.81	
		For Up To 100, Add	*0.84*	
		For >100 To 500, Add	*0.25*	
		For >1,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.24*	
32 14 13		**Precast Concrete Unit Paving** *(32 14)*		
32 14 13 16		**Precast Concrete Unit Paving Slabs** *(32 14 13)*		
32 14 13 16-0001		**Precast Concrete Paver Sidewalk** *(32 14 13 16)* Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.	12.99	3.64
		For 2-3/4" Concrete Paver, Add	*1.22*	
		For 3-1/8" Concrete Paver, Add	*1.97*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.01*	
		For Up To 100, Add	*5.07*	
		For >100 To 500, Add	*1.38*	
		For >1,000 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.	12.33	3.32
		For 2-3/4" Concrete Paver, Add	*1.19*	
		For 3-1/8" Concrete Paver, Add	*1.92*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.95*	
		For Up To 100, Add	*4.74*	
		For >100 To 500, Add	*1.28*	
		For >1,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.17*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver Note: Includes 6" x 12", 12" x 12" and other similar size pavers.	11.72	2.63
		For 2-3/4" Concrete Paver, Add	*1.16*	
		For 3-1/8" Concrete Paver, Add	*1.88*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.89*	
		For Up To 100, Add	*4.44*	
		For >100 To 500, Add	*1.19*	
		For >1,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-1.07*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.	11.18	2.74
		For 2-3/4" Concrete Paver, Add	*1.13*	
		For 3-1/8" Concrete Paver, Add	*1.84*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.83*	
		For Up To 100, Add	*4.17*	
		For >100 To 500, Add	*1.11*	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.99*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	12.02	3.15
		For 2-3/4" Concrete Paver, Add	*1.17*	
		For 3-1/8" Concrete Paver, Add	*1.90*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.92*	
		For Up To 100, Add	*4.59*	
		For >100 To 500, Add	*1.23*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.12*	

32 14 13 19 Porous Precast Concrete Unit Paving *(32 14 13)*

32 14 13 19-0001 Turf Block *(32 14 13 19)*
Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	13.19	3.15
		For Up To 100, Add	*4.88*	
		For >100 To 500, Add	*1.29*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.15*	

32 14 16 Brick Unit Paving *(32 14)*

32 14 16 00-0001 Brick Paver Sidewalk *(32 14 16)*
Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	16.32	3.64
		For 1-3/8" Thick Paver, Deduct	*-3.53*	
		For 2-3/4" Thick Paver (Vehicular), Add	*8.07*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.18*	
		For Up To 100, Add	*5.90*	
		For >100 To 500, Add	*1.55*	
		For >1,000 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.36*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	24.35	4.15
		For 1-3/8" Thick Paver, Deduct	*-6.04*	
		For 2-3/4" Thick Paver (Vehicular), Add	*14.12*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.63*	
		For Up To 100, Add	*8.16*	
		For >100 To 500, Add	*2.05*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.73*	

32 14 33 Plastic Paving *(32 14)*

32 14 33 13 Permeable Plastic Paving *(32 14 33)*

32 14 33 13-0001 Turf Block Plastic Paving *(32 14 33 13)*

32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	19.95	3.15
		For Up To 100, Add	*6.57*	
		For >100 To 500, Add	*1.63*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.36*	

32 14 40 Stone Paving *(32 14)*

32 14 40 00-0001 Slate Paver Sidewalk *(32 14 40)*
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver	16.80	3.02
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.14*	
		For Up To 100, Add	*5.71*	
		For >100 To 500, Add	*1.44*	
		For >1,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-1.23*	
		For 1/4" Thick Paver, Deduct	*-8.40*	
		For 1/2" Thick Paver, Deduct	*-5.86*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver	16.26	2.74
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.09*	
		For Up To 100, Add	*5.44*	
		For >100 To 500, Add	*1.36*	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-1.15*	
		For 1/4" Thick Paver, Deduct	*-8.27*	
		For 1/2" Thick Paver, Deduct	*-5.78*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver	15.31	2.26
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.99*	
		For Up To 100, Add	*4.96*	
		For >100 To 500, Add	*1.22*	
		For >1,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-1.00*	
		For 1/4" Thick Paver, Deduct	*-8.03*	
		For 1/2" Thick Paver, Deduct	*-5.64*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver	14.90	2.06
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.95*	
		For Up To 100, Add	*4.76*	
		For >100 To 500, Add	*1.16*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.94*	
		For 1/4" Thick Paver, Deduct	*-7.93*	
		For 1/2" Thick Paver, Deduct	*-5.58*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns	15.74	2.48
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.04*	
		For Up To 100, Add	*5.18*	
		For >100 To 500, Add	*1.28*	
		For >1,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-1.07*	
		For 1/4" Thick Paver, Deduct	*-8.14*	
		For 1/2" Thick Paver, Deduct	*-5.70*	

32 14 40 00-0007 Granite Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver	31.52	3.02
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.88*	
		For 2" Granite Paver, Add	*1.58*	
		For 3" Granite Paver, Add	*3.15*	
		For 4" Granite Paver, Add	*3.45*	
		For Up To 100, Add	*9.39*	
		For >100 To 500, Add	*2.18*	
		For >1,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-1.67*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver	30.98	2.74
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.82*	
		For 2" Granite Paver, Add	*1.55*	
		For 3" Granite Paver, Add	*3.10*	
		For 4" Granite Paver, Add	*3.37*	
		For Up To 100, Add	*9.12*	
		For >100 To 500, Add	*2.10*	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-1.59*	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver	30.03	2.26
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.73*	
		For 2" Granite Paver, Add	*1.50*	
		For 3" Granite Paver, Add	*3.00*	
		For 4" Granite Paver, Add	*3.23*	
		For Up To 100, Add	*8.64*	
		For >100 To 500, Add	*1.95*	
		For >1,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-1.44*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver	29.62	2.06
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.69*	
		For 2" Granite Paver, Add	*1.48*	
		For 3" Granite Paver, Add	*2.96*	
		For 4" Granite Paver, Add	*3.17*	
		For Up To 100, Add	*8.44*	
		For >100 To 500, Add	*1.89*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	30.46	2.48
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.77*	
		For 2" Granite Paver, Add	*1.52*	
		For 3" Granite Paver, Add	*3.05*	
		For 4" Granite Paver, Add	*3.29*	
		For Up To 100, Add	*8.86*	
		For >100 To 500, Add	*2.02*	
		For >1,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-1.51*	

32 15 Aggregate Surfacing *(32 10)*

32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0002	CY	Gravel Surfacing And Spreading	106.79

32 15 40 00-0003 Limestone Screenings *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.

32 15 40 00-0004	CY	Limestone Screenings For Trail	76.29

32 15 40 00-0005 Decomposed Granite *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway Note: Placed in 2 lifts.	20.16	
		For Additional 2" Lift	*10.08*	
		For >45 To 180, Deduct	*-1.35*	
		For >180 To 450, Deduct	*-1.68*	
		For >450, Deduct	*-2.02*	

32 16 Curbs, Gutters, Sidewalks, and Driveways *(32 10)*

32 16 13 Curbs and Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 CALTRANs Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0002	LF	CALTRANs Type A1-6 Straight Concrete Curb Assembly	28.93	12.16
		For Up To 20, Add	*16.43*	
		For >20 To 50, Add	*9.28*	
		For >50 To 100, Add	*3.57*	
		For >500 To 1,000, Deduct	*-3.57*	
		For >1,000, Deduct	*-6.09*	
32 16 13 13-0003	LF	CALTRANs Type A1-6 Radius Concrete Curb Assembly	32.34	13.99
		For Up To 20, Add	*18.78*	
		For >20 To 50, Add	*10.62*	
		For >50 To 100, Add	*4.08*	
		For >500 To 1,000, Deduct	*-4.08*	
		For >1,000, Deduct	*-6.93*	
32 16 13 13-0004	LF	CALTRANs Type A1-8 Straight Concrete Curb Assembly	30.15	12.16
		For Up To 20, Add	*17.89*	
		For >20 To 50, Add	*10.13*	
		For >50 To 100, Add	*3.88*	
		For >500 To 1,000, Deduct	*-3.88*	
		For >1,000, Deduct	*-6.57*	
32 16 13 13-0005	LF	CALTRANs Type A1-8 Radius Concrete Curb Assembly	32.35	13.99
		For Up To 20, Add	*19.39*	
		For >20 To 50, Add	*10.99*	
		For >50 To 100, Add	*4.20*	
		For >500 To 1,000, Deduct	*-4.20*	
		For >1,000, Deduct	*-7.11*	
32 16 13 13-0006	LF	CALTRANs Type A3-6 Straight Concrete Curb Assembly	15.52	8.22
		For Up To 20, Add	*9.18*	
		For >20 To 50, Add	*5.20*	
		For >50 To 100, Add	*1.99*	
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000, Deduct	*-3.38*	
32 16 13 13-0007	LF	CALTRANs Type A3-6 Radius Concrete Curb Assembly	17.95	9.49
		For Up To 20, Add	*10.89*	
		For >20 To 50, Add	*6.17*	
		For >50 To 100, Add	*2.36*	
		For >500 To 1,000, Deduct	*-2.36*	
		For >1,000, Deduct	*-3.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0008	LF	CALTRANs Type A3-8 Straight Concrete Curb Assembly	17.22	8.51
		For Up To 20, Add	*10.01*	
		For >20 To 50, Add	*5.66*	
		For >50 To 100, Add	*2.17*	
		For >500 To 1,000, Deduct	*-2.17*	
		For >1,000, Deduct	*-3.69*	
32 16 13 13-0009	LF	CALTRANs Type A3-8 Radius Concrete Curb Assembly	19.78	10.21
		For Up To 20, Add	*11.80*	
		For >20 To 50, Add	*6.69*	
		For >50 To 100, Add	*2.56*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000, Deduct	*-4.33*	
32 16 13 13-0010	LF	CALTRANs Type B1-4 Straight Concrete Curb Assembly	26.37	12.16
		For Up To 20, Add	*15.00*	
		For >20 To 50, Add	*8.47*	
		For >50 To 100, Add	*3.26*	
		For >500 To 1,000, Deduct	*-3.26*	
		For >1,000, Deduct	*-5.55*	
32 16 13 13-0011	LF	CALTRANs Type B1-4 Straight Concrete Curb Assembly	29.49	13.99
		For Up To 20, Add	*17.15*	
		For >20 To 50, Add	*9.70*	
		For >50 To 100, Add	*3.72*	
		For >500 To 1,000, Deduct	*-3.72*	
		For >1,000, Deduct	*-6.32*	
32 16 13 13-0012	LF	CALTRANs Type B1-6 Straight Concrete Curb Assembly	29.56	12.16
		For Up To 20, Add	*16.55*	
		For >20 To 50, Add	*9.34*	
		For >50 To 100, Add	*3.61*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000, Deduct	*-6.15*	
32 16 13 13-0013	LF	CALTRANs Type B1-6 Radius Concrete Curb Assembly	32.97	13.99
		For Up To 20, Add	*18.90*	
		For >20 To 50, Add	*10.68*	
		For >50 To 100, Add	*4.11*	
		For >500 To 1,000, Deduct	*-4.11*	
		For >1,000, Deduct	*-6.99*	
32 16 13 13-0014	LF	CALTRANs Type B3-4 Straight Concrete Curb Assembly	112.08	7.42
		For Up To 20, Add	*77.14*	
		For >20 To 50, Add	*44.04*	
		For >50 To 100, Add	*16.55*	
		For >500 To 1,000, Deduct	*-16.55*	
		For >1,000, Deduct	*-27.62*	
32 16 13 13-0015	LF	CALTRANs Type B3-4 Radius Concrete Curb Assembly	15.77	8.51
		For Up To 20, Add	*9.72*	
		For >20 To 50, Add	*5.52*	
		For >50 To 100, Add	*2.10*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000, Deduct	*-3.55*	
32 16 13 13-0016	LF	CALTRANs Type B3-6 Straight Concrete Curb Assembly	15.23	7.66
		For Up To 20, Add	*8.95*	
		For >20 To 50, Add	*5.06*	
		For >50 To 100, Add	*1.94*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-3.29*	
32 16 13 13-0017	LF	CALTRANs Type B3-6 Radius Concrete Curb Assembly	17.54	9.24
		For Up To 20, Add	*10.56*	
		For >20 To 50, Add	*5.99*	
		For >50 To 100, Add	*2.29*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.87*	
32 16 13 13-0018	LF	CALTRANs Type D-4 Straight Concrete Curb Assembly	29.84	12.16
		For Up To 20, Add	*15.69*	
		For >20 To 50, Add	*8.82*	
		For >50 To 100, Add	*3.44*	
		For >500 To 1,000, Deduct	*-3.44*	
		For >1,000, Deduct	*-5.90*	
32 16 13 13-0019	LF	CALTRANs Type D-4 Radius Concrete Curb Assembly	32.96	13.99
		For Up To 20, Add	*17.84*	
		For >20 To 50, Add	*10.05*	
		For >50 To 100, Add	*3.90*	
		For >500 To 1,000, Deduct	*-3.90*	
		For >1,000, Deduct	*-6.67*	
32 16 13 13-0020	LF	CALTRANs Type D-6 Straight Concrete Curb Assembly	34.80	12.16
		For Up To 20, Add	*16.69*	
		For >20 To 50, Add	*9.32*	
		For >50 To 100, Add	*3.69*	
		For >500 To 1,000, Deduct	*-3.69*	
		For >1,000, Deduct	*-6.40*	
32 16 13 13-0021	LF	CALTRANs Type D-6 Radius Concrete Curb Assembly	37.92	13.99
		For Up To 20, Add	*18.83*	
		For >20 To 50, Add	*10.54*	
		For >50 To 100, Add	*4.15*	
		For >500 To 1,000, Deduct	*-4.15*	
		For >1,000, Deduct	*-7.17*	

32 16 13 13-0022 CALTRANs Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0023	LF	CALTRANs Type A2-6 Straight Concrete Curb And Gutter Assembly	59.55	22.87
		For Up To 20, Add	*40.30*	
		For >20 To 50, Add	*22.44*	
		For >50 To 100, Add	*8.93*	
		For >500 To 1,000, Deduct	*-7.55*	
		For >1,000, Deduct	*-12.81*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.81*	
32 16 13 13-0024	LF	CALTRANs Type A2-6 Radius Concrete Curb And Gutter Assembly	64.36	25.28
		For Up To 20, Add	*43.67*	
		For >20 To 50, Add	*24.36*	
		For >50 To 100, Add	*9.65*	
		For >500 To 1,000, Deduct	*-8.27*	
		For >1,000, Deduct	*-14.02*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.29*	
32 16 13 13-0025	LF	CALTRANs Type A2-8 Straight Concrete Curb And Gutter Assembly	63.99	22.87
		For Up To 20, Add	*43.31*	
		For >20 To 50, Add	*24.11*	
		For >50 To 100, Add	*9.60*	
		For >500 To 1,000, Deduct	*-8.12*	
		For >1,000, Deduct	*-13.77*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.10*	
32 16 13 13-0026	LF	CALTRANs Type A2-8 Radius Concrete Curb And Gutter Assembly	69.16	25.28
		For Up To 20, Add	*46.93*	
		For >20 To 50, Add	*26.18*	
		For >50 To 100, Add	*10.37*	
		For >500 To 1,000, Deduct	*-8.89*	
		For >1,000, Deduct	*-15.07*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.62*	
32 16 13 13-0027	LF	CALTRANs Type B2-4 Straight Concrete Curb And Gutter Assembly	33.32	13.12
		For Up To 20, Add	*22.01*	
		For >20 To 50, Add	*12.02*	
		For >50 To 100, Add	*5.00*	
		For >500 To 1,000, Deduct	*-3.69*	
		For >1,000, Deduct	*-6.36*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.30*	
32 16 13 13-0028	LF	CALTRANs Type B2-4 Radius Concrete Curb And Gutter Assembly	35.25	14.44
		For Up To 20, Add	*23.36*	
		For >20 To 50, Add	*12.79*	
		For >50 To 100, Add	*5.29*	
		For >500 To 1,000, Deduct	*-3.98*	
		For >1,000, Deduct	*-6.85*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.49*	
32 16 13 13-0029	LF	CALTRANs Type B2-6 Straight Concrete Curb And Gutter Assembly	39.59	14.44
		For Up To 20, Add	*26.28*	
		For >20 To 50, Add	*14.41*	
		For >50 To 100, Add	*5.94*	
		For >500 To 1,000, Deduct	*-4.51*	
		For >1,000, Deduct	*-7.75*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.74*	
32 16 13 13-0030	LF	CALTRANs Type B2-6 Radius Concrete Curb And Gutter Assembly	41.99	19.26
		For Up To 20, Add	*27.96*	
		For >20 To 50, Add	*15.37*	
		For >50 To 100, Add	*6.30*	
		For >500 To 1,000, Deduct	*-4.87*	
		For >1,000, Deduct	*-8.35*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.98*	
32 16 13 13-0031	LF	CALTRANs Type B4-6 Straight Concrete Curb And Gutter Assembly	63.77	25.15
		For Up To 20, Add	*43.29*	
		For >20 To 50, Add	*24.16*	
		For >50 To 100, Add	*9.57*	
		For >500 To 1,000, Deduct	*-8.22*	
		For >1,000, Deduct	*-13.92*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.29*	
32 16 13 13-0032	LF	CALTRANs Type B4-6 Radius Concrete Curb And Gutter Assembly	68.34	27.44
		For Up To 20, Add	*46.49*	
		For >20 To 50, Add	*25.99*	
		For >50 To 100, Add	*10.25*	
		For >500 To 1,000, Deduct	*-8.91*	
		For >1,000, Deduct	*-15.07*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.75*	
32 16 13 13-0033	LF	CALTRANs Type E Straight Concrete Curb And Gutter Assembly	68.15	26.48
		For Up To 20, Add	*46.19*	
		For >20 To 50, Add	*25.74*	
		For >50 To 100, Add	*10.22*	
		For >500 To 1,000, Deduct	*-8.70*	
		For >1,000, Deduct	*-14.76*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.46*	
32 16 13 13-0034	LF	CALTRANs Type E Radius Concrete Curb And Gutter Assembly	72.97	28.88
		For Up To 20, Add	*49.56*	
		For >20 To 50, Add	*27.67*	
		For >50 To 100, Add	*10.95*	
		For >500 To 1,000, Deduct	*-9.43*	
		For >1,000, Deduct	*-15.96*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.94*	

32 16 13 13-0035 Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0036	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	33.90	14.44
		For Up To 20, Add	*22.87*	
		For >20 To 50, Add	*12.70*	
		For >50 To 100, Add	*5.09*	
		For >500 To 1,000, Deduct	*-4.22*	
		For >1,000, Deduct	*-7.18*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.05*	
32 16 13 13-0037	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	36.75	19.26
		For Up To 20, Add	*24.82*	
		For >20 To 50, Add	*13.79*	
		For >50 To 100, Add	*5.51*	
		For >500 To 1,000, Deduct	*-4.61*	
		For >1,000, Deduct	*-7.83*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.27*	
32 16 13 13-0038	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	42.37	16.00
		For Up To 20, Add	*28.61*	
		For >20 To 50, Add	*15.90*	
		For >50 To 100, Add	*6.36*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000, Deduct	*-9.02*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.61*	
32 16 13 13-0039	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	46.57	17.81
		For Up To 20, Add	*31.49*	
		For >20 To 50, Add	*17.52*	
		For >50 To 100, Add	*6.99*	
		For >500 To 1,000, Deduct	*-5.88*	
		For >1,000, Deduct	*-9.98*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.94*	
32 16 13 13-0040	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	50.84	19.26
		For Up To 20, Add	*34.35*	
		For >20 To 50, Add	*19.10*	
		For >50 To 100, Add	*7.63*	
		For >500 To 1,000, Deduct	*-6.39*	
		For >1,000, Deduct	*-10.86*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.17*	
32 16 13 13-0041	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	56.39	21.67
		For Up To 20, Add	*38.17*	
		For >20 To 50, Add	*21.25*	
		For >50 To 100, Add	*8.46*	
		For >500 To 1,000, Deduct	*-7.15*	
		For >1,000, Deduct	*-12.14*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.61*	
32 16 13 13-0042	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	59.93	22.87
		For Up To 20, Add	*40.53*	
		For >20 To 50, Add	*22.55*	
		For >50 To 100, Add	*8.99*	
		For >500 To 1,000, Deduct	*-7.57*	
		For >1,000, Deduct	*-12.85*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.79*	
32 16 13 13-0043	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	65.63	25.28
		For Up To 20, Add	*44.43*	
		For >20 To 50, Add	*24.74*	
		For >50 To 100, Add	*9.84*	
		For >500 To 1,000, Deduct	*-8.34*	
		For >1,000, Deduct	*-14.14*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.22*	
32 16 13 13-0044	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	69.01	26.48
		For Up To 20, Add	*46.70*	
		For >20 To 50, Add	*26.00*	
		For >50 To 100, Add	*10.35*	
		For >500 To 1,000, Deduct	*-8.75*	
		For >1,000, Deduct	*-14.84*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.41*	
32 16 13 13-0045	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	74.87	28.88
		For Up To 20, Add	*50.70*	
		For >20 To 50, Add	*28.24*	
		For >50 To 100, Add	*11.23*	
		For >500 To 1,000, Deduct	*-9.52*	
		For >1,000, Deduct	*-16.15*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.84*	
32 16 13 13-0046	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	78.09	30.08
		For Up To 20, Add	*52.87*	
		For >20 To 50, Add	*29.44*	
		For >50 To 100, Add	*11.71*	
		For >500 To 1,000, Deduct	*-9.92*	
		For >1,000, Deduct	*-16.83*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.03*	
32 16 13 13-0047	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	86.51	33.69
		For Up To 20, Add	*58.65*	
		For >20 To 50, Add	*32.69*	
		For >50 To 100, Add	*12.98*	
		For >500 To 1,000, Deduct	*-11.07*	
		For >1,000, Deduct	*-18.76*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.69*	

32 16 13 13-0048 Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0049	LF	6" x 12" Cast In Place Concrete Curb	25.76	12.16
		For Mountable Curb, Add	*1.60*	
		For Up To 20, Add	*14.88*	
		For >20 To 50, Add	*8.41*	
		For >50 To 100, Add	*3.23*	
		For >500 To 1,000, Deduct	*-3.23*	
		For >1,000, Deduct	*-5.49*	
32 16 13 13-0050	LF	6" x 12" Cast In Place Concrete Curb - Radius	29.22	13.99
		For Mountable Curb, Add	*1.88*	
		For Up To 20, Add	*17.09*	
		For >20 To 50, Add	*9.67*	
		For >50 To 100, Add	*3.71*	
		For >500 To 1,000, Deduct	*-3.71*	
		For >1,000, Deduct	*-6.30*	
32 16 13 13-0051	LF	6" x 14" Cast In Place Concrete Curb	28.08	12.16
		For Mountable Curb, Add	*1.75*	
		For Up To 20, Add	*16.26*	
		For >20 To 50, Add	*9.19*	
		For >50 To 100, Add	*3.53*	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000, Deduct	*-6.00*	
32 16 13 13-0052	LF	6" x 14" Cast In Place Concrete Curb - Radius	31.87	13.99
		For Mountable Curb, Add	*2.06*	
		For Up To 20, Add	*18.68*	
		For >20 To 50, Add	*10.57*	
		For >50 To 100, Add	*4.06*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000, Deduct	*-6.88*	
32 16 13 13-0053	LF	6" x 16" Cast In Place Concrete Curb	30.68	12.16
		For Mountable Curb, Add	*1.89*	
		For Up To 20, Add	*17.69*	
		For >20 To 50, Add	*10.00*	
		For >50 To 100, Add	*3.84*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-6.53*	
32 16 13 13-0054	LF	6" x 16" Cast In Place Concrete Curb - Radius	34.71	18.24
		For Mountable Curb, Add	*2.24*	
		For Up To 20, Add	*20.32*	
		For >20 To 50, Add	*11.50*	
		For >50 To 100, Add	*4.41*	
		For >500 To 1,000, Deduct	*-4.41*	
		For >1,000, Deduct	*-7.48*	
32 16 13 13-0055	LF	6" x 18" Cast In Place Concrete Curb	32.73	12.16
		For Mountable Curb, Add	*2.01*	
		For Up To 20, Add	*18.84*	
		For >20 To 50, Add	*10.65*	
		For >50 To 100, Add	*4.09*	
		For >500 To 1,000, Deduct	*-4.09*	
		For >1,000, Deduct	*-6.96*	
32 16 13 13-0056	LF	6" x 18" Cast In Place Concrete Curb - Radius	36.71	13.99
		For Mountable Curb, Add	*2.32*	
		For Up To 20, Add	*21.33*	
		For >20 To 50, Add	*12.06*	
		For >50 To 100, Add	*4.63*	
		For >500 To 1,000, Deduct	*-4.63*	
		For >1,000, Deduct	*-7.87*	
32 16 13 13-0057	LF	6" x 24" Cast In Place Concrete Curb	37.29	13.38
		For Mountable Curb, Add	*2.14*	
		For Up To 20, Add	*20.97*	
		For >20 To 50, Add	*11.84*	
		For >50 To 100, Add	*4.57*	
		For >500 To 1,000, Deduct	*-4.57*	
		For >1,000, Deduct	*-7.78*	
32 16 13 13-0058	LF	6" x 24" Cast In Place Concrete Curb - Radius	41.47	15.20
		For Mountable Curb, Add	*2.43*	
		For Up To 20, Add	*23.49*	
		For >20 To 50, Add	*13.27*	
		For >50 To 100, Add	*5.11*	
		For >500 To 1,000, Deduct	*-5.11*	
		For >1,000, Deduct	*-8.71*	
32 16 13 13-0059	LF	12" x 24" Cast In Place Concrete Curb	47.43	15.20
		For Mountable Curb, Add	*2.10*	
		For Up To 20, Add	*24.69*	
		For >20 To 50, Add	*13.87*	
		For >50 To 100, Add	*5.41*	
		For >500 To 1,000, Deduct	*-5.41*	
		For >1,000, Deduct	*-9.30*	
32 16 13 13-0060	LF	12" x 24" Cast In Place Concrete Curb - Radius	52.56	17.02
		For Mountable Curb, Add	*2.39*	
		For Up To 20, Add	*27.54*	
		For >20 To 50, Add	*15.47*	
		For >50 To 100, Add	*6.03*	
		For >500 To 1,000, Deduct	*-6.03*	
		For >1,000, Deduct	*-10.36*	
32 16 13 13-0061	EA	Additional Finish For Handicap Drop Section In Curb	91.20	

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form *(32 16 13 14)*

Note: Includes delivered concrete, steel, expansion joints and finish.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 14-0002	EA	Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job) Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.	1,625.09	
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	14.01	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	19.01	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	18.51	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	24.38	

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	16.04	5.57
		For Curved Section, Add	*3.68*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	17.73	6.34
		For Curved Section, Add	*4.15*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	23.54	7.10
		For Curved Section, Add	*5.03*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	28.69	7.99
		For Curved Section, Add	*5.84*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	34.86	8.75
		For Curved Section, Add	*6.76*	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	45.51	11.15
		For Curved Section, Add	*8.71*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	52.87	14.44
		For Curved Section, Add	*10.68*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	161.53	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 19-0001 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	24.58
		For Up To 20, Add	*11.32*
		For >20 To 50, Add	*6.30*
		For >50 To 100, Add	*2.51*
		For >500 To 1,000, Deduct	*-2.51*
		For >1,000, Deduct	*-4.38*
32 16 13 19-0003	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	30.12
		For Up To 20, Add	*13.73*
		For >20 To 50, Add	*7.64*
		For >50 To 100, Add	*3.05*
		For >500 To 1,000, Deduct	*-3.05*
		For >1,000, Deduct	*-5.32*
32 16 13 19-0004	LF	3' Wide Cast In Place Concrete Valley Gutter, 6" Thick	35.62
		For Up To 20, Add	*16.11*
		For >20 To 50, Add	*8.95*
		For >50 To 100, Add	*3.58*
		For >500 To 1,000, Deduct	*-3.58*
		For >1,000, Deduct	*-6.26*
32 16 13 19-0005	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	41.08
		For Up To 20, Add	*18.46*
		For >20 To 50, Add	*10.26*
		For >50 To 100, Add	*4.10*
		For >500 To 1,000, Deduct	*-4.10*
		For >1,000, Deduct	*-7.18*
32 16 13 19-0006	LF	4' Wide Cast In Place Concrete Valley Gutter, 6" Thick	46.56
		For Up To 20, Add	*20.83*
		For >20 To 50, Add	*11.57*
		For >50 To 100, Add	*4.63*
		For >500 To 1,000, Deduct	*-4.63*
		For >1,000, Deduct	*-8.11*
32 16 13 19-0007	LF	5' Wide Cast In Place Concrete Valley Gutter, 6" Thick	55.32
		For Up To 20, Add	*24.02*
		For >20 To 50, Add	*13.31*
		For >50 To 100, Add	*5.36*
		For >500 To 1,000, Deduct	*-5.36*
		For >1,000, Deduct	*-9.42*
32 16 13 19-0008	LF	6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	63.75
		For Up To 20, Add	*26.98*
		For >20 To 50, Add	*14.91*
		For >50 To 100, Add	*6.03*
		For >500 To 1,000, Deduct	*-6.03*
		For >1,000, Deduct	*-10.64*
32 16 13 19-0009	SF	>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	10.62
		For Up To 100, Add	*4.49*
		For >100 To 250, Add	*2.48*
		For >250 To 500, Add	*1.01*
		For >2,500 To 5,000, Deduct	*-1.01*
		For >5,000, Deduct	*-1.77*
32 16 13 19-0010	LF	2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	27.03
		For Up To 20, Add	*12.15*
		For >20 To 50, Add	*6.75*
		For >50 To 100, Add	*2.70*
		For >500 To 1,000, Deduct	*-2.70*
		For >1,000, Deduct	*-4.73*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0011	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	33.37	
		For Up To 20, Add	*14.90*	
		For >20 To 50, Add	*8.27*	
		For >50 To 100, Add	*3.31*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-5.80*	
32 16 13 19-0012	LF	3' Wide Cast In Place Concrete Valley Gutter, 7" Thick	39.26	
		For Up To 20, Add	*17.33*	
		For >20 To 50, Add	*9.61*	
		For >50 To 100, Add	*3.86*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000, Deduct	*-6.77*	
32 16 13 19-0013	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	45.32	
		For Up To 20, Add	*19.88*	
		For >20 To 50, Add	*11.02*	
		For >50 To 100, Add	*4.43*	
		For >500 To 1,000, Deduct	*-4.43*	
		For >1,000, Deduct	*-7.78*	
32 16 13 19-0014	LF	4' Wide Cast In Place Concrete Valley Gutter, 7" Thick	51.39	
		For Up To 20, Add	*22.43*	
		For >20 To 50, Add	*12.43*	
		For >50 To 100, Add	*5.00*	
		For >500 To 1,000, Deduct	*-5.00*	
		For >1,000, Deduct	*-8.79*	
32 16 13 19-0015	LF	5' Wide Cast In Place Concrete Valley Gutter, 7" Thick	61.19	
		For Up To 20, Add	*25.91*	
		For >20 To 50, Add	*14.32*	
		For >50 To 100, Add	*5.79*	
		For >500 To 1,000, Deduct	*-5.79*	
		For >1,000, Deduct	*-10.22*	
32 16 13 19-0016	LF	6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	70.65	
		For Up To 20, Add	*29.15*	
		For >20 To 50, Add	*16.07*	
		For >50 To 100, Add	*6.54*	
		For >500 To 1,000, Deduct	*-6.54*	
		For >1,000, Deduct	*-11.57*	
32 16 13 19-0017	SF	>6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	11.78	
		For Up To 100, Add	*4.86*	
		For >100 To 250, Add	*2.68*	
		For >250 To 500, Add	*1.09*	
		For >2,500 To 5,000, Deduct	*-1.09*	
		For >5,000, Deduct	*-1.93*	
32 16 13 19-0018	LF	2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	27.19	
		For Up To 20, Add	*12.53*	
		For >20 To 50, Add	*6.98*	
		For >50 To 100, Add	*2.78*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-4.85*	
32 16 13 19-0019	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	33.37	
		For Up To 20, Add	*15.23*	
		For >20 To 50, Add	*8.47*	
		For >50 To 100, Add	*3.38*	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000, Deduct	*-5.91*	
32 16 13 19-0020	LF	3' Wide Cast In Place Concrete Valley Gutter, 8" Thick	39.44	
		For Up To 20, Add	*17.86*	
		For >20 To 50, Add	*9.93*	
		For >50 To 100, Add	*3.97*	
		For >500 To 1,000, Deduct	*-3.97*	
		For >1,000, Deduct	*-6.94*	
32 16 13 19-0021	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	45.52	
		For Up To 20, Add	*20.49*	
		For >20 To 50, Add	*11.38*	
		For >50 To 100, Add	*4.55*	
		For >500 To 1,000, Deduct	*-4.55*	
		For >1,000, Deduct	*-7.97*	
32 16 13 19-0022	LF	4' Wide Cast In Place Concrete Valley Gutter, 8" Thick	51.60	
		For Up To 20, Add	*23.12*	
		For >20 To 50, Add	*12.84*	
		For >50 To 100, Add	*5.14*	
		For >500 To 1,000, Deduct	*-5.14*	
		For >1,000, Deduct	*-9.00*	
32 16 13 19-0023	LF	5' Wide Cast In Place Concrete Valley Gutter, 8" Thick	61.29	
32 16 13 19-0024	LF	6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	70.61	
32 16 13 19-0025	SF	>6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	11.77	
		For Up To 100, Add	*4.99*	
		For >100 To 250, Add	*2.76*	
		For >250 To 500, Add	*1.12*	
		For >2,500 To 5,000, Deduct	*-1.12*	
		For >5,000, Deduct	*-1.97*	

32 16 13 23 Precast Concrete Curbs and Gutters *(32 16 13)*

32 16 13 23-0001 Precast Concrete Curb *(32 16 13 23)*

32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb	46.68	10.82
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius	55.77	12.45
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb	49.54	10.82
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius	59.56	12.45
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb	50.85	10.82
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius	61.06	12.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb	54.09	10.82
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius	65.18	12.45

32 16 13 33 Asphalt Curbs *(32 16 13)*

32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	13.78	5.71
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	15.51	6.34
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	17.10	6.97

32 16 13 43 Stone Curbs *(32 16 13)*

32 16 13 43-0001 Granite Curbs *(32 16 13 43)*

32 16 13 43-0002 Split Face Granite Curbs *(32 16 13 43-0001)*

32 16 13 43-0003	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section	36.22	10.47
		For Up To 20, Add	*14.25*	
		For >20 To 50, Add	*7.83*	
		For >50 To 100, Add	*3.21*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-5.72*	
32 16 13 43-0004	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section	43.05	11.45
		For Up To 20, Add	*16.23*	
		For >20 To 50, Add	*8.87*	
		For >50 To 100, Add	*3.68*	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000, Deduct	*-6.59*	
32 16 13 43-0005	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section	47.59	12.30
		For Up To 20, Add	*17.70*	
		For >20 To 50, Add	*9.67*	
		For >50 To 100, Add	*4.02*	
		For >500 To 1,000, Deduct	*-4.02*	
		For >1,000, Deduct	*-7.21*	
32 16 13 43-0006	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section	56.66	13.28
		For Up To 20, Add	*20.13*	
		For >20 To 50, Add	*10.94*	
		For >50 To 100, Add	*4.59*	
		For >500 To 1,000, Deduct	*-4.59*	
		For >1,000, Deduct	*-8.30*	
32 16 13 43-0007	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section	45.03	11.45
		For Up To 20, Add	*16.59*	
		For >20 To 50, Add	*9.05*	
		For >50 To 100, Add	*3.77*	
		For >500 To 1,000, Deduct	*-3.77*	
		For >1,000, Deduct	*-6.78*	
32 16 13 43-0008	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section	51.85	12.30
		For Up To 20, Add	*18.56*	
		For >20 To 50, Add	*10.10*	
		For >50 To 100, Add	*4.23*	
		For >500 To 1,000, Deduct	*-4.23*	
		For >1,000, Deduct	*-7.64*	
32 16 13 43-0009	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section	56.46	13.28
		For Up To 20, Add	*20.09*	
		For >20 To 50, Add	*10.92*	
		For >50 To 100, Add	*4.58*	
		For >500 To 1,000, Deduct	*-4.58*	
		For >1,000, Deduct	*-8.28*	
32 16 13 43-0010	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section	65.52	14.14
		For Up To 20, Add	*22.50*	
		For >20 To 50, Add	*12.19*	
		For >50 To 100, Add	*5.16*	
		For >500 To 1,000, Deduct	*-5.16*	
		For >1,000, Deduct	*-9.37*	

32 16 13 43-0011 Sawn Face Granite Curbs *(32 16 13 43-0001)*

32 16 13 43-0012	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section	36.22	10.47
		For Up To 20, Add	*14.25*	
		For >20 To 50, Add	*7.83*	
		For >50 To 100, Add	*3.21*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-5.72*	
32 16 13 43-0013	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section	43.05	11.45
		For Up To 20, Add	*16.23*	
		For >20 To 50, Add	*8.87*	
		For >50 To 100, Add	*3.68*	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000, Deduct	*-6.59*	
32 16 13 43-0014	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section	47.67	12.30
		For Up To 20, Add	*17.76*	
		For >20 To 50, Add	*9.70*	
		For >50 To 100, Add	*4.03*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-7.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0015	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section	56.74	13.28
		For Up To 20, Add	*20.18*	
		For >20 To 50, Add	*10.98*	
		For >50 To 100, Add	*4.60*	
		For >500 To 1,000, Deduct	*-4.60*	
		For >1,000, Deduct	*-8.32*	
32 16 13 43-0016	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section	51.29	11.45
		For Up To 20, Add	*17.87*	
		For >20 To 50, Add	*9.70*	
		For >50 To 100, Add	*4.09*	
		For >500 To 1,000, Deduct	*-4.09*	
		For >1,000, Deduct	*-7.41*	
32 16 13 43-0017	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section	61.59	12.30
		For Up To 20, Add	*20.54*	
		For >20 To 50, Add	*11.09*	
		For >50 To 100, Add	*4.72*	
		For >500 To 1,000, Deduct	*-4.72*	
		For >1,000, Deduct	*-8.63*	
32 16 13 43-0018	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section	68.32	13.28
		For Up To 20, Add	*22.50*	
		For >20 To 50, Add	*12.13*	
		For >50 To 100, Add	*5.18*	
		For >500 To 1,000, Deduct	*-5.18*	
		For >1,000, Deduct	*-9.48*	
32 16 13 43-0019	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section	82.28	14.14
		For Up To 20, Add	*25.90*	
		For >20 To 50, Add	*13.89*	
		For >50 To 100, Add	*6.00*	
		For >500 To 1,000, Deduct	*-6.00*	
		For >1,000, Deduct	*-11.06*	

32 16 13 43-0020 Granite Base And Curbs *(32 16 13 43-0001)*

32 16 13 43-0021	LF	4" High Granite Base	40.26	13.38
		For Up To 20, Add	*16.94*	
		For >20 To 50, Add	*9.36*	
		For >50 To 100, Add	*3.79*	
		For >500 To 1,000, Deduct	*-3.79*	
		For >1,000, Deduct	*-6.69*	
32 16 13 43-0022	LF	6" High Granite Base	46.83	17.53
		For Up To 20, Add	*21.04*	
		For >20 To 50, Add	*11.69*	
		For >50 To 100, Add	*4.68*	
		For >500 To 1,000, Deduct	*-4.68*	
		For >1,000, Deduct	*-8.18*	

32 16 13 43-0023 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0024	LF	Removal And Resetting Of Stone Or Precast Curbing Note: Includes storage and cleaning.	40.20

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0085 for buggies, 03 31 13 00-0092 for small quantity purchases, 03 31 13 00-0094 for delivery fee, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	9.93	
		For Up To 100, Add	*4.26*	
		For >100 To 500, Add	*1.21*	
		For >2,000 To 5,000, Deduct	*-0.53*	
		For >5,000 To 10,000, Deduct	*-1.21*	
		For >10,000 To 20,000, Deduct	*-1.63*	
		For >20,000, Deduct	*-2.06*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.22*	
		For 4,500 PSI Concrete, Add	*0.26*	
		For Welded Wire Reinforcement, Add	*0.88*	
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	10.82	
		For Up To 100, Add	*4.55*	
		For >100 To 500, Add	*1.28*	
		For >2,000 To 5,000, Deduct	*-0.55*	
		For >5,000 To 10,000, Deduct	*-1.28*	
		For >10,000 To 20,000, Deduct	*-1.74*	
		For >20,000, Deduct	*-2.19*	
		For 3,500 PSI Concrete, Add	*0.16*	
		For 4,000 PSI Concrete, Add	*0.27*	
		For 4,500 PSI Concrete, Add	*0.32*	
		For Welded Wire Reinforcement, Add	*0.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	11.72	
		For Up To 100, Add	*4.84*	
		For >100 To 500, Add	*1.35*	
		For >2,000 To 5,000, Deduct	*-0.57*	
		For >5,000 To 10,000, Deduct	*-1.35*	
		For >10,000 To 20,000, Deduct	*-1.84*	
		For >20,000, Deduct	*-2.32*	
		For 3,500 PSI Concrete, Add	*0.19*	
		For 4,000 PSI Concrete, Add	*0.33*	
		For 4,500 PSI Concrete, Add	*0.38*	
		For Welded Wire Reinforcement, Add	*0.88*	
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	13.61	
		For Up To 100, Add	*5.57*	
		For >100 To 500, Add	*1.55*	
		For >2,000 To 5,000, Deduct	*-0.65*	
		For >5,000 To 10,000, Deduct	*-1.55*	
		For >10,000 To 20,000, Deduct	*-2.10*	
		For >20,000, Deduct	*-2.66*	
		For 3,500 PSI Concrete, Add	*0.23*	
		For 4,000 PSI Concrete, Add	*0.40*	
		For 4,500 PSI Concrete, Add	*0.46*	
		For Welded Wire Reinforcement, Add	*0.88*	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	14.40	
		For Up To 100, Add	*5.81*	
		For >100 To 500, Add	*1.60*	
		For >2,000 To 5,000, Deduct	*-0.66*	
		For >5,000 To 10,000, Deduct	*-1.60*	
		For >10,000 To 20,000, Deduct	*-2.18*	
		For >20,000, Deduct	*-2.76*	
		For 3,500 PSI Concrete, Add	*0.26*	
		For 4,000 PSI Concrete, Add	*0.45*	
		For 4,500 PSI Concrete, Add	*0.52*	
		For Welded Wire Reinforcement, Add	*0.88*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	2.75	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	165.17	
32 16 23 00-0009	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.75	

32 16 23 00-0010 Bituminous Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0011	SY	1" Bituminous Sidewalk	9.90	
		For Up To 100, Add	*3.74*	
		For >100 To 500, Add	*1.00*	
		For >1,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-1.00*	
32 16 23 00-0012	SY	1-1/2" Bituminous Sidewalk	12.41	
		For Up To 100, Add	*4.62*	
		For >100 To 500, Add	*1.23*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.23*	
32 16 23 00-0013	SY	2" Bituminous Sidewalk	17.20	
		For Up To 100, Add	*6.19*	
		For >100 To 500, Add	*1.61*	
		For >1,000 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-1.61*	
32 16 23 00-0014	SY	2-1/2" Bituminous Sidewalk	21.49	
		For Up To 100, Add	*7.71*	
		For >100 To 500, Add	*2.01*	
		For >1,000 To 5,000, Deduct	*-0.94*	
		For >5,000, Deduct	*-2.01*	
32 16 23 00-0015	SY	3" Bituminous Sidewalk	24.70	
		For Up To 100, Add	*8.71*	
		For >100 To 500, Add	*2.25*	
		For >1,000 To 5,000, Deduct	*-1.01*	
		For >5,000, Deduct	*-2.25*	
32 16 23 00-0016	SY	3-1/2" Bituminous Sidewalk	28.51	
		For Up To 100, Add	*9.91*	
		For >100 To 500, Add	*2.54*	
		For >1,000 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-2.54*	

32 16 43 Asphalt Dike *(32 16)*

32 16 43 00-0001 Asphalt Dike *(32 16 43)*

32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.28	
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	9.97	
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height	9.97	
32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height	14.22	
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height	16.84	
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.86	
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	10.33	
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	15.94	
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.28	
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.86	
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	15.94	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	10.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height	5.67	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	197.64	7.68
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	223.99	7.68

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	75.77	23.13
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	86.28	23.13
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	90.02	23.13
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	94.29	23.13
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels	87.96	23.13
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	111.46	23.13
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop	37.01	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	24.06	

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	32.12	7.68
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	37.31	7.68
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	39.39	7.68
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	42.51	7.68

32 17 13 26 Wood Parking Bumpers *(32 17 13)*

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	10.75	1.85
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	14.06	1.85

32 17 16 Manufactured Traffic-Calming Devices *(32 17)*

32 17 16 00-0001 Speed Bumps *(32 17 16)*

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	37.58	1.95
32 17 16 00-0003	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	31.10	1.30
32 17 16 00-0004	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	157.01	1.30

32 17 23 Pavement Markings *(32 17)*

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

32 17 23 13 Painted Pavement Markings *(32 17 23)*

32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 13)*

Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.

32 17 23 13-0002 Alkyd/Solvent Based/Latex Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0003	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.35
		For Up To 5,000 LF, Add	*0.07*
		For >25,000 LF, Deduct	*-0.05*
		For Broken Line, Deduct	*-0.07*
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.44
		For Up To 5,000 LF, Add	*0.09*
		For >25,000 LF, Deduct	*-0.07*
		For Broken Line, Deduct	*-0.10*
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.55
		For Up To 5,000 LF, Add	*0.11*
		For >25,000 LF, Deduct	*-0.08*
		For Broken Line, Deduct	*-0.12*
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.75
		For Up To 5,000 LF, Add	*0.15*
		For >25,000 LF, Deduct	*-0.11*
		For Broken Line, Deduct	*-0.18*
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.50
		For Up To 5,000 LF, Add	*0.10*
		For >25,000 LF, Deduct	*-0.08*
		For Broken Line On One Side, Deduct	*-0.06*
		For Double Broken Line, Deduct	*-0.12*
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.75
		For Up To 5,000 LF, Add	*0.15*
		For >25,000 LF, Deduct	*-0.11*
		For Broken Line On One Side, Deduct	*-0.09*
		For Double Broken Line, Deduct	*-0.18*
32 17 23 13-0009	SF	Solid Area, Painted Reflective Pavement Striping	6.92

Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0010	EA	6" High, Letter/Number, Painted Reflective Pavement Striping	5.01	
		For <10, Add	*0.69*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 200, Deduct	*-0.46*	
		For >200, Deduct	*-0.91*	
32 17 23 13-0011	EA	12" High, Letter/Number, Painted Reflective Pavement Striping	8.52	
		For <10, Add	*1.04*	
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 200, Deduct	*-0.69*	
		For >200, Deduct	*-1.38*	
32 17 23 13-0012	EA	24" High, Letter/Number, Painted Reflective Pavement Striping	14.29	
		For <10, Add	*1.72*	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 200, Deduct	*-1.15*	
		For >200, Deduct	*-2.30*	
32 17 23 13-0013	EA	36" High, Letter/Number, Painted Reflective Pavement Striping	27.90	
		For <10, Add	*3.44*	
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 200, Deduct	*-2.30*	
		For >200, Deduct	*-4.59*	
32 17 23 13-0014	EA	48" High, Letter/Number, Painted Reflective Pavement Striping	32.18	
		For <10, Add	*3.86*	
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.58*	
		For >200, Deduct	*-5.15*	
32 17 23 13-0015	EA	72" High, Letter/Number, Painted Reflective Pavement Striping	57.56	
		For <10, Add	*6.87*	
		For >50 To 100, Deduct	*-3.44*	
		For >100 To 200, Deduct	*-4.58*	
		For >200, Deduct	*-9.16*	
32 17 23 13-0016	EA	96" High, Letter/Number, Painted Reflective Pavement Striping	76.98	
		For <10, Add	*9.23*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 200, Deduct	*-6.15*	
		For >200, Deduct	*-12.30*	
32 17 23 13-0017	EA	120" High, Letter/Number, Painted Reflective Pavement Striping	110.73	
		For <10, Add	*11.43*	
		For >50 To 100, Deduct	*-5.72*	
		For >100 To 200, Deduct	*-7.62*	
		For >200, Deduct	*-15.25*	
32 17 23 13-0018	SF	Letter/Number, Painted Reflective Pavement Marking	8.02	
32 17 23 13-0019	SF	Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	9.58	
32 17 23 13-0020	EA	Bike Lane Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	80.20	
32 17 23 13-0021	EA	Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	289.53	
32 17 23 13-0022	EA	Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	93.01	
32 17 23 13-0023	EA	Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	100.47	
32 17 23 13-0024	EA	Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	114.94	
32 17 23 13-0025	EA	Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	163.70	
32 17 23 13-0026	EA	Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	167.04	
32 17 23 13-0027	EA	Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	218.23	
32 17 23 13-0028	EA	Elongated Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	94.61	
32 17 23 13-0029	EA	Elongated Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	112.51	
32 17 23 13-0030	EA	Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	151.47	
32 17 23 13-0031	EA	Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	155.92	
32 17 23 13-0032	EA	Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	203.79	
32 17 23 13-0033	EA	Lane-Reduction Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	182.62	
32 17 23 13-0034	EA	Wrong-Way Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	228.25	

32 17 23 13-0035 Painted Reflective Pavement Marking (CALTRANS) *(32 17 23 13-0001)*

Note: 20 to 25 mil thickness, per LF of detail.

32 17 23 13-0036	LF	CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.29	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0037	LF	CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.47	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0038	LF	CALTRANS Detail 4 Centerline	1.09	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0039	LF	CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.28	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0040	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.48	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0041	LF	CALTRANS Detail 7 Centerline	0.79	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0042	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.29	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0043	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.47	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0044	LF	CALTRANS Detail 10 Lanelines	1.09	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0045	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.28	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0046	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.47	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0047	LF	CALTRANS Detail 13 Lanelines	0.79	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0048	LF	CALTRANS Detail 14 Lanelines	0.79	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0049	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.47	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0050	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.38	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.09*	
32 17 23 13-0051	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.11	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0052	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	3.16	
		For Up To 5,000 LF, Add	*0.63*	
		For >25,000 LF, Deduct	*-0.47*	
32 17 23 13-0053	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.38	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.09*	
32 17 23 13-0054	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.93	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.14*	
32 17 23 13-0055	LF	CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	2.67	
		For Up To 5,000 LF, Add	*0.53*	
		For >25,000 LF, Deduct	*-0.40*	
32 17 23 13-0056	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.45	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.07*	
		For Double Broken Line, Deduct	*-0.14*	
32 17 23 13-0057	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	1.18	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0058	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.77	
		For Up To 5,000 LF, Add	*0.75*	
		For >25,000 LF, Deduct	*-0.57*	
32 17 23 13-0059	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.36	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0060	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.54	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
32 17 23 13-0061	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.72	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.11*	
32 17 23 13-0062	LF	CALTRANS Detail 26 Left Edgelines	0.18	
		For Up To 5,000 LF, Add	*0.04*	
		For >25,000 LF, Deduct	*-0.03*	
32 17 23 13-0063	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.63	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0064	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.36	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0065	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.28	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0066	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.89	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.14*	
		For Double Broken Line, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0067	LF	CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.62	
		For Up To 5,000 LF, Add	*0.32*	
		For >25,000 LF, Deduct	*-0.24*	
32 17 23 13-0068	LF	CALTRANS Detail 30 Median Islands	7.55	
		For Up To 5,000 LF, Add	*1.51*	
		For >25,000 LF, Deduct	*-1.13*	
32 17 23 13-0069	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.75	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
32 17 23 13-0070	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.66	
		For Up To 5,000 LF, Add	*0.33*	
		For >25,000 LF, Deduct	*-0.25*	
32 17 23 13-0071	LF	CALTRANS Detail 33 Two-Way Left Turn Lanes	5.17	
		For Up To 5,000 LF, Add	*1.03*	
		For >25,000 LF, Deduct	*-0.78*	
32 17 23 13-0072	LF	CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.93	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.14*	
32 17 23 13-0073	LF	CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.38	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0074	LF	CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.12	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0075	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.38	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0076	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.85	
		For Up To 5,000 LF, Add	*0.37*	
		For >25,000 LF, Deduct	*-0.28*	
32 17 23 13-0077	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.19	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0078	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.27	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.19*	
32 17 23 13-0079	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.18	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0080	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps	2.53	
		For Up To 5,000 LF, Add	*0.51*	
		For >25,000 LF, Deduct	*-0.38*	
32 17 23 13-0081	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.18	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0082	LF	CALTRANS Detail 37C Lane Drop At Intersections	2.53	
		For Up To 5,000 LF, Add	*0.51*	
		For >25,000 LF, Deduct	*-0.38*	
32 17 23 13-0083	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.09	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0084	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.72	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.11*	
32 17 23 13-0085	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	1.45	
		For Up To 5,000 LF, Add	*0.29*	
		For >25,000 LF, Deduct	*-0.22*	
32 17 23 13-0086	LF	CALTRANS Detail 38C Channelizing Line	3.77	
		For Up To 5,000 LF, Add	*0.75*	
		For >25,000 LF, Deduct	*-0.57*	
32 17 23 13-0087	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0088	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.35	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0089	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.27	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0090	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.82	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
32 17 23 13-0091	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.27	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0092	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections	1.82	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
32 17 23 13-0093	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	127.64	
		For <10, Add	*16.72*	
		For >50 To 100, Deduct	*-8.36*	
		For >100 To 200, Deduct	*-11.15*	
		For >200, Deduct	*-22.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0094	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	223.94	
		For <10, Add	*29.26*	
		For >50 To 100, Deduct	*-14.63*	
		For >100 To 200, Deduct	*-19.50*	
		For >200, Deduct	*-39.01*	
32 17 23 13-0095	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	281.04	
		For <10, Add	*36.78*	
		For >50 To 100, Deduct	*-18.39*	
		For >100 To 200, Deduct	*-24.52*	
		For >200, Deduct	*-49.04*	
32 17 23 13-0096	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	408.67	
		For <10, Add	*53.50*	
		For >50 To 100, Deduct	*-26.75*	
		For >100 To 200, Deduct	*-35.66*	
		For >200, Deduct	*-71.33*	
32 17 23 13-0097	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	536.31	
		For <10, Add	*70.22*	
		For >50 To 100, Deduct	*-35.11*	
		For >100 To 200, Deduct	*-46.81*	
		For >200, Deduct	*-93.62*	
32 17 23 13-0098	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	377.34	
		For <10, Add	*49.32*	
		For >50 To 100, Deduct	*-24.66*	
		For >100 To 200, Deduct	*-32.88*	
		For >200, Deduct	*-65.76*	
32 17 23 13-0099	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	658.38	
		For <10, Add	*86.10*	
		For >50 To 100, Deduct	*-43.05*	
		For >100 To 200, Deduct	*-57.40*	
		For >200, Deduct	*-114.80*	
32 17 23 13-0100	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	134.37	
		For <10, Add	*17.55*	
		For >50 To 100, Deduct	*-8.78*	
		For >100 To 200, Deduct	*-11.70*	
		For >200, Deduct	*-23.41*	
32 17 23 13-0101	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking	294.49	
		For <10, Add	*38.45*	
		For >50 To 100, Deduct	*-19.23*	
		For >100 To 200, Deduct	*-25.63*	
		For >200, Deduct	*-51.27*	
32 17 23 13-0102	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking	377.34	
		For <10, Add	*49.32*	
		For >50 To 100, Deduct	*-24.66*	
		For >100 To 200, Deduct	*-32.88*	
		For >200, Deduct	*-65.76*	
32 17 23 13-0103	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	243.18	
		For <10, Add	*31.76*	
		For >50 To 100, Deduct	*-15.88*	
		For >100 To 200, Deduct	*-21.18*	
		For >200, Deduct	*-42.35*	
32 17 23 13-0104	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	320.25	
		For <10, Add	*41.79*	
		For >50 To 100, Deduct	*-20.90*	
		For >100 To 200, Deduct	*-27.86*	
		For >200, Deduct	*-55.73*	
32 17 23 13-0105	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	63.82	
		For <10, Add	*8.36*	
		For >50 To 100, Deduct	*-4.18*	
		For >100 To 200, Deduct	*-5.57*	
		For >200, Deduct	*-11.15*	
32 17 23 13-0106	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Excludes variable width transverse lines.	610.33	
		For <10, Add	*79.41*	
		For >50 To 100, Deduct	*-39.71*	
		For >100 To 200, Deduct	*-52.94*	
		For >200, Deduct	*-105.88*	
32 17 23 13-0107	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking	7.96	
32 17 23 13-0108	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	59.52	
		For <10, Add	*6.02*	
		For >50 To 100, Deduct	*-3.01*	
		For >100 To 200, Deduct	*-4.01*	
		For >200, Deduct	*-8.02*	
32 17 23 13-0109	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	63.05	
		For <10, Add	*6.35*	
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 200, Deduct	*-4.24*	
		For >200, Deduct	*-8.47*	
32 17 23 13-0110	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking	101.88	
		For <10, Add	*13.37*	
		For >50 To 100, Deduct	*-6.69*	
		For >100 To 200, Deduct	*-8.92*	
		For >200, Deduct	*-17.83*	
32 17 23 13-0111	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	207.14	
		For <10, Add	*27.08*	
		For >50 To 100, Deduct	*-13.54*	
		For >100 To 200, Deduct	*-18.06*	
		For >200, Deduct	*-36.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0112	EA	CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	44.58	
		For <10, Add	*6.35*	
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 200, Deduct	*-4.24*	
		For >200, Deduct	*-8.47*	
32 17 23 13-0113	SF	CALTRANS Letter/Number, Painted Reflective Pavement Marking	8.07	
32 17 23 13-0114	SF	CALTRANS Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	8.97	

32 17 23 13-0115 Epoxy Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0116	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.63	
		For 20 Mil Thickness, Add	*0.14*	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.09*	
		For Broken Line, Deduct	*-0.28*	
32 17 23 13-0117	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.87	
		For 20 Mil Thickness, Add	*0.20*	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line, Deduct	*-0.42*	
32 17 23 13-0118	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	1.06	
		For 20 Mil Thickness, Add	*0.24*	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
		For Broken Line, Deduct	*-0.50*	
32 17 23 13-0119	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.60	
		For 20 Mil Thickness, Add	*0.39*	
		For Up To 5,000 LF, Add	*0.32*	
		For >25,000 LF, Deduct	*-0.24*	
		For Broken Line, Deduct	*-0.82*	
32 17 23 13-0120	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.99	
		For 20 Mil Thickness, Add	*0.26*	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
		For Broken Line On One Side, Deduct	*-0.27*	
		For Double Broken Line, Deduct	*-0.55*	
32 17 23 13-0121	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.41	
		For 20 Mil Thickness, Add	*0.38*	
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
		For Broken Line On One Side, Deduct	*-0.41*	
		For Double Broken Line, Deduct	*-0.83*	
32 17 23 13-0122	SF	Solid Area, Epoxy Reflective Pavement Marking Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	8.65	
		For 20 Mil Thickness, Add	*0.99*	
32 17 23 13-0123	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	5.36	
		For 20 Mil Thickness, Add	*0.49*	
		For <10, Add	*0.69*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 200, Deduct	*-0.46*	
		For >200, Deduct	*-0.91*	
32 17 23 13-0124	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	9.75	
		For 20 Mil Thickness, Add	*1.29*	
		For <10, Add	*1.04*	
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 200, Deduct	*-0.69*	
		For >200, Deduct	*-1.38*	
32 17 23 13-0125	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	16.46	
		For 20 Mil Thickness, Add	*2.23*	
		For <10, Add	*1.72*	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 200, Deduct	*-1.15*	
		For >200, Deduct	*-2.30*	
32 17 23 13-0126	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	31.70	
		For 20 Mil Thickness, Add	*4.06*	
		For <10, Add	*3.44*	
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 200, Deduct	*-2.30*	
		For >200, Deduct	*-4.59*	
32 17 23 13-0127	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	37.12	
		For 20 Mil Thickness, Add	*5.08*	
		For <10, Add	*3.86*	
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.58*	
		For >200, Deduct	*-5.15*	
32 17 23 13-0128	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	66.59	
		For 20 Mil Thickness, Add	*9.22*	
		For <10, Add	*6.87*	
		For >50 To 100, Deduct	*-3.44*	
		For >100 To 200, Deduct	*-4.58*	
		For >200, Deduct	*-9.16*	
32 17 23 13-0129	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	88.86	
		For 20 Mil Thickness, Add	*12.19*	
		For <10, Add	*9.23*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 200, Deduct	*-6.15*	
		For >200, Deduct	*-12.30*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0130	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	137.24	
		For 20 Mil Thickness, Add	*24.15*	
		For <10, Add	*11.43*	
		For >50 To 100, Deduct	*-5.72*	
		For >100 To 200, Deduct	*-7.62*	
		For >200, Deduct	*-15.25*	
32 17 23 13-0131	SF	Letter/Number, Epoxy Reflective Pavement Marking	8.88	
		For 20 Mil Thickness, Add	*1.00*	
32 17 23 13-0132	SF	Symbols, Epoxy Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	11.22	
		For 20 Mil Thickness, Add	*1.12*	
32 17 23 13-0133	EA	Bike Lane Symbol, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	107.56	
		For 20 Mil Thickness, Add	*23.22*	
32 17 23 13-0134	EA	Railroad Crossing Symbol, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	426.36	
		For 20 Mil Thickness, Add	*110.53*	
32 17 23 13-0135	EA	Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	123.80	
		For 20 Mil Thickness, Add	*26.26*	
32 17 23 13-0136	EA	Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	130.41	
		For 20 Mil Thickness, Add	*26.04*	
32 17 23 13-0137	EA	Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	155.99	
		For 20 Mil Thickness, Add	*34.56*	
32 17 23 13-0138	EA	Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	238.96	
		For 20 Mil Thickness, Add	*61.02*	
32 17 23 13-0139	EA	Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	244.87	
		For 20 Mil Thickness, Add	*62.99*	
32 17 23 13-0140	EA	Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	333.69	
		For 20 Mil Thickness, Add	*91.96*	
32 17 23 13-0141	EA	Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	111.65	
		For 20 Mil Thickness, Add	*16.69*	
32 17 23 13-0142	EA	Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	143.30	
		For 20 Mil Thickness, Add	*27.24*	
32 17 23 13-0143	EA	Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	180.67	
		For 20 Mil Thickness, Add	*38.12*	
32 17 23 13-0144	EA	Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	184.91	
		For 20 Mil Thickness, Add	*39.53*	
32 17 23 13-0145	EA	Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	297.86	
		For 20 Mil Thickness, Add	*76.23*	
32 17 23 13-0146	EA	Lane-Reduction Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	264.86	
		For 20 Mil Thickness, Add	*67.76*	
32 17 23 13-0147	EA	Wrong-Way Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	253.32	
		For 20 Mil Thickness, Add	*65.17*	

32 17 23 13-0148 Painted Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

Note: Includes primers. Per Coat.

32 17 23 13-0149 Painted Pavement Marking For Parking Areas *(32 17 23 13-0148)*

Note: 15 mil thickness.

32 17 23 13-0150	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.30	
32 17 23 13-0151	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.41	
32 17 23 13-0152	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.51	
32 17 23 13-0153	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.69	
32 17 23 13-0154	SF	Solid Area, Painted Pavement Marking For Parking Areas Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.88	
32 17 23 13-0155	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	4.89	
		For Up To 10, Add	*0.67*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 200, Deduct	*-0.45*	
		For >200, Deduct	*-0.89*	
32 17 23 13-0156	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	8.23	
		For Up To 10, Add	*1.00*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 200, Deduct	*-0.67*	
		For >200, Deduct	*-1.34*	
32 17 23 13-0157	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	13.86	
		For Up To 10, Add	*1.67*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 200, Deduct	*-1.11*	
		For >200, Deduct	*-2.23*	
32 17 23 13-0158	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	25.95	
		For Up To 10, Add	*3.18*	
		For >50 To 100, Deduct	*-1.59*	
		For >100 To 200, Deduct	*-2.12*	
		For >200, Deduct	*-4.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0159	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	34.47	
		For Up To 10, Add	*4.35*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-2.90*	
		For >200, Deduct	*-5.80*	
32 17 23 13-0160	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	41.88	
		For Up To 10, Add	*5.35*	
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.57*	
		For >200, Deduct	*-7.13*	
32 17 23 13-0161	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	55.92	
		For Up To 10, Add	*6.69*	
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 200, Deduct	*-4.46*	
		For >200, Deduct	*-8.92*	
32 17 23 13-0162	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 3-1/2' width x 10' height.	99.12	
32 17 23 13-0163	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 6' width x 8' height.	113.09	
32 17 23 13-0164	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 11' width x 8' height.	160.31	
32 17 23 13-0165	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 7' width x 13' height.	163.53	
32 17 23 13-0166	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	213.02	
32 17 23 13-0167	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	40.70	
		For Blue Background With White Symbol, Add	*29.90*	
		For Blue Background With White Symbol And Border, Add	*37.37*	
32 17 23 13-0168	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	59.27	
		For Blue Background With White Symbol, Add	*60.78*	
		For Blue Background With White Symbol And Border, Add	*75.98*	

32 17 23 13-0169 Painted Curbs *(32 17 23 13)*

Note: All colors.

32 17 23 13-0170	LF	Reflective Painted Curb	3.76	
32 17 23 13-0171	LF	Reflective Painted Curb And Gutter	7.14	
32 17 23 13-0172	LF	Painted Curb	3.04	
32 17 23 13-0173	LF	Painted Curb And Gutter	6.51	

32 17 23 13-0174 Markings For Outdoor Play Areas, Courts *(32 17 23 13)*

32 17 23 13-0175	LF	2" Wide Marking For Outdoor Play Areas	1.08	
32 17 23 13-0176	LF	3" Wide Marking For Outdoor Play Areas	1.23	
32 17 23 13-0177	LF	4" Wide Marking For Outdoor Play Areas	1.39	
32 17 23 13-0178	LF	6" Wide Marking For Outdoor Play Areas	1.64	
32 17 23 13-0179	EA	Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	377.51	

32 17 23 23 Raised Pavement Markings *(32 17 23)*

32 17 23 23-0001 Raised Pavement Markers (RPMs) *(32 17 23 23)*

Note: White, Red, Yellow/Amber, Green or Blue

32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM) Note: Type G, H or R	8.28	2.80
		For >100, Deduct	*-0.83*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM) Note: Type B, C, D, AC, RA or RR	8.80	2.80
		For >100, Deduct	*-0.88*	
32 17 23 23-0004	EA	4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	10.93	2.80
		For >100, Deduct	*-1.09*	
32 17 23 23-0005	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) Note: Type A or AY	7.60	2.80
		For >100, Deduct	*-0.76*	

32 17 23 23-0006 Snowplowable Pavement Markers *(32 17 23 23)*

32 17 23 23-0007	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type G, H or R	81.52	34.34
32 17 23 23-0008	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type B, C, D, AC, RA or RR	81.97	34.34
32 17 23 23-0009	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	23.81	
32 17 23 23-0010	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	29.99	

32 17 23 33 Plastic Pavement Markings *(32 17 23)*

32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 33)*

Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.

32 17 23 33-0002 Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: 90 mil thickness.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.50	
		For Up To 5,000 LF, Add	*0.30*	
		For >25,000 LF, Deduct	*-0.23*	
		For 60 mils Thick, Deduct	*-0.20*	
		For 125 mils Thick, Add	*0.26*	
		For Broken Line, Deduct	*-0.87*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.14	
		For Up To 5,000 LF, Add	*0.43*	
		For >25,000 LF, Deduct	*-0.32*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
		For Broken Line, Deduct	*-1.30*	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.84	
		For Up To 5,000 LF, Add	*0.57*	
		For >25,000 LF, Deduct	*-0.43*	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
		For Broken Line, Deduct	*-1.73*	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.15	
		For Up To 5,000 LF, Add	*0.83*	
		For >25,000 LF, Deduct	*-0.62*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
		For Broken Line, Deduct	*-2.60*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.82	
		For Up To 5,000 LF, Add	*0.56*	
		For >25,000 LF, Deduct	*-0.42*	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
		For Broken Line On One Side, Deduct	*-0.87*	
		For Double Broken Line, Deduct	*-1.73*	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.15	
		For Up To 5,000 LF, Add	*0.83*	
		For >25,000 LF, Deduct	*-0.62*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
		For Broken Line On One Side, Deduct	*-1.30*	
		For Double Broken Line, Deduct	*-2.60*	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	10.13	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.78*	
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	6.74	
		For Up To 10, Add	*0.75*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.50*	
		For >200, Deduct	*-1.00*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	13.81	
		For Up To 10, Add	*1.14*	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 200, Deduct	*-0.76*	
		For >200, Deduct	*-1.51*	
		For 60 mils Thick, Deduct	*-1.09*	
		For 125 mils Thick, Add	*1.40*	
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	23.51	
		For Up To 10, Add	*1.89*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 200, Deduct	*-1.26*	
		For >200, Deduct	*-2.52*	
		For 60 mils Thick, Deduct	*-1.91*	
		For 125 mils Thick, Add	*2.46*	
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	44.49	
		For Up To 10, Add	*3.80*	
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 200, Deduct	*-2.53*	
		For >200, Deduct	*-5.06*	
		For 60 mils Thick, Deduct	*-3.36*	
		For 125 mils Thick, Add	*4.32*	
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	53.26	
		For Up To 10, Add	*4.25*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 200, Deduct	*-2.83*	
		For >200, Deduct	*-5.66*	
		For 60 mils Thick, Deduct	*-4.37*	
		For 125 mils Thick, Add	*5.61*	
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	95.96	
		For Up To 10, Add	*7.56*	
		For >50 To 100, Deduct	*-3.78*	
		For >100 To 200, Deduct	*-5.04*	
		For >200, Deduct	*-10.08*	
		For 60 mils Thick, Deduct	*-7.98*	
		For 125 mils Thick, Add	*10.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	127.63	
		For Up To 10, Add	*10.15*	
		For >50 To 100, Deduct	*-5.07*	
		For >100 To 200, Deduct	*-6.77*	
		For >200, Deduct	*-13.53*	
		For 60 mils Thick, Deduct	*-10.50*	
		For 125 mils Thick, Add	*13.50*	
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	217.68	
		For Up To 10, Add	*12.57*	
		For >50 To 100, Deduct	*-6.29*	
		For >100 To 200, Deduct	*-8.38*	
		For >200, Deduct	*-16.76*	
		For 60 mils Thick, Deduct	*-23.43*	
		For 125 mils Thick, Add	*30.12*	
32 17 23 33-0018	SF	Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	11.89	
		For 60 mils Thick, Deduct	*-0.76*	
		For 125 mils Thick, Add	*0.97*	
32 17 23 33-0019	SY	Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Per SY of area.	35.62	
		For 60 mils Thick, Deduct	*-1.36*	
		For 125 mils Thick, Add	*1.75*	
32 17 23 33-0020	EA	Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	312.08	
		For 60 mils Thick, Deduct	*-17.38*	
		For 125 mils Thick, Add	*22.35*	
32 17 23 33-0021	EA	Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	926.41	
		For 60 mils Thick, Deduct	*-52.90*	
		For 125 mils Thick, Add	*68.02*	
32 17 23 33-0022	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	181.39	
		For 60 mils Thick, Deduct	*-23.94*	
		For 125 mils Thick, Add	*30.78*	
32 17 23 33-0023	EA	Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	149.26	
		For 60 mils Thick, Deduct	*-8.31*	
		For 125 mils Thick, Add	*10.69*	
32 17 23 33-0024	SF	Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	13.57	
		For 60 mils Thick, Deduct	*-0.76*	
		For 125 mils Thick, Add	*0.97*	
32 17 23 33-0025	EA	10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	189.96	
		For 60 mils Thick, Deduct	*-10.58*	
		For 125 mils Thick, Add	*13.60*	
32 17 23 33-0026	EA	18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	339.22	
		For 60 mils Thick, Deduct	*-18.89*	
		For 125 mils Thick, Add	*24.29*	
32 17 23 33-0027	EA	24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	420.64	
		For 60 mils Thick, Deduct	*-23.43*	
		For 125 mils Thick, Add	*30.12*	
32 17 23 33-0028	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	610.60	
		For 60 mils Thick, Deduct	*-34.01*	
		For 125 mils Thick, Add	*43.72*	
32 17 23 33-0029	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	800.57	
		For 60 mils Thick, Deduct	*-44.59*	
		For 125 mils Thick, Add	*57.33*	
32 17 23 33-0030	EA	24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	569.89	
		For 60 mils Thick, Deduct	*-31.74*	
		For 125 mils Thick, Add	*40.81*	
32 17 23 33-0031	EA	24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	990.53	
		For 60 mils Thick, Deduct	*-55.17*	
		For 125 mils Thick, Add	*70.93*	
32 17 23 33-0032	EA	8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	203.54	
		For 60 mils Thick, Deduct	*-11.34*	
		For 125 mils Thick, Add	*14.58*	
32 17 23 33-0033	EA	24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	447.77	
		For 60 mils Thick, Deduct	*-24.94*	
		For 125 mils Thick, Add	*32.06*	
32 17 23 33-0034	EA	18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	569.89	
		For 60 mils Thick, Deduct	*-31.74*	
		For 125 mils Thick, Add	*40.81*	
32 17 23 33-0035	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	366.37	
		For 60 mils Thick, Deduct	*-20.41*	
		For 125 mils Thick, Add	*26.24*	
32 17 23 33-0036	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	488.48	
		For 60 mils Thick, Deduct	*-27.21*	
		For 125 mils Thick, Add	*34.98*	
32 17 23 33-0037	EA	5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	94.99	
		For 60 mils Thick, Deduct	*-5.29*	
		For 125 mils Thick, Add	*6.80*	
32 17 23 33-0038	EA	Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	495.69	
		For 60 mils Thick, Deduct	*-74.07*	
		For 125 mils Thick, Add	*95.23*	
32 17 23 33-0039	EA	Wrong-Way Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	683.62	
		For 60 mils Thick, Deduct	*-107.74*	
		For 125 mils Thick, Add	*138.52*	
32 17 23 33-0040	EA	Preferential Lane Symbol (Diamond), 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	206.85	
		For 60 mils Thick, Deduct	*-26.93*	
		For 125 mils Thick, Add	*34.63*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0041		**Thermoplastic Reflective Pavement Striping By Hand For Repairs** *(32 17 23 33-0001)*		
32 17 23 33-0042	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.52	
		For 60 mils Thick, Deduct	*-0.20*	
		For 125 mils Thick, Add	*0.26*	
32 17 23 33-0043	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.42	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
32 17 23 33-0044	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.44	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
32 17 23 33-0045	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	7.81	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
32 17 23 33-0046	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	13.99	
		For 60 mils Thick, Deduct	*-1.21*	
		For 125 mils Thick, Add	*1.56*	
32 17 23 33-0047		**Preformed, Patterned Reflective Pavement Marking Tape** *(32 17 23 33-0001)* Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0048	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	3.19	
		For Up To 5,000 LF, Add	*0.64*	
		For >25,000 LF, Deduct	*-0.48*	
32 17 23 33-0049	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.71	
		For Up To 5,000 LF, Add	*0.94*	
		For >25,000 LF, Deduct	*-0.71*	
32 17 23 33-0050	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	6.26	
		For Up To 5,000 LF, Add	*1.25*	
		For >25,000 LF, Deduct	*-0.94*	
32 17 23 33-0051	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	9.28	
		For Up To 5,000 LF, Add	*1.86*	
		For >25,000 LF, Deduct	*-1.39*	
32 17 23 33-0052	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Includes yellow or white.	26.41	
32 17 23 33-0053	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	39.16	
		For <10, Add	*1.37*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 200, Deduct	*-0.91*	
		For >200, Deduct	*-1.83*	
32 17 23 33-0054	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	68.72	
		For <10, Add	*1.74*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 200, Deduct	*-1.16*	
		For >200, Deduct	*-2.32*	
32 17 23 33-0055	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	118.33	
		For <10, Add	*3.44*	
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 200, Deduct	*-2.30*	
		For >200, Deduct	*-4.59*	
32 17 23 33-0056	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	172.00	
		For <10, Add	*6.89*	
		For >50 To 100, Deduct	*-3.44*	
		For >100 To 200, Deduct	*-4.59*	
		For >200, Deduct	*-9.18*	
32 17 23 33-0057	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	201.39	
		For <10, Add	*7.72*	
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 200, Deduct	*-5.15*	
		For >200, Deduct	*-10.30*	
32 17 23 33-0058	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	260.11	
		For <10, Add	*13.74*	
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 200, Deduct	*-9.16*	
		For >200, Deduct	*-18.32*	
32 17 23 33-0059	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	332.20	
		For <10, Add	*18.46*	
		For >50 To 100, Deduct	*-9.23*	
		For >100 To 200, Deduct	*-12.30*	
		For >200, Deduct	*-24.61*	
32 17 23 33-0060	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	416.24	
		For <10, Add	*22.87*	
		For >50 To 100, Deduct	*-11.44*	
		For >100 To 200, Deduct	*-15.25*	
		For >200, Deduct	*-30.49*	
32 17 23 33-0061	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	27.30	
32 17 23 33-0062	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	28.98	
32 17 23 33-0063		**Preformed, Thermoplastic Reflective Pavement Marking** *(32 17 23 33-0001)* Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0064	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	414.18	
32 17 23 33-0065	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	1,098.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0066	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	220.35	
32 17 23 33-0067	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	186.66	
32 17 23 33-0068	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	360.78	
32 17 23 33-0069	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	215.96	
32 17 23 33-0070	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	401.43	
32 17 23 33-0071	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	684.76	
32 17 23 33-0072	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	1,029.96	
32 17 23 33-0073	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	371.70	
32 17 23 33-0074	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	412.35	
32 17 23 33-0075	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	757.82	
32 17 23 33-0076	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	697.01	
32 17 23 33-0077	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	700.36	
32 17 23 33-0078	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	961.52	
32 17 23 33-0079		Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*		
32 17 23 33-0080		Thermoplastic Pavement Marking Symbols For Parking Areas *(32 17 23 33-0079)* Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0081	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White or blue symbol. Excludes striping.	141.82	
32 17 23 33-0082	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	528.63	
32 17 23 33-0083	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	300.22	
32 17 23 33-0084	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	360.38	
32 17 23 33-0085	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	377.65	
32 17 26		**Tactile Warning Surfaces** *(32 17)*		
32 17 26 00-0001		Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)* Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	71.42	10.93
32 17 26 00-0003	SF	Embedded, VPC Truncated Dome Detectable Warning Surface Note: Also raised strips or directional bars. All colors.	57.22	10.93
32 17 26 00-0004		Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) *(32 17 26)* Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	84.95	10.93
32 17 26 00-0006	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	75.12	10.93

32 30 Site Improvements *(32)*

32 31 Fences and Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001		Gate Operators *(32 31 11)* Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0001)*		
32 31 11 00-0003		Swing Gate Actuator (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0004		Single Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0005	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary operator with a 10' wide gate capacity.	2,084.69	230.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary operator with a 14' wide gate capacity.	2,787.89	230.97
32 31 11 00-0007		**Dual Gate, Swing Gate Actuator** *(32 31 11 00-0003)*		
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	4,169.39	461.92
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	5,575.78	461.92
32 31 11 00-0010		**Swing Gate Operators (DKS™ DoorKing®)** *(32 31 11 00-0002)*		
32 31 11 00-0011		**Single Gate, Swing Gate Operators** *(32 31 11 00-0010)*		
32 31 11 00-0012	EA	400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity.	4,284.44	230.97
32 31 11 00-0013	EA	500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity.	4,663.08	230.97
32 31 11 00-0014	EA	700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity.	6,339.94	230.97
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015	EA	800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity.	7,187.39	230.97
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0016		**Dual Gate, Swing Gate Operators** *(32 31 11 00-0010)*		
32 31 11 00-0017	EA	400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity.	7,577.20	461.92
32 31 11 00-0018	EA	500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity.	8,334.49	461.92
32 31 11 00-0019	EA	700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity.	11,670.18	461.92
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0020	EA	800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity.	13,527.34	461.92
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0021		**Sliding Gate Operators (DKS™ DoorKing®)** *(32 31 11 00-0002)* Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
32 31 11 00-0022	EA	300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	1,955.09	230.97
32 31 11 00-0023	EA	1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,726.19	277.15
32 31 11 00-0024	EA	1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	3,359.65	277.15
32 31 11 00-0025	EA	3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,379.61	323.35
32 31 11 00-0026	EA	2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	5,356.95	323.35
32 31 11 00-0027	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	7,295.44	369.54
32 31 11 00-0028	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	12,141.45	369.54
32 31 11 00-0029	EA	10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	20,541.27	415.74
32 31 11 00-0030		**Accessories For Gate Actuators And Operators (DKS™ DoorKing®)** *(32 31 11 00-0002)*		
32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	683.06	
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	1,328.25	
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	906.00	
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	980.35	
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	872.16	
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	610.72	
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators	6.11	
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators	6.38	
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators	8.13	
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators	12.48	
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11)	760.94	162.32

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0042		Sliding Gate Operator (LiftMaster) *(32 31 11 00-0001)*		
32 31 11 00-0043	EA	Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U) Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).	2,875.24	283.21
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	*191.03*	
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	*136.74*	
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	*67.34*	
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	*270.67*	
		For Each Additional 10' Chain, Add	*40.54*	
32 31 13		**Chain Link Fences and Gates** *(32 31)*		
32 31 13 13		**Chain Link Fences and Gates** *(32 31 13)*		
32 31 13 13-0001		Post Holes *(32 31 13 13)* Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.		
32 31 13 13-0002		Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*		
32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.14	
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.41	
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.52	
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	15.21	
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	16.60	
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	18.26	
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	20.29	
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	22.82	
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	26.08	
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	30.43	
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	36.52	
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	45.65	
32 31 13 13-0015		Post Hole In Rock *(32 31 13 13-0001)*		
32 31 13 13-0016	CF	Jackhammer Post Hole In Rock	77.61	
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock	21.21	
32 31 13 13-0018		Fill For Post Holes *(32 31 13 13-0001)* See CSI section 03 21 00 00-0000 for reinforcing bars.		
32 31 13 13-0019		Concrete Fill For Post Holes *(32 31 13 13-0018)*		
32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	6.28	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	8.06	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	8.90	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	10.27	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	14.51	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	19.38	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	23.72	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	27.68	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	37.86	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	47.11	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	56.14	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	65.54	
32 31 13 13-0032		Grout Fill For Post Holes *(32 31 13 13-0018)*		
32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole	7.41	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole	9.53	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole	10.40	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole	11.74	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole	16.43	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole	21.93	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole	26.74	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole	31.06	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole	41.69	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole	51.09	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole	60.21	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole	69.57	
32 31 13 13-0045		Compacted Earth Fill For Post Holes *(32 31 13 13-0018)*		
32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	5.14	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	6.69	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole	7.00	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole	7.20	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole	9.62	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole	12.83	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole	15.40	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole	17.45	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole	21.27	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole	23.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole	26.18	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole	28.23	

32 31 13 13-0058 Fence Posts *(32 31 13 13)*

Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0059 Fence Posts *(32 31 13 13-0058)*

32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel *(32 31 13 13-0059)*

Note: Includes cap and accessories.

32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	22.89	3.57
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	21.88	3.04
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	20.64	2.51
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	19.65	1.99
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	18.99	1.72
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	17.94	1.19
		For Each Top Rail Fitting, Add	*0.85*	

32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) *(32 31 13 13-0059)*

Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	15.67	3.31
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.27*	
		For Vinyl Coated, Add	*5.44*	
		For Powder Coated, Add	*7.25*	
		For Aluminum Coated, Add	*11.33*	
		For Schedule 20, Deduct	*-1.81*	
		For Schedule 80, Add	*5.01*	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	14.53	2.78
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.24*	
		For Vinyl Coated, Add	*5.37*	
		For Powder Coated, Add	*7.16*	
		For Aluminum Coated, Add	*11.19*	
		For Schedule 20, Deduct	*-1.79*	
		For Schedule 80, Add	*4.85*	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.35	2.25
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.22*	
		For Vinyl Coated, Add	*5.33*	
		For Powder Coated, Add	*7.11*	
		For Aluminum Coated, Add	*11.11*	
		For Schedule 20, Deduct	*-1.78*	
		For Schedule 80, Add	*4.71*	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.43	1.72
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.22*	
		For Vinyl Coated, Add	*5.32*	
		For Powder Coated, Add	*7.09*	
		For Aluminum Coated, Add	*11.08*	
		For Schedule 20, Deduct	*-1.77*	
		For Schedule 80, Add	*4.61*	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.83	1.45
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.21*	
		For Vinyl Coated, Add	*5.31*	
		For Powder Coated, Add	*7.08*	
		For Aluminum Coated, Add	*11.06*	
		For Schedule 20, Deduct	*-1.77*	
		For Schedule 80, Add	*4.55*	
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.18	1.19
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.21*	
		For Vinyl Coated, Add	*5.30*	
		For Powder Coated, Add	*7.07*	
		For Aluminum Coated, Add	*11.05*	
		For Schedule 20, Deduct	*-1.77*	
		For Schedule 80, Add	*4.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0074		Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0059)* Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	17.93	3.44
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.77*	
		For Vinyl Coated, Add	*6.65*	
		For Powder Coated, Add	*8.87*	
		For Aluminum Coated, Add	*13.86*	
		For Schedule 20, Deduct	*-2.22*	
		For Schedule 80, Add	*6.01*	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	16.86	2.91
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.74*	
		For Vinyl Coated, Add	*6.56*	
		For Powder Coated, Add	*8.75*	
		For Aluminum Coated, Add	*13.68*	
		For Schedule 20, Deduct	*-2.19*	
		For Schedule 80, Add	*5.84*	
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	15.59	2.38
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.72*	
		For Vinyl Coated, Add	*6.52*	
		For Powder Coated, Add	*8.70*	
		For Aluminum Coated, Add	*13.59*	
		For Schedule 20, Deduct	*-2.17*	
		For Schedule 80, Add	*5.69*	
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	14.61	1.85
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.71*	
		For Vinyl Coated, Add	*6.50*	
		For Powder Coated, Add	*8.66*	
		For Aluminum Coated, Add	*13.54*	
		For Schedule 20, Deduct	*-2.17*	
		For Schedule 80, Add	*5.58*	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	13.96	1.58
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.70*	
		For Vinyl Coated, Add	*6.49*	
		For Powder Coated, Add	*8.65*	
		For Aluminum Coated, Add	*13.51*	
		For Schedule 20, Deduct	*-2.16*	
		For Schedule 80, Add	*5.50*	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	13.37	1.32
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.70*	
		For Vinyl Coated, Add	*6.49*	
		For Powder Coated, Add	*8.65*	
		For Aluminum Coated, Add	*13.51*	
		For Schedule 20, Deduct	*-2.16*	
		For Schedule 80, Add	*5.44*	
32 31 13 13-0081		Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0059)* Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	21.87	3.70
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.67*	
		For Vinyl Coated, Add	*8.80*	
		For Powder Coated, Add	*11.73*	
		For Aluminum Coated, Add	*18.33*	
		For Schedule 20, Deduct	*-2.93*	
		For Schedule 80, Add	*7.76*	
32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	20.69	3.17
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.62*	
		For Vinyl Coated, Add	*8.69*	
		For Powder Coated, Add	*11.59*	
		For Aluminum Coated, Add	*18.11*	
		For Schedule 20, Deduct	*-2.90*	
		For Schedule 80, Add	*7.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	19.37	2.51
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.60*	
		For Vinyl Coated, Add	*8.65*	
		For Powder Coated, Add	*11.53*	
		For Aluminum Coated, Add	*18.01*	
		For Schedule 20, Deduct	*-2.88*	
		For Schedule 80, Add	*7.41*	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	18.34	1.99
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.59*	
		For Vinyl Coated, Add	*8.62*	
		For Powder Coated, Add	*11.50*	
		For Aluminum Coated, Add	*17.96*	
		For Schedule 20, Deduct	*-2.87*	
		For Schedule 80, Add	*7.29*	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	17.66	1.72
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.59*	
		For Vinyl Coated, Add	*8.61*	
		For Powder Coated, Add	*11.48*	
		For Aluminum Coated, Add	*17.94*	
		For Schedule 20, Deduct	*-2.87*	
		For Schedule 80, Add	*7.22*	
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	17.02	1.32
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.59*	
		For Vinyl Coated, Add	*8.60*	
		For Powder Coated, Add	*11.47*	
		For Aluminum Coated, Add	*17.93*	
		For Schedule 20, Deduct	*-2.87*	
		For Schedule 80, Add	*7.15*	

32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0059)*

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	30.09	3.97
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.54*	
		For Vinyl Coated, Add	*13.30*	
		For Powder Coated, Add	*17.73*	
		For Aluminum Coated, Add	*27.70*	
		For Schedule 20, Deduct	*-4.43*	
		For Schedule 80, Add	*11.43*	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	28.65	3.44
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.45*	
		For Vinyl Coated, Add	*13.09*	
		For Powder Coated, Add	*17.45*	
		For Aluminum Coated, Add	*27.26*	
		For Schedule 20, Deduct	*-4.36*	
		For Schedule 80, Add	*11.15*	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	27.15	2.78
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.41*	
		For Vinyl Coated, Add	*12.98*	
		For Powder Coated, Add	*17.31*	
		For Aluminum Coated, Add	*27.05*	
		For Schedule 20, Deduct	*-4.33*	
		For Schedule 80, Add	*10.94*	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	25.95	2.25
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.39*	
		For Vinyl Coated, Add	*12.93*	
		For Powder Coated, Add	*17.24*	
		For Aluminum Coated, Add	*26.94*	
		For Schedule 20, Deduct	*-4.31*	
		For Schedule 80, Add	*10.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	25.18	1.85
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.38*	
		For Vinyl Coated, Add	*12.91*	
		For Powder Coated, Add	*17.21*	
		For Aluminum Coated, Add	*26.89*	
		For Schedule 20, Deduct	*-4.30*	
		For Schedule 80, Add	*10.69*	
32 31 13 13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	24.48	1.45
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.38*	
		For Vinyl Coated, Add	*12.90*	
		For Powder Coated, Add	*17.20*	
		For Aluminum Coated, Add	*26.88*	
		For Schedule 20, Deduct	*-4.30*	
		For Schedule 80, Add	*10.62*	

32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) *(32 31 13 13-0059)*

Note: 4" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	44.52	4.23
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.04*	
		For Vinyl Coated, Add	*21.70*	
		For Powder Coated, Add	*28.94*	
		For Aluminum Coated, Add	*45.21*	
		For Schedule 20, Deduct	*-7.23*	
		For Schedule 80, Add	*18.20*	
32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	42.50	3.44
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.89*	
		For Vinyl Coated, Add	*21.32*	
		For Powder Coated, Add	*28.43*	
		For Aluminum Coated, Add	*44.43*	
		For Schedule 20, Deduct	*-7.11*	
		For Schedule 80, Add	*17.76*	
32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	41.03	2.91
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.81*	
		For Vinyl Coated, Add	*21.14*	
		For Powder Coated, Add	*28.18*	
		For Aluminum Coated, Add	*44.04*	
		For Schedule 20, Deduct	*-7.05*	
		For Schedule 80, Add	*17.49*	
32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	39.71	2.38
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.77*	
		For Vinyl Coated, Add	*21.04*	
		For Powder Coated, Add	*28.06*	
		For Aluminum Coated, Add	*43.84*	
		For Schedule 20, Deduct	*-7.01*	
		For Schedule 80, Add	*17.30*	
32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	39.63	2.38
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.75*	
		For Vinyl Coated, Add	*20.99*	
		For Powder Coated, Add	*27.99*	
		For Aluminum Coated, Add	*43.74*	
		For Schedule 20, Deduct	*-7.00*	
		For Schedule 80, Add	*17.26*	
32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	38.29	1.72
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.75*	
		For Vinyl Coated, Add	*20.99*	
		For Powder Coated, Add	*27.98*	
		For Aluminum Coated, Add	*43.73*	
		For Schedule 20, Deduct	*-7.00*	
		For Schedule 80, Add	*17.12*	

32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0059)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	88.61	4.63
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*19.83*	
		For Vinyl Coated, Add	*47.60*	
		For Powder Coated, Add	*63.46*	
		For Aluminum Coated, Add	*99.16*	
		For Schedule 20, Deduct	*-15.87*	
		For Schedule 80, Add	*39.01*	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	84.72	3.84
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*19.24*	
		For Vinyl Coated, Add	*46.16*	
		For Powder Coated, Add	*61.55*	
		For Aluminum Coated, Add	*96.18*	
		For Schedule 20, Deduct	*-15.39*	
		For Schedule 80, Add	*37.71*	
32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	82.20	3.17
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.94*	
		For Vinyl Coated, Add	*45.45*	
		For Powder Coated, Add	*60.60*	
		For Aluminum Coated, Add	*94.69*	
		For Schedule 20, Deduct	*-15.15*	
		For Schedule 80, Add	*37.01*	
32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	80.31	2.51
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.79*	
		For Vinyl Coated, Add	*45.10*	
		For Powder Coated, Add	*60.13*	
		For Aluminum Coated, Add	*93.95*	
		For Schedule 20, Deduct	*-15.03*	
		For Schedule 80, Add	*36.59*	
32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	79.26	2.25
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.72*	
		For Vinyl Coated, Add	*44.92*	
		For Powder Coated, Add	*59.89*	
		For Aluminum Coated, Add	*93.58*	
		For Schedule 20, Deduct	*-14.97*	
		For Schedule 80, Add	*36.37*	
32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	78.47	1.85
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.70*	
		For Vinyl Coated, Add	*44.88*	
		For Powder Coated, Add	*59.84*	
		For Aluminum Coated, Add	*93.50*	
		For Schedule 20, Deduct	*-14.96*	
		For Schedule 80, Add	*36.27*	

32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) *(32 31 13 13-0059)*

Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	172.50	5.16
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*40.55*	
		For Vinyl Coated, Add	*97.31*	
		For Powder Coated, Add	*129.75*	
		For Aluminum Coated, Add	*202.74*	
		For Schedule 20, Deduct	*-32.44*	
		For Schedule 80, Add	*78.88*	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	166.07	4.36
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*39.36*	
		For Vinyl Coated, Add	*94.47*	
		For Powder Coated, Add	*125.96*	
		For Aluminum Coated, Add	*196.81*	
		For Schedule 20, Deduct	*-31.49*	
		For Schedule 80, Add	*76.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	162.22	3.57
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.77*	
		For Vinyl Coated, Add	*93.04*	
		For Powder Coated, Add	*124.06*	
		For Aluminum Coated, Add	*193.84*	
		For Schedule 20, Deduct	*-31.01*	
		For Schedule 80, Add	*75.15*	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	159.56	2.78
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.47*	
		For Vinyl Coated, Add	*92.33*	
		For Powder Coated, Add	*123.11*	
		For Aluminum Coated, Add	*192.36*	
		For Schedule 20, Deduct	*-30.78*	
		For Schedule 80, Add	*74.43*	
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	158.19	2.38
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.32*	
		For Vinyl Coated, Add	*91.97*	
		For Powder Coated, Add	*122.63*	
		For Aluminum Coated, Add	*191.61*	
		For Schedule 20, Deduct	*-30.66*	
		For Schedule 80, Add	*74.07*	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	157.26	1.99
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.29*	
		For Vinyl Coated, Add	*91.90*	
		For Powder Coated, Add	*122.54*	
		For Aluminum Coated, Add	*191.46*	
		For Schedule 20, Deduct	*-30.63*	
		For Schedule 80, Add	*73.93*	

32 31 13 13-0116 Driven Post Supports *(32 31 13 13)*

Note: OZ-Post.

32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	80.90
32 31 13 13-0119	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post Note: OZ-Post HB-700.	80.90
32 31 13 13-0120	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post IS-600.	82.93
32 31 13 13-0121	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post ISW-850.	99.78

32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	93.69
32 31 13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	90.64
32 31 13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	94.30
32 31 13 13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	99.78
32 31 13 13-0127	EA	34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	99.78

32 31 13 13-0128 Driven Post Support For Wooden Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0129	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	91.73
32 31 13 13-0130	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	96.73
32 31 13 13-0131	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	103.85
32 31 13 13-0132	EA	34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	103.85
32 31 13 13-0133	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	117.06
32 31 13 13-0134	EA	36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	126.40

32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0136	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	91.73
32 31 13 13-0137	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	96.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	103.85	
32 31 13 13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	105.47	

32 31 13 13-0140 Chain Link Fence Assemblies *(32 31 13 13)*

32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts *(32 31 13 13-0140)*

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0673 for barb wire attachments.

32 31 13 13-0142 Galvanized *(32 31 13 13-0141)*

32 31 13 13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.28	4.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.10*	
		For 13 Gauge Fabric, Deduct	*-9.26*	
		For 11 Gauge Fabric, Deduct	*-5.41*	
		For 6 Gauge Fabric, Add	*8.50*	
		For 1" Mesh Fabric, Add	*11.60*	
		For 1-3/4" Mesh Fabric, Add	*4.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.32*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.09*	
		For Posts 8' On Centers, Add	*2.43*	
		For Posts 5' On Centers, Add	*9.12*	
		For Up To 100, Add	*8.40*	
		For >100 To 250, Add	*3.10*	
		For >2,500 To 5,000, Deduct	*-1.55*	
		For >5,000, Deduct	*-3.10*	
		For 3/8" Non-Climbable Mesh, Add	*32.97*	
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	46.00	4.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.19*	
		For 13 Gauge Fabric, Deduct	*-9.77*	
		For 11 Gauge Fabric, Deduct	*-5.71*	
		For 6 Gauge Fabric, Add	*8.97*	
		For 1" Mesh Fabric, Add	*12.23*	
		For 1-3/4" Mesh Fabric, Add	*4.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.45*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.26*	
		For Posts 8' On Centers, Add	*2.51*	
		For Posts 5' On Centers, Add	*9.44*	
		For Up To 100, Add	*8.69*	
		For >100 To 250, Add	*3.19*	
		For >2,500 To 5,000, Deduct	*-1.60*	
		For >5,000, Deduct	*-3.19*	
		For 3/8" Non-Climbable Mesh, Add	*37.80*	
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	47.54	4.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.29*	
		For 13 Gauge Fabric, Deduct	*-10.21*	
		For 11 Gauge Fabric, Deduct	*-5.96*	
		For 6 Gauge Fabric, Add	*9.37*	
		For 1" Mesh Fabric, Add	*12.78*	
		For 1-3/4" Mesh Fabric, Add	*5.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.56*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.41*	
		For Posts 8' On Centers, Add	*2.60*	
		For Posts 5' On Centers, Add	*9.74*	
		For Up To 100, Add	*8.95*	
		For >100 To 250, Add	*3.29*	
		For >2,500 To 5,000, Deduct	*-1.64*	
		For >5,000, Deduct	*-3.29*	
		For 3/8" Non-Climbable Mesh, Add	*42.67*	
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	51.10	4.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.49*	
		For 13 Gauge Fabric, Deduct	*-11.24*	
		For 11 Gauge Fabric, Deduct	*-6.57*	
		For 6 Gauge Fabric, Add	*10.32*	
		For 1" Mesh Fabric, Add	*14.07*	
		For 1-3/4" Mesh Fabric, Add	*5.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.81*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.75*	
		For Posts 8' On Centers, Add	*2.78*	
		For Posts 5' On Centers, Add	*10.42*	
		For Up To 100, Add	*9.54*	
		For >100 To 250, Add	*3.49*	
		For >2,500 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-3.49*	
		For 3/8" Non-Climbable Mesh, Add	*51.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	55.33	4.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.77*	
		For 13 Gauge Fabric, Deduct	*-12.29*	
		For 11 Gauge Fabric, Deduct	*-7.18*	
		For 6 Gauge Fabric, Add	*11.28*	
		For 1" Mesh Fabric, Add	*15.38*	
		For 1-3/4" Mesh Fabric, Add	*6.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.08*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.10*	
		For Posts 8' On Centers, Add	*3.01*	
		For Posts 5' On Centers, Add	*11.26*	
		For Up To 100, Add	*10.30*	
		For >100 To 250, Add	*3.77*	
		For >2,500 To 5,000, Deduct	*-1.88*	
		For >5,000, Deduct	*-3.77*	
		For 3/8" Non-Climbable Mesh, Add	*60.95*	
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	57.36	6.74
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.90*	
		For 13 Gauge Fabric, Deduct	*-12.73*	
		For 11 Gauge Fabric, Deduct	*-7.44*	
		For 6 Gauge Fabric, Add	*11.69*	
		For 1" Mesh Fabric, Add	*15.94*	
		For 1-3/4" Mesh Fabric, Add	*6.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.19*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.25*	
		For Posts 8' On Centers, Add	*3.12*	
		For Posts 5' On Centers, Add	*11.67*	
		For Up To 100, Add	*10.68*	
		For >100 To 250, Add	*3.90*	
		For >2,500 To 5,000, Deduct	*-1.95*	
		For >5,000, Deduct	*-3.90*	
		For 3/8" Non-Climbable Mesh, Add	*70.26*	
32 31 13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	65.14	7.87
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.36*	
		For 13 Gauge Fabric, Deduct	*-14.97*	
		For 11 Gauge Fabric, Deduct	*-8.74*	
		For 6 Gauge Fabric, Add	*13.74*	
		For 1" Mesh Fabric, Add	*18.74*	
		For 1-3/4" Mesh Fabric, Add	*7.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.75*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.00*	
		For Posts 8' On Centers, Add	*3.52*	
		For Posts 5' On Centers, Add	*13.16*	
		For Up To 100, Add	*11.98*	
		For >100 To 250, Add	*4.36*	
		For >2,500 To 5,000, Deduct	*-2.18*	
		For >5,000, Deduct	*-4.36*	
		For 3/8" Non-Climbable Mesh, Add	*79.67*	
32 31 13 13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	69.43	10.12
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.63*	
		For 13 Gauge Fabric, Deduct	*-16.10*	
		For 11 Gauge Fabric, Deduct	*-9.40*	
		For 6 Gauge Fabric, Add	*14.78*	
		For 1" Mesh Fabric, Add	*20.15*	
		For 1-3/4" Mesh Fabric, Add	*8.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.03*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.37*	
		For Posts 8' On Centers, Add	*3.75*	
		For Posts 5' On Centers, Add	*14.00*	
		For Up To 100, Add	*12.73*	
		For >100 To 250, Add	*4.63*	
		For >2,500 To 5,000, Deduct	*-2.31*	
		For >5,000, Deduct	*-4.63*	
		For 3/8" Non-Climbable Mesh, Add	*87.85*	
32 31 13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	73.74	11.24
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.90*	
		For 13 Gauge Fabric, Deduct	*-17.23*	
		For 11 Gauge Fabric, Deduct	*-10.06*	
		For 6 Gauge Fabric, Add	*15.81*	
		For 1" Mesh Fabric, Add	*21.56*	
		For 1-3/4" Mesh Fabric, Add	*8.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.31*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.75*	
		For Posts 8' On Centers, Add	*3.98*	
		For Posts 5' On Centers, Add	*14.84*	
		For Up To 100, Add	*13.48*	
		For >100 To 250, Add	*4.90*	
		For >2,500 To 5,000, Deduct	*-2.45*	
		For >5,000, Deduct	*-4.90*	
		For 3/8" Non-Climbable Mesh, Add	*96.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	81.85	13.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.40*	
		For 13 Gauge Fabric, Deduct	*-19.34*	
		For 11 Gauge Fabric, Deduct	*-11.30*	
		For 6 Gauge Fabric, Add	*17.76*	
		For 1" Mesh Fabric, Add	*24.21*	
		For 1-3/4" Mesh Fabric, Add	*9.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.84*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.46*	
		For Posts 8' On Centers, Add	*4.41*	
		For Posts 5' On Centers, Add	*16.44*	
		For Up To 100, Add	*14.90*	
		For >100 To 250, Add	*5.40*	
		For >2,500 To 5,000, Deduct	*-2.70*	
		For >5,000, Deduct	*-5.40*	
		For Each Additional Foot >12, Add	*4.37*	
		For 3/8" Non-Climbable Mesh, Add	*104.47*	

32 31 13 13-0153 Vinyl Coated *(32 31 13 13-0141)*

32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	49.18	4.49
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*4.65*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.37*	
		For 13 Gauge Fabric, Deduct	*-10.78*	
		For 11 Gauge Fabric, Deduct	*-6.30*	
		For 6 Gauge Fabric, Add	*9.89*	
		For 1" Mesh Fabric, Add	*13.49*	
		For 1-3/4" Mesh Fabric, Add	*5.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.70*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.60*	
		For Posts 8' On Centers, Add	*2.68*	
		For Posts 5' On Centers, Add	*10.03*	
		For Up To 100, Add	*9.19*	
		For >100 To 250, Add	*3.37*	
		For >2,500 To 5,000, Deduct	*-1.68*	
		For >5,000, Deduct	*-3.37*	
		For 3/8" Non-Climbable Mesh, Add	*47.81*	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	53.17	4.49
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.16*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.60*	
		For 13 Gauge Fabric, Deduct	*-11.96*	
		For 11 Gauge Fabric, Deduct	*-6.99*	
		For 6 Gauge Fabric, Add	*10.98*	
		For 1" Mesh Fabric, Add	*14.97*	
		For 1-3/4" Mesh Fabric, Add	*5.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.99*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.99*	
		For Posts 8' On Centers, Add	*2.88*	
		For Posts 5' On Centers, Add	*10.79*	
		For Up To 100, Add	*9.85*	
		For >100 To 250, Add	*3.60*	
		For >2,500 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-3.60*	
		For 3/8" Non-Climbable Mesh, Add	*58.20*	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	59.54	4.49
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.94*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.98*	
		For 13 Gauge Fabric, Deduct	*-13.75*	
		For 11 Gauge Fabric, Deduct	*-8.03*	
		For 6 Gauge Fabric, Add	*12.62*	
		For 1" Mesh Fabric, Add	*17.21*	
		For 1-3/4" Mesh Fabric, Add	*6.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.44*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.59*	
		For Posts 8' On Centers, Add	*3.22*	
		For Posts 5' On Centers, Add	*12.02*	
		For Up To 100, Add	*10.93*	
		For >100 To 250, Add	*3.98*	
		For >2,500 To 5,000, Deduct	*-1.99*	
		For >5,000, Deduct	*-3.98*	
		For 3/8" Non-Climbable Mesh, Add	*68.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	62.25	6.74
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.23*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.15*	
		For 13 Gauge Fabric, Deduct	*-14.43*	
		For 11 Gauge Fabric, Deduct	*-8.43*	
		For 6 Gauge Fabric, Add	*13.25*	
		For 1" Mesh Fabric, Add	*18.07*	
		For 1-3/4" Mesh Fabric, Add	*7.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.82*	
		For Posts 8' On Centers, Add	*3.36*	
		For Posts 5' On Centers, Add	*12.55*	
		For Up To 100, Add	*11.41*	
		For >100 To 250, Add	*4.15*	
		For >2,500 To 5,000, Deduct	*-2.07*	
		For >5,000, Deduct	*-4.15*	
		For 3/8" Non-Climbable Mesh, Add	*79.25*	
32 31 13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	70.83	7.87
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*7.31*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.65*	
		For 13 Gauge Fabric, Deduct	*-16.94*	
		For 11 Gauge Fabric, Deduct	*-9.90*	
		For 6 Gauge Fabric, Add	*15.55*	
		For 1" Mesh Fabric, Add	*21.21*	
		For 1-3/4" Mesh Fabric, Add	*8.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.24*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.66*	
		For Posts 8' On Centers, Add	*3.81*	
		For Posts 5' On Centers, Add	*14.18*	
		For Up To 100, Add	*12.83*	
		For >100 To 250, Add	*4.65*	
		For >2,500 To 5,000, Deduct	*-2.32*	
		For >5,000, Deduct	*-4.65*	
		For 3/8" Non-Climbable Mesh, Add	*89.94*	
32 31 13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	75.54	10.12
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*7.86*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.93*	
		For 13 Gauge Fabric, Deduct	*-18.22*	
		For 11 Gauge Fabric, Deduct	*-10.64*	
		For 6 Gauge Fabric, Add	*16.73*	
		For 1" Mesh Fabric, Add	*22.81*	
		For 1-3/4" Mesh Fabric, Add	*9.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.56*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.08*	
		For Posts 8' On Centers, Add	*4.05*	
		For Posts 5' On Centers, Add	*15.10*	
		For Up To 100, Add	*13.64*	
		For >100 To 250, Add	*4.93*	
		For >2,500 To 5,000, Deduct	*-2.47*	
		For >5,000, Deduct	*-4.93*	
		For 3/8" Non-Climbable Mesh, Add	*99.28*	
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	80.27	11.24
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.42*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.22*	
		For 13 Gauge Fabric, Deduct	*-19.49*	
		For 11 Gauge Fabric, Deduct	*-11.39*	
		For 6 Gauge Fabric, Add	*17.90*	
		For 1" Mesh Fabric, Add	*24.40*	
		For 1-3/4" Mesh Fabric, Add	*9.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.88*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.51*	
		For Posts 8' On Centers, Add	*4.30*	
		For Posts 5' On Centers, Add	*16.02*	
		For Up To 100, Add	*14.46*	
		For >100 To 250, Add	*5.22*	
		For >2,500 To 5,000, Deduct	*-2.61*	
		For >5,000, Deduct	*-5.22*	
		For 3/8" Non-Climbable Mesh, Add	*108.91*	
32 31 13 13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	87.59	13.49
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*9.21*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.69*	
		For 13 Gauge Fabric, Deduct	*-21.34*	
		For 11 Gauge Fabric, Deduct	*-12.46*	
		For 6 Gauge Fabric, Add	*19.59*	
		For 1" Mesh Fabric, Add	*26.71*	
		For 1-3/4" Mesh Fabric, Add	*10.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.34*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.12*	
		For Posts 8' On Centers, Add	*4.69*	
		For Posts 5' On Centers, Add	*17.47*	
		For Up To 100, Add	*15.76*	
		For >100 To 250, Add	*5.69*	
		For >2,500 To 5,000, Deduct	*-2.84*	
		For >5,000, Deduct	*-5.69*	
		For Each Additional Foot >12, Add	*4.62*	
		For 3/8" Non-Climbable Mesh, Add	*118.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0162		**Rails** *(32 31 13 13)* Note: Includes rail end fittings.		
32 31 13 13-0163		**SS-20 Chain Link Fence Rails** *(32 31 13 13-0162)* Note: Includes tie wires.		
32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	8.06	1.45
		For SS15, Deduct	*-0.50*	
		For SS40, Add	*1.26*	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	9.75	1.45
		For SS40, Add	*0.67*	
		For Powder Coated, Add	*1.34*	
		For Aluminum Coated, Add	*2.68*	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	10.01	1.65
		For SS15, Deduct	*-0.67*	
		For SS40, Add	*1.68*	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	12.26	1.65
		For SS40, Add	*0.90*	
		For Powder Coated, Add	*1.79*	
		For Aluminum Coated, Add	*3.58*	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	11.73	1.85
		For SS40, Add	*2.01*	
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	14.44	1.85
		For SS40, Add	*1.07*	
		For Powder Coated, Add	*2.15*	
		For Aluminum Coated, Add	*4.30*	
32 31 13 13-0170		**SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal)** *(32 31 13 13-0162)*		
32 31 13 13-0171	LF	1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings	10.55	1.45
		For SS40, Add	*1.81*	
32 31 13 13-0172	LF	1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings	12.81	1.45
		For SS40, Add	*0.95*	
		For Powder Coated, Add	*1.90*	
		For Aluminum Coated, Add	*3.80*	
32 31 13 13-0173		**Fabric** *(32 31 13 13)*		
32 31 13 13-0174		**Fabric, Galvanized Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0175	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	12.64	2.64
		For 1-1/4" Mesh Fabric, Add	*1.13*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.01*	
		For 13 Gauge Fabric, Deduct	*-1.82*	
		For 11 Gauge Fabric, Deduct	*-1.01*	
		For 6 Gauge Fabric, Add	*3.23*	
		For 1" Mesh Fabric, Add	*3.03*	
		For 1-1/4" Mesh Fabric, Add	*2.02*	
		For 1-3/4" Mesh Fabric, Add	*1.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.81*	
		For 3/8" Non-Climbable Mesh, Add	*34.26*	
32 31 13 13-0176	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.97	2.97
		For 1-1/4" Mesh Fabric, Add	*1.32*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.18*	
		For 13 Gauge Fabric, Deduct	*-2.12*	
		For 11 Gauge Fabric, Deduct	*-1.18*	
		For 6 Gauge Fabric, Add	*3.77*	
		For 1" Mesh Fabric, Add	*3.53*	
		For 1-1/4" Mesh Fabric, Add	*2.36*	
		For 1-3/4" Mesh Fabric, Add	*1.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.71*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.94*	
		For 3/8" Non-Climbable Mesh, Add	*39.19*	
32 31 13 13-0177	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	15.10	3.31
		For 1-1/4" Mesh Fabric, Add	*1.45*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.30*	
		For 13 Gauge Fabric, Deduct	*-2.33*	
		For 11 Gauge Fabric, Deduct	*-1.30*	
		For 6 Gauge Fabric, Add	*4.14*	
		For 1" Mesh Fabric, Add	*3.89*	
		For 1-1/4" Mesh Fabric, Add	*2.59*	
		For 1-3/4" Mesh Fabric, Add	*1.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.78*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.04*	
		For 3/8" Non-Climbable Mesh, Add	*44.16*	
32 31 13 13-0178	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	17.04	3.97
		For 1-1/4" Mesh Fabric, Add	*1.81*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.62*	
		For 13 Gauge Fabric, Deduct	*-2.91*	
		For 11 Gauge Fabric, Deduct	*-1.62*	
		For 6 Gauge Fabric, Add	*5.17*	
		For 1" Mesh Fabric, Add	*4.85*	
		For 1-1/4" Mesh Fabric, Add	*3.23*	
		For 1-3/4" Mesh Fabric, Add	*1.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.97*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.29*	
		For 3/8" Non-Climbable Mesh, Add	*53.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0179	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	19.10	4.63
		For 1-1/4" Mesh Fabric, Add	*2.18*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.94*	
		For 13 Gauge Fabric, Deduct	*-3.50*	
		For 11 Gauge Fabric, Deduct	*-1.94*	
		For 6 Gauge Fabric, Add	*6.22*	
		For 1" Mesh Fabric, Add	*5.83*	
		For 1-1/4" Mesh Fabric, Add	*3.89*	
		For 1-3/4" Mesh Fabric, Add	*2.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.17*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.55*	
		For 3/8" Non-Climbable Mesh, Add	*62.65*	
32 31 13 13-0180	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	21.26	5.29
		For 1-1/4" Mesh Fabric, Add	*2.53*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.26*	
		For 13 Gauge Fabric, Deduct	*-4.07*	
		For 11 Gauge Fabric, Deduct	*-2.26*	
		For 6 Gauge Fabric, Add	*7.24*	
		For 1" Mesh Fabric, Add	*6.79*	
		For 1-1/4" Mesh Fabric, Add	*4.53*	
		For 1-3/4" Mesh Fabric, Add	*2.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.36*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.81*	
		For 3/8" Non-Climbable Mesh, Add	*72.09*	
32 31 13 13-0181	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	23.57	6.61
		For 1-1/4" Mesh Fabric, Add	*2.90*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.59*	
		For 13 Gauge Fabric, Deduct	*-4.66*	
		For 11 Gauge Fabric, Deduct	*-2.59*	
		For 6 Gauge Fabric, Add	*8.28*	
		For 1" Mesh Fabric, Add	*7.76*	
		For 1-1/4" Mesh Fabric, Add	*5.18*	
		For 1-3/4" Mesh Fabric, Add	*3.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.55*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.07*	
		For 3/8" Non-Climbable Mesh, Add	*81.66*	
32 31 13 13-0182	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	28.04	7.28
		For 1-1/4" Mesh Fabric, Add	*3.76*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*3.36*	
		For 13 Gauge Fabric, Deduct	*-6.05*	
		For 11 Gauge Fabric, Deduct	*-3.36*	
		For 6 Gauge Fabric, Add	*10.75*	
		For 1" Mesh Fabric, Add	*10.08*	
		For 1-1/4" Mesh Fabric, Add	*6.72*	
		For 1-3/4" Mesh Fabric, Add	*4.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.02*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.69*	
		For 3/8" Non-Climbable Mesh, Add	*98.52*	
32 31 13 13-0183	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	31.98	7.93
		For 1-1/4" Mesh Fabric, Add	*4.51*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.03*	
		For 13 Gauge Fabric, Deduct	*-7.25*	
		For 11 Gauge Fabric, Deduct	*-4.03*	
		For 6 Gauge Fabric, Add	*12.89*	
		For 1" Mesh Fabric, Add	*12.08*	
		For 1-1/4" Mesh Fabric, Add	*8.06*	
		For 1-3/4" Mesh Fabric, Add	*4.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.22*	
		For 3/8" Non-Climbable Mesh, Add	*106.85*	
32 31 13 13-0184	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	35.81	9.26
		For 1-1/4" Mesh Fabric, Add	*4.84*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.33*	
		For 13 Gauge Fabric, Deduct	*-7.79*	
		For 11 Gauge Fabric, Deduct	*-4.33*	
		For 6 Gauge Fabric, Add	*13.84*	
		For 1" Mesh Fabric, Add	*12.98*	
		For 1-1/4" Mesh Fabric, Add	*8.65*	
		For 1-3/4" Mesh Fabric, Add	*5.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.60*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.46*	
		For 3/8" Non-Climbable Mesh, Add	*116.56*	
32 31 13 13-0185	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	39.66	10.58
		For 1-1/4" Mesh Fabric, Add	*5.18*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.63*	
		For 13 Gauge Fabric, Deduct	*-8.33*	
		For 11 Gauge Fabric, Deduct	*-4.63*	
		For 6 Gauge Fabric, Add	*14.80*	
		For 1" Mesh Fabric, Add	*13.88*	
		For 1-1/4" Mesh Fabric, Add	*9.25*	
		For 1-3/4" Mesh Fabric, Add	*5.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.78*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.70*	
		For 3/8" Non-Climbable Mesh, Add	*126.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0186	SF	>16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	2.48	0.62
		For 1-1/4" Mesh Fabric, Add	*0.32*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.29*	
		For 13 Gauge Fabric, Deduct	*-0.52*	
		For 11 Gauge Fabric, Deduct	*-0.29*	
		For 6 Gauge Fabric, Add	*0.93*	
		For 1" Mesh Fabric, Add	*0.87*	
		For 1-1/4" Mesh Fabric, Add	*0.58*	
		For 1-3/4" Mesh Fabric, Add	*0.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.17*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.23*	
32 31 13 13-0187		Fabric, Vinyl Coated Chain Link *(32 31 13 13-0173)*		
32 31 13 13-0188	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	16.75	2.64
		For 1-1/4" Mesh Fabric, Add	*1.91*	
		For 13 Gauge Fabric, Deduct	*-3.07*	
		For 11 Gauge Fabric, Deduct	*-1.71*	
		For 6 Gauge Fabric, Add	*5.46*	
		For 1" Mesh Fabric, Add	*5.12*	
		For 1-1/4" Mesh Fabric, Add	*3.42*	
		For 1-3/4" Mesh Fabric, Add	*2.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.02*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.37*	
		For 3/8" Non-Climbable Mesh, Add	*49.30*	
		For Aluminum Coated, Add	*2.73*	
32 31 13 13-0189	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	19.11	3.97
		For 1-1/4" Mesh Fabric, Add	*2.39*	
		For 13 Gauge Fabric, Deduct	*-3.84*	
		For 11 Gauge Fabric, Deduct	*-2.13*	
		For 6 Gauge Fabric, Add	*6.82*	
		For 1" Mesh Fabric, Add	*6.40*	
		For 1-1/4" Mesh Fabric, Add	*4.27*	
		For 1-3/4" Mesh Fabric, Add	*2.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.28*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.71*	
		For 3/8" Non-Climbable Mesh, Add	*59.78*	
		For Aluminum Coated, Add	*3.41*	
32 31 13 13-0190	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	23.30	4.63
		For 1-1/4" Mesh Fabric, Add	*3.35*	
		For 13 Gauge Fabric, Deduct	*-5.39*	
		For 11 Gauge Fabric, Deduct	*-2.99*	
		For 6 Gauge Fabric, Add	*9.58*	
		For 1" Mesh Fabric, Add	*8.98*	
		For 1-1/4" Mesh Fabric, Add	*5.99*	
		For 1-3/4" Mesh Fabric, Add	*3.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.80*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.39*	
		For 3/8" Non-Climbable Mesh, Add	*70.35*	
		For Aluminum Coated, Add	*4.79*	
32 31 13 13-0191	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	26.14	5.29
		For 1-1/4" Mesh Fabric, Add	*3.90*	
		For 13 Gauge Fabric, Deduct	*-6.27*	
		For 11 Gauge Fabric, Deduct	*-3.48*	
		For 6 Gauge Fabric, Add	*11.14*	
		For 1" Mesh Fabric, Add	*10.45*	
		For 1-1/4" Mesh Fabric, Add	*6.97*	
		For 1-3/4" Mesh Fabric, Add	*4.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.09*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.79*	
		For 3/8" Non-Climbable Mesh, Add	*81.08*	
		For Aluminum Coated, Add	*5.57*	
32 31 13 13-0192	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	29.26	6.61
		For 1-1/4" Mesh Fabric, Add	*4.49*	
		For 13 Gauge Fabric, Deduct	*-7.22*	
		For 11 Gauge Fabric, Deduct	*-4.01*	
		For 6 Gauge Fabric, Add	*12.83*	
		For 1" Mesh Fabric, Add	*12.03*	
		For 1-1/4" Mesh Fabric, Add	*8.02*	
		For 1-3/4" Mesh Fabric, Add	*4.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.41*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.21*	
		For 3/8" Non-Climbable Mesh, Add	*91.93*	
		For Aluminum Coated, Add	*6.42*	
32 31 13 13-0193	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	34.57	7.28
		For 1-1/4" Mesh Fabric, Add	*5.59*	
		For 13 Gauge Fabric, Deduct	*-8.99*	
		For 11 Gauge Fabric, Deduct	*-4.99*	
		For 6 Gauge Fabric, Add	*15.98*	
		For 1" Mesh Fabric, Add	*14.98*	
		For 1-1/4" Mesh Fabric, Add	*9.99*	
		For 1-3/4" Mesh Fabric, Add	*5.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.00*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.99*	
		For 3/8" Non-Climbable Mesh, Add	*111.11*	
		For Aluminum Coated, Add	*7.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0194	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	37.71	7.93
		For 1-1/4" Mesh Fabric, Add	*6.12*	
		For 13 Gauge Fabric, Deduct	*-9.83*	
		For 11 Gauge Fabric, Deduct	*-5.46*	
		For 6 Gauge Fabric, Add	*17.47*	
		For 1" Mesh Fabric, Add	*16.38*	
		For 1-1/4" Mesh Fabric, Add	*10.92*	
		For 1-3/4" Mesh Fabric, Add	*6.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.28*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.37*	
		For 3/8" Non-Climbable Mesh, Add	*120.49*	
		For Aluminum Coated, Add	*8.74*	
32 31 13 13-0195	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	42.55	9.26
		For 1-1/4" Mesh Fabric, Add	*6.73*	
		For 13 Gauge Fabric, Deduct	*-10.82*	
		For 11 Gauge Fabric, Deduct	*-6.01*	
		For 6 Gauge Fabric, Add	*19.23*	
		For 1" Mesh Fabric, Add	*18.03*	
		For 1-1/4" Mesh Fabric, Add	*12.02*	
		For 1-3/4" Mesh Fabric, Add	*7.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.81*	
		For 3/8" Non-Climbable Mesh, Add	*131.27*	
		For Aluminum Coated, Add	*9.62*	
32 31 13 13-0196	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	47.51	10.58
		For 1-1/4" Mesh Fabric, Add	*7.38*	
		For 13 Gauge Fabric, Deduct	*-11.86*	
		For 11 Gauge Fabric, Deduct	*-6.59*	
		For 6 Gauge Fabric, Add	*21.08*	
		For 1" Mesh Fabric, Add	*19.76*	
		For 1-1/4" Mesh Fabric, Add	*13.18*	
		For 1-3/4" Mesh Fabric, Add	*7.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.95*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.27*	
		For 3/8" Non-Climbable Mesh, Add	*142.06*	
		For Aluminum Coated, Add	*10.54*	
32 31 13 13-0197	SF	>16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	2.97	0.62
		For 1-1/4" Mesh Fabric, Add	*0.46*	
		For 13 Gauge Fabric, Deduct	*-0.74*	
		For 11 Gauge Fabric, Deduct	*-0.41*	
		For 6 Gauge Fabric, Add	*1.32*	
		For 1" Mesh Fabric, Add	*1.24*	
		For 1-1/4" Mesh Fabric, Add	*0.83*	
		For 1-3/4" Mesh Fabric, Add	*0.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.25*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.33*	
		For Aluminum Coated, Add	*0.66*	
32 31 13 13-0198		**Fabric, Aluminized Steel Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0199	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.31	2.64
		For 6 Gauge Fabric, Add	*2.97*	
		For 1" Mesh Fabric, Add	*3.90*	
32 31 13 13-0200	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.58	2.97
		For 6 Gauge Fabric, Add	*3.46*	
		For 1" Mesh Fabric, Add	*4.54*	
32 31 13 13-0201	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.86	3.31
		For 6 Gauge Fabric, Add	*3.95*	
		For 1" Mesh Fabric, Add	*5.19*	
32 31 13 13-0202	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	16.75	3.97
		For 6 Gauge Fabric, Add	*4.94*	
		For 1" Mesh Fabric, Add	*6.48*	
32 31 13 13-0203	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	18.71	4.63
		For 6 Gauge Fabric, Add	*5.90*	
		For 1" Mesh Fabric, Add	*7.75*	
32 31 13 13-0204	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	20.84	5.29
		For 6 Gauge Fabric, Add	*6.90*	
		For 1" Mesh Fabric, Add	*9.06*	
32 31 13 13-0205	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	23.08	6.61
		For 6 Gauge Fabric, Add	*7.89*	
		For 1" Mesh Fabric, Add	*10.35*	
32 31 13 13-0206	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	26.92	7.28
		For 6 Gauge Fabric, Add	*9.86*	
		For 1" Mesh Fabric, Add	*12.94*	
32 31 13 13-0207	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	30.65	7.93
		For 6 Gauge Fabric, Add	*11.82*	
		For 1" Mesh Fabric, Add	*15.52*	
32 31 13 13-0208		**Fabric, All Aluminum Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0209	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	18.31	2.64
		For 6 Gauge Fabric, Add	*7.77*	
		For 1" Mesh Fabric, Add	*10.20*	
32 31 13 13-0210	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	20.59	2.97
		For 6 Gauge Fabric, Add	*9.06*	
		For 1" Mesh Fabric, Add	*11.90*	
32 31 13 13-0211	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	22.87	3.31
		For 6 Gauge Fabric, Add	*10.36*	
		For 1" Mesh Fabric, Add	*13.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0212	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	26.77	3.97
		For 6 Gauge Fabric, Add	*12.95*	
		For 1" Mesh Fabric, Add	*17.00*	
32 31 13 13-0213	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	30.75	4.63
		For 6 Gauge Fabric, Add	*15.54*	
		For 1" Mesh Fabric, Add	*20.39*	
32 31 13 13-0214	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	34.87	5.29
		For 6 Gauge Fabric, Add	*18.13*	
		For 1" Mesh Fabric, Add	*23.79*	
32 31 13 13-0215	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	39.12	6.61
		For 6 Gauge Fabric, Add	*20.72*	
		For 1" Mesh Fabric, Add	*27.20*	
32 31 13 13-0216	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	46.97	7.28
		For 6 Gauge Fabric, Add	*25.90*	
		For 1" Mesh Fabric, Add	*33.99*	
32 31 13 13-0217	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	54.72	7.93
		For 6 Gauge Fabric, Add	*31.08*	
		For 1" Mesh Fabric, Add	*40.79*	

32 31 13 13-0218 Fence Inserts *(32 31 13 13-0173)*

Note: For use with new or existing chain link fence, per lf of fence.

32 31 13 13-0219 Vinyl Plastic Fence Inserts *(32 31 13 13-0218)*

Note: Assorted colors.

32 31 13 13-0220	LF	3' High Fence, Vinyl Plastic Fence Insert	9.86
32 31 13 13-0221	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	11.25
32 31 13 13-0222	LF	4' High Fence, Vinyl Plastic Fence Insert	12.40
32 31 13 13-0223	LF	5' High Fence, Vinyl Plastic Fence Insert	15.55
32 31 13 13-0224	LF	6' High Fence, Vinyl Plastic Fence Insert	18.60
32 31 13 13-0225	LF	7' High Fence, Vinyl Plastic Fence Insert	21.75
32 31 13 13-0226	LF	8' High Fence, Vinyl Plastic Fence Insert	24.81
32 31 13 13-0227	LF	10' High Fence, Vinyl Plastic Fence Insert	30.23

32 31 13 13-0228 Aluminum Fence Inserts *(32 31 13 13-0218)*

Note: Assorted colors.

32 31 13 13-0229	LF	3' High Fence, Aluminum Fence Insert	33.12
32 31 13 13-0230	LF	3-1/2' High Fence, Aluminum Fence Insert	36.33
32 31 13 13-0231	LF	4' High Fence, Aluminum Fence Insert	41.28
32 31 13 13-0232	LF	5' High Fence, Aluminum Fence Insert	51.67
32 31 13 13-0233	LF	6' High Fence, Aluminum Fence Insert	61.99
32 31 13 13-0234	LF	7' High Fence, Aluminum Fence Insert	67.37
32 31 13 13-0235	LF	8' High Fence, Aluminum Fence Insert	82.63
32 31 13 13-0236	LF	10' High Fence, Aluminum Fence Insert	102.85

32 31 13 13-0237 Redwood Fence Inserts *(32 31 13 13-0218)*

32 31 13 13-0238	LF	4' High Fence, Redwood Fence Insert	14.85
32 31 13 13-0239	LF	5' High Fence, Redwood Fence Insert	18.78
32 31 13 13-0240	LF	6' High Fence, Redwood Fence Insert	22.56
32 31 13 13-0241	LF	7' High Fence, Redwood Fence Insert	26.26
32 31 13 13-0242	LF	8' High Fence, Redwood Fence Insert	30.05

32 31 13 13-0243 Diagonal Flexible Polyethylene Inserts *(32 31 13 13-0218)*

32 31 13 13-0244	SF	Diagonal Polyethylene Fence Weave	3.93

32 31 13 13-0245 Hedge Link Fence Inserts *(32 31 13 13-0218)*

32 31 13 13-0246	LF	3' High Fence, Hedge Link Fence Insert	21.16
32 31 13 13-0247	LF	3-1/2' High Fence, Hedge Link Fence Insert	24.10
32 31 13 13-0248	LF	4' High Fence, Hedge Link Fence Insert	28.21
32 31 13 13-0249	LF	5' High Fence, Hedge Link Fence Insert	34.79
32 31 13 13-0250	LF	6' High Fence, Hedge Link Fence Insert	39.76
32 31 13 13-0251	LF	7' High Fence, Hedge Link Fence Insert	50.29
32 31 13 13-0252	LF	8' High Fence, Hedge Link Fence Insert	57.11
32 31 13 13-0253	LF	10' High Fence, Hedge Link Fence Insert	68.29
32 31 13 13-0254	LF	12' High Fence, Hedge Link Fence Insert	78.34

32 31 13 13-0255 Fence Windscreen Fabric *(32 31 13 13-0173)*

Note: Includes plastic wire clips.

32 31 13 13-0256	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.32	0.58
		For Sewn Boxed Vent (Each), Add	*29.02*	
		For Welded Boxed Vent (Each), Add	*14.51*	
		For 4' x 4' One Color Logo (Each), Add	*604.58*	

32 31 13 13-0257 Non-Climbable Fabric, Galvanized Chain Link *(32 31 13 13-0173)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0258	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	34.26	2.64
		For 11 Gauge, Deduct	*-5.13*	
		For 10 Gauge, Deduct	*-2.05*	
		For 7 Gauge, Add	*3.08*	
		For 6 Gauge, Add	*7.18*	
		For 1/2" Mesh Fabric, Deduct	*-1.28*	
		For 5/8" Mesh Fabric, Deduct	*-2.82*	
		For 3/4" Mesh Fabric, Deduct	*-4.11*	
32 31 13 13-0259	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	39.19	2.97
		For 11 Gauge, Deduct	*-5.99*	
		For 10 Gauge, Deduct	*-2.39*	
		For 7 Gauge, Add	*3.59*	
		For 6 Gauge, Add	*8.38*	
		For 1/2" Mesh Fabric, Deduct	*-1.50*	
		For 5/8" Mesh Fabric, Deduct	*-3.29*	
		For 3/4" Mesh Fabric, Deduct	*-4.79*	
32 31 13 13-0260	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	44.16	3.31
		For 11 Gauge, Deduct	*-6.85*	
		For 10 Gauge, Deduct	*-2.74*	
		For 7 Gauge, Add	*4.11*	
		For 6 Gauge, Add	*9.59*	
		For 1/2" Mesh Fabric, Deduct	*-1.71*	
		For 5/8" Mesh Fabric, Deduct	*-3.77*	
		For 3/4" Mesh Fabric, Deduct	*-5.48*	
32 31 13 13-0261	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	53.36	3.97
		For 11 Gauge, Deduct	*-8.56*	
		For 10 Gauge, Deduct	*-3.42*	
		For 7 Gauge, Add	*5.13*	
		For 6 Gauge, Add	*11.98*	
		For 1/2" Mesh Fabric, Deduct	*-2.14*	
		For 5/8" Mesh Fabric, Deduct	*-4.71*	
		For 3/4" Mesh Fabric, Deduct	*-6.84*	
32 31 13 13-0262	LF	6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	62.65	4.63
		For 11 Gauge, Deduct	*-10.26*	
		For 10 Gauge, Deduct	*-4.11*	
		For 7 Gauge, Add	*6.16*	
		For 6 Gauge, Add	*14.37*	
		For 1/2" Mesh Fabric, Deduct	*-2.57*	
		For 5/8" Mesh Fabric, Deduct	*-5.65*	
		For 3/4" Mesh Fabric, Deduct	*-8.21*	
32 31 13 13-0263	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	72.09	5.29
		For 11 Gauge, Deduct	*-11.98*	
		For 10 Gauge, Deduct	*-4.79*	
		For 7 Gauge, Add	*7.19*	
		For 6 Gauge, Add	*16.77*	
		For 1/2" Mesh Fabric, Deduct	*-2.99*	
		For 5/8" Mesh Fabric, Deduct	*-6.59*	
		For 3/4" Mesh Fabric, Deduct	*-9.58*	
32 31 13 13-0264	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	81.66	6.61
		For 11 Gauge, Deduct	*-13.69*	
		For 10 Gauge, Deduct	*-5.48*	
		For 7 Gauge, Add	*8.21*	
		For 6 Gauge, Add	*19.16*	
		For 1/2" Mesh Fabric, Deduct	*-3.42*	
		For 5/8" Mesh Fabric, Deduct	*-7.53*	
		For 3/4" Mesh Fabric, Deduct	*-10.95*	
32 31 13 13-0265	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	90.07	6.94
		For 11 Gauge, Deduct	*-15.24*	
		For 10 Gauge, Deduct	*-6.09*	
		For 7 Gauge, Add	*9.14*	
		For 6 Gauge, Add	*21.33*	
		For 1/2" Mesh Fabric, Deduct	*-3.81*	
		For 5/8" Mesh Fabric, Deduct	*-8.38*	
		For 3/4" Mesh Fabric, Deduct	*-12.19*	
32 31 13 13-0266	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	98.52	7.28
		For 11 Gauge, Deduct	*-16.78*	
		For 10 Gauge, Deduct	*-6.71*	
		For 7 Gauge, Add	*10.07*	
		For 6 Gauge, Add	*23.50*	
		For 1/2" Mesh Fabric, Deduct	*-4.20*	
		For 5/8" Mesh Fabric, Deduct	*-9.23*	
		For 3/4" Mesh Fabric, Deduct	*-13.43*	
32 31 13 13-0267	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	106.85	7.93
		For 11 Gauge, Deduct	*-18.20*	
		For 10 Gauge, Deduct	*-7.28*	
		For 7 Gauge, Add	*10.92*	
		For 6 Gauge, Add	*25.47*	
		For 1/2" Mesh Fabric, Deduct	*-4.55*	
		For 5/8" Mesh Fabric, Deduct	*-10.01*	
		For 3/4" Mesh Fabric, Deduct	*-14.56*	

32 31 13 13-0268 **Gates** *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 78 00 00-0001 for padlocks, 08 78 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0269		**Galvanized Steel Without Barbed Wire** *(32 31 13 13-0268)* Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0270		**4' Fence Height** *(32 31 13 13-0269)*		
32 31 13 13-0271	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	393.04	24.84
		For Gate With Single Barb Wire Arm, Add	*34.70*	
		For Gate With Double Barb Wire Arm, Add	*50.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.14*	
		For Aluminized Steel Gate And Post, Add	*151.40*	
		For Powder Coated Gate And Post, Add	*82.01*	
		For 1" Mesh Fabric, Add	*137.21*	
		For 1-1/4" Mesh Fabric, Add	*88.32*	
		For 1-3/4" Mesh Fabric, Add	*54.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.44*	
32 31 13 13-0272	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	498.18	25.88
		For Gate With Single Barb Wire Arm, Add	*46.26*	
		For Gate With Double Barb Wire Arm, Add	*67.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.86*	
		For Aluminized Steel Gate And Post, Add	*201.87*	
		For Powder Coated Gate And Post, Add	*109.35*	
		For 1" Mesh Fabric, Add	*182.94*	
		For 1-1/4" Mesh Fabric, Add	*117.76*	
		For 1-3/4" Mesh Fabric, Add	*73.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.59*	
32 31 13 13-0273	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	590.56	27.53
		For Gate With Single Barb Wire Arm, Add	*55.85*	
		For Gate With Double Barb Wire Arm, Add	*81.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.20*	
		For Aluminized Steel Gate And Post, Add	*243.72*	
		For Powder Coated Gate And Post, Add	*132.02*	
		For 1" Mesh Fabric, Add	*220.87*	
		For 1-1/4" Mesh Fabric, Add	*142.17*	
		For 1-3/4" Mesh Fabric, Add	*88.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.17*	
32 31 13 13-0274	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	694.31	33.12
		For Gate With Single Barb Wire Arm, Add	*65.44*	
		For Gate With Double Barb Wire Arm, Add	*95.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.55*	
		For Aluminized Steel Gate And Post, Add	*285.57*	
		For Powder Coated Gate And Post, Add	*154.68*	
		For 1" Mesh Fabric, Add	*258.80*	
		For 1-1/4" Mesh Fabric, Add	*166.58*	
		For 1-3/4" Mesh Fabric, Add	*103.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-51.76*	
32 31 13 13-0275	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	798.06	38.61
		For Gate With Single Barb Wire Arm, Add	*75.03*	
		For Gate With Double Barb Wire Arm, Add	*109.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-127.90*	
		For Aluminized Steel Gate And Post, Add	*327.42*	
		For Powder Coated Gate And Post, Add	*177.35*	
		For 1" Mesh Fabric, Add	*296.73*	
		For 1-1/4" Mesh Fabric, Add	*191.00*	
		For 1-3/4" Mesh Fabric, Add	*118.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.35*	
32 31 13 13-0276	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	905.40	44.09
		For Gate With Single Barb Wire Arm, Add	*85.02*	
		For Gate With Double Barb Wire Arm, Add	*123.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-144.92*	
		For Aluminized Steel Gate And Post, Add	*371.00*	
		For Powder Coated Gate And Post, Add	*200.96*	
		For 1" Mesh Fabric, Add	*336.22*	
		For 1-1/4" Mesh Fabric, Add	*216.41*	
		For 1-3/4" Mesh Fabric, Add	*134.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.24*	
32 31 13 13-0277	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,009.13	49.68
		For Gate With Single Barb Wire Arm, Add	*94.61*	
		For Gate With Double Barb Wire Arm, Add	*137.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.27*	
		For Aluminized Steel Gate And Post, Add	*412.85*	
		For Powder Coated Gate And Post, Add	*223.63*	
		For 1" Mesh Fabric, Add	*374.14*	
		For 1-1/4" Mesh Fabric, Add	*240.83*	
		For 1-3/4" Mesh Fabric, Add	*149.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.83*	
32 31 13 13-0278	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,114.42	55.17
		For Gate With Single Barb Wire Arm, Add	*104.37*	
		For Gate With Double Barb Wire Arm, Add	*151.81*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.91*	
		For Aluminized Steel Gate And Post, Add	*455.44*	
		For Powder Coated Gate And Post, Add	*246.70*	
		For 1" Mesh Fabric, Add	*412.74*	
		For 1-1/4" Mesh Fabric, Add	*265.67*	
		For 1-3/4" Mesh Fabric, Add	*165.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-82.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0279	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,427.28	55.17
		For Gate With Single Barb Wire Arm, Add	*138.78*	
		For Gate With Double Barb Wire Arm, Add	*201.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-236.57*	
		For Aluminized Steel Gate And Post, Add	*605.61*	
		For Powder Coated Gate And Post, Add	*328.04*	
		For 1" Mesh Fabric, Add	*548.83*	
		For 1-1/4" Mesh Fabric, Add	*353.27*	
		For 1-3/4" Mesh Fabric, Add	*219.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-109.77*	
32 31 13 13-0280	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,691.45	59.10
		For Gate With Single Barb Wire Arm, Add	*166.54*	
		For Gate With Double Barb Wire Arm, Add	*242.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-283.88*	
		For Aluminized Steel Gate And Post, Add	*726.73*	
		For Powder Coated Gate And Post, Add	*393.65*	
		For 1" Mesh Fabric, Add	*658.60*	
		For 1-1/4" Mesh Fabric, Add	*423.93*	
		For 1-3/4" Mesh Fabric, Add	*263.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-131.72*	
32 31 13 13-0281	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,957.45	63.66
		For Gate With Single Barb Wire Arm, Add	*194.30*	
		For Gate With Double Barb Wire Arm, Add	*282.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-331.19*	
		For Aluminized Steel Gate And Post, Add	*847.85*	
		For Powder Coated Gate And Post, Add	*459.25*	
		For 1" Mesh Fabric, Add	*768.37*	
		For 1-1/4" Mesh Fabric, Add	*494.58*	
		For 1-3/4" Mesh Fabric, Add	*307.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-153.67*	
32 31 13 13-0282	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,225.70	68.93
		For Gate With Single Barb Wire Arm, Add	*222.06*	
		For Gate With Double Barb Wire Arm, Add	*322.99*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-378.51*	
		For Aluminized Steel Gate And Post, Add	*968.98*	
		For Powder Coated Gate And Post, Add	*524.86*	
		For 1" Mesh Fabric, Add	*878.13*	
		For 1-1/4" Mesh Fabric, Add	*565.24*	
		For 1-3/4" Mesh Fabric, Add	*351.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-175.63*	
32 31 13 13-0283	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,533.85	87.48
		For Gate With Single Barb Wire Arm, Add	*249.81*	
		For Gate With Double Barb Wire Arm, Add	*363.36*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-425.82*	
		For Aluminized Steel Gate And Post, Add	*1,090.09*	
		For Powder Coated Gate And Post, Add	*590.47*	
		For 1" Mesh Fabric, Add	*987.90*	
		For 1-1/4" Mesh Fabric, Add	*635.89*	
		For 1-3/4" Mesh Fabric, Add	*395.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-197.58*	
32 31 13 13-0284	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,804.97	93.75
		For Gate With Single Barb Wire Arm, Add	*277.57*	
		For Gate With Double Barb Wire Arm, Add	*403.74*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-473.13*	
		For Aluminized Steel Gate And Post, Add	*1,211.22*	
		For Powder Coated Gate And Post, Add	*656.08*	
		For 1" Mesh Fabric, Add	*1,097.67*	
		For 1-1/4" Mesh Fabric, Add	*706.54*	
		For 1-3/4" Mesh Fabric, Add	*439.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-219.53*	
32 31 13 13-0285	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,072.81	101.02
		For Gate With Single Barb Wire Arm, Add	*304.65*	
		For Gate With Double Barb Wire Arm, Add	*443.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-519.29*	
		For Aluminized Steel Gate And Post, Add	*1,329.38*	
		For Powder Coated Gate And Post, Add	*720.08*	
		For 1" Mesh Fabric, Add	*1,204.75*	
		For 1-1/4" Mesh Fabric, Add	*775.47*	
		For 1-3/4" Mesh Fabric, Add	*481.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-240.95*	
32 31 13 13-0286	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,344.27	109.40
		For Gate With Single Barb Wire Arm, Add	*331.73*	
		For Gate With Double Barb Wire Arm, Add	*482.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-565.45*	
		For Aluminized Steel Gate And Post, Add	*1,447.55*	
		For Powder Coated Gate And Post, Add	*784.09*	
		For 1" Mesh Fabric, Add	*1,311.84*	
		For 1-1/4" Mesh Fabric, Add	*844.40*	
		For 1-3/4" Mesh Fabric, Add	*524.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.37*	
32 31 13 13-0287	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,620.32	119.38
		For Gate With Single Barb Wire Arm, Add	*358.81*	
		For Gate With Double Barb Wire Arm, Add	*521.91*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-611.61*	
		For Aluminized Steel Gate And Post, Add	*1,565.72*	
		For Powder Coated Gate And Post, Add	*848.10*	
		For 1" Mesh Fabric, Add	*1,418.94*	
		For 1-1/4" Mesh Fabric, Add	*913.34*	
		For 1-3/4" Mesh Fabric, Add	*567.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-283.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0288	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,810.02	131.33
		For Gate With Single Barb Wire Arm, Add	*375.74*	
		For Gate With Double Barb Wire Arm, Add	*546.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-640.46*	
		For Aluminized Steel Gate And Post, Add	*1,639.57*	
		For Powder Coated Gate And Post, Add	*888.10*	
		For 1" Mesh Fabric, Add	*1,485.86*	
		For 1-1/4" Mesh Fabric, Add	*956.42*	
		For 1-3/4" Mesh Fabric, Add	*594.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-297.17*	
32 31 13 13-0289	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	4,223.10	145.87
		For Gate With Single Barb Wire Arm, Add	*416.36*	
		For Gate With Double Barb Wire Arm, Add	*605.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-709.70*	
		For Aluminized Steel Gate And Post, Add	*1,816.82*	
		For Powder Coated Gate And Post, Add	*984.11*	
		For 1" Mesh Fabric, Add	*1,646.50*	
		For 1-1/4" Mesh Fabric, Add	*1,059.81*	
		For 1-3/4" Mesh Fabric, Add	*658.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-329.30*	

32 31 13 13-0290 5' Fence Height *(32 31 13 13-0269)*

32 31 13 13-0291	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	472.60	27.53
		For Gate With Single Barb Wire Arm, Add	*42.88*	
		For Gate With Double Barb Wire Arm, Add	*62.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-73.09*	
		For Aluminized Steel Gate And Post, Add	*187.10*	
		For Powder Coated Gate And Post, Add	*101.35*	
		For 1" Mesh Fabric, Add	*169.56*	
		For 1-1/4" Mesh Fabric, Add	*109.14*	
		For 1-3/4" Mesh Fabric, Add	*67.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.91*	
32 31 13 13-0292	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	600.82	27.53
		For Gate With Single Barb Wire Arm, Add	*56.98*	
		For Gate With Double Barb Wire Arm, Add	*82.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.13*	
		For Aluminized Steel Gate And Post, Add	*248.64*	
		For Powder Coated Gate And Post, Add	*134.68*	
		For 1" Mesh Fabric, Add	*225.33*	
		For 1-1/4" Mesh Fabric, Add	*145.04*	
		For 1-3/4" Mesh Fabric, Add	*90.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.07*	
32 31 13 13-0293	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	703.45	29.29
		For Gate With Single Barb Wire Arm, Add	*67.70*	
		For Gate With Double Barb Wire Arm, Add	*98.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.40*	
		For Aluminized Steel Gate And Post, Add	*295.42*	
		For Powder Coated Gate And Post, Add	*160.02*	
		For 1" Mesh Fabric, Add	*267.73*	
		For 1-1/4" Mesh Fabric, Add	*172.33*	
		For 1-3/4" Mesh Fabric, Add	*107.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.55*	
32 31 13 13-0294	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	823.61	35.19
		For Gate With Single Barb Wire Arm, Add	*78.98*	
		For Gate With Double Barb Wire Arm, Add	*114.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-134.63*	
		For Aluminized Steel Gate And Post, Add	*344.65*	
		For Powder Coated Gate And Post, Add	*186.69*	
		For 1" Mesh Fabric, Add	*312.34*	
		For 1-1/4" Mesh Fabric, Add	*201.05*	
		For 1-3/4" Mesh Fabric, Add	*124.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.47*	
32 31 13 13-0295	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	933.52	40.99
		For Gate With Single Barb Wire Arm, Add	*89.14*	
		For Gate With Double Barb Wire Arm, Add	*129.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-151.94*	
		For Aluminized Steel Gate And Post, Add	*388.97*	
		For Powder Coated Gate And Post, Add	*210.69*	
		For 1" Mesh Fabric, Add	*352.50*	
		For 1-1/4" Mesh Fabric, Add	*226.90*	
		For 1-3/4" Mesh Fabric, Add	*141.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.50*	
32 31 13 13-0296	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,054.74	47.20
		For Gate With Single Barb Wire Arm, Add	*100.42*	
		For Gate With Double Barb Wire Arm, Add	*146.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-171.17*	
		For Aluminized Steel Gate And Post, Add	*438.21*	
		For Powder Coated Gate And Post, Add	*237.36*	
		For 1" Mesh Fabric, Add	*397.12*	
		For 1-1/4" Mesh Fabric, Add	*255.62*	
		For 1-3/4" Mesh Fabric, Add	*158.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-79.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0297	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,169.76	53.09
		For Gate With Single Barb Wire Arm, Add	*111.14*	
		For Gate With Double Barb Wire Arm, Add	*161.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.44*	
		For Aluminized Steel Gate And Post, Add	*484.98*	
		For Powder Coated Gate And Post, Add	*262.70*	
		For 1" Mesh Fabric, Add	*439.51*	
		For 1-1/4" Mesh Fabric, Add	*282.90*	
		For 1-3/4" Mesh Fabric, Add	*175.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-87.90*	
32 31 13 13-0298	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,284.81	58.89
		For Gate With Single Barb Wire Arm, Add	*121.86*	
		For Gate With Double Barb Wire Arm, Add	*177.25*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-207.72*	
		For Aluminized Steel Gate And Post, Add	*531.75*	
		For Powder Coated Gate And Post, Add	*288.03*	
		For 1" Mesh Fabric, Add	*481.90*	
		For 1-1/4" Mesh Fabric, Add	*310.19*	
		For 1-3/4" Mesh Fabric, Add	*192.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.38*	
32 31 13 13-0299	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,740.69	59.10
		For Gate With Single Barb Wire Arm, Add	*171.96*	
		For Gate With Double Barb Wire Arm, Add	*250.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-293.11*	
		For Aluminized Steel Gate And Post, Add	*750.36*	
		For Powder Coated Gate And Post, Add	*406.45*	
		For 1" Mesh Fabric, Add	*680.02*	
		For 1-1/4" Mesh Fabric, Add	*437.71*	
		For 1-3/4" Mesh Fabric, Add	*272.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-136.00*	
32 31 13 13-0300	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,068.23	63.66
		For Gate With Single Barb Wire Arm, Add	*206.49*	
		For Gate With Double Barb Wire Arm, Add	*300.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-351.96*	
		For Aluminized Steel Gate And Post, Add	*901.03*	
		For Powder Coated Gate And Post, Add	*488.06*	
		For 1" Mesh Fabric, Add	*816.56*	
		For 1-1/4" Mesh Fabric, Add	*525.60*	
		For 1-3/4" Mesh Fabric, Add	*326.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-163.31*	
32 31 13 13-0301	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,398.02	68.93
		For Gate With Single Barb Wire Arm, Add	*241.01*	
		For Gate With Double Barb Wire Arm, Add	*350.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-410.82*	
		For Aluminized Steel Gate And Post, Add	*1,051.69*	
		For Powder Coated Gate And Post, Add	*569.67*	
		For 1" Mesh Fabric, Add	*953.09*	
		For 1-1/4" Mesh Fabric, Add	*613.49*	
		For 1-3/4" Mesh Fabric, Add	*381.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-190.62*	
32 31 13 13-0302	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,767.73	87.48
		For Gate With Single Barb Wire Arm, Add	*275.54*	
		For Gate With Double Barb Wire Arm, Add	*400.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-469.67*	
		For Aluminized Steel Gate And Post, Add	*1,202.36*	
		For Powder Coated Gate And Post, Add	*651.28*	
		For 1" Mesh Fabric, Add	*1,089.64*	
		For 1-1/4" Mesh Fabric, Add	*701.37*	
		For 1-3/4" Mesh Fabric, Add	*435.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-217.93*	
32 31 13 13-0303	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,094.23	93.75
		For Gate With Single Barb Wire Arm, Add	*309.39*	
		For Gate With Double Barb Wire Arm, Add	*450.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-527.37*	
		For Aluminized Steel Gate And Post, Add	*1,350.06*	
		For Powder Coated Gate And Post, Add	*731.28*	
		For 1" Mesh Fabric, Add	*1,223.49*	
		For 1-1/4" Mesh Fabric, Add	*787.54*	
		For 1-3/4" Mesh Fabric, Add	*489.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-244.70*	
32 31 13 13-0304	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,435.93	101.02
		For Gate With Single Barb Wire Arm, Add	*344.59*	
		For Gate With Double Barb Wire Arm, Add	*501.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-587.38*	
		For Aluminized Steel Gate And Post, Add	*1,503.68*	
		For Powder Coated Gate And Post, Add	*814.49*	
		For 1" Mesh Fabric, Add	*1,362.71*	
		For 1-1/4" Mesh Fabric, Add	*877.15*	
		For 1-3/4" Mesh Fabric, Add	*545.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-272.54*	
32 31 13 13-0305	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,775.09	109.40
		For Gate With Single Barb Wire Arm, Add	*379.12*	
		For Gate With Double Barb Wire Arm, Add	*551.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-646.23*	
		For Aluminized Steel Gate And Post, Add	*1,654.34*	
		For Powder Coated Gate And Post, Add	*896.10*	
		For 1" Mesh Fabric, Add	*1,499.25*	
		For 1-1/4" Mesh Fabric, Add	*965.03*	
		For 1-3/4" Mesh Fabric, Add	*599.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0306	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,112.68	119.38
		For Gate With Single Barb Wire Arm, Add	*412.97*	
		For Gate With Double Barb Wire Arm, Add	*600.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-703.93*	
		For Aluminized Steel Gate And Post, Add	*1,802.05*	
		For Powder Coated Gate And Post, Add	*976.11*	
		For 1" Mesh Fabric, Add	*1,633.11*	
		For 1-1/4" Mesh Fabric, Add	*1,051.20*	
		For 1-3/4" Mesh Fabric, Add	*653.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-326.62*	
32 31 13 13-0307	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,468.56	131.33
		For Gate With Single Barb Wire Arm, Add	*448.18*	
		For Gate With Double Barb Wire Arm, Add	*651.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-763.94*	
		For Aluminized Steel Gate And Post, Add	*1,955.67*	
		For Powder Coated Gate And Post, Add	*1,059.32*	
		For 1" Mesh Fabric, Add	*1,772.33*	
		For 1-1/4" Mesh Fabric, Add	*1,140.81*	
		For 1-3/4" Mesh Fabric, Add	*708.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-354.47*	
32 31 13 13-0308	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,822.37	145.87
		For Gate With Single Barb Wire Arm, Add	*482.28*	
		For Gate With Double Barb Wire Arm, Add	*701.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-822.06*	
		For Aluminized Steel Gate And Post, Add	*2,104.47*	
		For Powder Coated Gate And Post, Add	*1,139.92*	
		For 1" Mesh Fabric, Add	*1,907.18*	
		For 1-1/4" Mesh Fabric, Add	*1,227.61*	
		For 1-3/4" Mesh Fabric, Add	*762.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-381.44*	
32 31 13 13-0309	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	5,182.57	164.10
		For Gate With Single Barb Wire Arm, Add	*515.87*	
		For Gate With Double Barb Wire Arm, Add	*750.36*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-879.33*	
		For Aluminized Steel Gate And Post, Add	*2,251.09*	
		For Powder Coated Gate And Post, Add	*1,219.34*	
		For 1" Mesh Fabric, Add	*2,040.05*	
		For 1-1/4" Mesh Fabric, Add	*1,313.14*	
		For 1-3/4" Mesh Fabric, Add	*816.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-408.01*	

32 31 13 13-0310 6' Fence Height *(32 31 13 13-0269)*

32 31 13 13-0311	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	506.72	29.50
		For Gate With Single Barb Wire Arm, Add	*45.98*	
		For Gate With Double Barb Wire Arm, Add	*66.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.38*	
		For Aluminized Steel Gate And Post, Add	*200.64*	
		For Powder Coated Gate And Post, Add	*108.68*	
		For 1" Mesh Fabric, Add	*181.83*	
		For 1-1/4" Mesh Fabric, Add	*117.04*	
		For 1-3/4" Mesh Fabric, Add	*72.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.37*	
32 31 13 13-0312	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	645.19	29.50
		For Gate With Single Barb Wire Arm, Add	*61.21*	
		For Gate With Double Barb Wire Arm, Add	*89.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-104.34*	
		For Aluminized Steel Gate And Post, Add	*267.11*	
		For Powder Coated Gate And Post, Add	*144.68*	
		For 1" Mesh Fabric, Add	*242.06*	
		For 1-1/4" Mesh Fabric, Add	*155.81*	
		For 1-3/4" Mesh Fabric, Add	*96.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.41*	
32 31 13 13-0313	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	756.57	31.36
		For Gate With Single Barb Wire Arm, Add	*72.86*	
		For Gate With Double Barb Wire Arm, Add	*105.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.20*	
		For Aluminized Steel Gate And Post, Add	*317.94*	
		For Powder Coated Gate And Post, Add	*172.22*	
		For 1" Mesh Fabric, Add	*288.14*	
		For 1-1/4" Mesh Fabric, Add	*185.47*	
		For 1-3/4" Mesh Fabric, Add	*115.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.63*	
32 31 13 13-0314	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	878.04	37.88
		For Gate With Single Barb Wire Arm, Add	*84.06*	
		For Gate With Double Barb Wire Arm, Add	*122.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.29*	
		For Aluminized Steel Gate And Post, Add	*366.81*	
		For Powder Coated Gate And Post, Add	*198.69*	
		For 1" Mesh Fabric, Add	*332.42*	
		For 1-1/4" Mesh Fabric, Add	*213.97*	
		For 1-3/4" Mesh Fabric, Add	*132.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0315	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,005.41	44.51
		For Gate With Single Barb Wire Arm, Add	*95.91*	
		For Gate With Double Barb Wire Arm, Add	*139.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-163.48*	
		For Aluminized Steel Gate And Post, Add	*418.51*	
		For Powder Coated Gate And Post, Add	*226.69*	
		For 1" Mesh Fabric, Add	*379.28*	
		For 1-1/4" Mesh Fabric, Add	*244.13*	
		For 1-3/4" Mesh Fabric, Add	*151.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.86*	
32 31 13 13-0316	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,126.61	50.71
		For Gate With Single Barb Wire Arm, Add	*107.19*	
		For Gate With Double Barb Wire Arm, Add	*155.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-182.71*	
		For Aluminized Steel Gate And Post, Add	*467.75*	
		For Powder Coated Gate And Post, Add	*253.36*	
		For 1" Mesh Fabric, Add	*423.89*	
		For 1-1/4" Mesh Fabric, Add	*272.85*	
		For 1-3/4" Mesh Fabric, Add	*169.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.78*	
32 31 13 13-0317	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,248.87	57.24
		For Gate With Single Barb Wire Arm, Add	*118.48*	
		For Gate With Double Barb Wire Arm, Add	*172.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-201.95*	
		For Aluminized Steel Gate And Post, Add	*516.98*	
		For Powder Coated Gate And Post, Add	*280.03*	
		For 1" Mesh Fabric, Add	*468.52*	
		For 1-1/4" Mesh Fabric, Add	*301.57*	
		For 1-3/4" Mesh Fabric, Add	*187.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-93.70*	
32 31 13 13-0318	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,324.93	63.76
		For Gate With Single Barb Wire Arm, Add	*124.68*	
		For Gate With Double Barb Wire Arm, Add	*181.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-212.52*	
		For Aluminized Steel Gate And Post, Add	*544.06*	
		For Powder Coated Gate And Post, Add	*294.70*	
		For 1" Mesh Fabric, Add	*493.06*	
		For 1-1/4" Mesh Fabric, Add	*317.37*	
		For 1-3/4" Mesh Fabric, Add	*197.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-98.61*	
32 31 13 13-0319	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,858.98	63.66
		For Gate With Single Barb Wire Arm, Add	*183.47*	
		For Gate With Double Barb Wire Arm, Add	*266.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-312.73*	
		For Aluminized Steel Gate And Post, Add	*800.59*	
		For Powder Coated Gate And Post, Add	*433.65*	
		For 1" Mesh Fabric, Add	*725.53*	
		For 1-1/4" Mesh Fabric, Add	*467.01*	
		For 1-3/4" Mesh Fabric, Add	*290.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-145.11*	
32 31 13 13-0320	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,207.23	68.93
		For Gate With Single Barb Wire Arm, Add	*220.03*	
		For Gate With Double Barb Wire Arm, Add	*320.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-375.04*	
		For Aluminized Steel Gate And Post, Add	*960.11*	
		For Powder Coated Gate And Post, Add	*520.06*	
		For 1" Mesh Fabric, Add	*870.10*	
		For 1-1/4" Mesh Fabric, Add	*560.06*	
		For 1-3/4" Mesh Fabric, Add	*348.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-174.02*	
32 31 13 13-0321	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,620.33	93.75
		For Gate With Single Barb Wire Arm, Add	*257.26*	
		For Gate With Double Barb Wire Arm, Add	*374.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-438.51*	
		For Aluminized Steel Gate And Post, Add	*1,122.59*	
		For Powder Coated Gate And Post, Add	*608.07*	
		For 1" Mesh Fabric, Add	*1,017.35*	
		For 1-1/4" Mesh Fabric, Add	*654.84*	
		For 1-3/4" Mesh Fabric, Add	*406.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-203.47*	
32 31 13 13-0322	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,974.34	101.02
		For Gate With Single Barb Wire Arm, Add	*293.82*	
		For Gate With Double Barb Wire Arm, Add	*427.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-500.83*	
		For Aluminized Steel Gate And Post, Add	*1,282.12*	
		For Powder Coated Gate And Post, Add	*694.48*	
		For 1" Mesh Fabric, Add	*1,161.92*	
		For 1-1/4" Mesh Fabric, Add	*747.90*	
		For 1-3/4" Mesh Fabric, Add	*464.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.38*	
32 31 13 13-0323	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,338.12	109.40
		For Gate With Single Barb Wire Arm, Add	*331.05*	
		For Gate With Double Barb Wire Arm, Add	*481.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-564.30*	
		For Aluminized Steel Gate And Post, Add	*1,444.60*	
		For Powder Coated Gate And Post, Add	*782.49*	
		For 1" Mesh Fabric, Add	*1,309.17*	
		For 1-1/4" Mesh Fabric, Add	*842.68*	
		For 1-3/4" Mesh Fabric, Add	*523.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-261.83*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0324		EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,706.48	119.38
			For Gate With Single Barb Wire Arm, Add	*368.29*	
			For Gate With Double Barb Wire Arm, Add	*535.69*	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-627.77*	
			For Aluminized Steel Gate And Post, Add	*1,607.08*	
			For Powder Coated Gate And Post, Add	*870.50*	
			For 1" Mesh Fabric, Add	*1,456.41*	
			For 1-1/4" Mesh Fabric, Add	*937.46*	
			For 1-3/4" Mesh Fabric, Add	*582.57*	
			For 2-1/8" Mesh Fabric, Deduct	*-291.28*	
32 31 13 13-0325		EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,074.67	131.33
			For Gate With Single Barb Wire Arm, Add	*404.85*	
			For Gate With Double Barb Wire Arm, Add	*588.87*	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-690.08*	
			For Aluminized Steel Gate And Post, Add	*1,766.61*	
			For Powder Coated Gate And Post, Add	*956.91*	
			For 1" Mesh Fabric, Add	*1,600.99*	
			For 1-1/4" Mesh Fabric, Add	*1,030.52*	
			For 1-3/4" Mesh Fabric, Add	*640.39*	
			For 2-1/8" Mesh Fabric, Deduct	*-320.20*	
32 31 13 13-0326		EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,453.90	145.87
			For Gate With Single Barb Wire Arm, Add	*441.74*	
			For Gate With Double Barb Wire Arm, Add	*642.54*	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-752.97*	
			For Aluminized Steel Gate And Post, Add	*1,927.61*	
			For Powder Coated Gate And Post, Add	*1,044.12*	
			For 1" Mesh Fabric, Add	*1,746.89*	
			For 1-1/4" Mesh Fabric, Add	*1,124.44*	
			For 1-3/4" Mesh Fabric, Add	*698.76*	
			For 2-1/8" Mesh Fabric, Deduct	*-349.38*	
32 31 13 13-0327		EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,840.38	164.10
			For Gate With Single Barb Wire Arm, Add	*478.23*	
			For Gate With Double Barb Wire Arm, Add	*695.61*	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-815.17*	
			For Aluminized Steel Gate And Post, Add	*2,086.84*	
			For Powder Coated Gate And Post, Add	*1,130.37*	
			For 1" Mesh Fabric, Add	*1,891.20*	
			For 1-1/4" Mesh Fabric, Add	*1,217.32*	
			For 1-3/4" Mesh Fabric, Add	*756.48*	
			For 2-1/8" Mesh Fabric, Deduct	*-378.24*	
32 31 13 13-0328		EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,246.82	187.51
			For Gate With Single Barb Wire Arm, Add	*515.20*	
			For Gate With Double Barb Wire Arm, Add	*749.38*	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-878.18*	
			For Aluminized Steel Gate And Post, Add	*2,248.14*	
			For Powder Coated Gate And Post, Add	*1,217.74*	
			For 1" Mesh Fabric, Add	*2,037.37*	
			For 1-1/4" Mesh Fabric, Add	*1,311.41*	
			For 1-3/4" Mesh Fabric, Add	*814.95*	
			For 2-1/8" Mesh Fabric, Deduct	*-407.47*	
32 31 13 13-0329		EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,677.34	218.81
			For Gate With Single Barb Wire Arm, Add	*552.23*	
			For Gate With Double Barb Wire Arm, Add	*803.24*	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-941.30*	
			For Aluminized Steel Gate And Post, Add	*2,409.73*	
			For Powder Coated Gate And Post, Add	*1,305.27*	
			For 1" Mesh Fabric, Add	*2,183.82*	
			For 1-1/4" Mesh Fabric, Add	*1,405.68*	
			For 1-3/4" Mesh Fabric, Add	*873.53*	
			For 2-1/8" Mesh Fabric, Deduct	*-436.76*	

32 31 13 13-0330 7' Fence Height *(32 31 13 13-0269)*

32 31 13 13-0331		EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	531.49	31.78
			For Gate With Single Barb Wire Arm, Add	*47.95*	
			For Gate With Double Barb Wire Arm, Add	*69.75*	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.74*	
			For Aluminized Steel Gate And Post, Add	*209.26*	
			For Powder Coated Gate And Post, Add	*113.35*	
			For 1" Mesh Fabric, Add	*189.64*	
			For 1-1/4" Mesh Fabric, Add	*122.07*	
			For 1-3/4" Mesh Fabric, Add	*75.86*	
			For 2-1/8" Mesh Fabric, Deduct	*-37.93*	
32 31 13 13-0332		EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	675.09	31.78
			For Gate With Single Barb Wire Arm, Add	*63.75*	
			For Gate With Double Barb Wire Arm, Add	*92.73*	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-108.67*	
			For Aluminized Steel Gate And Post, Add	*278.18*	
			For Powder Coated Gate And Post, Add	*150.68*	
			For 1" Mesh Fabric, Add	*252.10*	
			For 1-1/4" Mesh Fabric, Add	*162.27*	
			For 1-3/4" Mesh Fabric, Add	*100.84*	
			For 2-1/8" Mesh Fabric, Deduct	*-50.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0333	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	796.27	33.43
		For Gate With Single Barb Wire Arm, Add	*76.55*	
		For Gate With Double Barb Wire Arm, Add	*111.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.48*	
		For Aluminized Steel Gate And Post, Add	*334.02*	
		For Powder Coated Gate And Post, Add	*180.93*	
		For 1" Mesh Fabric, Add	*302.71*	
		For 1-1/4" Mesh Fabric, Add	*194.85*	
		For 1-3/4" Mesh Fabric, Add	*121.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.54*	
32 31 13 13-0334	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	975.97	40.67
		For Gate With Single Barb Wire Arm, Add	*93.92*	
		For Gate With Double Barb Wire Arm, Add	*136.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-160.10*	
		For Aluminized Steel Gate And Post, Add	*409.84*	
		For Powder Coated Gate And Post, Add	*222.00*	
		For 1" Mesh Fabric, Add	*371.42*	
		For 1-1/4" Mesh Fabric, Add	*239.08*	
		For 1-3/4" Mesh Fabric, Add	*148.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.28*	
32 31 13 13-0335	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,154.69	47.61
		For Gate With Single Barb Wire Arm, Add	*111.30*	
		For Gate With Double Barb Wire Arm, Add	*161.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.72*	
		For Aluminized Steel Gate And Post, Add	*485.69*	
		For Powder Coated Gate And Post, Add	*263.08*	
		For 1" Mesh Fabric, Add	*440.16*	
		For 1-1/4" Mesh Fabric, Add	*283.32*	
		For 1-3/4" Mesh Fabric, Add	*176.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.03*	
32 31 13 13-0336	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,334.40	54.75
		For Gate With Single Barb Wire Arm, Add	*128.68*	
		For Gate With Double Barb Wire Arm, Add	*187.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-219.34*	
		For Aluminized Steel Gate And Post, Add	*561.52*	
		For Powder Coated Gate And Post, Add	*304.16*	
		For 1" Mesh Fabric, Add	*508.88*	
		For 1-1/4" Mesh Fabric, Add	*327.55*	
		For 1-3/4" Mesh Fabric, Add	*203.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-101.78*	
32 31 13 13-0337	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,513.11	61.68
		For Gate With Single Barb Wire Arm, Add	*146.06*	
		For Gate With Double Barb Wire Arm, Add	*212.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.97*	
		For Aluminized Steel Gate And Post, Add	*637.37*	
		For Powder Coated Gate And Post, Add	*345.24*	
		For 1" Mesh Fabric, Add	*577.61*	
		For 1-1/4" Mesh Fabric, Add	*371.80*	
		For 1-3/4" Mesh Fabric, Add	*231.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.52*	
32 31 13 13-0338	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,664.35	68.93
		For Gate With Single Barb Wire Arm, Add	*160.31*	
		For Gate With Double Barb Wire Arm, Add	*233.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-273.25*	
		For Aluminized Steel Gate And Post, Add	*699.53*	
		For Powder Coated Gate And Post, Add	*378.91*	
		For 1" Mesh Fabric, Add	*633.95*	
		For 1-1/4" Mesh Fabric, Add	*408.06*	
		For 1-3/4" Mesh Fabric, Add	*253.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-126.79*	
32 31 13 13-0339	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,119.95	68.93
		For Gate With Single Barb Wire Arm, Add	*210.42*	
		For Gate With Double Barb Wire Arm, Add	*306.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-358.68*	
		For Aluminized Steel Gate And Post, Add	*918.22*	
		For Powder Coated Gate And Post, Add	*497.37*	
		For 1" Mesh Fabric, Add	*832.13*	
		For 1-1/4" Mesh Fabric, Add	*535.63*	
		For 1-3/4" Mesh Fabric, Add	*332.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-166.43*	
32 31 13 13-0340	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,408.65	93.75
		For Gate With Single Barb Wire Arm, Add	*233.98*	
		For Gate With Double Barb Wire Arm, Add	*340.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-398.82*	
		For Aluminized Steel Gate And Post, Add	*1,020.98*	
		For Powder Coated Gate And Post, Add	*553.03*	
		For 1" Mesh Fabric, Add	*925.27*	
		For 1-1/4" Mesh Fabric, Add	*595.57*	
		For 1-3/4" Mesh Fabric, Add	*370.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-185.05*	
32 31 13 13-0341	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,784.82	101.02
		For Gate With Single Barb Wire Arm, Add	*272.97*	
		For Gate With Double Barb Wire Arm, Add	*397.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-465.29*	
		For Aluminized Steel Gate And Post, Add	*1,191.15*	
		For Powder Coated Gate And Post, Add	*645.21*	
		For 1" Mesh Fabric, Add	*1,079.48*	
		For 1-1/4" Mesh Fabric, Add	*694.84*	
		For 1-3/4" Mesh Fabric, Add	*431.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-215.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0342	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,135.02	109.40
		For Gate With Single Barb Wire Arm, Add	*308.71*	
		For Gate With Double Barb Wire Arm, Add	*449.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-526.22*	
		For Aluminized Steel Gate And Post, Add	*1,347.11*	
		For Powder Coated Gate And Post, Add	*729.68*	
		For 1" Mesh Fabric, Add	*1,220.82*	
		For 1-1/4" Mesh Fabric, Add	*785.81*	
		For 1-3/4" Mesh Fabric, Add	*488.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-244.16*	
32 31 13 13-0343	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,521.84	119.38
		For Gate With Single Barb Wire Arm, Add	*347.98*	
		For Gate With Double Barb Wire Arm, Add	*506.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-593.15*	
		For Aluminized Steel Gate And Post, Add	*1,518.45*	
		For Powder Coated Gate And Post, Add	*822.49*	
		For 1" Mesh Fabric, Add	*1,376.10*	
		For 1-1/4" Mesh Fabric, Add	*885.76*	
		For 1-3/4" Mesh Fabric, Add	*550.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-275.22*	
32 31 13 13-0344	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,908.49	131.33
		For Gate With Single Barb Wire Arm, Add	*386.57*	
		For Gate With Double Barb Wire Arm, Add	*562.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-658.92*	
		For Aluminized Steel Gate And Post, Add	*1,686.84*	
		For Powder Coated Gate And Post, Add	*913.71*	
		For 1" Mesh Fabric, Add	*1,528.70*	
		For 1-1/4" Mesh Fabric, Add	*983.99*	
		For 1-3/4" Mesh Fabric, Add	*611.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-305.74*	
32 31 13 13-0345	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,303.11	145.87
		For Gate With Single Barb Wire Arm, Add	*425.16*	
		For Gate With Double Barb Wire Arm, Add	*618.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-724.70*	
		For Aluminized Steel Gate And Post, Add	*1,855.23*	
		For Powder Coated Gate And Post, Add	*1,004.92*	
		For 1" Mesh Fabric, Add	*1,681.30*	
		For 1-1/4" Mesh Fabric, Add	*1,082.22*	
		For 1-3/4" Mesh Fabric, Add	*672.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-336.26*	
32 31 13 13-0346	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,708.67	164.10
		For Gate With Single Barb Wire Arm, Add	*463.75*	
		For Gate With Double Barb Wire Arm, Add	*674.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-790.48*	
		For Aluminized Steel Gate And Post, Add	*2,023.62*	
		For Powder Coated Gate And Post, Add	*1,096.13*	
		For 1" Mesh Fabric, Add	*1,833.90*	
		For 1-1/4" Mesh Fabric, Add	*1,180.44*	
		For 1-3/4" Mesh Fabric, Add	*733.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-366.78*	
32 31 13 13-0347	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,129.88	187.51
		For Gate With Single Barb Wire Arm, Add	*502.33*	
		For Gate With Double Barb Wire Arm, Add	*730.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-856.25*	
		For Aluminized Steel Gate And Post, Add	*2,192.01*	
		For Powder Coated Gate And Post, Add	*1,187.34*	
		For 1" Mesh Fabric, Add	*1,986.51*	
		For 1-1/4" Mesh Fabric, Add	*1,278.67*	
		For 1-3/4" Mesh Fabric, Add	*794.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-397.30*	
32 31 13 13-0348	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,574.56	218.81
		For Gate With Single Barb Wire Arm, Add	*540.92*	
		For Gate With Double Barb Wire Arm, Add	*786.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-922.03*	
		For Aluminized Steel Gate And Post, Add	*2,360.40*	
		For Powder Coated Gate And Post, Add	*1,278.55*	
		For 1" Mesh Fabric, Add	*2,139.11*	
		For 1-1/4" Mesh Fabric, Add	*1,376.90*	
		For 1-3/4" Mesh Fabric, Add	*855.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-427.82*	
32 31 13 13-0349	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	6,056.78	262.54
		For Gate With Single Barb Wire Arm, Add	*579.51*	
		For Gate With Double Barb Wire Arm, Add	*842.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-987.81*	
		For Aluminized Steel Gate And Post, Add	*2,528.78*	
		For Powder Coated Gate And Post, Add	*1,369.76*	
		For 1" Mesh Fabric, Add	*2,291.71*	
		For 1-1/4" Mesh Fabric, Add	*1,475.12*	
		For 1-3/4" Mesh Fabric, Add	*916.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-458.34*	

32 31 13 13-0350 8' Fence Height *(32 31 13 13-0269)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0351	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	624.15	34.47
		For Gate With Single Barb Wire Arm, Add	*57.27*	
		For Gate With Double Barb Wire Arm, Add	*83.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.62*	
		For Aluminized Steel Gate And Post, Add	*249.91*	
		For Powder Coated Gate And Post, Add	*135.37*	
		For 1" Mesh Fabric, Add	*226.48*	
		For 1-1/4" Mesh Fabric, Add	*145.78*	
		For 1-3/4" Mesh Fabric, Add	*90.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.30*	
32 31 13 13-0352	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	797.70	34.47
		For Gate With Single Barb Wire Arm, Add	*76.36*	
		For Gate With Double Barb Wire Arm, Add	*111.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.16*	
		For Aluminized Steel Gate And Post, Add	*333.22*	
		For Powder Coated Gate And Post, Add	*180.49*	
		For 1" Mesh Fabric, Add	*301.98*	
		For 1-1/4" Mesh Fabric, Add	*194.38*	
		For 1-3/4" Mesh Fabric, Add	*120.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.40*	
32 31 13 13-0353	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	931.85	38.40
		For Gate With Single Barb Wire Arm, Add	*89.81*	
		For Gate With Double Barb Wire Arm, Add	*130.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-153.08*	
		For Aluminized Steel Gate And Post, Add	*391.90*	
		For Powder Coated Gate And Post, Add	*212.28*	
		For 1" Mesh Fabric, Add	*355.16*	
		For 1-1/4" Mesh Fabric, Add	*228.61*	
		For 1-3/4" Mesh Fabric, Add	*142.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-71.03*	
32 31 13 13-0354	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,069.13	43.47
		For Gate With Single Barb Wire Arm, Add	*103.26*	
		For Gate With Double Barb Wire Arm, Add	*150.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-176.01*	
		For Aluminized Steel Gate And Post, Add	*450.59*	
		For Powder Coated Gate And Post, Add	*244.07*	
		For 1" Mesh Fabric, Add	*408.34*	
		For 1-1/4" Mesh Fabric, Add	*262.84*	
		For 1-3/4" Mesh Fabric, Add	*163.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.67*	
32 31 13 13-0355	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,218.31	52.37
		For Gate With Single Barb Wire Arm, Add	*116.71*	
		For Gate With Double Barb Wire Arm, Add	*169.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-198.94*	
		For Aluminized Steel Gate And Post, Add	*509.28*	
		For Powder Coated Gate And Post, Add	*275.86*	
		For 1" Mesh Fabric, Add	*461.53*	
		For 1-1/4" Mesh Fabric, Add	*297.08*	
		For 1-3/4" Mesh Fabric, Add	*184.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.31*	
32 31 13 13-0356	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,366.47	60.97
		For Gate With Single Barb Wire Arm, Add	*130.16*	
		For Gate With Double Barb Wire Arm, Add	*189.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-221.86*	
		For Aluminized Steel Gate And Post, Add	*567.97*	
		For Powder Coated Gate And Post, Add	*307.65*	
		For 1" Mesh Fabric, Add	*514.72*	
		For 1-1/4" Mesh Fabric, Add	*331.32*	
		For 1-3/4" Mesh Fabric, Add	*205.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-102.94*	
32 31 13 13-0357	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,515.65	69.96
		For Gate With Single Barb Wire Arm, Add	*143.61*	
		For Gate With Double Barb Wire Arm, Add	*208.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.79*	
		For Aluminized Steel Gate And Post, Add	*626.66*	
		For Powder Coated Gate And Post, Add	*339.44*	
		For 1" Mesh Fabric, Add	*567.91*	
		For 1-1/4" Mesh Fabric, Add	*365.55*	
		For 1-3/4" Mesh Fabric, Add	*227.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.58*	
32 31 13 13-0358	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,664.82	78.97
		For Gate With Single Barb Wire Arm, Add	*157.06*	
		For Gate With Double Barb Wire Arm, Add	*228.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-267.71*	
		For Aluminized Steel Gate And Post, Add	*685.35*	
		For Powder Coated Gate And Post, Add	*371.23*	
		For 1" Mesh Fabric, Add	*621.10*	
		For 1-1/4" Mesh Fabric, Add	*399.79*	
		For 1-3/4" Mesh Fabric, Add	*248.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-124.22*	
32 31 13 13-0359	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,423.34	93.75
		For Gate With Single Barb Wire Arm, Add	*235.59*	
		For Gate With Double Barb Wire Arm, Add	*342.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-401.58*	
		For Aluminized Steel Gate And Post, Add	*1,028.04*	
		For Powder Coated Gate And Post, Add	*556.85*	
		For 1" Mesh Fabric, Add	*931.66*	
		For 1-1/4" Mesh Fabric, Add	*599.69*	
		For 1-3/4" Mesh Fabric, Add	*372.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-186.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0360	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,857.40	101.02
		For Gate With Single Barb Wire Arm, Add	*280.96*	
		For Gate With Double Barb Wire Arm, Add	*408.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-478.90*	
		For Aluminized Steel Gate And Post, Add	*1,225.99*	
		For Powder Coated Gate And Post, Add	*664.08*	
		For 1" Mesh Fabric, Add	*1,111.05*	
		For 1-1/4" Mesh Fabric, Add	*715.16*	
		For 1-3/4" Mesh Fabric, Add	*444.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-222.21*	
32 31 13 13-0361	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,301.19	109.40
		For Gate With Single Barb Wire Arm, Add	*326.99*	
		For Gate With Double Barb Wire Arm, Add	*475.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-557.37*	
		For Aluminized Steel Gate And Post, Add	*1,426.87*	
		For Powder Coated Gate And Post, Add	*772.89*	
		For 1" Mesh Fabric, Add	*1,293.10*	
		For 1-1/4" Mesh Fabric, Add	*832.34*	
		For 1-3/4" Mesh Fabric, Add	*517.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-258.62*	
32 31 13 13-0362	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,761.87	119.38
		For Gate With Single Barb Wire Arm, Add	*374.38*	
		For Gate With Double Barb Wire Arm, Add	*544.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-638.15*	
		For Aluminized Steel Gate And Post, Add	*1,633.67*	
		For Powder Coated Gate And Post, Add	*884.90*	
		For 1" Mesh Fabric, Add	*1,480.51*	
		For 1-1/4" Mesh Fabric, Add	*952.97*	
		For 1-3/4" Mesh Fabric, Add	*592.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-296.10*	
32 31 13 13-0363	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,228.53	131.33
		For Gate With Single Barb Wire Arm, Add	*421.77*	
		For Gate With Double Barb Wire Arm, Add	*613.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-718.93*	
		For Aluminized Steel Gate And Post, Add	*1,840.46*	
		For Powder Coated Gate And Post, Add	*996.92*	
		For 1" Mesh Fabric, Add	*1,667.92*	
		For 1-1/4" Mesh Fabric, Add	*1,073.60*	
		For 1-3/4" Mesh Fabric, Add	*667.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-333.58*	
32 31 13 13-0364	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,697.01	145.87
		For Gate With Single Barb Wire Arm, Add	*468.49*	
		For Gate With Double Barb Wire Arm, Add	*681.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-798.56*	
		For Aluminized Steel Gate And Post, Add	*2,044.30*	
		For Powder Coated Gate And Post, Add	*1,107.33*	
		For 1" Mesh Fabric, Add	*1,852.65*	
		For 1-1/4" Mesh Fabric, Add	*1,192.51*	
		For 1-3/4" Mesh Fabric, Add	*741.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-370.53*	
32 31 13 13-0365	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,170.27	164.10
		For Gate With Single Barb Wire Arm, Add	*514.52*	
		For Gate With Double Barb Wire Arm, Add	*748.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-877.03*	
		For Aluminized Steel Gate And Post, Add	*2,245.19*	
		For Powder Coated Gate And Post, Add	*1,216.14*	
		For 1" Mesh Fabric, Add	*2,034.70*	
		For 1-1/4" Mesh Fabric, Add	*1,309.69*	
		For 1-3/4" Mesh Fabric, Add	*813.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-406.94*	
32 31 13 13-0366	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,671.48	187.51
		For Gate With Single Barb Wire Arm, Add	*561.91*	
		For Gate With Double Barb Wire Arm, Add	*817.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-957.80*	
		For Aluminized Steel Gate And Post, Add	*2,451.97*	
		For Powder Coated Gate And Post, Add	*1,328.15*	
		For 1" Mesh Fabric, Add	*2,222.10*	
		For 1-1/4" Mesh Fabric, Add	*1,430.32*	
		For 1-3/4" Mesh Fabric, Add	*888.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-444.42*	
32 31 13 13-0367	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,196.17	218.81
		For Gate With Single Barb Wire Arm, Add	*609.30*	
		For Gate With Double Barb Wire Arm, Add	*886.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,038.58*	
		For Aluminized Steel Gate And Post, Add	*2,658.77*	
		For Powder Coated Gate And Post, Add	*1,440.17*	
		For 1" Mesh Fabric, Add	*2,409.51*	
		For 1-1/4" Mesh Fabric, Add	*1,550.95*	
		For 1-3/4" Mesh Fabric, Add	*963.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-481.90*	
32 31 13 13-0368	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,752.25	262.54
		For Gate With Single Barb Wire Arm, Add	*656.01*	
		For Gate With Double Barb Wire Arm, Add	*954.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,118.21*	
		For Aluminized Steel Gate And Post, Add	*2,862.61*	
		For Powder Coated Gate And Post, Add	*1,550.58*	
		For 1" Mesh Fabric, Add	*2,594.24*	
		For 1-1/4" Mesh Fabric, Add	*1,669.86*	
		For 1-3/4" Mesh Fabric, Add	*1,037.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-518.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0369	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	7,374.04	328.21
		For Gate With Single Barb Wire Arm, Add	*702.73*	
		For Gate With Double Barb Wire Arm, Add	*1,022.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,197.83*	
		For Aluminized Steel Gate And Post, Add	*3,066.45*	
		For Powder Coated Gate And Post, Add	*1,660.99*	
		For 1" Mesh Fabric, Add	*2,778.97*	
		For 1-1/4" Mesh Fabric, Add	*1,788.76*	
		For 1-3/4" Mesh Fabric, Add	*1,111.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-555.79*	

32 31 13 13-0370 10' Fence Height *(32 31 13 13-0269)*

32 31 13 13-0371	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	788.27	38.30
		For Gate With Single Barb Wire Arm, Add	*74.06*	
		For Gate With Double Barb Wire Arm, Add	*107.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.24*	
		For Aluminized Steel Gate And Post, Add	*323.17*	
		For Powder Coated Gate And Post, Add	*175.05*	
		For 1" Mesh Fabric, Add	*292.87*	
		For 1-1/4" Mesh Fabric, Add	*188.52*	
		For 1-3/4" Mesh Fabric, Add	*117.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.57*	
32 31 13 13-0372	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,012.69	38.30
		For Gate With Single Barb Wire Arm, Add	*98.75*	
		For Gate With Double Barb Wire Arm, Add	*143.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-168.32*	
		For Aluminized Steel Gate And Post, Add	*430.89*	
		For Powder Coated Gate And Post, Add	*233.40*	
		For 1" Mesh Fabric, Add	*390.50*	
		For 1-1/4" Mesh Fabric, Add	*251.35*	
		For 1-3/4" Mesh Fabric, Add	*156.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-78.10*	
32 31 13 13-0373	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,175.87	39.96
		For Gate With Single Barb Wire Arm, Add	*116.14*	
		For Gate With Double Barb Wire Arm, Add	*168.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.96*	
		For Aluminized Steel Gate And Post, Add	*506.79*	
		For Powder Coated Gate And Post, Add	*274.51*	
		For 1" Mesh Fabric, Add	*459.28*	
		For 1-1/4" Mesh Fabric, Add	*295.63*	
		For 1-3/4" Mesh Fabric, Add	*183.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.86*	
32 31 13 13-0374	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,362.97	49.68
		For Gate With Single Barb Wire Arm, Add	*133.53*	
		For Gate With Double Barb Wire Arm, Add	*194.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-227.61*	
		For Aluminized Steel Gate And Post, Add	*582.69*	
		For Powder Coated Gate And Post, Add	*315.62*	
		For 1" Mesh Fabric, Add	*528.06*	
		For 1-1/4" Mesh Fabric, Add	*339.90*	
		For 1-3/4" Mesh Fabric, Add	*211.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.61*	
32 31 13 13-0375	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,549.44	58.89
		For Gate With Single Barb Wire Arm, Add	*150.92*	
		For Gate With Double Barb Wire Arm, Add	*219.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-257.25*	
		For Aluminized Steel Gate And Post, Add	*658.56*	
		For Powder Coated Gate And Post, Add	*356.72*	
		For 1" Mesh Fabric, Add	*596.82*	
		For 1-1/4" Mesh Fabric, Add	*384.16*	
		For 1-3/4" Mesh Fabric, Add	*238.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.36*	
32 31 13 13-0376	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,736.09	68.63
		For Gate With Single Barb Wire Arm, Add	*168.31*	
		For Gate With Double Barb Wire Arm, Add	*244.82*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-286.90*	
		For Aluminized Steel Gate And Post, Add	*734.46*	
		For Powder Coated Gate And Post, Add	*397.83*	
		For 1" Mesh Fabric, Add	*665.61*	
		For 1-1/4" Mesh Fabric, Add	*428.44*	
		For 1-3/4" Mesh Fabric, Add	*266.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.12*	
32 31 13 13-0377	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,922.15	77.94
		For Gate With Single Barb Wire Arm, Add	*185.71*	
		For Gate With Double Barb Wire Arm, Add	*270.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-316.55*	
		For Aluminized Steel Gate And Post, Add	*810.36*	
		For Powder Coated Gate And Post, Add	*438.95*	
		For 1" Mesh Fabric, Add	*734.39*	
		For 1-1/4" Mesh Fabric, Add	*472.71*	
		For 1-3/4" Mesh Fabric, Add	*293.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-146.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0378	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	2,109.27	87.56
		For Gate With Single Barb Wire Arm, Add	*203.10*	
		For Gate With Double Barb Wire Arm, Add	*295.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-346.19*	
		For Aluminized Steel Gate And Post, Add	*886.26*	
		For Powder Coated Gate And Post, Add	*480.06*	
		For 1" Mesh Fabric, Add	*803.17*	
		For 1-1/4" Mesh Fabric, Add	*516.98*	
		For 1-3/4" Mesh Fabric, Add	*321.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-160.63*	
32 31 13 13-0379	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,082.42	104.23
		For Gate With Single Barb Wire Arm, Add	*304.65*	
		For Gate With Double Barb Wire Arm, Add	*443.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-519.29*	
		For Aluminized Steel Gate And Post, Add	*1,329.37*	
		For Powder Coated Gate And Post, Add	*720.08*	
		For 1" Mesh Fabric, Add	*1,204.75*	
		For 1-1/4" Mesh Fabric, Add	*775.47*	
		For 1-3/4" Mesh Fabric, Add	*481.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-240.95*	
32 31 13 13-0380	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,352.62	112.12
		For Gate With Single Barb Wire Arm, Add	*331.74*	
		For Gate With Double Barb Wire Arm, Add	*482.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-565.46*	
		For Aluminized Steel Gate And Post, Add	*1,447.57*	
		For Powder Coated Gate And Post, Add	*784.10*	
		For 1" Mesh Fabric, Add	*1,311.86*	
		For 1-1/4" Mesh Fabric, Add	*844.42*	
		For 1-3/4" Mesh Fabric, Add	*524.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.37*	
32 31 13 13-0381	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,823.90	121.60
		For Gate With Single Barb Wire Arm, Add	*380.47*	
		For Gate With Double Barb Wire Arm, Add	*553.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-648.54*	
		For Aluminized Steel Gate And Post, Add	*1,660.25*	
		For Powder Coated Gate And Post, Add	*899.30*	
		For 1" Mesh Fabric, Add	*1,504.60*	
		For 1-1/4" Mesh Fabric, Add	*968.48*	
		For 1-3/4" Mesh Fabric, Add	*601.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-300.92*	
32 31 13 13-0382	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,349.30	132.56
		For Gate With Single Barb Wire Arm, Add	*434.64*	
		For Gate With Double Barb Wire Arm, Add	*632.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-740.86*	
		For Aluminized Steel Gate And Post, Add	*1,896.59*	
		For Powder Coated Gate And Post, Add	*1,027.32*	
		For 1" Mesh Fabric, Add	*1,718.79*	
		For 1-1/4" Mesh Fabric, Add	*1,106.34*	
		For 1-3/4" Mesh Fabric, Add	*687.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-343.76*	
32 31 13 13-0383	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,881.64	145.87
		For Gate With Single Barb Wire Arm, Add	*488.79*	
		For Gate With Double Barb Wire Arm, Add	*710.97*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-833.17*	
		For Aluminized Steel Gate And Post, Add	*2,132.92*	
		For Powder Coated Gate And Post, Add	*1,155.33*	
		For 1" Mesh Fabric, Add	*1,932.96*	
		For 1-1/4" Mesh Fabric, Add	*1,244.21*	
		For 1-3/4" Mesh Fabric, Add	*773.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-386.59*	
32 31 13 13-0384	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,425.51	162.01
		For Gate With Single Barb Wire Arm, Add	*543.29*	
		For Gate With Double Barb Wire Arm, Add	*790.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-926.07*	
		For Aluminized Steel Gate And Post, Add	*2,370.73*	
		For Powder Coated Gate And Post, Add	*1,284.15*	
		For 1" Mesh Fabric, Add	*2,148.48*	
		For 1-1/4" Mesh Fabric, Add	*1,382.93*	
		For 1-3/4" Mesh Fabric, Add	*859.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-429.70*	
32 31 13 13-0385	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,982.04	182.34
		For Gate With Single Barb Wire Arm, Add	*597.79*	
		For Gate With Double Barb Wire Arm, Add	*869.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,018.97*	
		For Aluminized Steel Gate And Post, Add	*2,608.55*	
		For Powder Coated Gate And Post, Add	*1,412.96*	
		For 1" Mesh Fabric, Add	*2,364.00*	
		For 1-1/4" Mesh Fabric, Add	*1,521.65*	
		For 1-3/4" Mesh Fabric, Add	*945.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-472.80*	
32 31 13 13-0386	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,552.22	208.21
		For Gate With Single Barb Wire Arm, Add	*651.95*	
		For Gate With Double Barb Wire Arm, Add	*948.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,111.28*	
		For Aluminized Steel Gate And Post, Add	*2,844.88*	
		For Powder Coated Gate And Post, Add	*1,540.98*	
		For 1" Mesh Fabric, Add	*2,578.18*	
		For 1-1/4" Mesh Fabric, Add	*1,659.52*	
		For 1-3/4" Mesh Fabric, Add	*1,031.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-515.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0387	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,149.29	243.08
		For Gate With Single Barb Wire Arm, Add	*706.11*	
		For Gate With Double Barb Wire Arm, Add	*1,027.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,203.60*	
		For Aluminized Steel Gate And Post, Add	*3,081.22*	
		For Powder Coated Gate And Post, Add	*1,668.99*	
		For 1" Mesh Fabric, Add	*2,792.36*	
		For 1-1/4" Mesh Fabric, Add	*1,797.38*	
		For 1-3/4" Mesh Fabric, Add	*1,116.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-558.47*	
32 31 13 13-0388	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,786.88	291.49
		For Gate With Single Barb Wire Arm, Add	*760.27*	
		For Gate With Double Barb Wire Arm, Add	*1,105.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,295.92*	
		For Aluminized Steel Gate And Post, Add	*3,317.55*	
		For Powder Coated Gate And Post, Add	*1,797.01*	
		For 1" Mesh Fabric, Add	*3,006.53*	
		For 1-1/4" Mesh Fabric, Add	*1,935.24*	
		For 1-3/4" Mesh Fabric, Add	*1,202.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-601.31*	
32 31 13 13-0389	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	8,505.20	364.67
		For Gate With Single Barb Wire Arm, Add	*815.11*	
		For Gate With Double Barb Wire Arm, Add	*1,185.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,389.39*	
		For Aluminized Steel Gate And Post, Add	*3,556.84*	
		For Powder Coated Gate And Post, Add	*1,926.62*	
		For 1" Mesh Fabric, Add	*3,223.39*	
		For 1-1/4" Mesh Fabric, Add	*2,074.83*	
		For 1-3/4" Mesh Fabric, Add	*1,289.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-644.68*	
32 31 13 13-0390		**12' Fence Height** *(32 31 13 13-0269)*		
32 31 13 13-0391	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	989.57	42.54
		For Gate With Single Barb Wire Arm, Add	*94.80*	
		For Gate With Double Barb Wire Arm, Add	*137.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.59*	
		For Aluminized Steel Gate And Post, Add	*413.66*	
		For Powder Coated Gate And Post, Add	*224.07*	
		For 1" Mesh Fabric, Add	*374.88*	
		For 1-1/4" Mesh Fabric, Add	*241.30*	
		For 1-3/4" Mesh Fabric, Add	*149.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.98*	
32 31 13 13-0392	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,276.81	42.54
		For Gate With Single Barb Wire Arm, Add	*126.39*	
		For Gate With Double Barb Wire Arm, Add	*183.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.44*	
		For Aluminized Steel Gate And Post, Add	*551.53*	
		For Powder Coated Gate And Post, Add	*298.75*	
		For 1" Mesh Fabric, Add	*499.83*	
		For 1-1/4" Mesh Fabric, Add	*321.73*	
		For 1-3/4" Mesh Fabric, Add	*199.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.97*	
32 31 13 13-0393	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,483.92	44.09
		For Gate With Single Barb Wire Arm, Add	*148.66*	
		For Gate With Double Barb Wire Arm, Add	*216.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-253.40*	
		For Aluminized Steel Gate And Post, Add	*648.69*	
		For Powder Coated Gate And Post, Add	*351.37*	
		For 1" Mesh Fabric, Add	*587.88*	
		For 1-1/4" Mesh Fabric, Add	*378.40*	
		For 1-3/4" Mesh Fabric, Add	*235.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.58*	
32 31 13 13-0394	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,718.39	54.75
		For Gate With Single Barb Wire Arm, Add	*170.92*	
		For Gate With Double Barb Wire Arm, Add	*248.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-291.34*	
		For Aluminized Steel Gate And Post, Add	*745.83*	
		For Powder Coated Gate And Post, Add	*403.99*	
		For 1" Mesh Fabric, Add	*675.91*	
		For 1-1/4" Mesh Fabric, Add	*435.07*	
		For 1-3/4" Mesh Fabric, Add	*270.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.18*	
32 31 13 13-0395	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	667.99	65.52
		For Gate With Single Barb Wire Arm, Add	*51.85*	
		For Gate With Double Barb Wire Arm, Add	*75.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.37*	
		For Aluminized Steel Gate And Post, Add	*226.24*	
		For Powder Coated Gate And Post, Add	*122.55*	
		For 1" Mesh Fabric, Add	*205.03*	
		For 1-1/4" Mesh Fabric, Add	*131.97*	
		For 1-3/4" Mesh Fabric, Add	*82.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0396	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	753.35	75.86
		For Gate With Single Barb Wire Arm, Add	*57.82*	
		For Gate With Double Barb Wire Arm, Add	*84.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.56*	
		For Aluminized Steel Gate And Post, Add	*252.31*	
		For Powder Coated Gate And Post, Add	*136.67*	
		For 1" Mesh Fabric, Add	*228.65*	
		For 1-1/4" Mesh Fabric, Add	*147.18*	
		For 1-3/4" Mesh Fabric, Add	*91.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.73*	
32 31 13 13-0397	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	839.75	86.53
		For Gate With Single Barb Wire Arm, Add	*63.80*	
		For Gate With Double Barb Wire Arm, Add	*92.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-108.74*	
		For Aluminized Steel Gate And Post, Add	*278.38*	
		For Powder Coated Gate And Post, Add	*150.79*	
		For 1" Mesh Fabric, Add	*252.28*	
		For 1-1/4" Mesh Fabric, Add	*162.39*	
		For 1-3/4" Mesh Fabric, Add	*100.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.46*	
32 31 13 13-0398	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	926.16	97.19
		For Gate With Single Barb Wire Arm, Add	*69.77*	
		For Gate With Double Barb Wire Arm, Add	*101.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.93*	
		For Aluminized Steel Gate And Post, Add	*304.45*	
		For Powder Coated Gate And Post, Add	*164.91*	
		For 1" Mesh Fabric, Add	*275.91*	
		For 1-1/4" Mesh Fabric, Add	*177.60*	
		For 1-3/4" Mesh Fabric, Add	*110.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.18*	
32 31 13 13-0399	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,231.37	115.81
		For Gate With Single Barb Wire Arm, Add	*97.21*	
		For Gate With Double Barb Wire Arm, Add	*141.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.70*	
		For Aluminized Steel Gate And Post, Add	*424.18*	
		For Powder Coated Gate And Post, Add	*229.76*	
		For 1" Mesh Fabric, Add	*384.41*	
		For 1-1/4" Mesh Fabric, Add	*247.44*	
		For 1-3/4" Mesh Fabric, Add	*153.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.88*	
32 31 13 13-0400	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,345.45	124.68
		For Gate With Single Barb Wire Arm, Add	*106.84*	
		For Gate With Double Barb Wire Arm, Add	*155.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-182.11*	
		For Aluminized Steel Gate And Post, Add	*466.20*	
		For Powder Coated Gate And Post, Add	*252.53*	
		For 1" Mesh Fabric, Add	*422.50*	
		For 1-1/4" Mesh Fabric, Add	*271.95*	
		For 1-3/4" Mesh Fabric, Add	*169.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.50*	
32 31 13 13-0401	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,518.91	135.02
		For Gate With Single Barb Wire Arm, Add	*122.46*	
		For Gate With Double Barb Wire Arm, Add	*178.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-208.75*	
		For Aluminized Steel Gate And Post, Add	*534.39*	
		For Powder Coated Gate And Post, Add	*289.46*	
		For 1" Mesh Fabric, Add	*484.29*	
		For 1-1/4" Mesh Fabric, Add	*311.73*	
		For 1-3/4" Mesh Fabric, Add	*193.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.86*	
32 31 13 13-0402	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,714.26	147.23
		For Gate With Single Barb Wire Arm, Add	*139.91*	
		For Gate With Double Barb Wire Arm, Add	*203.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-238.48*	
		For Aluminized Steel Gate And Post, Add	*610.51*	
		For Powder Coated Gate And Post, Add	*330.69*	
		For 1" Mesh Fabric, Add	*553.27*	
		For 1-1/4" Mesh Fabric, Add	*356.13*	
		For 1-3/4" Mesh Fabric, Add	*221.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-110.65*	
32 31 13 13-0403	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,816.33	162.13
		For Gate With Single Barb Wire Arm, Add	*586.28*	
		For Gate With Double Barb Wire Arm, Add	*852.78*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-999.35*	
		For Aluminized Steel Gate And Post, Add	*2,558.33*	
		For Powder Coated Gate And Post, Add	*1,385.76*	
		For 1" Mesh Fabric, Add	*2,318.48*	
		For 1-1/4" Mesh Fabric, Add	*1,492.36*	
		For 1-3/4" Mesh Fabric, Add	*927.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-463.70*	
32 31 13 13-0404	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,467.19	180.00
		For Gate With Single Barb Wire Arm, Add	*651.95*	
		For Gate With Double Barb Wire Arm, Add	*948.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,111.28*	
		For Aluminized Steel Gate And Post, Add	*2,844.88*	
		For Powder Coated Gate And Post, Add	*1,540.98*	
		For 1" Mesh Fabric, Add	*2,578.18*	
		For 1-1/4" Mesh Fabric, Add	*1,659.52*	
		For 1-3/4" Mesh Fabric, Add	*1,031.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-515.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0405	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,126.08	202.55
		For Gate With Single Barb Wire Arm, Add	*716.94*	
		For Gate With Double Barb Wire Arm, Add	*1,042.83*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,222.07*	
		For Aluminized Steel Gate And Post, Add	*3,128.49*	
		For Powder Coated Gate And Post, Add	*1,694.60*	
		For 1" Mesh Fabric, Add	*2,835.19*	
		For 1-1/4" Mesh Fabric, Add	*1,824.95*	
		For 1-3/4" Mesh Fabric, Add	*1,134.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-567.04*	
32 31 13 13-0406	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,809.54	231.37
		For Gate With Single Barb Wire Arm, Add	*782.61*	
		For Gate With Double Barb Wire Arm, Add	*1,138.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,334.00*	
		For Aluminized Steel Gate And Post, Add	*3,415.04*	
		For Powder Coated Gate And Post, Add	*1,849.81*	
		For 1" Mesh Fabric, Add	*3,094.88*	
		For 1-1/4" Mesh Fabric, Add	*1,992.11*	
		For 1-3/4" Mesh Fabric, Add	*1,237.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-618.98*	
32 31 13 13-0407	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,510.54	270.18
		For Gate With Single Barb Wire Arm, Add	*846.93*	
		For Gate With Double Barb Wire Arm, Add	*1,231.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,443.63*	
		For Aluminized Steel Gate And Post, Add	*3,695.69*	
		For Powder Coated Gate And Post, Add	*2,001.83*	
		For 1" Mesh Fabric, Add	*3,349.22*	
		For 1-1/4" Mesh Fabric, Add	*2,155.82*	
		For 1-3/4" Mesh Fabric, Add	*1,339.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-669.84*	
32 31 13 13-0408	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,262.76	323.89
		For Gate With Single Barb Wire Arm, Add	*911.92*	
		For Gate With Double Barb Wire Arm, Add	*1,326.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,554.41*	
		For Aluminized Steel Gate And Post, Add	*3,979.29*	
		For Powder Coated Gate And Post, Add	*2,155.45*	
		For 1" Mesh Fabric, Add	*3,606.23*	
		For 1-1/4" Mesh Fabric, Add	*2,321.25*	
		For 1-3/4" Mesh Fabric, Add	*1,442.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-721.25*	
32 31 13 13-0409	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	10,103.97	405.20
		For Gate With Single Barb Wire Arm, Add	*977.59*	
		For Gate With Double Barb Wire Arm, Add	*1,421.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,666.35*	
		For Aluminized Steel Gate And Post, Add	*4,265.85*	
		For Powder Coated Gate And Post, Add	*2,310.67*	
		For 1" Mesh Fabric, Add	*3,865.92*	
		For 1-1/4" Mesh Fabric, Add	*2,488.41*	
		For 1-3/4" Mesh Fabric, Add	*1,546.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-773.18*	

32 31 13 13-0410 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0268)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0411 4' Fence Height *(32 31 13 13-0410)*

32 31 13 13-0412	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	187.84	25.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-20.67*	
		For 1" Mesh Fabric, Add	*47.95*	
		For 1-1/4" Mesh Fabric, Add	*30.86*	
		For 1-3/4" Mesh Fabric, Add	*19.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-9.59*	
		For Gate With Single Barb Wire Arm, Add	*12.12*	
		For Gate With Double Barb Wire Arm, Add	*17.64*	
32 31 13 13-0413	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	224.58	25.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.56*	
		For 1" Mesh Fabric, Add	*63.93*	
		For 1-1/4" Mesh Fabric, Add	*41.15*	
		For 1-3/4" Mesh Fabric, Add	*25.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.79*	
		For Gate With Single Barb Wire Arm, Add	*16.17*	
		For Gate With Double Barb Wire Arm, Add	*23.51*	
32 31 13 13-0414	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	260.39	27.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-33.30*	
		For 1" Mesh Fabric, Add	*77.25*	
		For 1-1/4" Mesh Fabric, Add	*49.72*	
		For 1-3/4" Mesh Fabric, Add	*30.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.45*	
		For Gate With Single Barb Wire Arm, Add	*19.53*	
		For Gate With Double Barb Wire Arm, Add	*28.41*	
32 31 13 13-0415	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	307.56	33.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-39.04*	
		For 1" Mesh Fabric, Add	*90.57*	
		For 1-1/4" Mesh Fabric, Add	*58.30*	
		For 1-3/4" Mesh Fabric, Add	*36.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.11*	
		For Gate With Single Barb Wire Arm, Add	*22.90*	
		For Gate With Double Barb Wire Arm, Add	*33.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0416	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	354.73	38.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-44.78*	
		For 1" Mesh Fabric, Add	*103.88*	
		For 1-1/4" Mesh Fabric, Add	*66.87*	
		For 1-3/4" Mesh Fabric, Add	*41.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.78*	
		For Gate With Single Barb Wire Arm, Add	*26.27*	
		For Gate With Double Barb Wire Arm, Add	*38.21*	
32 31 13 13-0417	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	401.92	44.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.52*	
		For 1" Mesh Fabric, Add	*117.21*	
		For 1-1/4" Mesh Fabric, Add	*75.44*	
		For 1-3/4" Mesh Fabric, Add	*46.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.44*	
		For Gate With Single Barb Wire Arm, Add	*29.64*	
		For Gate With Double Barb Wire Arm, Add	*43.11*	
32 31 13 13-0418	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	449.09	49.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.26*	
		For 1" Mesh Fabric, Add	*130.52*	
		For 1-1/4" Mesh Fabric, Add	*84.01*	
		For 1-3/4" Mesh Fabric, Add	*52.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.10*	
		For Gate With Single Barb Wire Arm, Add	*33.01*	
		For Gate With Double Barb Wire Arm, Add	*48.01*	
32 31 13 13-0419	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	496.26	55.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.00*	
		For 1" Mesh Fabric, Add	*143.84*	
		For 1-1/4" Mesh Fabric, Add	*92.58*	
		For 1-3/4" Mesh Fabric, Add	*57.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.77*	
		For Gate With Single Barb Wire Arm, Add	*36.37*	
		For Gate With Double Barb Wire Arm, Add	*52.91*	
32 31 13 13-0420	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	606.49	55.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-82.67*	
		For 1" Mesh Fabric, Add	*191.79*	
		For 1-1/4" Mesh Fabric, Add	*123.45*	
		For 1-3/4" Mesh Fabric, Add	*76.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.36*	
		For Gate With Single Barb Wire Arm, Add	*48.50*	
		For Gate With Double Barb Wire Arm, Add	*70.54*	
32 31 13 13-0421	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	706.49	59.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-99.20*	
		For 1" Mesh Fabric, Add	*230.14*	
		For 1-1/4" Mesh Fabric, Add	*148.14*	
		For 1-3/4" Mesh Fabric, Add	*92.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.03*	
		For Gate With Single Barb Wire Arm, Add	*58.20*	
		For Gate With Double Barb Wire Arm, Add	*84.65*	
32 31 13 13-0422	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	808.33	63.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.73*	
		For 1" Mesh Fabric, Add	*268.50*	
		For 1-1/4" Mesh Fabric, Add	*172.83*	
		For 1-3/4" Mesh Fabric, Add	*107.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.70*	
		For Gate With Single Barb Wire Arm, Add	*67.90*	
		For Gate With Double Barb Wire Arm, Add	*98.76*	
32 31 13 13-0423	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	912.42	68.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-132.27*	
		For 1" Mesh Fabric, Add	*306.86*	
		For 1-1/4" Mesh Fabric, Add	*197.52*	
		For 1-3/4" Mesh Fabric, Add	*122.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-61.37*	
		For Gate With Single Barb Wire Arm, Add	*77.60*	
		For Gate With Double Barb Wire Arm, Add	*112.87*	
32 31 13 13-0424	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,056.42	87.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-148.80*	
		For 1" Mesh Fabric, Add	*345.22*	
		For 1-1/4" Mesh Fabric, Add	*222.21*	
		For 1-3/4" Mesh Fabric, Add	*138.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.04*	
		For Gate With Single Barb Wire Arm, Add	*87.30*	
		For Gate With Double Barb Wire Arm, Add	*126.98*	
32 31 13 13-0425	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,163.37	93.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.33*	
		For 1" Mesh Fabric, Add	*383.57*	
		For 1-1/4" Mesh Fabric, Add	*246.90*	
		For 1-3/4" Mesh Fabric, Add	*153.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.71*	
		For Gate With Single Barb Wire Arm, Add	*96.99*	
		For Gate With Double Barb Wire Arm, Add	*141.08*	
32 31 13 13-0426	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,273.21	101.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-181.87*	
		For 1" Mesh Fabric, Add	*421.93*	
		For 1-1/4" Mesh Fabric, Add	*271.59*	
		For 1-3/4" Mesh Fabric, Add	*168.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.39*	
		For Gate With Single Barb Wire Arm, Add	*106.69*	
		For Gate With Double Barb Wire Arm, Add	*155.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0427	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,386.67	109.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-198.40*	
		For 1" Mesh Fabric, Add	*460.29*	
		For 1-1/4" Mesh Fabric, Add	*296.28*	
		For 1-3/4" Mesh Fabric, Add	*184.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.06*	
		For Gate With Single Barb Wire Arm, Add	*116.39*	
		For Gate With Double Barb Wire Arm, Add	*169.30*	
32 31 13 13-0428	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,504.71	119.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-214.93*	
		For 1" Mesh Fabric, Add	*498.64*	
		For 1-1/4" Mesh Fabric, Add	*320.97*	
		For 1-3/4" Mesh Fabric, Add	*199.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.73*	
		For Gate With Single Barb Wire Arm, Add	*126.09*	
		For Gate With Double Barb Wire Arm, Add	*183.41*	
32 31 13 13-0429	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,628.72	131.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-231.47*	
		For 1" Mesh Fabric, Add	*537.00*	
		For 1-1/4" Mesh Fabric, Add	*345.65*	
		For 1-3/4" Mesh Fabric, Add	*214.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-107.40*	
		For Gate With Single Barb Wire Arm, Add	*135.79*	
		For Gate With Double Barb Wire Arm, Add	*197.52*	
32 31 13 13-0430	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,760.71	145.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.00*	
		For 1" Mesh Fabric, Add	*575.36*	
		For 1-1/4" Mesh Fabric, Add	*370.34*	
		For 1-3/4" Mesh Fabric, Add	*230.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.07*	
		For Gate With Single Barb Wire Arm, Add	*145.49*	
		For Gate With Double Barb Wire Arm, Add	*211.63*	

32 31 13 13-0431 5' Fence Height *(32 31 13 13-0410)*

32 31 13 13-0432	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	219.39	27.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-25.61*	
		For 1" Mesh Fabric, Add	*59.41*	
		For 1-1/4" Mesh Fabric, Add	*38.24*	
		For 1-3/4" Mesh Fabric, Add	*23.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-11.88*	
		For Gate With Single Barb Wire Arm, Add	*15.02*	
		For Gate With Double Barb Wire Arm, Add	*21.85*	
32 31 13 13-0433	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	264.92	27.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.15*	
		For 1" Mesh Fabric, Add	*79.22*	
		For 1-1/4" Mesh Fabric, Add	*50.99*	
		For 1-3/4" Mesh Fabric, Add	*31.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.84*	
		For Gate With Single Barb Wire Arm, Add	*20.03*	
		For Gate With Double Barb Wire Arm, Add	*29.14*	
32 31 13 13-0434	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	304.24	29.29
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.55*	
		For 1" Mesh Fabric, Add	*94.07*	
		For 1-1/4" Mesh Fabric, Add	*60.55*	
		For 1-3/4" Mesh Fabric, Add	*37.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.81*	
		For Gate With Single Barb Wire Arm, Add	*23.79*	
		For Gate With Double Barb Wire Arm, Add	*34.60*	
32 31 13 13-0435	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	355.97	35.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.95*	
		For 1" Mesh Fabric, Add	*108.92*	
		For 1-1/4" Mesh Fabric, Add	*70.11*	
		For 1-3/4" Mesh Fabric, Add	*43.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.78*	
		For Gate With Single Barb Wire Arm, Add	*27.54*	
		For Gate With Double Barb Wire Arm, Add	*40.06*	
32 31 13 13-0436	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	407.72	40.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.35*	
		For 1" Mesh Fabric, Add	*123.78*	
		For 1-1/4" Mesh Fabric, Add	*79.67*	
		For 1-3/4" Mesh Fabric, Add	*49.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.76*	
		For Gate With Single Barb Wire Arm, Add	*31.30*	
		For Gate With Double Barb Wire Arm, Add	*45.53*	
32 31 13 13-0437	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	460.49	47.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.75*	
		For 1" Mesh Fabric, Add	*138.63*	
		For 1-1/4" Mesh Fabric, Add	*89.23*	
		For 1-3/4" Mesh Fabric, Add	*55.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.73*	
		For Gate With Single Barb Wire Arm, Add	*35.06*	
		For Gate With Double Barb Wire Arm, Add	*50.99*	
32 31 13 13-0438	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	512.23	53.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.16*	
		For 1" Mesh Fabric, Add	*153.49*	
		For 1-1/4" Mesh Fabric, Add	*98.80*	
		For 1-3/4" Mesh Fabric, Add	*61.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.70*	
		For Gate With Single Barb Wire Arm, Add	*38.81*	
		For Gate With Double Barb Wire Arm, Add	*56.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0439	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	563.97	58.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.56*	
		For 1" Mesh Fabric, Add	*168.34*	
		For 1-1/4" Mesh Fabric, Add	*108.35*	
		For 1-3/4" Mesh Fabric, Add	*67.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.67*	
		For Gate With Single Barb Wire Arm, Add	*42.57*	
		For Gate With Double Barb Wire Arm, Add	*61.92*	
32 31 13 13-0440	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	723.75	59.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.44*	
		For 1" Mesh Fabric, Add	*237.65*	
		For 1-1/4" Mesh Fabric, Add	*152.97*	
		For 1-3/4" Mesh Fabric, Add	*95.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.53*	
		For Gate With Single Barb Wire Arm, Add	*60.10*	
		For Gate With Double Barb Wire Arm, Add	*87.41*	
32 31 13 13-0441	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	846.67	63.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-122.92*	
		For 1" Mesh Fabric, Add	*285.18*	
		For 1-1/4" Mesh Fabric, Add	*183.56*	
		For 1-3/4" Mesh Fabric, Add	*114.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.04*	
		For Gate With Single Barb Wire Arm, Add	*72.11*	
		For Gate With Double Barb Wire Arm, Add	*104.89*	
32 31 13 13-0442	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	971.84	68.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.41*	
		For 1" Mesh Fabric, Add	*332.71*	
		For 1-1/4" Mesh Fabric, Add	*214.16*	
		For 1-3/4" Mesh Fabric, Add	*133.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.54*	
		For Gate With Single Barb Wire Arm, Add	*84.13*	
		For Gate With Double Barb Wire Arm, Add	*122.37*	
32 31 13 13-0443	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,136.93	87.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-163.90*	
		For 1" Mesh Fabric, Add	*380.24*	
		For 1-1/4" Mesh Fabric, Add	*244.75*	
		For 1-3/4" Mesh Fabric, Add	*152.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.05*	
		For Gate With Single Barb Wire Arm, Add	*96.15*	
		For Gate With Double Barb Wire Arm, Add	*139.86*	
32 31 13 13-0444	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,264.97	93.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-184.38*	
		For 1" Mesh Fabric, Add	*427.77*	
		For 1-1/4" Mesh Fabric, Add	*275.34*	
		For 1-3/4" Mesh Fabric, Add	*171.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.55*	
		For Gate With Single Barb Wire Arm, Add	*108.17*	
		For Gate With Double Barb Wire Arm, Add	*157.34*	
32 31 13 13-0445	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,395.90	101.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-204.87*	
		For 1" Mesh Fabric, Add	*475.30*	
		For 1-1/4" Mesh Fabric, Add	*305.94*	
		For 1-3/4" Mesh Fabric, Add	*190.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-95.06*	
		For Gate With Single Barb Wire Arm, Add	*120.19*	
		For Gate With Double Barb Wire Arm, Add	*174.82*	
32 31 13 13-0446	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,530.44	109.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-225.36*	
		For 1" Mesh Fabric, Add	*522.83*	
		For 1-1/4" Mesh Fabric, Add	*336.53*	
		For 1-3/4" Mesh Fabric, Add	*209.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.57*	
		For Gate With Single Barb Wire Arm, Add	*132.21*	
		For Gate With Double Barb Wire Arm, Add	*192.30*	
32 31 13 13-0447	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,669.56	119.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-245.84*	
		For 1" Mesh Fabric, Add	*570.35*	
		For 1-1/4" Mesh Fabric, Add	*367.12*	
		For 1-3/4" Mesh Fabric, Add	*228.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-114.07*	
		For Gate With Single Barb Wire Arm, Add	*144.23*	
		For Gate With Double Barb Wire Arm, Add	*209.79*	
32 31 13 13-0448	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,814.67	131.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.33*	
		For 1" Mesh Fabric, Add	*617.89*	
		For 1-1/4" Mesh Fabric, Add	*397.72*	
		For 1-3/4" Mesh Fabric, Add	*247.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.58*	
		For Gate With Single Barb Wire Arm, Add	*156.25*	
		For Gate With Double Barb Wire Arm, Add	*227.27*	
32 31 13 13-0449	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,967.74	145.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-286.82*	
		For 1" Mesh Fabric, Add	*665.42*	
		For 1-1/4" Mesh Fabric, Add	*428.31*	
		For 1-3/4" Mesh Fabric, Add	*266.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.08*	
		For Gate With Single Barb Wire Arm, Add	*168.27*	
		For Gate With Double Barb Wire Arm, Add	*244.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0450	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,131.75	164.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-307.30*	
		For 1" Mesh Fabric, Add	*712.94*	
		For 1-1/4" Mesh Fabric, Add	*458.91*	
		For 1-3/4" Mesh Fabric, Add	*285.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.59*	
		For Gate With Single Barb Wire Arm, Add	*180.28*	
		For Gate With Double Barb Wire Arm, Add	*262.23*	
32 31 13 13-0451		6' Fence Height *(32 31 13 13-0410)*		
32 31 13 13-0452	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	234.68	29.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.37*	
		For 1" Mesh Fabric, Add	*63.49*	
		For 1-1/4" Mesh Fabric, Add	*40.87*	
		For 1-3/4" Mesh Fabric, Add	*25.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.70*	
		For Gate With Single Barb Wire Arm, Add	*16.06*	
		For Gate With Double Barb Wire Arm, Add	*23.35*	
32 31 13 13-0453	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	283.34	29.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.49*	
		For 1" Mesh Fabric, Add	*84.66*	
		For 1-1/4" Mesh Fabric, Add	*54.49*	
		For 1-3/4" Mesh Fabric, Add	*33.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.93*	
		For Gate With Single Barb Wire Arm, Add	*21.41*	
		For Gate With Double Barb Wire Arm, Add	*31.14*	
32 31 13 13-0454	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	325.29	31.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.33*	
		For 1" Mesh Fabric, Add	*100.53*	
		For 1-1/4" Mesh Fabric, Add	*64.71*	
		For 1-3/4" Mesh Fabric, Add	*40.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.11*	
		For Gate With Single Barb Wire Arm, Add	*25.42*	
		For Gate With Double Barb Wire Arm, Add	*36.98*	
32 31 13 13-0455	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	381.46	37.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.18*	
		For 1" Mesh Fabric, Add	*116.41*	
		For 1-1/4" Mesh Fabric, Add	*74.93*	
		For 1-3/4" Mesh Fabric, Add	*46.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.28*	
		For Gate With Single Barb Wire Arm, Add	*29.44*	
		For Gate With Double Barb Wire Arm, Add	*42.82*	
32 31 13 13-0456	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	437.62	44.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.02*	
		For 1" Mesh Fabric, Add	*132.28*	
		For 1-1/4" Mesh Fabric, Add	*85.15*	
		For 1-3/4" Mesh Fabric, Add	*52.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.46*	
		For Gate With Single Barb Wire Arm, Add	*33.45*	
		For Gate With Double Barb Wire Arm, Add	*48.66*	
32 31 13 13-0457	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	492.73	50.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.86*	
		For 1" Mesh Fabric, Add	*148.16*	
		For 1-1/4" Mesh Fabric, Add	*95.37*	
		For 1-3/4" Mesh Fabric, Add	*59.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.63*	
		For Gate With Single Barb Wire Arm, Add	*37.46*	
		For Gate With Double Barb Wire Arm, Add	*54.49*	
32 31 13 13-0458	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	548.90	57.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-70.70*	
		For 1" Mesh Fabric, Add	*164.03*	
		For 1-1/4" Mesh Fabric, Add	*105.58*	
		For 1-3/4" Mesh Fabric, Add	*65.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.81*	
		For Gate With Single Barb Wire Arm, Add	*41.48*	
		For Gate With Double Barb Wire Arm, Add	*60.33*	
32 31 13 13-0459	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	605.05	63.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.54*	
		For 1" Mesh Fabric, Add	*179.90*	
		For 1-1/4" Mesh Fabric, Add	*115.80*	
		For 1-3/4" Mesh Fabric, Add	*71.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.98*	
		For Gate With Single Barb Wire Arm, Add	*45.49*	
		For Gate With Double Barb Wire Arm, Add	*66.17*	
32 31 13 13-0460	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	774.95	63.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.47*	
		For 1" Mesh Fabric, Add	*253.98*	
		For 1-1/4" Mesh Fabric, Add	*163.48*	
		For 1-3/4" Mesh Fabric, Add	*101.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.80*	
		For Gate With Single Barb Wire Arm, Add	*64.22*	
		For Gate With Double Barb Wire Arm, Add	*93.42*	
32 31 13 13-0461	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	907.63	68.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-131.37*	
		For 1" Mesh Fabric, Add	*304.77*	
		For 1-1/4" Mesh Fabric, Add	*196.18*	
		For 1-3/4" Mesh Fabric, Add	*121.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.95*	
		For Gate With Single Barb Wire Arm, Add	*77.07*	
		For Gate With Double Barb Wire Arm, Add	*112.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0462	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,099.00	93.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-153.26*	
		For 1" Mesh Fabric, Add	*355.57*	
		For 1-1/4" Mesh Fabric, Add	*228.87*	
		For 1-3/4" Mesh Fabric, Add	*142.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-71.11*	
		For Gate With Single Barb Wire Arm, Add	*89.91*	
		For Gate With Double Barb Wire Arm, Add	*130.78*	
32 31 13 13-0463	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,237.43	101.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.16*	
		For 1" Mesh Fabric, Add	*406.36*	
		For 1-1/4" Mesh Fabric, Add	*261.57*	
		For 1-3/4" Mesh Fabric, Add	*162.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.27*	
		For Gate With Single Barb Wire Arm, Add	*102.76*	
		For Gate With Double Barb Wire Arm, Add	*149.47*	
32 31 13 13-0464	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,379.48	109.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.05*	
		For 1" Mesh Fabric, Add	*457.16*	
		For 1-1/4" Mesh Fabric, Add	*294.26*	
		For 1-3/4" Mesh Fabric, Add	*182.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.43*	
		For Gate With Single Barb Wire Arm, Add	*115.60*	
		For Gate With Double Barb Wire Arm, Add	*168.15*	
32 31 13 13-0465	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,547.70	119.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.99*	
		For 1" Mesh Fabric, Add	*517.35*	
		For 1-1/4" Mesh Fabric, Add	*333.00*	
		For 1-3/4" Mesh Fabric, Add	*206.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.47*	
		For Gate With Single Barb Wire Arm, Add	*130.82*	
		For Gate With Double Barb Wire Arm, Add	*190.29*	
32 31 13 13-0466	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,682.64	131.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.58*	
		For 1" Mesh Fabric, Add	*560.45*	
		For 1-1/4" Mesh Fabric, Add	*360.75*	
		For 1-3/4" Mesh Fabric, Add	*224.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.09*	
		For Gate With Single Barb Wire Arm, Add	*141.72*	
		For Gate With Double Barb Wire Arm, Add	*206.14*	
32 31 13 13-0467	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,839.31	145.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-262.74*	
		For 1" Mesh Fabric, Add	*609.55*	
		For 1-1/4" Mesh Fabric, Add	*392.35*	
		For 1-3/4" Mesh Fabric, Add	*243.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.91*	
		For Gate With Single Barb Wire Arm, Add	*154.14*	
		For Gate With Double Barb Wire Arm, Add	*224.20*	
32 31 13 13-0468	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,010.83	164.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.63*	
		For 1" Mesh Fabric, Add	*660.34*	
		For 1-1/4" Mesh Fabric, Add	*425.05*	
		For 1-3/4" Mesh Fabric, Add	*264.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-132.07*	
		For Gate With Single Barb Wire Arm, Add	*166.98*	
		For Gate With Double Barb Wire Arm, Add	*242.88*	
32 31 13 13-0469	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,198.00	187.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.53*	
		For 1" Mesh Fabric, Add	*711.14*	
		For 1-1/4" Mesh Fabric, Add	*457.74*	
		For 1-3/4" Mesh Fabric, Add	*284.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.23*	
		For Gate With Single Barb Wire Arm, Add	*179.83*	
		For Gate With Double Barb Wire Arm, Add	*261.57*	
32 31 13 13-0470	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,408.64	218.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-328.42*	
		For 1" Mesh Fabric, Add	*761.93*	
		For 1-1/4" Mesh Fabric, Add	*490.44*	
		For 1-3/4" Mesh Fabric, Add	*304.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-152.39*	
		For Gate With Single Barb Wire Arm, Add	*192.67*	
		For Gate With Double Barb Wire Arm, Add	*280.25*	

32 31 13 13-0471 7' Fence Height *(32 31 13 13-0410)*

32 31 13 13-0472	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	248.85	31.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-28.75*	
		For 1" Mesh Fabric, Add	*66.69*	
		For 1-1/4" Mesh Fabric, Add	*42.93*	
		For 1-3/4" Mesh Fabric, Add	*26.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.34*	
		For Gate With Single Barb Wire Arm, Add	*16.86*	
		For Gate With Double Barb Wire Arm, Add	*24.53*	
32 31 13 13-0473	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	299.96	31.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.33*	
		For 1" Mesh Fabric, Add	*88.92*	
		For 1-1/4" Mesh Fabric, Add	*57.24*	
		For 1-3/4" Mesh Fabric, Add	*35.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.78*	
		For Gate With Single Barb Wire Arm, Add	*22.49*	
		For Gate With Double Barb Wire Arm, Add	*32.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0474	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	343.15	33.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.52*	
		For 1" Mesh Fabric, Add	*105.60*	
		For 1-1/4" Mesh Fabric, Add	*67.97*	
		For 1-3/4" Mesh Fabric, Add	*42.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.12*	
		For Gate With Single Barb Wire Arm, Add	*26.70*	
		For Gate With Double Barb Wire Arm, Add	*38.84*	
32 31 13 13-0475	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	403.21	40.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-52.70*	
		For 1" Mesh Fabric, Add	*122.27*	
		For 1-1/4" Mesh Fabric, Add	*78.70*	
		For 1-3/4" Mesh Fabric, Add	*48.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.45*	
		For Gate With Single Barb Wire Arm, Add	*30.92*	
		For Gate With Double Barb Wire Arm, Add	*44.97*	
32 31 13 13-0476	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	462.25	47.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.89*	
		For 1" Mesh Fabric, Add	*138.95*	
		For 1-1/4" Mesh Fabric, Add	*89.44*	
		For 1-3/4" Mesh Fabric, Add	*55.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.79*	
		For Gate With Single Barb Wire Arm, Add	*35.14*	
		For Gate With Double Barb Wire Arm, Add	*51.11*	
32 31 13 13-0477	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	522.32	54.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.08*	
		For 1" Mesh Fabric, Add	*155.62*	
		For 1-1/4" Mesh Fabric, Add	*100.17*	
		For 1-3/4" Mesh Fabric, Add	*62.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.12*	
		For Gate With Single Barb Wire Arm, Add	*39.35*	
		For Gate With Double Barb Wire Arm, Add	*57.24*	
32 31 13 13-0478	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	581.33	61.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-74.26*	
		For 1" Mesh Fabric, Add	*172.29*	
		For 1-1/4" Mesh Fabric, Add	*110.90*	
		For 1-3/4" Mesh Fabric, Add	*68.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.46*	
		For Gate With Single Barb Wire Arm, Add	*43.57*	
		For Gate With Double Barb Wire Arm, Add	*63.37*	
32 31 13 13-0479	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	641.41	68.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.45*	
		For 1" Mesh Fabric, Add	*188.97*	
		For 1-1/4" Mesh Fabric, Add	*121.63*	
		For 1-3/4" Mesh Fabric, Add	*75.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.79*	
		For Gate With Single Barb Wire Arm, Add	*47.79*	
		For Gate With Double Barb Wire Arm, Add	*69.51*	
32 31 13 13-0480	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	820.27	68.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-114.99*	
		For 1" Mesh Fabric, Add	*266.77*	
		For 1-1/4" Mesh Fabric, Add	*171.72*	
		For 1-3/4" Mesh Fabric, Add	*106.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.35*	
		For Gate With Single Barb Wire Arm, Add	*67.46*	
		For Gate With Double Barb Wire Arm, Add	*98.12*	
32 31 13 13-0481	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,017.51	93.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.98*	
		For 1" Mesh Fabric, Add	*320.12*	
		For 1-1/4" Mesh Fabric, Add	*206.05*	
		For 1-3/4" Mesh Fabric, Add	*128.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.02*	
		For Gate With Single Barb Wire Arm, Add	*80.95*	
		For Gate With Double Barb Wire Arm, Add	*117.75*	
32 31 13 13-0482	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,161.84	101.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-160.98*	
		For 1" Mesh Fabric, Add	*373.48*	
		For 1-1/4" Mesh Fabric, Add	*240.40*	
		For 1-3/4" Mesh Fabric, Add	*149.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.70*	
		For Gate With Single Barb Wire Arm, Add	*94.44*	
		For Gate With Double Barb Wire Arm, Add	*137.37*	
32 31 13 13-0483	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,309.75	109.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-183.98*	
		For 1" Mesh Fabric, Add	*426.83*	
		For 1-1/4" Mesh Fabric, Add	*274.74*	
		For 1-3/4" Mesh Fabric, Add	*170.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.37*	
		For Gate With Single Barb Wire Arm, Add	*107.93*	
		For Gate With Double Barb Wire Arm, Add	*156.99*	
32 31 13 13-0484	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,462.28	119.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-206.98*	
		For 1" Mesh Fabric, Add	*480.19*	
		For 1-1/4" Mesh Fabric, Add	*309.09*	
		For 1-3/4" Mesh Fabric, Add	*192.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.04*	
		For Gate With Single Barb Wire Arm, Add	*121.43*	
		For Gate With Double Barb Wire Arm, Add	*176.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0485	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,620.75	131.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-229.97*	
		For 1" Mesh Fabric, Add	*533.53*	
		For 1-1/4" Mesh Fabric, Add	*343.42*	
		For 1-3/4" Mesh Fabric, Add	*213.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-106.71*	
		For Gate With Single Barb Wire Arm, Add	*134.92*	
		For Gate With Double Barb Wire Arm, Add	*196.24*	
32 31 13 13-0486	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,787.20	145.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-252.97*	
		For 1" Mesh Fabric, Add	*586.88*	
		For 1-1/4" Mesh Fabric, Add	*377.76*	
		For 1-3/4" Mesh Fabric, Add	*234.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.38*	
		For Gate With Single Barb Wire Arm, Add	*148.41*	
		For Gate With Double Barb Wire Arm, Add	*215.86*	
32 31 13 13-0487	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,964.62	164.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-275.97*	
		For 1" Mesh Fabric, Add	*640.24*	
		For 1-1/4" Mesh Fabric, Add	*412.11*	
		For 1-3/4" Mesh Fabric, Add	*256.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-128.05*	
		For Gate With Single Barb Wire Arm, Add	*161.90*	
		For Gate With Double Barb Wire Arm, Add	*235.49*	
32 31 13 13-0488	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,157.68	187.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-298.97*	
		For 1" Mesh Fabric, Add	*693.60*	
		For 1-1/4" Mesh Fabric, Add	*446.45*	
		For 1-3/4" Mesh Fabric, Add	*277.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-138.72*	
		For Gate With Single Barb Wire Arm, Add	*175.39*	
		For Gate With Double Barb Wire Arm, Add	*255.12*	
32 31 13 13-0489	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,374.19	218.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-321.96*	
		For 1" Mesh Fabric, Add	*746.95*	
		For 1-1/4" Mesh Fabric, Add	*480.79*	
		For 1-3/4" Mesh Fabric, Add	*298.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-149.39*	
		For Gate With Single Barb Wire Arm, Add	*188.88*	
		For Gate With Double Barb Wire Arm, Add	*274.74*	
32 31 13 13-0490	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,628.27	262.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-344.96*	
		For 1" Mesh Fabric, Add	*800.31*	
		For 1-1/4" Mesh Fabric, Add	*515.14*	
		For 1-3/4" Mesh Fabric, Add	*320.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-160.06*	
		For Gate With Single Barb Wire Arm, Add	*202.38*	
		For Gate With Double Barb Wire Arm, Add	*294.37*	

32 31 13 13-0491 8' Fence Height *(32 31 13 13-0410)*

32 31 13 13-0492	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	289.32	34.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.84*	
		For 1" Mesh Fabric, Add	*80.83*	
		For 1-1/4" Mesh Fabric, Add	*52.03*	
		For 1-3/4" Mesh Fabric, Add	*32.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.17*	
		For Gate With Single Barb Wire Arm, Add	*20.44*	
		For Gate With Double Barb Wire Arm, Add	*29.73*	
32 31 13 13-0493	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	351.27	34.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.46*	
		For 1" Mesh Fabric, Add	*107.78*	
		For 1-1/4" Mesh Fabric, Add	*69.38*	
		For 1-3/4" Mesh Fabric, Add	*43.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.56*	
		For Gate With Single Barb Wire Arm, Add	*27.25*	
		For Gate With Double Barb Wire Arm, Add	*39.64*	
32 31 13 13-0494	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	392.56	34.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.20*	
		For 1" Mesh Fabric, Add	*125.74*	
		For 1-1/4" Mesh Fabric, Add	*80.94*	
		For 1-3/4" Mesh Fabric, Add	*50.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.15*	
		For Gate With Single Barb Wire Arm, Add	*31.80*	
		For Gate With Double Barb Wire Arm, Add	*46.25*	
32 31 13 13-0495	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	460.77	43.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.94*	
		For 1" Mesh Fabric, Add	*143.71*	
		For 1-1/4" Mesh Fabric, Add	*92.50*	
		For 1-3/4" Mesh Fabric, Add	*57.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.74*	
		For Gate With Single Barb Wire Arm, Add	*36.34*	
		For Gate With Double Barb Wire Arm, Add	*52.86*	
32 31 13 13-0496	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	528.98	52.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.69*	
		For 1" Mesh Fabric, Add	*161.67*	
		For 1-1/4" Mesh Fabric, Add	*104.06*	
		For 1-3/4" Mesh Fabric, Add	*64.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.33*	
		For Gate With Single Barb Wire Arm, Add	*40.88*	
		For Gate With Double Barb Wire Arm, Add	*59.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0497	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	596.15	60.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.43*	
		For 1" Mesh Fabric, Add	*179.63*	
		For 1-1/4" Mesh Fabric, Add	*115.63*	
		For 1-3/4" Mesh Fabric, Add	*71.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.93*	
		For Gate With Single Barb Wire Arm, Add	*45.42*	
		For Gate With Double Barb Wire Arm, Add	*66.07*	
32 31 13 13-0498	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	664.35	69.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.17*	
		For 1" Mesh Fabric, Add	*197.59*	
		For 1-1/4" Mesh Fabric, Add	*127.19*	
		For 1-3/4" Mesh Fabric, Add	*79.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.52*	
		For Gate With Single Barb Wire Arm, Add	*49.97*	
		For Gate With Double Barb Wire Arm, Add	*72.68*	
32 31 13 13-0499	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	732.55	78.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.91*	
		For 1" Mesh Fabric, Add	*215.56*	
		For 1-1/4" Mesh Fabric, Add	*138.75*	
		For 1-3/4" Mesh Fabric, Add	*86.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-43.11*	
		For Gate With Single Barb Wire Arm, Add	*54.51*	
		For Gate With Double Barb Wire Arm, Add	*79.29*	
32 31 13 13-0500	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,024.90	93.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.37*	
		For 1" Mesh Fabric, Add	*323.34*	
		For 1-1/4" Mesh Fabric, Add	*208.12*	
		For 1-3/4" Mesh Fabric, Add	*129.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.67*	
		For Gate With Single Barb Wire Arm, Add	*81.76*	
		For Gate With Double Barb Wire Arm, Add	*118.93*	
32 31 13 13-0501	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,195.22	101.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-167.24*	
		For 1" Mesh Fabric, Add	*388.00*	
		For 1-1/4" Mesh Fabric, Add	*249.75*	
		For 1-3/4" Mesh Fabric, Add	*155.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.60*	
		For Gate With Single Barb Wire Arm, Add	*98.12*	
		For Gate With Double Barb Wire Arm, Add	*142.71*	
32 31 13 13-0502	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,369.16	109.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-195.12*	
		For 1" Mesh Fabric, Add	*452.67*	
		For 1-1/4" Mesh Fabric, Add	*291.37*	
		For 1-3/4" Mesh Fabric, Add	*181.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.53*	
		For Gate With Single Barb Wire Arm, Add	*114.47*	
		For Gate With Double Barb Wire Arm, Add	*166.50*	
32 31 13 13-0503	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,547.68	119.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.99*	
		For 1" Mesh Fabric, Add	*517.34*	
		For 1-1/4" Mesh Fabric, Add	*333.00*	
		For 1-3/4" Mesh Fabric, Add	*206.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.47*	
		For Gate With Single Barb Wire Arm, Add	*130.82*	
		For Gate With Double Barb Wire Arm, Add	*190.28*	
32 31 13 13-0504	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,732.18	131.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-250.86*	
		For 1" Mesh Fabric, Add	*582.00*	
		For 1-1/4" Mesh Fabric, Add	*374.62*	
		For 1-3/4" Mesh Fabric, Add	*232.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.40*	
		For Gate With Single Barb Wire Arm, Add	*147.17*	
		For Gate With Double Barb Wire Arm, Add	*214.07*	
32 31 13 13-0505	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,924.65	145.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-278.74*	
		For 1" Mesh Fabric, Add	*646.67*	
		For 1-1/4" Mesh Fabric, Add	*416.25*	
		For 1-3/4" Mesh Fabric, Add	*258.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.33*	
		For Gate With Single Barb Wire Arm, Add	*163.53*	
		For Gate With Double Barb Wire Arm, Add	*237.86*	
32 31 13 13-0506	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,128.06	164.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.61*	
		For 1" Mesh Fabric, Add	*711.34*	
		For 1-1/4" Mesh Fabric, Add	*457.87*	
		For 1-3/4" Mesh Fabric, Add	*284.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.27*	
		For Gate With Single Barb Wire Arm, Add	*179.88*	
		For Gate With Double Barb Wire Arm, Add	*261.64*	
32 31 13 13-0507	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,347.12	187.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-334.49*	
		For 1" Mesh Fabric, Add	*776.01*	
		For 1-1/4" Mesh Fabric, Add	*499.50*	
		For 1-3/4" Mesh Fabric, Add	*310.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-155.20*	
		For Gate With Single Barb Wire Arm, Add	*196.23*	
		For Gate With Double Barb Wire Arm, Add	*285.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0508	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,589.65	218.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-362.36*	
		For 1" Mesh Fabric, Add	*840.67*	
		For 1-1/4" Mesh Fabric, Add	*541.12*	
		For 1-3/4" Mesh Fabric, Add	*336.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.13*	
		For Gate With Single Barb Wire Arm, Add	*212.58*	
		For Gate With Double Barb Wire Arm, Add	*309.21*	
32 31 13 13-0509	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,869.72	262.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-390.23*	
		For 1" Mesh Fabric, Add	*905.34*	
		For 1-1/4" Mesh Fabric, Add	*582.75*	
		For 1-3/4" Mesh Fabric, Add	*362.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-181.07*	
		For Gate With Single Barb Wire Arm, Add	*228.94*	
		For Gate With Double Barb Wire Arm, Add	*333.00*	
32 31 13 13-0510	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,215.51	328.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.11*	
		For 1" Mesh Fabric, Add	*970.01*	
		For 1-1/4" Mesh Fabric, Add	*624.37*	
		For 1-3/4" Mesh Fabric, Add	*388.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.00*	
		For Gate With Single Barb Wire Arm, Add	*245.29*	
		For Gate With Double Barb Wire Arm, Add	*356.78*	
32 31 13 13-0511		**10' Fence Height** *(32 31 13 13-0410)*		
32 31 13 13-0512	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	330.56	38.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.42*	
		For 1" Mesh Fabric, Add	*93.77*	
		For 1-1/4" Mesh Fabric, Add	*60.36*	
		For 1-3/4" Mesh Fabric, Add	*37.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.75*	
		For Gate With Single Barb Wire Arm, Add	*23.71*	
		For Gate With Double Barb Wire Arm, Add	*34.49*	
32 31 13 13-0513	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	402.42	38.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.89*	
		For 1" Mesh Fabric, Add	*125.03*	
		For 1-1/4" Mesh Fabric, Add	*80.48*	
		For 1-3/4" Mesh Fabric, Add	*50.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.01*	
		For Gate With Single Barb Wire Arm, Add	*31.62*	
		For Gate With Double Barb Wire Arm, Add	*45.99*	
32 31 13 13-0514	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	455.39	39.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.87*	
		For 1" Mesh Fabric, Add	*145.87*	
		For 1-1/4" Mesh Fabric, Add	*93.89*	
		For 1-3/4" Mesh Fabric, Add	*58.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.17*	
		For Gate With Single Barb Wire Arm, Add	*36.89*	
		For Gate With Double Barb Wire Arm, Add	*53.65*	
32 31 13 13-0515	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	532.26	49.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.86*	
		For 1" Mesh Fabric, Add	*166.71*	
		For 1-1/4" Mesh Fabric, Add	*107.30*	
		For 1-3/4" Mesh Fabric, Add	*66.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.34*	
		For Gate With Single Barb Wire Arm, Add	*42.16*	
		For Gate With Double Barb Wire Arm, Add	*61.32*	
32 31 13 13-0516	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	608.12	58.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.84*	
		For 1" Mesh Fabric, Add	*187.54*	
		For 1-1/4" Mesh Fabric, Add	*120.72*	
		For 1-3/4" Mesh Fabric, Add	*75.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.51*	
		For Gate With Single Barb Wire Arm, Add	*47.42*	
		For Gate With Double Barb Wire Arm, Add	*68.98*	
32 31 13 13-0517	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	685.01	68.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.82*	
		For 1" Mesh Fabric, Add	*208.39*	
		For 1-1/4" Mesh Fabric, Add	*134.13*	
		For 1-3/4" Mesh Fabric, Add	*83.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.68*	
		For Gate With Single Barb Wire Arm, Add	*52.70*	
		For Gate With Double Barb Wire Arm, Add	*76.65*	
32 31 13 13-0518	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	760.85	77.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.80*	
		For 1" Mesh Fabric, Add	*229.22*	
		For 1-1/4" Mesh Fabric, Add	*147.55*	
		For 1-3/4" Mesh Fabric, Add	*91.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.84*	
		For Gate With Single Barb Wire Arm, Add	*57.96*	
		For Gate With Double Barb Wire Arm, Add	*84.31*	
32 31 13 13-0519	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	837.75	87.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.78*	
		For 1" Mesh Fabric, Add	*250.06*	
		For 1-1/4" Mesh Fabric, Add	*160.96*	
		For 1-3/4" Mesh Fabric, Add	*100.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.01*	
		For Gate With Single Barb Wire Arm, Add	*63.23*	
		For Gate With Double Barb Wire Arm, Add	*91.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0520	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,175.16	104.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.68*	
		For 1" Mesh Fabric, Add	*375.09*	
		For 1-1/4" Mesh Fabric, Add	*241.44*	
		For 1-3/4" Mesh Fabric, Add	*150.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.02*	
		For Gate With Single Barb Wire Arm, Add	*94.85*	
		For Gate With Double Barb Wire Arm, Add	*137.96*	
32 31 13 13-0521	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,371.56	112.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-194.01*	
		For 1" Mesh Fabric, Add	*450.10*	
		For 1-1/4" Mesh Fabric, Add	*289.72*	
		For 1-3/4" Mesh Fabric, Add	*180.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.02*	
		For Gate With Single Barb Wire Arm, Add	*113.82*	
		For Gate With Double Barb Wire Arm, Add	*165.56*	
32 31 13 13-0522	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,572.21	121.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.34*	
		For 1" Mesh Fabric, Add	*525.12*	
		For 1-1/4" Mesh Fabric, Add	*338.01*	
		For 1-3/4" Mesh Fabric, Add	*210.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.02*	
		For Gate With Single Barb Wire Arm, Add	*132.79*	
		For Gate With Double Barb Wire Arm, Add	*193.15*	
32 31 13 13-0523	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,777.69	132.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-258.68*	
		For 1" Mesh Fabric, Add	*600.13*	
		For 1-1/4" Mesh Fabric, Add	*386.29*	
		For 1-3/4" Mesh Fabric, Add	*240.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-120.03*	
		For Gate With Single Barb Wire Arm, Add	*151.76*	
		For Gate With Double Barb Wire Arm, Add	*220.74*	
32 31 13 13-0524	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,990.13	145.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-291.02*	
		For 1" Mesh Fabric, Add	*675.15*	
		For 1-1/4" Mesh Fabric, Add	*434.58*	
		For 1-3/4" Mesh Fabric, Add	*270.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.03*	
		For Gate With Single Barb Wire Arm, Add	*170.73*	
		For Gate With Double Barb Wire Arm, Add	*248.33*	
32 31 13 13-0525	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,211.01	162.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-323.35*	
		For 1" Mesh Fabric, Add	*750.17*	
		For 1-1/4" Mesh Fabric, Add	*482.87*	
		For 1-3/4" Mesh Fabric, Add	*300.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-150.03*	
		For Gate With Single Barb Wire Arm, Add	*189.70*	
		For Gate With Double Barb Wire Arm, Add	*275.92*	
32 31 13 13-0526	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,444.54	182.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-355.68*	
		For 1" Mesh Fabric, Add	*825.19*	
		For 1-1/4" Mesh Fabric, Add	*531.15*	
		For 1-3/4" Mesh Fabric, Add	*330.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.04*	
		For Gate With Single Barb Wire Arm, Add	*208.67*	
		For Gate With Double Barb Wire Arm, Add	*303.52*	
32 31 13 13-0527	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,694.82	208.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-388.02*	
		For 1" Mesh Fabric, Add	*900.21*	
		For 1-1/4" Mesh Fabric, Add	*579.44*	
		For 1-3/4" Mesh Fabric, Add	*360.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-180.04*	
		For Gate With Single Barb Wire Arm, Add	*227.64*	
		For Gate With Double Barb Wire Arm, Add	*331.11*	
32 31 13 13-0528	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,971.97	243.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-420.35*	
		For 1" Mesh Fabric, Add	*975.22*	
		For 1-1/4" Mesh Fabric, Add	*627.73*	
		For 1-3/4" Mesh Fabric, Add	*390.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-195.04*	
		For Gate With Single Barb Wire Arm, Add	*246.61*	
		For Gate With Double Barb Wire Arm, Add	*358.70*	
32 31 13 13-0529	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,289.65	291.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-452.69*	
		For 1" Mesh Fabric, Add	*1,050.24*	
		For 1-1/4" Mesh Fabric, Add	*676.02*	
		For 1-3/4" Mesh Fabric, Add	*420.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-210.05*	
		For Gate With Single Barb Wire Arm, Add	*265.58*	
		For Gate With Double Barb Wire Arm, Add	*386.29*	
32 31 13 13-0530	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,681.91	364.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-485.03*	
		For 1" Mesh Fabric, Add	*1,125.26*	
		For 1-1/4" Mesh Fabric, Add	*724.30*	
		For 1-3/4" Mesh Fabric, Add	*450.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-225.05*	
		For Gate With Single Barb Wire Arm, Add	*284.55*	
		For Gate With Double Barb Wire Arm, Add	*413.89*	

32 31 13 13-0531 12' Fence Height *(32 31 13 13-0410)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0532	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	428.41	42.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.37*	
		For 1" Mesh Fabric, Add	*130.77*	
		For 1-1/4" Mesh Fabric, Add	*84.18*	
		For 1-3/4" Mesh Fabric, Add	*52.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.15*	
		For Gate With Single Barb Wire Arm, Add	*33.07*	
		For Gate With Double Barb Wire Arm, Add	*48.10*	
32 31 13 13-0533	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	528.34	42.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.11*	
		For 1" Mesh Fabric, Add	*174.24*	
		For 1-1/4" Mesh Fabric, Add	*112.16*	
		For 1-3/4" Mesh Fabric, Add	*69.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.85*	
		For Gate With Single Barb Wire Arm, Add	*44.06*	
		For Gate With Double Barb Wire Arm, Add	*64.09*	
32 31 13 13-0534	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	607.37	44.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.04*	
		For 1" Mesh Fabric, Add	*206.58*	
		For 1-1/4" Mesh Fabric, Add	*132.97*	
		For 1-3/4" Mesh Fabric, Add	*82.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.32*	
		For Gate With Single Barb Wire Arm, Add	*52.24*	
		For Gate With Double Barb Wire Arm, Add	*75.98*	
32 31 13 13-0535	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	701.41	54.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-100.66*	
		For 1" Mesh Fabric, Add	*233.53*	
		For 1-1/4" Mesh Fabric, Add	*150.32*	
		For 1-3/4" Mesh Fabric, Add	*93.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.71*	
		For Gate With Single Barb Wire Arm, Add	*59.05*	
		For Gate With Double Barb Wire Arm, Add	*85.89*	
32 31 13 13-0536	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	802.32	65.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.56*	
		For 1" Mesh Fabric, Add	*263.46*	
		For 1-1/4" Mesh Fabric, Add	*169.58*	
		For 1-3/4" Mesh Fabric, Add	*105.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.69*	
		For Gate With Single Barb Wire Arm, Add	*66.62*	
		For Gate With Double Barb Wire Arm, Add	*96.91*	
32 31 13 13-0537	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	902.19	75.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.47*	
		For 1" Mesh Fabric, Add	*293.40*	
		For 1-1/4" Mesh Fabric, Add	*188.85*	
		For 1-3/4" Mesh Fabric, Add	*117.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.68*	
		For Gate With Single Barb Wire Arm, Add	*74.19*	
		For Gate With Double Barb Wire Arm, Add	*107.92*	
32 31 13 13-0538	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,003.10	86.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.37*	
		For 1" Mesh Fabric, Add	*323.34*	
		For 1-1/4" Mesh Fabric, Add	*208.13*	
		For 1-3/4" Mesh Fabric, Add	*129.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.67*	
		For Gate With Single Barb Wire Arm, Add	*81.76*	
		For Gate With Double Barb Wire Arm, Add	*118.93*	
32 31 13 13-0539	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,097.13	97.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-150.98*	
		For 1" Mesh Fabric, Add	*350.28*	
		For 1-1/4" Mesh Fabric, Add	*225.47*	
		For 1-3/4" Mesh Fabric, Add	*140.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.06*	
		For Gate With Single Barb Wire Arm, Add	*88.58*	
		For Gate With Double Barb Wire Arm, Add	*128.84*	
32 31 13 13-0540	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,555.00	115.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.40*	
		For 1" Mesh Fabric, Add	*525.25*	
		For 1-1/4" Mesh Fabric, Add	*338.09*	
		For 1-3/4" Mesh Fabric, Add	*210.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.05*	
		For Gate With Single Barb Wire Arm, Add	*132.82*	
		For Gate With Double Barb Wire Arm, Add	*193.20*	
32 31 13 13-0541	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,862.46	124.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-279.05*	
		For 1" Mesh Fabric, Add	*647.40*	
		For 1-1/4" Mesh Fabric, Add	*416.72*	
		For 1-3/4" Mesh Fabric, Add	*258.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.48*	
		For Gate With Single Barb Wire Arm, Add	*163.71*	
		For Gate With Double Barb Wire Arm, Add	*238.12*	
32 31 13 13-0542	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,143.29	135.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-325.82*	
		For 1" Mesh Fabric, Add	*755.90*	
		For 1-1/4" Mesh Fabric, Add	*486.55*	
		For 1-3/4" Mesh Fabric, Add	*302.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-151.18*	
		For Gate With Single Barb Wire Arm, Add	*191.15*	
		For Gate With Double Barb Wire Arm, Add	*278.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0543	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,427.83	147.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-372.27*	
		For 1" Mesh Fabric, Add	*863.68*	
		For 1-1/4" Mesh Fabric, Add	*555.93*	
		For 1-3/4" Mesh Fabric, Add	*345.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-172.74*	
		For Gate With Single Barb Wire Arm, Add	*218.40*	
		For Gate With Double Barb Wire Arm, Add	*317.67*	
32 31 13 13-0544	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,716.64	162.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.11*	
		For 1" Mesh Fabric, Add	*970.02*	
		For 1-1/4" Mesh Fabric, Add	*624.38*	
		For 1-3/4" Mesh Fabric, Add	*388.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.00*	
		For Gate With Single Barb Wire Arm, Add	*245.29*	
		For Gate With Double Barb Wire Arm, Add	*356.79*	
32 31 13 13-0545	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,018.05	180.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-464.57*	
		For 1" Mesh Fabric, Add	*1,077.80*	
		For 1-1/4" Mesh Fabric, Add	*693.76*	
		For 1-3/4" Mesh Fabric, Add	*431.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-215.56*	
		For Gate With Single Barb Wire Arm, Add	*272.55*	
		For Gate With Double Barb Wire Arm, Add	*396.43*	
32 31 13 13-0546	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,333.87	202.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-511.03*	
		For 1" Mesh Fabric, Add	*1,185.58*	
		For 1-1/4" Mesh Fabric, Add	*763.13*	
		For 1-3/4" Mesh Fabric, Add	*474.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-237.12*	
		For Gate With Single Barb Wire Arm, Add	*299.80*	
		For Gate With Double Barb Wire Arm, Add	*436.08*	
32 31 13 13-0547	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,668.11	231.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-557.48*	
		For 1" Mesh Fabric, Add	*1,293.36*	
		For 1-1/4" Mesh Fabric, Add	*832.51*	
		For 1-3/4" Mesh Fabric, Add	*517.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-258.67*	
		For Gate With Single Barb Wire Arm, Add	*327.06*	
		For Gate With Double Barb Wire Arm, Add	*475.72*	
32 31 13 13-0548	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,040.46	270.18
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-605.49*	
		For 1" Mesh Fabric, Add	*1,404.73*	
		For 1-1/4" Mesh Fabric, Add	*904.20*	
		For 1-3/4" Mesh Fabric, Add	*561.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-280.95*	
		For Gate With Single Barb Wire Arm, Add	*355.22*	
		For Gate With Double Barb Wire Arm, Add	*516.68*	
32 31 13 13-0549	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,449.61	323.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-651.95*	
		For 1" Mesh Fabric, Add	*1,512.51*	
		For 1-1/4" Mesh Fabric, Add	*973.57*	
		For 1-3/4" Mesh Fabric, Add	*605.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-302.50*	
		For Gate With Single Barb Wire Arm, Add	*382.47*	
		For Gate With Double Barb Wire Arm, Add	*556.33*	
32 31 13 13-0550	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,941.60	405.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-698.40*	
		For 1" Mesh Fabric, Add	*1,620.29*	
		For 1-1/4" Mesh Fabric, Add	*1,042.95*	
		For 1-3/4" Mesh Fabric, Add	*648.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-324.06*	
		For Gate With Single Barb Wire Arm, Add	*409.73*	
		For Gate With Double Barb Wire Arm, Add	*595.97*	

32 31 13 13-0551 Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0268)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0647 for additonal gate accessories, 32 31 13 13-0730 for gate repacement parts.

32 31 13 13-0552 4' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*

32 31 13 13-0553	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,257.86	399.91
		For 1" Mesh Fabric, Add	*1,069.22*	
		For 1-1/4" Mesh Fabric, Add	*688.23*	
		For 1-3/4" Mesh Fabric, Add	*427.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-213.84*	
		For Gate With Barb Wire Arm, Add	*270.38*	
		For Vinyl Coated, Add	*737.39*	
32 31 13 13-0554	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,915.10	482.83
		For 1" Mesh Fabric, Add	*1,283.07*	
		For 1-1/4" Mesh Fabric, Add	*825.88*	
		For 1-3/4" Mesh Fabric, Add	*513.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-256.61*	
		For Gate With Barb Wire Arm, Add	*324.45*	
		For Vinyl Coated, Add	*884.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0555	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,567.84	563.27
		For 1" Mesh Fabric, Add	*1,496.91*	
		For 1-1/4" Mesh Fabric, Add	*963.53*	
		For 1-3/4" Mesh Fabric, Add	*598.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.38*	
		For Gate With Barb Wire Arm, Add	*378.53*	
		For Vinyl Coated, Add	*1,032.35*	
32 31 13 13-0556	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,227.58	647.42
		For 1" Mesh Fabric, Add	*1,710.76*	
		For 1-1/4" Mesh Fabric, Add	*1,101.18*	
		For 1-3/4" Mesh Fabric, Add	*684.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-342.15*	
		For Gate With Barb Wire Arm, Add	*432.61*	
		For Vinyl Coated, Add	*1,179.83*	
32 31 13 13-0557	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,881.08	728.36
		For 1" Mesh Fabric, Add	*1,924.61*	
		For 1-1/4" Mesh Fabric, Add	*1,238.83*	
		For 1-3/4" Mesh Fabric, Add	*769.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-384.92*	
		For Gate With Barb Wire Arm, Add	*486.68*	
		For Vinyl Coated, Add	*1,327.31*	
32 31 13 13-0558	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,519.63	801.78
		For 1" Mesh Fabric, Add	*2,138.45*	
		For 1-1/4" Mesh Fabric, Add	*1,376.47*	
		For 1-3/4" Mesh Fabric, Add	*855.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-427.69*	
		For Gate With Barb Wire Arm, Add	*540.76*	
		For Vinyl Coated, Add	*1,474.79*	
32 31 13 13-0559	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,786.92	965.52
		For 1" Mesh Fabric, Add	*2,547.31*	
		For 1-1/4" Mesh Fabric, Add	*1,639.65*	
		For 1-3/4" Mesh Fabric, Add	*1,018.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-509.46*	
		For Gate With Barb Wire Arm, Add	*644.15*	
		For Vinyl Coated, Add	*1,756.76*	
32 31 13 13-0560	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	11,018.94	1,822.50
		For 1" Mesh Fabric, Add	*3,207.67*	
		For 1-1/4" Mesh Fabric, Add	*2,064.71*	
		For 1-3/4" Mesh Fabric, Add	*1,283.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-641.53*	
		For Gate With Barb Wire Arm, Add	*811.14*	
		For Vinyl Coated, Add	*2,212.19*	
32 31 13 13-0561	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	14,691.92	2,430.00
		For 1" Mesh Fabric, Add	*4,276.89*	
		For 1-1/4" Mesh Fabric, Add	*2,752.94*	
		For 1-3/4" Mesh Fabric, Add	*1,710.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-855.38*	
		For Gate With Barb Wire Arm, Add	*1,081.51*	
		For Vinyl Coated, Add	*2,949.58*	

32 31 13 13-0562 5' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*

32 31 13 13-0563	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,400.74	435.27
		For 1" Mesh Fabric, Add	*1,100.65*	
		For 1-1/4" Mesh Fabric, Add	*708.46*	
		For 1-3/4" Mesh Fabric, Add	*440.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-220.13*	
		For Gate With Barb Wire Arm, Add	*278.32*	
		For Vinyl Coated, Add	*759.07*	
32 31 13 13-0564	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,079.68	521.75
		For 1" Mesh Fabric, Add	*1,320.78*	
		For 1-1/4" Mesh Fabric, Add	*850.16*	
		For 1-3/4" Mesh Fabric, Add	*528.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-264.16*	
		For Gate With Barb Wire Arm, Add	*333.99*	
		For Vinyl Coated, Add	*910.88*	
32 31 13 13-0565	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,759.42	608.61
		For 1" Mesh Fabric, Add	*1,540.91*	
		For 1-1/4" Mesh Fabric, Add	*991.85*	
		For 1-3/4" Mesh Fabric, Add	*616.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-308.18*	
		For Gate With Barb Wire Arm, Add	*389.66*	
		For Vinyl Coated, Add	*1,062.70*	
32 31 13 13-0566	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,439.68	695.71
		For 1" Mesh Fabric, Add	*1,761.04*	
		For 1-1/4" Mesh Fabric, Add	*1,133.54*	
		For 1-3/4" Mesh Fabric, Add	*704.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-352.21*	
		For Gate With Barb Wire Arm, Add	*445.32*	
		For Vinyl Coated, Add	*1,214.51*	
32 31 13 13-0567	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,119.35	782.44
		For 1" Mesh Fabric, Add	*1,981.16*	
		For 1-1/4" Mesh Fabric, Add	*1,275.23*	
		For 1-3/4" Mesh Fabric, Add	*792.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-396.23*	
		For Gate With Barb Wire Arm, Add	*500.98*	
		For Vinyl Coated, Add	*1,366.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0568	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,799.32	869.43
		For 1" Mesh Fabric, Add	*2,201.29*	
		For 1-1/4" Mesh Fabric, Add	*1,416.92*	
		For 1-3/4" Mesh Fabric, Add	*880.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-440.26*	
		For Gate With Barb Wire Arm, Add	*556.65*	
		For Vinyl Coated, Add	*1,518.13*	
32 31 13 13-0569	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	8,117.01	1,044.49
		For 1" Mesh Fabric, Add	*2,622.18*	
		For 1-1/4" Mesh Fabric, Add	*1,687.84*	
		For 1-3/4" Mesh Fabric, Add	*1,048.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-524.44*	
		For Gate With Barb Wire Arm, Add	*663.08*	
		For Vinyl Coated, Add	*1,808.40*	
32 31 13 13-0570	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	10,199.46	1,304.44
		For 1" Mesh Fabric, Add	*3,301.94*	
		For 1-1/4" Mesh Fabric, Add	*2,125.39*	
		For 1-3/4" Mesh Fabric, Add	*1,320.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-660.39*	
		For Gate With Barb Wire Arm, Add	*834.97*	
		For Vinyl Coated, Add	*2,277.20*	
32 31 13 13-0571	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	13,598.67	1,738.85
		For 1" Mesh Fabric, Add	*4,402.59*	
		For 1-1/4" Mesh Fabric, Add	*2,833.85*	
		For 1-3/4" Mesh Fabric, Add	*1,761.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-880.52*	
		For Gate With Barb Wire Arm, Add	*1,113.30*	
		For Vinyl Coated, Add	*3,036.27*	

32 31 13 13-0572 6' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*

32 31 13 13-0573	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,601.30	510.30
		For 1" Mesh Fabric, Add	*1,122.64*	
		For 1-1/4" Mesh Fabric, Add	*722.62*	
		For 1-3/4" Mesh Fabric, Add	*449.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-224.53*	
		For Gate With Barb Wire Arm, Add	*283.89*	
		For Vinyl Coated, Add	*774.24*	
32 31 13 13-0574	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,317.96	610.46
		For 1" Mesh Fabric, Add	*1,347.17*	
		For 1-1/4" Mesh Fabric, Add	*867.15*	
		For 1-3/4" Mesh Fabric, Add	*538.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-269.43*	
		For Gate With Barb Wire Arm, Add	*340.66*	
		For Vinyl Coated, Add	*929.09*	
32 31 13 13-0575	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,037.39	712.09
		For 1" Mesh Fabric, Add	*1,571.70*	
		For 1-1/4" Mesh Fabric, Add	*1,011.67*	
		For 1-3/4" Mesh Fabric, Add	*628.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-314.34*	
		For Gate With Barb Wire Arm, Add	*397.44*	
		For Vinyl Coated, Add	*1,083.93*	
32 31 13 13-0576	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,757.29	813.99
		For 1" Mesh Fabric, Add	*1,796.23*	
		For 1-1/4" Mesh Fabric, Add	*1,156.20*	
		For 1-3/4" Mesh Fabric, Add	*718.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-359.25*	
		For Gate With Barb Wire Arm, Add	*454.22*	
		For Vinyl Coated, Add	*1,238.78*	
32 31 13 13-0577	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,476.72	915.62
		For 1" Mesh Fabric, Add	*2,020.76*	
		For 1-1/4" Mesh Fabric, Add	*1,300.72*	
		For 1-3/4" Mesh Fabric, Add	*808.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-404.15*	
		For Gate With Barb Wire Arm, Add	*511.00*	
		For Vinyl Coated, Add	*1,393.63*	
32 31 13 13-0578	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	7,203.02	1,020.71
		For 1" Mesh Fabric, Add	*2,245.29*	
		For 1-1/4" Mesh Fabric, Add	*1,445.25*	
		For 1-3/4" Mesh Fabric, Add	*898.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-449.06*	
		For Gate With Barb Wire Arm, Add	*567.77*	
		For Vinyl Coated, Add	*1,548.48*	
32 31 13 13-0579	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	8,590.50	1,221.04
		For 1" Mesh Fabric, Add	*2,674.58*	
		For 1-1/4" Mesh Fabric, Add	*1,721.57*	
		For 1-3/4" Mesh Fabric, Add	*1,069.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-534.92*	
		For Gate With Barb Wire Arm, Add	*676.33*	
		For Vinyl Coated, Add	*1,844.54*	
32 31 13 13-0580	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	10,795.67	1,526.69
		For 1" Mesh Fabric, Add	*3,367.94*	
		For 1-1/4" Mesh Fabric, Add	*2,167.87*	
		For 1-3/4" Mesh Fabric, Add	*1,347.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-673.59*	
		For Gate With Barb Wire Arm, Add	*851.66*	
		For Vinyl Coated, Add	*2,322.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0581	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	14,392.55	2,034.65
		For 1" Mesh Fabric, Add	*4,490.58*	
		For 1-1/4" Mesh Fabric, Add	*2,890.49*	
		For 1-3/4" Mesh Fabric, Add	*1,796.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-898.12*	
		For Gate With Barb Wire Arm, Add	*1,135.55*	
		For Vinyl Coated, Add	*3,096.95*	

32 31 13 13-0582 7' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*

32 31 13 13-0583	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,820.30	569.18
		For 1" Mesh Fabric, Add	*1,166.64*	
		For 1-1/4" Mesh Fabric, Add	*750.94*	
		For 1-3/4" Mesh Fabric, Add	*466.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-233.33*	
		For Gate With Barb Wire Arm, Add	*295.01*	
		For Vinyl Coated, Add	*804.58*	
32 31 13 13-0584	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,583.51	682.53
		For 1" Mesh Fabric, Add	*1,400.01*	
		For 1-1/4" Mesh Fabric, Add	*901.15*	
		For 1-3/4" Mesh Fabric, Add	*560.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-280.00*	
		For Gate With Barb Wire Arm, Add	*354.03*	
		For Vinyl Coated, Add	*965.52*	
32 31 13 13-0585	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,348.49	796.86
		For 1" Mesh Fabric, Add	*1,633.29*	
		For 1-1/4" Mesh Fabric, Add	*1,051.31*	
		For 1-3/4" Mesh Fabric, Add	*653.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-326.66*	
		For Gate With Barb Wire Arm, Add	*413.02*	
		For Vinyl Coated, Add	*1,126.41*	
32 31 13 13-0586	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,111.56	910.21
		For 1" Mesh Fabric, Add	*1,866.62*	
		For 1-1/4" Mesh Fabric, Add	*1,201.51*	
		For 1-3/4" Mesh Fabric, Add	*746.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-373.32*	
		For Gate With Barb Wire Arm, Add	*472.02*	
		For Vinyl Coated, Add	*1,287.33*	
32 31 13 13-0587	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,875.69	1,024.16
		For 1" Mesh Fabric, Add	*2,099.95*	
		For 1-1/4" Mesh Fabric, Add	*1,351.69*	
		For 1-3/4" Mesh Fabric, Add	*839.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-419.99*	
		For Gate With Barb Wire Arm, Add	*531.02*	
		For Vinyl Coated, Add	*1,448.24*	
32 31 13 13-0588	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,639.04	1,137.63
		For 1" Mesh Fabric, Add	*2,333.28*	
		For 1-1/4" Mesh Fabric, Add	*1,501.88*	
		For 1-3/4" Mesh Fabric, Add	*933.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-466.66*	
		For Gate With Barb Wire Arm, Add	*590.03*	
		For Vinyl Coated, Add	*1,609.16*	
32 31 13 13-0589	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	9,119.62	1,365.06
		For 1" Mesh Fabric, Add	*2,779.40*	
		For 1-1/4" Mesh Fabric, Add	*1,789.04*	
		For 1-3/4" Mesh Fabric, Add	*1,111.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-555.88*	
		For Gate With Barb Wire Arm, Add	*702.84*	
		For Vinyl Coated, Add	*1,916.83*	
32 31 13 13-0590	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	11,458.53	1,706.32
		For 1" Mesh Fabric, Add	*3,499.91*	
		For 1-1/4" Mesh Fabric, Add	*2,252.82*	
		For 1-3/4" Mesh Fabric, Add	*1,399.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-699.98*	
		For Gate With Barb Wire Arm, Add	*885.04*	
		For Vinyl Coated, Add	*2,413.73*	
32 31 13 13-0591	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	15,278.05	2,275.14
		For 1" Mesh Fabric, Add	*4,666.56*	
		For 1-1/4" Mesh Fabric, Add	*3,003.76*	
		For 1-3/4" Mesh Fabric, Add	*1,866.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-933.31*	
		For Gate With Barb Wire Arm, Add	*1,180.05*	
		For Vinyl Coated, Add	*3,218.32*	

32 31 13 13-0592 8' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*

32 31 13 13-0593	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,994.64	616.62
		For 1" Mesh Fabric, Add	*1,201.21*	
		For 1-1/4" Mesh Fabric, Add	*773.19*	
		For 1-3/4" Mesh Fabric, Add	*480.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-240.24*	
		For Gate With Barb Wire Arm, Add	*303.75*	
		For Vinyl Coated, Add	*828.42*	
32 31 13 13-0594	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,790.02	738.22
		For 1" Mesh Fabric, Add	*1,441.45*	
		For 1-1/4" Mesh Fabric, Add	*927.83*	
		For 1-3/4" Mesh Fabric, Add	*576.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-288.29*	
		For Gate With Barb Wire Arm, Add	*364.50*	
		For Vinyl Coated, Add	*994.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0595	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,588.41	861.30
		For 1" Mesh Fabric, Add	*1,681.68*	
		For 1-1/4" Mesh Fabric, Add	*1,082.46*	
		For 1-3/4" Mesh Fabric, Add	*672.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-336.34*	
		For Gate With Barb Wire Arm, Add	*425.25*	
		For Vinyl Coated, Add	*1,159.78*	
32 31 13 13-0596	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,387.06	984.37
		For 1" Mesh Fabric, Add	*1,921.93*	
		For 1-1/4" Mesh Fabric, Add	*1,237.10*	
		For 1-3/4" Mesh Fabric, Add	*768.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-384.39*	
		For Gate With Barb Wire Arm, Add	*486.00*	
		For Vinyl Coated, Add	*1,325.47*	
32 31 13 13-0597	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,184.34	1,106.95
		For 1" Mesh Fabric, Add	*2,162.17*	
		For 1-1/4" Mesh Fabric, Add	*1,391.74*	
		For 1-3/4" Mesh Fabric, Add	*864.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-432.43*	
		For Gate With Barb Wire Arm, Add	*546.76*	
		For Vinyl Coated, Add	*1,491.15*	
32 31 13 13-0598	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,983.09	1,230.15
		For 1" Mesh Fabric, Add	*2,402.41*	
		For 1-1/4" Mesh Fabric, Add	*1,546.38*	
		For 1-3/4" Mesh Fabric, Add	*960.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-480.48*	
		For Gate With Barb Wire Arm, Add	*607.51*	
		For Vinyl Coated, Add	*1,656.83*	
32 31 13 13-0599	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	9,531.40	1,476.31
		For 1" Mesh Fabric, Add	*2,861.75*	
		For 1-1/4" Mesh Fabric, Add	*1,842.04*	
		For 1-3/4" Mesh Fabric, Add	*1,144.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-572.35*	
		For Gate With Barb Wire Arm, Add	*723.66*	
		For Vinyl Coated, Add	*1,973.62*	
32 31 13 13-0600	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	11,975.59	1,845.66
		For 1" Mesh Fabric, Add	*3,603.62*	
		For 1-1/4" Mesh Fabric, Add	*2,319.57*	
		For 1-3/4" Mesh Fabric, Add	*1,441.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-720.72*	
		For Gate With Barb Wire Arm, Add	*911.26*	
		For Vinyl Coated, Add	*2,485.26*	
32 31 13 13-0601	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	15,963.75	2,459.08
		For 1" Mesh Fabric, Add	*4,804.82*	
		For 1-1/4" Mesh Fabric, Add	*3,092.76*	
		For 1-3/4" Mesh Fabric, Add	*1,921.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-960.96*	
		For Gate With Barb Wire Arm, Add	*1,215.01*	
		For Vinyl Coated, Add	*3,313.67*	
32 31 13 13-0602		9' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*		
32 31 13 13-0603	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,200.65	672.68
		For 1" Mesh Fabric, Add	*1,242.06*	
		For 1-1/4" Mesh Fabric, Add	*799.48*	
		For 1-3/4" Mesh Fabric, Add	*496.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-248.41*	
		For Gate With Barb Wire Arm, Add	*314.08*	
		For Vinyl Coated, Add	*856.59*	
32 31 13 13-0604	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,035.78	804.75
		For 1" Mesh Fabric, Add	*1,490.47*	
		For 1-1/4" Mesh Fabric, Add	*959.38*	
		For 1-3/4" Mesh Fabric, Add	*596.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-298.09*	
		For Gate With Barb Wire Arm, Add	*376.90*	
		For Vinyl Coated, Add	*1,027.91*	
32 31 13 13-0605	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,874.78	938.66
		For 1" Mesh Fabric, Add	*1,738.89*	
		For 1-1/4" Mesh Fabric, Add	*1,119.28*	
		For 1-3/4" Mesh Fabric, Add	*695.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-347.78*	
		For Gate With Barb Wire Arm, Add	*439.72*	
		For Vinyl Coated, Add	*1,199.23*	
32 31 13 13-0606	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,714.83	1,073.19
		For 1" Mesh Fabric, Add	*1,987.29*	
		For 1-1/4" Mesh Fabric, Add	*1,279.17*	
		For 1-3/4" Mesh Fabric, Add	*794.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-397.46*	
		For Gate With Barb Wire Arm, Add	*502.53*	
		For Vinyl Coated, Add	*1,370.54*	
32 31 13 13-0607	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,554.06	1,207.24
		For 1" Mesh Fabric, Add	*2,235.70*	
		For 1-1/4" Mesh Fabric, Add	*1,439.07*	
		For 1-3/4" Mesh Fabric, Add	*894.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-447.14*	
		For Gate With Barb Wire Arm, Add	*565.35*	
		For Vinyl Coated, Add	*1,541.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0608	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,393.26	1,341.28
		For 1" Mesh Fabric, Add	*2,484.12*	
		For 1-1/4" Mesh Fabric, Add	*1,598.97*	
		For 1-3/4" Mesh Fabric, Add	*993.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-496.82*	
		For Gate With Barb Wire Arm, Add	*628.17*	
		For Vinyl Coated, Add	*1,713.19*	
32 31 13 13-0609	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	10,021.28	1,609.36
		For 1" Mesh Fabric, Add	*2,959.07*	
		For 1-1/4" Mesh Fabric, Add	*1,904.69*	
		For 1-3/4" Mesh Fabric, Add	*1,183.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-591.81*	
		For Gate With Barb Wire Arm, Add	*748.27*	
		For Vinyl Coated, Add	*2,040.74*	
32 31 13 13-0610	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	12,588.78	2,011.49
		For 1" Mesh Fabric, Add	*3,726.18*	
		For 1-1/4" Mesh Fabric, Add	*2,398.46*	
		For 1-3/4" Mesh Fabric, Add	*1,490.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-745.24*	
		For Gate With Barb Wire Arm, Add	*942.25*	
		For Vinyl Coated, Add	*2,569.78*	
32 31 13 13-0611	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	16,789.45	2,684.16
		For 1" Mesh Fabric, Add	*4,968.24*	
		For 1-1/4" Mesh Fabric, Add	*3,197.95*	
		For 1-3/4" Mesh Fabric, Add	*1,987.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-993.65*	
		For Gate With Barb Wire Arm, Add	*1,256.34*	
		For Vinyl Coated, Add	*3,426.37*	

32 31 13 13-0612 10' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*

32 31 13 13-0613	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,457.99	739.94
		For 1" Mesh Fabric, Add	*1,295.48*	
		For 1-1/4" Mesh Fabric, Add	*833.87*	
		For 1-3/4" Mesh Fabric, Add	*518.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-259.10*	
		For Gate With Barb Wire Arm, Add	*327.59*	
		For Vinyl Coated, Add	*893.43*	
32 31 13 13-0614	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,349.60	887.91
		For 1" Mesh Fabric, Add	*1,554.58*	
		For 1-1/4" Mesh Fabric, Add	*1,000.65*	
		For 1-3/4" Mesh Fabric, Add	*621.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-310.92*	
		For Gate With Barb Wire Arm, Add	*393.11*	
		For Vinyl Coated, Add	*1,072.12*	
32 31 13 13-0615	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,241.70	1,036.12
		For 1" Mesh Fabric, Add	*1,813.68*	
		For 1-1/4" Mesh Fabric, Add	*1,167.42*	
		For 1-3/4" Mesh Fabric, Add	*725.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-362.74*	
		For Gate With Barb Wire Arm, Add	*458.63*	
		For Vinyl Coated, Add	*1,250.81*	
32 31 13 13-0616	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,133.09	1,184.08
		For 1" Mesh Fabric, Add	*2,072.77*	
		For 1-1/4" Mesh Fabric, Add	*1,334.20*	
		For 1-3/4" Mesh Fabric, Add	*829.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-414.55*	
		For Gate With Barb Wire Arm, Add	*524.15*	
		For Vinyl Coated, Add	*1,429.50*	
32 31 13 13-0617	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,024.39	1,331.92
		For 1" Mesh Fabric, Add	*2,331.86*	
		For 1-1/4" Mesh Fabric, Add	*1,500.97*	
		For 1-3/4" Mesh Fabric, Add	*932.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-466.37*	
		For Gate With Barb Wire Arm, Add	*589.67*	
		For Vinyl Coated, Add	*1,608.18*	
32 31 13 13-0618	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,916.00	1,479.88
		For 1" Mesh Fabric, Add	*2,590.96*	
		For 1-1/4" Mesh Fabric, Add	*1,667.74*	
		For 1-3/4" Mesh Fabric, Add	*1,036.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-518.19*	
		For Gate With Barb Wire Arm, Add	*655.19*	
		For Vinyl Coated, Add	*1,786.87*	
32 31 13 13-0619	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	10,648.05	1,776.55
		For 1" Mesh Fabric, Add	*3,086.35*	
		For 1-1/4" Mesh Fabric, Add	*1,986.61*	
		For 1-3/4" Mesh Fabric, Add	*1,234.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-617.27*	
		For Gate With Barb Wire Arm, Add	*780.46*	
		For Vinyl Coated, Add	*2,128.52*	
32 31 13 13-0620	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	13,373.99	2,219.83
		For 1" Mesh Fabric, Add	*3,886.44*	
		For 1-1/4" Mesh Fabric, Add	*2,501.62*	
		For 1-3/4" Mesh Fabric, Add	*1,554.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-777.29*	
		For Gate With Barb Wire Arm, Add	*982.78*	
		For Vinyl Coated, Add	*2,680.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0621	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	17,828.45	2,958.04
		For 1" Mesh Fabric, Add	*5,181.92*	
		For 1-1/4" Mesh Fabric, Add	*3,335.49*	
		For 1-3/4" Mesh Fabric, Add	*2,072.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,036.38*	
		For Gate With Barb Wire Arm, Add	*1,310.37*	
		For Vinyl Coated, Add	*3,573.74*	

32 31 13 13-0622 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0268)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.

32 31 13 13-0623	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	8,407.17	492.80
		For 1" Mesh Fabric, Add	*3,228.38*	
		For 1-1/4" Mesh Fabric, Add	*2,078.04*	
		For 1-3/4" Mesh Fabric, Add	*1,291.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-645.68*	
		For Gate With Single Barb Wire Arm, Add	*816.37*	
		For Gate With Double Barb Wire Arm, Add	*1,187.45*	
		For Aluminized Steel Gate And Post, Add	*3,562.35*	
		For Powder Coated Gate And Post, Add	*1,558.53*	
		For Vinyl Coated, Add	*2,226.47*	
32 31 13 13-0624	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	9,158.78	616.00
		For 1" Mesh Fabric, Add	*3,448.14*	
		For 1-1/4" Mesh Fabric, Add	*2,219.50*	
		For 1-3/4" Mesh Fabric, Add	*1,379.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-689.63*	
		For Gate With Single Barb Wire Arm, Add	*871.94*	
		For Gate With Double Barb Wire Arm, Add	*1,268.28*	
		For Aluminized Steel Gate And Post, Add	*3,804.85*	
		For Powder Coated Gate And Post, Add	*1,664.62*	
		For Vinyl Coated, Add	*2,378.03*	
32 31 13 13-0625	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	9,917.33	739.20
		For 1" Mesh Fabric, Add	*3,670.93*	
		For 1-1/4" Mesh Fabric, Add	*2,362.90*	
		For 1-3/4" Mesh Fabric, Add	*1,468.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-734.19*	
		For Gate With Single Barb Wire Arm, Add	*928.28*	
		For Gate With Double Barb Wire Arm, Add	*1,350.23*	
		For Aluminized Steel Gate And Post, Add	*4,050.68*	
		For Powder Coated Gate And Post, Add	*1,772.17*	
		For Vinyl Coated, Add	*2,531.68*	
32 31 13 13-0626	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	11,535.31	985.61
		For 1" Mesh Fabric, Add	*4,160.39*	
		For 1-1/4" Mesh Fabric, Add	*2,677.95*	
		For 1-3/4" Mesh Fabric, Add	*1,664.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-832.08*	
		For Gate With Single Barb Wire Arm, Add	*1,052.05*	
		For Gate With Double Barb Wire Arm, Add	*1,530.26*	
		For Aluminized Steel Gate And Post, Add	*4,590.77*	
		For Powder Coated Gate And Post, Add	*2,008.46*	
		For Vinyl Coated, Add	*2,869.23*	
32 31 13 13-0627	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	10,662.29	985.61
		For 1" Mesh Fabric, Add	*3,780.62*	
		For 1-1/4" Mesh Fabric, Add	*2,433.51*	
		For 1-3/4" Mesh Fabric, Add	*1,512.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-756.12*	
		For Gate With Single Barb Wire Arm, Add	*956.02*	
		For Gate With Double Barb Wire Arm, Add	*1,390.57*	
		For Aluminized Steel Gate And Post, Add	*4,171.72*	
		For Powder Coated Gate And Post, Add	*1,825.13*	
		For Vinyl Coated, Add	*2,607.33*	
32 31 13 13-0628	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	12,375.11	1,293.60
		For 1" Mesh Fabric, Add	*4,257.74*	
		For 1-1/4" Mesh Fabric, Add	*2,740.61*	
		For 1-3/4" Mesh Fabric, Add	*1,703.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-851.55*	
		For Gate With Single Barb Wire Arm, Add	*1,076.67*	
		For Gate With Double Barb Wire Arm, Add	*1,566.07*	
		For Aluminized Steel Gate And Post, Add	*4,698.20*	
		For Powder Coated Gate And Post, Add	*2,055.46*	
		For Vinyl Coated, Add	*2,936.37*	
32 31 13 13-0629	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	16,506.36	1,601.61
		For 1" Mesh Fabric, Add	*5,786.87*	
		For 1-1/4" Mesh Fabric, Add	*3,724.88*	
		For 1-3/4" Mesh Fabric, Add	*2,314.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,157.37*	
		For Gate With Single Barb Wire Arm, Add	*1,463.35*	
		For Gate With Double Barb Wire Arm, Add	*2,128.50*	
		For Aluminized Steel Gate And Post, Add	*6,385.51*	
		For Powder Coated Gate And Post, Add	*2,793.66*	
		For Vinyl Coated, Add	*3,990.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0630	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	18,500.90	1,909.61
		For 1" Mesh Fabric, Add	*6,386.54*	
		For 1-1/4" Mesh Fabric, Add	*4,110.87*	
		For 1-3/4" Mesh Fabric, Add	*2,554.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,277.31*	
		For Gate With Single Barb Wire Arm, Add	*1,614.99*	
		For Gate With Double Barb Wire Arm, Add	*2,349.07*	
		For Aluminized Steel Gate And Post, Add	*7,047.21*	
		For Powder Coated Gate And Post, Add	*3,083.15*	
		For Vinyl Coated, Add	*4,404.51*	
32 31 13 13-0631	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate	21,806.84	2,094.40
		For 1" Mesh Fabric, Add	*7,663.84*	
		For 1-1/4" Mesh Fabric, Add	*4,933.05*	
		For 1-3/4" Mesh Fabric, Add	*3,065.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,532.77*	
		For Gate With Single Barb Wire Arm, Add	*1,937.98*	
		For Gate With Double Barb Wire Arm, Add	*2,818.88*	
		For Aluminized Steel Gate And Post, Add	*8,456.65*	
		For Powder Coated Gate And Post, Add	*3,699.79*	
		For Vinyl Coated, Add	*5,285.41*	
32 31 13 13-0632	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	12,407.55	1,232.01
		For 1" Mesh Fabric, Add	*4,325.44*	
		For 1-1/4" Mesh Fabric, Add	*2,784.19*	
		For 1-3/4" Mesh Fabric, Add	*1,730.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-865.09*	
		For Gate With Single Barb Wire Arm, Add	*1,093.79*	
		For Gate With Double Barb Wire Arm, Add	*1,590.97*	
		For Aluminized Steel Gate And Post, Add	*4,772.90*	
		For Powder Coated Gate And Post, Add	*2,088.15*	
		For Vinyl Coated, Add	*2,983.07*	
32 31 13 13-0633	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	14,522.96	1,663.20
		For 1" Mesh Fabric, Add	*4,870.50*	
		For 1-1/4" Mesh Fabric, Add	*3,135.03*	
		For 1-3/4" Mesh Fabric, Add	*1,948.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-974.10*	
		For Gate With Single Barb Wire Arm, Add	*1,231.62*	
		For Gate With Double Barb Wire Arm, Add	*1,791.45*	
		For Aluminized Steel Gate And Post, Add	*5,374.34*	
		For Powder Coated Gate And Post, Add	*2,351.28*	
		For Vinyl Coated, Add	*3,358.97*	
32 31 13 13-0634	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	19,406.44	2,094.40
		For 1" Mesh Fabric, Add	*6,619.67*	
		For 1-1/4" Mesh Fabric, Add	*4,260.94*	
		For 1-3/4" Mesh Fabric, Add	*2,647.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,323.93*	
		For Gate With Single Barb Wire Arm, Add	*1,673.94*	
		For Gate With Double Barb Wire Arm, Add	*2,434.82*	
		For Aluminized Steel Gate And Post, Add	*7,304.46*	
		For Powder Coated Gate And Post, Add	*3,195.70*	
		For Vinyl Coated, Add	*4,565.29*	
32 31 13 13-0635	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	21,720.64	2,464.00
		For 1" Mesh Fabric, Add	*7,304.79*	
		For 1-1/4" Mesh Fabric, Add	*4,701.94*	
		For 1-3/4" Mesh Fabric, Add	*2,921.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,460.96*	
		For Gate With Single Barb Wire Arm, Add	*1,847.19*	
		For Gate With Double Barb Wire Arm, Add	*2,686.82*	
		For Aluminized Steel Gate And Post, Add	*8,060.46*	
		For Powder Coated Gate And Post, Add	*3,526.45*	
		For Vinyl Coated, Add	*5,037.79*	
32 31 13 13-0636	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate	25,571.97	2,710.40
		For 1" Mesh Fabric, Add	*8,765.75*	
		For 1-1/4" Mesh Fabric, Add	*5,642.32*	
		For 1-3/4" Mesh Fabric, Add	*3,506.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,753.15*	
		For Gate With Single Barb Wire Arm, Add	*2,216.63*	
		For Gate With Double Barb Wire Arm, Add	*3,224.19*	
		For Aluminized Steel Gate And Post, Add	*9,672.56*	
		For Powder Coated Gate And Post, Add	*4,231.74*	
		For Vinyl Coated, Add	*6,045.35*	
32 31 13 13-0637	EA	10' High x 15' Wide Galvanized Cantilever Sliding Gate	14,143.30	1,478.41
		For 1" Mesh Fabric, Add	*4,866.12*	
		For 1-1/4" Mesh Fabric, Add	*3,132.22*	
		For 1-3/4" Mesh Fabric, Add	*1,946.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-973.22*	
		For Gate With Single Barb Wire Arm, Add	*1,230.51*	
		For Gate With Double Barb Wire Arm, Add	*1,789.84*	
		For Aluminized Steel Gate And Post, Add	*5,369.52*	
		For Powder Coated Gate And Post, Add	*2,349.16*	
		For Vinyl Coated, Add	*3,355.95*	
32 31 13 13-0638	EA	10' High x 20' Wide Galvanized Cantilever Sliding Gate	16,275.37	1,909.61
		For 1" Mesh Fabric, Add	*5,418.43*	
		For 1-1/4" Mesh Fabric, Add	*3,487.72*	
		For 1-3/4" Mesh Fabric, Add	*2,167.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,083.69*	
		For Gate With Single Barb Wire Arm, Add	*1,370.18*	
		For Gate With Double Barb Wire Arm, Add	*1,992.99*	
		For Aluminized Steel Gate And Post, Add	*5,978.96*	
		For Powder Coated Gate And Post, Add	*2,615.79*	
		For Vinyl Coated, Add	*3,736.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0639	EA	10' High x 25' Wide Galvanized Cantilever Sliding Gate	21,555.05	2,217.60
		For 1" Mesh Fabric, Add	*7,447.13*	
		For 1-1/4" Mesh Fabric, Add	*4,793.56*	
		For 1-3/4" Mesh Fabric, Add	*2,978.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,489.43*	
		For Gate With Single Barb Wire Arm, Add	*1,883.18*	
		For Gate With Double Barb Wire Arm, Add	*2,739.17*	
		For Aluminized Steel Gate And Post, Add	*8,217.52*	
		For Powder Coated Gate And Post, Add	*3,595.17*	
		For Vinyl Coated, Add	*5,135.95*	
32 31 13 13-0640	EA	10' High x 30' Wide Galvanized Cantilever Sliding Gate	24,066.12	2,587.20
		For 1" Mesh Fabric, Add	*8,217.89*	
		For 1-1/4" Mesh Fabric, Add	*5,289.68*	
		For 1-3/4" Mesh Fabric, Add	*3,287.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,643.58*	
		For Gate With Single Barb Wire Arm, Add	*2,078.09*	
		For Gate With Double Barb Wire Arm, Add	*3,022.67*	
		For Aluminized Steel Gate And Post, Add	*9,068.02*	
		For Powder Coated Gate And Post, Add	*3,967.26*	
		For Vinyl Coated, Add	*5,667.51*	
32 31 13 13-0641	EA	10' High x 36' Wide Galvanized Cantilever Sliding Gate	28,337.27	2,833.60
		For 1" Mesh Fabric, Add	*9,861.48*	
		For 1-1/4" Mesh Fabric, Add	*6,347.62*	
		For 1-3/4" Mesh Fabric, Add	*3,944.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,972.30*	
		For Gate With Single Barb Wire Arm, Add	*2,493.71*	
		For Gate With Double Barb Wire Arm, Add	*3,627.21*	
		For Aluminized Steel Gate And Post, Add	*10,881.63*	
		For Powder Coated Gate And Post, Add	*4,760.71*	
		For Vinyl Coated, Add	*6,801.02*	
32 31 13 13-0642	EA	12' High x 15' Wide Galvanized Cantilever Sliding Gate	16,750.20	1,663.20
		For 1" Mesh Fabric, Add	*5,839.35*	
		For 1-1/4" Mesh Fabric, Add	*3,758.66*	
		For 1-3/4" Mesh Fabric, Add	*2,335.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,167.87*	
		For Gate With Single Barb Wire Arm, Add	*1,476.62*	
		For Gate With Double Barb Wire Arm, Add	*2,147.81*	
		For Aluminized Steel Gate And Post, Add	*6,443.42*	
		For Powder Coated Gate And Post, Add	*2,819.00*	
		For Vinyl Coated, Add	*4,027.14*	
32 31 13 13-0643	EA	12' High x 20' Wide Galvanized Cantilever Sliding Gate	19,304.15	2,094.40
		For 1" Mesh Fabric, Add	*6,575.17*	
		For 1-1/4" Mesh Fabric, Add	*4,232.30*	
		For 1-3/4" Mesh Fabric, Add	*2,630.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,315.03*	
		For Gate With Single Barb Wire Arm, Add	*1,662.69*	
		For Gate With Double Barb Wire Arm, Add	*2,418.45*	
		For Aluminized Steel Gate And Post, Add	*7,255.36*	
		For Powder Coated Gate And Post, Add	*3,174.22*	
		For Vinyl Coated, Add	*4,534.60*	
32 31 13 13-0644	EA	12' High x 25' Wide Galvanized Cantilever Sliding Gate	25,348.62	2,402.41
		For 1" Mesh Fabric, Add	*8,936.55*	
		For 1-1/4" Mesh Fabric, Add	*5,752.26*	
		For 1-3/4" Mesh Fabric, Add	*3,574.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,787.31*	
		For Gate With Single Barb Wire Arm, Add	*2,259.82*	
		For Gate With Double Barb Wire Arm, Add	*3,287.01*	
		For Aluminized Steel Gate And Post, Add	*9,861.02*	
		For Powder Coated Gate And Post, Add	*4,314.20*	
		For Vinyl Coated, Add	*6,163.14*	
32 31 13 13-0645	EA	12' High x 30' Wide Galvanized Cantilever Sliding Gate	28,090.87	2,710.40
		For 1" Mesh Fabric, Add	*9,861.48*	
		For 1-1/4" Mesh Fabric, Add	*6,347.62*	
		For 1-3/4" Mesh Fabric, Add	*3,944.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,972.30*	
		For Gate With Single Barb Wire Arm, Add	*2,493.71*	
		For Gate With Double Barb Wire Arm, Add	*3,627.21*	
		For Aluminized Steel Gate And Post, Add	*10,881.63*	
		For Powder Coated Gate And Post, Add	*4,760.71*	
		For Vinyl Coated, Add	*6,801.02*	
32 31 13 13-0646	EA	12' High x 36' Wide Galvanized Cantilever Sliding Gate	31,942.19	2,956.81
		For 1" Mesh Fabric, Add	*11,322.43*	
		For 1-1/4" Mesh Fabric, Add	*7,288.00*	
		For 1-3/4" Mesh Fabric, Add	*4,528.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-2,264.49*	
		For Gate With Single Barb Wire Arm, Add	*2,863.14*	
		For Gate With Double Barb Wire Arm, Add	*4,164.57*	
		For Aluminized Steel Gate And Post, Add	*12,493.72*	
		For Powder Coated Gate And Post, Add	*5,466.00*	
		For Vinyl Coated, Add	*7,808.57*	

32 31 13 13-0647 Gate Accessories *(32 31 13 13-0268)*

32 31 13 13-0648	EA	3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 100 Lb. max weight capacity	67.90	16.95
32 31 13 13-0649	EA	4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 225 Lb. max weight capacity	78.15	16.95
32 31 13 13-0650	EA	6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 550 Lb. max weight capacity	143.99	16.95
32 31 13 13-0651	EA	Gate Center Stop, Cast Steel, Ground	43.07	
32 31 13 13-0652	EA	Gate Latch, Malleable Galvanized Steel	51.84	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0653		EA	Gate Keeper, Full Length, Galvanized Steel	237.47	
32 31 13 13-0654		EA	Gate Keeper Hold-Open For Cantilever Gate	111.67	19.66
32 31 13 13-0655		EA	Heavy-Duty Gate Latch, Malleable Galvanized Steel	63.07	
32 31 13 13-0656		EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	1,138.10	
32 31 13 13-0657		EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	1,219.64	
32 31 13 13-0658		EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	1,301.19	
32 31 13 13-0659		LF	Aluminum V-Groove Gate Track	64.78	11.23
32 31 13 13-0660		LF	Galvanized Steel V-Groove Gate Track	46.49	11.23

32 31 13 13-0661 Vertical-Pivot Lift Gate *(32 31 13 13-0268)*

Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.

32 31 13 13-0662		EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	33,310.17	924.00
			For Curb Notch, Add	*239.00*	
			For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0663		EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	33,679.77	1,108.81
			For Curb Notch, Add	*239.00*	
			For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0664		EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	34,049.37	1,293.60
			For Curb Notch, Add	*239.00*	
			For Prewired Loop Kit, Add	*245.00*	
			For Wind Bracing, Add	*287.50*	
32 31 13 13-0665		EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	34,813.49	1,478.41
			For Curb Notch, Add	*239.00*	
			For Prewired Loop Kit, Add	*245.00*	
			For Wind Bracing, Add	*317.50*	
32 31 13 13-0666		EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	35,557.88	1,663.20
			For Curb Notch, Add	*239.00*	
			For Prewired Loop Kit, Add	*245.00*	
			For Wind Bracing, Add	*317.50*	
32 31 13 13-0667		EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	34,633.88	1,201.20
			For Curb Notch, Add	*239.00*	
			For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0668		EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	35,003.48	1,386.00
			For Curb Notch, Add	*239.00*	
			For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0669		EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	35,373.08	1,570.81
			For Curb Notch, Add	*239.00*	
			For Prewired Loop Kit, Add	*245.00*	
			For Wind Bracing, Add	*287.50*	
32 31 13 13-0670		EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	35,959.65	1,755.60
			For Curb Notch, Add	*239.00*	
			For Prewired Loop Kit, Add	*245.00*	
			For Wind Bracing, Add	*317.50*	
32 31 13 13-0671		EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	36,881.57	1,940.41
			For Curb Notch, Add	*239.00*	
			For Prewired Loop Kit, Add	*245.00*	
			For Wind Bracing, Add	*317.50*	

32 31 13 13-0672 Accessories *(32 31 13 13)*

32 31 13 13-0673 Barbed And Concertina Wire *(32 31 13 13-0672)*

32 31 13 13-0674 Single Strand Barbed Wire *(32 31 13 13-0673)*

32 31 13 13-0675		LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	1.17	0.52
			For >500 To 2,000, Deduct	*-0.05*	
			For >2,000 To 5,000, Deduct	*-0.08*	
32 31 13 13-0676		LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand	1.22	0.52
			For >500 To 2,000, Deduct	*-0.05*	
			For >2,000 To 5,000, Deduct	*-0.08*	
32 31 13 13-0677		LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	1.33	0.52
			For >500 To 2,000, Deduct	*-0.05*	
			For >2,000 To 5,000, Deduct	*-0.08*	
32 31 13 13-0678		EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post	16.96	8.28
32 31 13 13-0679		EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post	29.29	9.94
32 31 13 13-0680		EA	Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post	13.86	8.28

32 31 13 13-0681 Galvanized Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0673)*

32 31 13 13-0682		LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.81	0.73
			For >500 To 1,500, Deduct	*-0.49*	
			For >1,500 To 5,000, Deduct	*-0.98*	
			For >5,000, Deduct	*-1.37*	
			For Ground Installation, Deduct	*-0.52*	
			For Double Coil (Helix), Add	*4.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0683	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	8.78	0.73
		For >500 To 1,500, Deduct	*-0.74*	
		For >1,500 To 5,000, Deduct	*-1.47*	
		For >5,000, Deduct	*-2.07*	
		For Ground Installation, Deduct	*-0.78*	
		For Double Coil (Helix), Add	*7.23*	
32 31 13 13-0684	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	11.62	0.73
		For >500 To 1,500, Deduct	*-0.98*	
		For >1,500 To 5,000, Deduct	*-1.95*	
		For >5,000, Deduct	*-2.74*	
		For Ground Installation, Deduct	*-1.04*	
		For Double Coil (Helix), Add	*9.55*	
32 31 13 13-0685	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.27	0.73
		For >500 To 1,500, Deduct	*-0.83*	
		For >1,500 To 5,000, Deduct	*-1.66*	
		For >5,000, Deduct	*-2.28*	
		For Ground Installation, Deduct	*-0.58*	
		For Double Coil (Helix), Add	*9.12*	
32 31 13 13-0686	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.53	0.73
		For >500 To 1,500, Deduct	*-1.25*	
		For >1,500 To 5,000, Deduct	*-2.50*	
		For >5,000, Deduct	*-3.45*	
		For Ground Installation, Deduct	*-0.86*	
		For Double Coil (Helix), Add	*13.81*	
32 31 13 13-0687	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	20.51	0.73
		For >500 To 1,500, Deduct	*-1.65*	
		For >1,500 To 5,000, Deduct	*-3.31*	
		For >5,000, Deduct	*-4.56*	
		For Ground Installation, Deduct	*-1.14*	
		For Double Coil (Helix), Add	*18.23*	
32 31 13 13-0688	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	33.86	0.73
		For >500 To 1,500, Deduct	*-2.60*	
		For >1,500 To 5,000, Deduct	*-5.21*	
		For >5,000, Deduct	*-7.03*	
		For Ground Installation, Deduct	*-0.65*	
		For Double Coil (Helix), Add	*32.57*	
32 31 13 13-0689	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	51.26	0.73
		For >500 To 1,500, Deduct	*-3.94*	
		For >1,500 To 5,000, Deduct	*-7.88*	
		For >5,000, Deduct	*-10.64*	
		For Ground Installation, Deduct	*-0.97*	
		For Double Coil (Helix), Add	*49.32*	
32 31 13 13-0690	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	67.72	0.73
		For >500 To 1,500, Deduct	*-5.21*	
		For >1,500 To 5,000, Deduct	*-10.42*	
		For >5,000, Deduct	*-14.06*	
		For Ground Installation, Deduct	*-1.29*	
		For Double Coil (Helix), Add	*65.14*	

32 31 13 13-0691 Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0673)*

32 31 13 13-0692	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	11.18	0.73
		For >500 To 1,500, Deduct	*-0.89*	
		For >1,500 To 5,000, Deduct	*-1.78*	
		For >5,000, Deduct	*-2.44*	
		For Ground Installation, Deduct	*-0.52*	
		For Double Coil (Helix), Add	*10.15*	
32 31 13 13-0693	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	16.91	0.73
		For >500 To 1,500, Deduct	*-1.35*	
		For >1,500 To 5,000, Deduct	*-2.69*	
		For >5,000, Deduct	*-3.69*	
		For Ground Installation, Deduct	*-0.78*	
		For Double Coil (Helix), Add	*15.36*	
32 31 13 13-0694	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	22.36	0.73
		For >500 To 1,500, Deduct	*-1.78*	
		For >1,500 To 5,000, Deduct	*-3.56*	
		For >5,000, Deduct	*-4.89*	
		For Ground Installation, Deduct	*-1.04*	
		For Double Coil (Helix), Add	*20.29*	
32 31 13 13-0695	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	14.83	0.73
		For >500 To 1,500, Deduct	*-1.17*	
		For >1,500 To 5,000, Deduct	*-2.34*	
		For >5,000, Deduct	*-3.20*	
		For Ground Installation, Deduct	*-0.58*	
		For Double Coil (Helix), Add	*13.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0696	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	22.43	0.73
		For >500 To 1,500, Deduct	*-1.77*	
		For >1,500 To 5,000, Deduct	*-3.54*	
		For >5,000, Deduct	*-4.83*	
		For Ground Installation, Deduct	*-0.86*	
		For Double Coil (Helix), Add	*20.71*	
32 31 13 13-0697	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	29.62	0.73
		For >500 To 1,500, Deduct	*-2.34*	
		For >1,500 To 5,000, Deduct	*-4.67*	
		For >5,000, Deduct	*-6.38*	
		For Ground Installation, Deduct	*-1.14*	
		For Double Coil (Helix), Add	*27.34*	
32 31 13 13-0698	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	51.10	0.73
		For >500 To 1,500, Deduct	*-3.90*	
		For >1,500 To 5,000, Deduct	*-7.79*	
		For >5,000, Deduct	*-10.48*	
		For Ground Installation, Deduct	*-0.65*	
		For Double Coil (Helix), Add	*49.81*	
32 31 13 13-0699	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	77.38	0.73
		For >500 To 1,500, Deduct	*-5.90*	
		For >1,500 To 5,000, Deduct	*-11.80*	
		For >5,000, Deduct	*-15.86*	
		For Ground Installation, Deduct	*-0.97*	
		For Double Coil (Helix), Add	*75.44*	
32 31 13 13-0700	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	102.19	0.73
		For >500 To 1,500, Deduct	*-7.79*	
		For >1,500 To 5,000, Deduct	*-15.59*	
		For >5,000, Deduct	*-20.96*	
		For Ground Installation, Deduct	*-1.29*	
		For Double Coil (Helix), Add	*99.61*	

32 31 13 13-0701 Grounding For Gates *(32 31 13 13-0672)*

Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.

32 31 13 13-0702	OPNG	Grounding For Gates (Per Opening)	472.87

32 31 13 13-0703 Coiled Spring Reinforcing Wire *(32 31 13 13-0672)*

32 31 13 13-0704 Galvanized Steel *(32 31 13 13-0703)*

32 31 13 13-0705	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.24	0.52

32 31 13 13-0706 Vinyl Coated Steel *(32 31 13 13-0703)*

32 31 13 13-0707	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	1.24	0.52

32 31 13 13-0708 Bending Of Fabric Around Pipe Railings *(32 31 13 13-0672)*

Note: Only where specified.

32 31 13 13-0709	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.65
32 31 13 13-0710	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.44

32 31 13 13-0711 Mounting Plate With Anchors Or Bolts *(32 31 13 13-0672)*

Note: For drilling for anchor or bolts, installing post on or against flat surface.

32 31 13 13-0712	EA	Mounting Plate For 1-5/8" Diameter Post	47.92
32 31 13 13-0713	EA	Mounting Plate For 2" Diameter Post	48.72
32 31 13 13-0714	EA	Mounting Plate For 2-1/2" Diameter Post	50.08
32 31 13 13-0715	EA	Mounting Plate For 3" Diameter Post	60.46
32 31 13 13-0716	EA	Mounting Plate For 4" Diameter Post	69.60
32 31 13 13-0717	EA	Mounting Plate For 6-5/8" Diameter Post	80.73
32 31 13 13-0718	EA	Mounting Plate For 8-5/8" Diameter Post	95.28

32 31 13 13-0719 Tension Bar *(32 31 13 13-0672)*

32 31 13 13-0720	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	17.45
32 31 13 13-0721	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	18.58
32 31 13 13-0722	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	23.05
32 31 13 13-0723	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	26.76
32 31 13 13-0724	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	31.70
32 31 13 13-0725	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	36.87
32 31 13 13-0726	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	41.70
32 31 13 13-0727	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	50.18
32 31 13 13-0728	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	60.07

32 31 13 13-0729 Fence And Gate Repair And Replacement *(32 31 13 13)*

32 31 13 13-0730 Fence And Gate Parts Replacement *(32 31 13 13-0729)*

32 31 13 13-0731	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	134.93
32 31 13 13-0732	EA	Sliding Gate Roller Assembly Replacement	131.43
32 31 13 13-0733	EA	Rod And Lock Gate Keeper Replacement	134.81

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0734	EA	Galvanized Gate Holdback Replacement	29.44	
32 31 13 13-0735	LF	3/8" Cross Bracing Rod Replacement	1.74	
32 31 13 13-0736	LF	1-5/8" Diagonal Pipe Bracing Replacement	2.71	
32 31 13 13-0737	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	28.20	
32 31 13 13-0738	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	32.21	
32 31 13 13-0739	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	36.34	
32 31 13 13-0740	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	53.99	
32 31 13 13-0741	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	111.74	
32 31 13 13-0742	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	27.85	
32 31 13 13-0743	EA	3" x 2" Off Set Gate Hinge Replacement	29.06	
32 31 13 13-0744	EA	4" x 2" Off Set Gate Hinge Replacement	30.99	
32 31 13 13-0745	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	51.09	
32 31 13 13-0746	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	80.89	
32 31 13 13-0747	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	6.06	
32 31 13 13-0748	EA	2" Aluminum Die-Cast Post Cap Replacement	6.65	
32 31 13 13-0749	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	7.78	
32 31 13 13-0750	EA	3" Aluminum Die-Cast Post Cap Replacement	9.07	
32 31 13 13-0751	EA	2" Galvanized Post Cap Replacement	6.79	
32 31 13 13-0752	EA	2-1/2" Galvanized Post Cap Replacement	7.35	
32 31 13 13-0753	EA	3" Galvanized Post Cap Replacement	8.43	
32 31 13 13-0754	EA	4" Galvanized Post Cap Replacement	12.64	
32 31 13 13-0755	EA	6-5/8" Galvanized Post Cap Replacement	24.12	
32 31 13 13-0756	EA	8-5/8" Galvanized Post Cap Replacement	39.75	
32 31 13 13-0757	EA	1-5/8" Boulevard Clamp Replacement	11.28	
32 31 13 13-0758	EA	2" Boulevard Clamp Replacement	13.76	
32 31 13 13-0759	EA	2-1/2" Boulevard Clamp Replacement	16.14	
32 31 13 13-0760	EA	3" Boulevard Clamp Replacement	19.59	
32 31 13 13-0761	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	11.05	
32 31 13 13-0762	EA	2" Gate Brace Or End Rail Clamp Replacement	13.44	
32 31 13 13-0763	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	15.82	
32 31 13 13-0764	EA	3" Gate Brace Or End Rail Clamp Replacement	19.25	
32 31 13 13-0765	EA	1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.36	
32 31 13 13-0766	EA	1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.46	
32 31 13 13-0767	EA	2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.74	
32 31 13 13-0768	EA	2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.61	
32 31 13 13-0769	EA	3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.82	
32 31 13 13-0770	EA	3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.99	
32 31 13 13-0771	EA	4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.48	
32 31 13 13-0772	EA	6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	16.08	

32 31 13 13-0773 Removal And Reinstallation Of Chain Link Fences *(32 31 13 13)*

Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.

32 31 13 13-0774	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	20.70	
32 31 13 13-0775	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	31.05	

32 31 13 13-0776 Ballfield Fencing *(32 31 13 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 13-0777 Concrete Bases For Ballfield Poles, Cast In Place *(32 31 13 13-0776)*

Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.

32 31 13 13-0778	VLF	2-1/2' Diameter Concrete Base For Ballfield Poles	139.29	
32 31 13 13-0779	VLF	3' Diameter Concrete Base For Ballfield Poles	165.66	
32 31 13 13-0780	VLF	3-1/2' Diameter Concrete Base For Ballfield Poles	209.70	
32 31 13 13-0781	VLF	4' Diameter Concrete Base For Ballfield Poles	249.10	

32 31 13 13-0782 Ballfield Poles *(32 31 13 13-0776)*

32 31 13 13-0783	EA	20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 10' above grade	8,371.13	719.61
32 31 13 13-0784	EA	25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 15' above grade	10,384.32	899.51
32 31 13 13-0785	EA	30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 20' above grade	11,935.83	1,079.41
32 31 13 13-0786	EA	40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 30' above grade	16,041.33	1,259.32
32 31 13 13-0787	EA	50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 40' above grade	21,490.90	1,439.22
32 31 13 13-0788	EA	60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 50' above grade	24,015.79	1,619.12

32 31 13 13-0789 Ballfield Nylon Netting *(32 31 13 13-0776)*

Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.

32 31 13 13-0790	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.87	
32 31 13 13-0791	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.91	
32 31 13 13-0792	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.14	
32 31 13 13-0793	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.41	
32 31 13 13-0794	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.67	
32 31 13 13-0795	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.56	
32 31 13 13-0796	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	4.04	
32 31 13 13-0797	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	5.24	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0798		Ballfield Chainlink Netting *(32 31 13 13-0776)*		
		Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0799	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	3.98	1.32
		For 13 Gauge Fabric, Deduct	*-0.60*	
		For 11 Gauge Fabric, Deduct	*-0.34*	
		For 6 Gauge Fabric, Add	*1.07*	
		For 1" Mesh Fabric, Add	*1.01*	
		For 1-3/4" Mesh Fabric, Add	*0.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.20*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.27*	
32 31 13 13-0800		Ballfield Netting Accessories *(32 31 13 13-0776)*		
32 31 13 13-0801	EA	Sliding Clip For Ballfield Netting	9.19	
32 31 13 13-0802	EA	1/4" Utility Spring Swing Clip For Ballfield Netting	4.14	
32 31 13 13-0803	EA	5/16" Utility Spring Swing Clip For Ballfield Netting	4.34	
32 31 13 13-0804	EA	3/8" Utility Spring Swing Clip For Ballfield Netting	4.65	
32 31 16		**Welded Wire Fences and Gates** *(32 31)*		
32 31 16 00-0001		Welded Wire Fence *(32 31 16)*		
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh *(32 31 16 00-0001)*		
		Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.35	1.86
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	11.19	1.86
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh *(32 31 16 00-0001)*		
		Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.18	1.86
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.92	1.86
32 31 19		**Decorative Metal Fences and Gates** *(32 31)*		
		See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		Wrought Iron Fence *(32 31 19)*		
		Note: Factory primed.		
32 31 19 00-0002		Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center *(32 31 19 00-0001)*		
		Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF	3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	45.49	11.39
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*8.42*	
		For Verticals Up To 2" On Center, Add	*7.27*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.54*	
		For Verticals >2-1/2" To 3" On Center, Add	*1.82*	
		For Verticals >4" To 6" On Center, Deduct	*-2.04*	
		For Pickets Extending Above Top Rail, Add	*3.98*	
		For Curved Pickets Extending Above Top Rail, Add	*9.09*	
32 31 19 00-0004	LF	4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	58.08	14.49
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*10.67*	
		For Verticals Up To 2" On Center, Add	*9.64*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.02*	
		For Verticals >2-1/2" To 3" On Center, Add	*2.41*	
		For Verticals >4" To 6" On Center, Deduct	*-2.71*	
		For Pickets Extending Above Top Rail, Add	*5.16*	
		For Curved Pickets Extending Above Top Rail, Add	*11.89*	
32 31 19 00-0005	LF	5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	68.41	15.11
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*12.39*	
		For Verticals Up To 2" On Center, Add	*12.15*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.60*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.04*	
		For Verticals >4" To 6" On Center, Deduct	*-3.42*	
		For Pickets Extending Above Top Rail, Add	*6.27*	
		For Curved Pickets Extending Above Top Rail, Add	*14.63*	
32 31 19 00-0006	LF	6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	82.75	18.22
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*14.97*	
		For Verticals Up To 2" On Center, Add	*14.80*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.25*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.70*	
		For Verticals >4" To 6" On Center, Deduct	*-4.16*	
		For Pickets Extending Above Top Rail, Add	*7.61*	
		For Curved Pickets Extending Above Top Rail, Add	*17.77*	
32 31 19 00-0007	LF	7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	96.02	19.28
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*17.10*	
		For Verticals Up To 2" On Center, Add	*18.39*	
		For Verticals >2" To 2-1/2" On Center, Add	*11.49*	
		For Verticals >2-1/2" To 3" On Center, Add	*4.60*	
		For Verticals >4" To 6" On Center, Deduct	*-5.17*	
		For Pickets Extending Above Top Rail, Add	*9.11*	
		For Curved Pickets Extending Above Top Rail, Add	*21.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0008	LF	8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	109.26	20.28
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*19.23*	
		For Verticals Up To 2" On Center, Add	*21.98*	
		For Verticals >2" To 2-1/2" On Center, Add	*13.74*	
		For Verticals >2-1/2" To 3" On Center, Add	*5.50*	
		For Verticals >4" To 6" On Center, Deduct	*-6.18*	
		For Pickets Extending Above Top Rail, Add	*10.61*	
		For Curved Pickets Extending Above Top Rail, Add	*25.37*	
32 31 19 00-0009	LF	10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	132.07	22.77
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*23.00*	
		For Verticals Up To 2" On Center, Add	*27.69*	
		For Verticals >2" To 2-1/2" On Center, Add	*17.31*	
		For Verticals >2-1/2" To 3" On Center, Add	*6.92*	
		For Verticals >4" To 6" On Center, Deduct	*-7.79*	
		For Pickets Extending Above Top Rail, Add	*13.09*	
		For Curved Pickets Extending Above Top Rail, Add	*31.54*	
32 31 19 00-0010	LF	12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	155.66	25.88
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*26.97*	
		For Verticals Up To 2" On Center, Add	*33.25*	
		For Verticals >2" To 2-1/2" On Center, Add	*20.78*	
		For Verticals >2-1/2" To 3" On Center, Add	*8.31*	
		For Verticals >4" To 6" On Center, Deduct	*-9.35*	
		For Pickets Extending Above Top Rail, Add	*15.58*	
		For Curved Pickets Extending Above Top Rail, Add	*37.65*	
32 31 19 00-0011		**Wrought Iron Gates** *(32 31 19 00-0001)*		
		Note: Factory primed.		
32 31 19 00-0012		**Single Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	55.78	13.87
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	73.17	17.18
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	89.04	20.70
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	108.07	24.84
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	142.53	27.53
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	171.27	30.43
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	199.50	34.57
32 31 19 00-0020		**Double Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	67.96	12.42
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	89.02	15.52
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	107.87	18.63
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	130.50	22.36
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	172.92	24.84
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	208.16	27.33
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	242.93	31.05
32 31 19 00-0028		**Repair Or Replace Wrought Iron Fence** *(32 31 19 00-0001)*		
32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	19.53	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	28.71	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	82.81	
32 31 19 00-0032		**Steel Tube Fence, Powder Coated** *(32 31 19)*		
		Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033		**Steel Tube Fence, 2 Rail** *(32 31 19 00-0032)*		
		Note: 6 foot long panel sections.		
32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	81.18	11.39
		For Verticals Up To 2" On Center, Add	*11.77*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.89*	
		For Verticals >3" To 4" On Center, Deduct	*-5.89*	
		For Verticals >4" To 6" On Center, Deduct	*-11.77*	
		For Pickets Extending Above Top Rail, Add	*6.12*	
		For Curved Pickets Extending Above Top Rail, Add	*10.80*	
		For Solid Pickets, Add	*16.59*	
		For Aluminum With Satin Finish, Add	*14.31*	
		For Third Rail, Add	*4.42*	
		For 1" Square x 14 Gauge Pickets, Add	*14.72*	
		For 3" Square Posts, Add	*7.36*	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	86.80	12.17
		For Verticals Up To 2" On Center, Add	*12.49*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.25*	
		For Verticals >3" To 4" On Center, Deduct	*-6.25*	
		For Verticals >4" To 6" On Center, Deduct	*-12.49*	
		For Pickets Extending Above Top Rail, Add	*6.53*	
		For Curved Pickets Extending Above Top Rail, Add	*11.51*	
		For Solid Pickets, Add	*17.70*	
		For Aluminum With Satin Finish, Add	*15.09*	
		For Third Rail, Add	*4.68*	
		For 1" Square x 14 Gauge Pickets, Add	*15.62*	
		For 3" Square Posts, Add	*7.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	91.76	13.46
		For Verticals Up To 2" On Center, Add	*13.08*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.54*	
		For Verticals >3" To 4" On Center, Deduct	*-6.54*	
		For Verticals >4" To 6" On Center, Deduct	*-13.08*	
		For Pickets Extending Above Top Rail, Add	*6.88*	
		For Curved Pickets Extending Above Top Rail, Add	*12.11*	
		For Solid Pickets, Add	*18.67*	
		For Aluminum With Satin Finish, Add	*15.66*	
		For Third Rail, Add	*4.90*	
		For 1" Square x 14 Gauge Pickets, Add	*16.35*	
		For 3" Square Posts, Add	*8.17*	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	97.46	15.11
		For Verticals Up To 2" On Center, Add	*13.41*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.70*	
		For Verticals >3" To 4" On Center, Deduct	*-6.70*	
		For Verticals >4" To 6" On Center, Deduct	*-13.41*	
		For Pickets Extending Above Top Rail, Add	*7.22*	
		For Curved Pickets Extending Above Top Rail, Add	*12.67*	
		For Solid Pickets, Add	*19.65*	
		For Aluminum With Satin Finish, Add	*15.54*	
		For Third Rail, Add	*5.03*	
		For 1" Square x 14 Gauge Pickets, Add	*16.76*	
		For 3" Square Posts, Add	*8.38*	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	113.16	17.07
		For Verticals Up To 2" On Center, Add	*15.80*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.90*	
		For Verticals >3" To 4" On Center, Deduct	*-7.90*	
		For Verticals >4" To 6" On Center, Deduct	*-15.80*	
		For Pickets Extending Above Top Rail, Add	*8.42*	
		For Curved Pickets Extending Above Top Rail, Add	*14.81*	
		For Solid Pickets, Add	*22.90*	
		For Aluminum With Satin Finish, Add	*18.58*	
		For Third Rail, Add	*5.93*	
		For 1" Square x 14 Gauge Pickets, Add	*19.75*	
		For 3" Square Posts, Add	*9.88*	
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	129.81	18.63
		For Verticals Up To 2" On Center, Add	*18.51*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.26*	
		For Verticals >3" To 4" On Center, Deduct	*-9.26*	
		For Verticals >4" To 6" On Center, Deduct	*-18.51*	
		For Pickets Extending Above Top Rail, Add	*9.73*	
		For Curved Pickets Extending Above Top Rail, Add	*17.14*	
		For Solid Pickets, Add	*26.41*	
		For Aluminum With Satin Finish, Add	*22.18*	
		For Third Rail, Add	*6.94*	
		For 1" Square x 14 Gauge Pickets, Add	*23.14*	
		For 4" Square Posts, Add	*32.39*	
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	146.68	20.28
		For Verticals Up To 2" On Center, Add	*21.22*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.61*	
		For Verticals >3" To 4" On Center, Deduct	*-10.61*	
		For Verticals >4" To 6" On Center, Deduct	*-21.22*	
		For Pickets Extending Above Top Rail, Add	*11.05*	
		For Curved Pickets Extending Above Top Rail, Add	*19.49*	
		For Solid Pickets, Add	*29.96*	
		For Aluminum With Satin Finish, Add	*25.75*	
		For Third Rail, Add	*7.96*	
		For 1" Square x 14 Gauge Pickets, Add	*26.53*	
		For 4" Square Posts, Add	*37.14*	
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	171.06	21.74
		For Verticals Up To 2" On Center, Add	*25.52*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.76*	
		For Verticals >3" To 4" On Center, Deduct	*-12.76*	
		For Verticals >4" To 6" On Center, Deduct	*-25.52*	
		For Pickets Extending Above Top Rail, Add	*13.02*	
		For Curved Pickets Extending Above Top Rail, Add	*23.04*	
		For Solid Pickets, Add	*35.23*	
		For Aluminum With Satin Finish, Add	*31.76*	
		For Third Rail, Add	*9.57*	
		For 1" Square x 14 Gauge Pickets, Add	*31.90*	
		For 4" Square Posts, Add	*44.66*	
32 31 19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	195.64	23.29
		For Verticals Up To 2" On Center, Add	*29.81*	
		For Verticals >2" To 2-1/2" On Center, Add	*14.91*	
		For Verticals >3" To 4" On Center, Deduct	*-14.91*	
		For Verticals >4" To 6" On Center, Deduct	*-29.81*	
		For Pickets Extending Above Top Rail, Add	*15.00*	
		For Curved Pickets Extending Above Top Rail, Add	*26.60*	
		For Solid Pickets, Add	*40.53*	
		For Aluminum With Satin Finish, Add	*37.74*	
		For Third Rail, Add	*11.18*	
		For 1" Square x 14 Gauge Pickets, Add	*37.27*	
		For 6" Square Posts, Add	*52.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	230.90	25.88
		For Verticals Up To 2" On Center, Add	*35.83*	
		For Verticals >2" To 2-1/2" On Center, Add	*17.91*	
		For Verticals >3" To 4" On Center, Deduct	*-17.91*	
		For Verticals >4" To 6" On Center, Deduct	*-35.83*	
		For Pickets Extending Above Top Rail, Add	*17.81*	
		For Curved Pickets Extending Above Top Rail, Add	*31.65*	
		For Solid Pickets, Add	*48.07*	
		For Aluminum With Satin Finish, Add	*45.98*	
		For Third Rail, Add	*13.44*	
		For 1" Square x 14 Gauge Pickets, Add	*44.79*	
		For 6" Square Posts, Add	*62.70*	
32 31 19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	247.27	27.94
		For Verticals Up To 2" On Center, Add	*38.27*	
		For Verticals >2" To 2-1/2" On Center, Add	*19.14*	
		For Verticals >3" To 4" On Center, Deduct	*-19.14*	
		For Verticals >4" To 6" On Center, Deduct	*-38.27*	
		For Pickets Extending Above Top Rail, Add	*19.06*	
		For Curved Pickets Extending Above Top Rail, Add	*33.85*	
		For Solid Pickets, Add	*51.44*	
		For Aluminum With Satin Finish, Add	*49.03*	
		For Third Rail, Add	*14.35*	
		For 1" Square x 14 Gauge Pickets, Add	*47.84*	
		For 6" Square Posts, Add	*66.98*	

32 31 19 00-0045 Steel Tube Swing Gates *(32 31 19 00-0032)*

32 31 19 00-0046 3' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate	790.07	22.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*172.80*	
		For Aluminum With Satin Finish, Add	*207.21*	
		For Third Rail, Add	*54.29*	
		For 1" Square x 14 Gauge Pickets, Add	*72.38*	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	879.49	23.08
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*192.68*	
		For Aluminum With Satin Finish, Add	*232.64*	
		For Third Rail, Add	*60.76*	
		For 1" Square x 14 Gauge Pickets, Add	*81.01*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate	973.85	24.43
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*213.61*	
		For Aluminum With Satin Finish, Add	*259.09*	
		For Third Rail, Add	*67.53*	
		For 1" Square x 14 Gauge Pickets, Add	*90.04*	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	1,024.16	26.18
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*224.54*	
		For Aluminum With Satin Finish, Add	*271.85*	
		For Third Rail, Add	*70.91*	
		For 1" Square x 14 Gauge Pickets, Add	*94.55*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	1,143.65	31.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*250.26*	
		For Aluminum With Satin Finish, Add	*300.71*	
		For Third Rail, Add	*78.71*	
		For 1" Square x 14 Gauge Pickets, Add	*104.95*	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	1,216.06	36.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*265.38*	
		For Aluminum With Satin Finish, Add	*315.44*	
		For Third Rail, Add	*82.98*	
		For 1" Square x 14 Gauge Pickets, Add	*110.63*	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,326.77	42.02
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*289.05*	
		For Aluminum With Satin Finish, Add	*341.21*	
		For Third Rail, Add	*90.04*	
		For 1" Square x 14 Gauge Pickets, Add	*120.05*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	1,422.72	47.20
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*309.48*	
		For Aluminum With Satin Finish, Add	*363.01*	
		For Third Rail, Add	*96.07*	
		For 1" Square x 14 Gauge Pickets, Add	*128.09*	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,506.90	52.37
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*327.25*	
		For Aluminum With Satin Finish, Add	*381.28*	
		For Third Rail, Add	*101.22*	
		For 1" Square x 14 Gauge Pickets, Add	*134.96*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,652.53	44.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*361.88*	
		For Aluminum With Satin Finish, Add	*436.14*	
		For Third Rail, Add	*114.00*	
		For 1" Square x 14 Gauge Pickets, Add	*152.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,760.93	46.16
		For Solid Pickets, Add	*385.81*	
		For Aluminum With Satin Finish, Add	*465.87*	
		For Third Rail, Add	*121.67*	
		For 1" Square x 14 Gauge Pickets, Add	*162.22*	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,947.72	48.95
		For Solid Pickets, Add	*427.21*	
		For Aluminum With Satin Finish, Add	*518.18*	
		For Third Rail, Add	*135.06*	
		For 1" Square x 14 Gauge Pickets, Add	*180.08*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,041.17	50.71
		For Solid Pickets, Add	*447.85*	
		For Aluminum With Satin Finish, Add	*543.88*	
		For Third Rail, Add	*141.68*	
		For 1" Square x 14 Gauge Pickets, Add	*188.90*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,116.96	52.37
		For Solid Pickets, Add	*464.52*	
		For Aluminum With Satin Finish, Add	*564.29*	
		For Third Rail, Add	*146.97*	
		For 1" Square x 14 Gauge Pickets, Add	*195.96*	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,381.44	62.73
		For Solid Pickets, Add	*521.70*	
		For Aluminum With Satin Finish, Add	*629.67*	
		For Third Rail, Add	*164.48*	
		For 1" Square x 14 Gauge Pickets, Add	*219.31*	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,608.65	73.07
		For Solid Pickets, Add	*570.49*	
		For Aluminum With Satin Finish, Add	*683.86*	
		For Third Rail, Add	*179.19*	
		For 1" Square x 14 Gauge Pickets, Add	*238.92*	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,798.71	84.15
		For Solid Pickets, Add	*610.77*	
		For Aluminum With Satin Finish, Add	*725.97*	
		For Third Rail, Add	*190.96*	
		For 1" Square x 14 Gauge Pickets, Add	*254.62*	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,957.26	94.39
		For Solid Pickets, Add	*644.11*	
		For Aluminum With Satin Finish, Add	*759.56*	
		For Third Rail, Add	*200.52*	
		For 1" Square x 14 Gauge Pickets, Add	*267.37*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,086.38	104.75
		For Solid Pickets, Add	*670.84*	
		For Aluminum With Satin Finish, Add	*784.33*	
		For Third Rail, Add	*207.88*	
		For 1" Square x 14 Gauge Pickets, Add	*277.17*	

32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	913.35	20.70
		For Solid Pickets, Add	*200.26*	
		For Aluminum With Satin Finish, Add	*242.57*	
		For Third Rail, Add	*63.26*	
		For 1" Square x 14 Gauge Pickets, Add	*84.35*	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	988.52	24.12
		For Solid Pickets, Add	*216.98*	
		For Aluminum With Satin Finish, Add	*263.95*	
		For Third Rail, Add	*68.71*	
		For 1" Square x 14 Gauge Pickets, Add	*91.61*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,066.27	25.88
		For Solid Pickets, Add	*234.09*	
		For Aluminum With Satin Finish, Add	*284.95*	
		For Third Rail, Add	*74.15*	
		For 1" Square x 14 Gauge Pickets, Add	*98.87*	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,130.30	27.53
		For Solid Pickets, Add	*248.11*	
		For Aluminum With Satin Finish, Add	*301.83*	
		For Third Rail, Add	*78.56*	
		For 1" Square x 14 Gauge Pickets, Add	*104.75*	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,217.47	33.12
		For Solid Pickets, Add	*266.48*	
		For Aluminum With Satin Finish, Add	*320.53*	
		For Third Rail, Add	*83.86*	
		For 1" Square x 14 Gauge Pickets, Add	*111.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate	1,336.04	38.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*291.92*	
		For Aluminum With Satin Finish, Add	*348.65*	
		For Third Rail, Add	*91.51*	
		For 1" Square x 14 Gauge Pickets, Add	*122.01*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate	1,499.73	44.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*327.50*	
		For Aluminum With Satin Finish, Add	*390.30*	
		For Third Rail, Add	*102.54*	
		For 1" Square x 14 Gauge Pickets, Add	*136.72*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate	1,659.47	49.68
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*362.20*	
		For Aluminum With Satin Finish, Add	*430.77*	
		For Third Rail, Add	*113.28*	
		For 1" Square x 14 Gauge Pickets, Add	*151.04*	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate	1,811.38	55.17
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*395.14*	
		For Aluminum With Satin Finish, Add	*468.89*	
		For Third Rail, Add	*123.43*	
		For 1" Square x 14 Gauge Pickets, Add	*164.58*	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate	1,826.70	46.57
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*400.53*	
		For Aluminum With Satin Finish, Add	*485.14*	
		For Third Rail, Add	*126.52*	
		For 1" Square x 14 Gauge Pickets, Add	*168.70*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate	1,977.03	48.23
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*433.96*	
		For Aluminum With Satin Finish, Add	*527.90*	
		For Third Rail, Add	*137.41*	
		For 1" Square x 14 Gauge Pickets, Add	*183.21*	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate	2,132.55	51.76
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*468.18*	
		For Aluminum With Satin Finish, Add	*569.90*	
		For Third Rail, Add	*148.30*	
		For 1" Square x 14 Gauge Pickets, Add	*197.73*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate	2,255.42	53.41
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*495.44*	
		For Aluminum With Satin Finish, Add	*604.43*	
		For Third Rail, Add	*157.12*	
		For 1" Square x 14 Gauge Pickets, Add	*209.50*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate	2,358.67	55.17
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*518.28*	
		For Aluminum With Satin Finish, Add	*633.08*	
		For Third Rail, Add	*164.48*	
		For 1" Square x 14 Gauge Pickets, Add	*219.31*	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate	2,676.23	66.14
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*587.25*	
		For Aluminum With Satin Finish, Add	*713.44*	
		For Third Rail, Add	*185.81*	
		For 1" Square x 14 Gauge Pickets, Add	*247.75*	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate	2,954.55	77.21
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*647.39*	
		For Aluminum With Satin Finish, Add	*782.03*	
		For Third Rail, Add	*204.20*	
		For 1" Square x 14 Gauge Pickets, Add	*272.27*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate	3,195.59	88.18
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*699.14*	
		For Aluminum With Satin Finish, Add	*839.45*	
		For Third Rail, Add	*219.80*	
		For 1" Square x 14 Gauge Pickets, Add	*293.06*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate	3,403.30	99.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*743.39*	
		For Aluminum With Satin Finish, Add	*886.85*	
		For Third Rail, Add	*232.89*	
		For 1" Square x 14 Gauge Pickets, Add	*310.52*	
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate	3,579.61	110.33
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*780.57*	
		For Aluminum With Satin Finish, Add	*924.84*	
		For Third Rail, Add	*243.63*	
		For 1" Square x 14 Gauge Pickets, Add	*324.84*	

32 31 19 00-0086 5' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate	994.40	24.12
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*218.31*	
		For Aluminum With Satin Finish, Add	*265.72*	
		For Third Rail, Add	*69.15*	
		For 1" Square x 14 Gauge Pickets, Add	*92.20*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate	1,048.61	25.88
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*230.12*	
		For Aluminum With Satin Finish, Add	*279.65*	
		For Third Rail, Add	*72.82*	
		For 1" Square x 14 Gauge Pickets, Add	*97.10*	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate	1,100.88	27.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*241.49*	
		For Aluminum With Satin Finish, Add	*293.00*	
		For Third Rail, Add	*76.36*	
		For 1" Square x 14 Gauge Pickets, Add	*101.81*	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate	1,176.67	29.29
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*258.15*	
		For Aluminum With Satin Finish, Add	*313.41*	
		For Third Rail, Add	*81.65*	
		For 1" Square x 14 Gauge Pickets, Add	*108.87*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate	1,278.62	35.19
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*279.77*	
		For Aluminum With Satin Finish, Add	*336.08*	
		For Third Rail, Add	*87.98*	
		For 1" Square x 14 Gauge Pickets, Add	*117.30*	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate	1,413.90	40.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*308.89*	
		For Aluminum With Satin Finish, Add	*368.74*	
		For Third Rail, Add	*96.80*	
		For 1" Square x 14 Gauge Pickets, Add	*129.07*	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate	1,603.20	47.20
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*350.08*	
		For Aluminum With Satin Finish, Add	*417.15*	
		For Third Rail, Add	*109.60*	
		For 1" Square x 14 Gauge Pickets, Add	*146.14*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate	1,787.52	53.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*390.24*	
		For Aluminum With Satin Finish, Add	*464.53*	
		For Third Rail, Add	*122.11*	
		For 1" Square x 14 Gauge Pickets, Add	*162.81*	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate	1,967.93	58.89
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*429.51*	
		For Aluminum With Satin Finish, Add	*510.73*	
		For Third Rail, Add	*134.32*	
		For 1" Square x 14 Gauge Pickets, Add	*179.09*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate	1,960.03	40.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*432.30*	
		For Aluminum With Satin Finish, Add	*535.75*	
		For Third Rail, Add	*138.29*	
		For 1" Square x 14 Gauge Pickets, Add	*184.39*	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate	2,075.50	47.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*456.83*	
		For Aluminum With Satin Finish, Add	*561.68*	
		For Third Rail, Add	*145.50*	
		For 1" Square x 14 Gauge Pickets, Add	*194.00*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate	2,192.12	54.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*481.53*	
		For Aluminum With Satin Finish, Add	*587.45*	
		For Third Rail, Add	*152.71*	
		For 1" Square x 14 Gauge Pickets, Add	*203.61*	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate	2,352.72	61.38
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*516.21*	
		For Aluminum With Satin Finish, Add	*626.91*	
		For Third Rail, Add	*163.30*	
		For 1" Square x 14 Gauge Pickets, Add	*217.74*	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate	2,493.69	68.10
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*546.48*	
		For Aluminum With Satin Finish, Add	*660.50*	
		For Third Rail, Add	*172.43*	
		For 1" Square x 14 Gauge Pickets, Add	*229.90*	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate	2,838.97	75.76
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*622.55*	
		For Aluminum With Satin Finish, Add	*754.35*	
		For Third Rail, Add	*196.70*	
		For 1" Square x 14 Gauge Pickets, Add	*262.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,149.28	84.04
		For Solid Pickets, Add	*690.57*	
		For Aluminum With Satin Finish, Add	*836.68*	
		For Third Rail, Add	*218.18*	
		For 1" Square x 14 Gauge Pickets, Add	*290.91*	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,426.55	93.26
		For Solid Pickets, Add	*750.99*	
		For Aluminum With Satin Finish, Add	*908.08*	
		For Third Rail, Add	*237.01*	
		For 1" Square x 14 Gauge Pickets, Add	*316.01*	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,675.85	103.60
		For Solid Pickets, Add	*804.87*	
		For Aluminum With Satin Finish, Add	*969.55*	
		For Third Rail, Add	*253.49*	
		For 1" Square x 14 Gauge Pickets, Add	*337.98*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,897.19	115.20
		For Solid Pickets, Add	*852.19*	
		For Aluminum With Satin Finish, Add	*1,021.09*	
		For Third Rail, Add	*267.61*	
		For 1" Square x 14 Gauge Pickets, Add	*356.82*	

32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,035.00	26.50
		For Solid Pickets, Add	*226.90*	
		For Aluminum With Satin Finish, Add	*274.64*	
		For Third Rail, Add	*71.65*	
		For 1" Square x 14 Gauge Pickets, Add	*95.53*	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,088.18	27.94
		For Solid Pickets, Add	*238.55*	
		For Aluminum With Satin Finish, Add	*288.73*	
		For Third Rail, Add	*75.33*	
		For 1" Square x 14 Gauge Pickets, Add	*100.43*	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,142.10	29.50
		For Solid Pickets, Add	*250.32*	
		For Aluminum With Satin Finish, Add	*302.71*	
		For Third Rail, Add	*79.00*	
		For 1" Square x 14 Gauge Pickets, Add	*105.34*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,208.38	31.36
		For Solid Pickets, Add	*264.82*	
		For Aluminum With Satin Finish, Add	*320.13*	
		For Third Rail, Add	*83.56*	
		For 1" Square x 14 Gauge Pickets, Add	*111.42*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,355.54	37.88
		For Solid Pickets, Add	*296.46*	
		For Aluminum With Satin Finish, Add	*355.43*	
		For Third Rail, Add	*93.13*	
		For 1" Square x 14 Gauge Pickets, Add	*124.17*	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,512.51	44.51
		For Solid Pickets, Add	*330.30*	
		For Aluminum With Satin Finish, Add	*393.67*	
		For Third Rail, Add	*103.43*	
		For 1" Square x 14 Gauge Pickets, Add	*137.90*	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,688.07	50.71
		For Solid Pickets, Add	*368.41*	
		For Aluminum With Satin Finish, Add	*437.96*	
		For Third Rail, Add	*115.19*	
		For 1" Square x 14 Gauge Pickets, Add	*153.59*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,856.83	57.24
		For Solid Pickets, Add	*404.90*	
		For Aluminum With Satin Finish, Add	*479.73*	
		For Third Rail, Add	*126.38*	
		For 1" Square x 14 Gauge Pickets, Add	*168.50*	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,062.84	63.76
		For Solid Pickets, Add	*449.78*	
		For Aluminum With Satin Finish, Add	*532.69*	
		For Third Rail, Add	*140.35*	
		For 1" Square x 14 Gauge Pickets, Add	*187.14*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,035.84	43.88
		For Solid Pickets, Add	*448.67*	
		For Aluminum With Satin Finish, Add	*554.39*	
		For Third Rail, Add	*143.30*	
		For 1" Square x 14 Gauge Pickets, Add	*191.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,155.55	51.44
		For Solid Pickets, Add	*473.98*	
		For Aluminum With Satin Finish, Add	*580.57*	
		For Third Rail, Add	*150.65*	
		For 1" Square x 14 Gauge Pickets, Add	*200.87*	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,274.12	58.58
		For Solid Pickets, Add	*499.13*	
		For Aluminum With Satin Finish, Add	*606.92*	
		For Third Rail, Add	*158.01*	
		For 1" Square x 14 Gauge Pickets, Add	*210.68*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,417.38	66.14
		For Solid Pickets, Add	*529.74*	
		For Aluminum With Satin Finish, Add	*640.16*	
		For Third Rail, Add	*167.13*	
		For 1" Square x 14 Gauge Pickets, Add	*222.84*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,643.01	73.70
		For Solid Pickets, Add	*578.88*	
		For Aluminum With Satin Finish, Add	*698.12*	
		For Third Rail, Add	*182.43*	
		For 1" Square x 14 Gauge Pickets, Add	*243.24*	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,100.43	82.08
		For Solid Pickets, Add	*680.01*	
		For Aluminum With Satin Finish, Add	*824.59*	
		For Third Rail, Add	*214.94*	
		For 1" Square x 14 Gauge Pickets, Add	*286.59*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,245.45	91.70
		For Solid Pickets, Add	*710.59*	
		For Aluminum With Satin Finish, Add	*855.80*	
		For Third Rail, Add	*223.77*	
		For 1" Square x 14 Gauge Pickets, Add	*298.36*	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,563.41	102.05
		For Solid Pickets, Add	*779.91*	
		For Aluminum With Satin Finish, Add	*937.87*	
		For Third Rail, Add	*245.40*	
		For 1" Square x 14 Gauge Pickets, Add	*327.20*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,855.36	113.54
		For Solid Pickets, Add	*843.12*	
		For Aluminum With Satin Finish, Add	*1,010.59*	
		For Third Rail, Add	*264.82*	
		For 1" Square x 14 Gauge Pickets, Add	*353.09*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,126.36	126.69
		For Solid Pickets, Add	*901.28*	
		For Aluminum With Satin Finish, Add	*1,074.99*	
		For Third Rail, Add	*282.32*	
		For 1" Square x 14 Gauge Pickets, Add	*376.43*	

32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,096.44	28.67
		For Solid Pickets, Add	*240.23*	
		For Aluminum With Satin Finish, Add	*290.13*	
		For Third Rail, Add	*75.77*	
		For 1" Square x 14 Gauge Pickets, Add	*101.02*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,152.00	30.22
		For Solid Pickets, Add	*252.39*	
		For Aluminum With Satin Finish, Add	*304.75*	
		For Third Rail, Add	*79.59*	
		For 1" Square x 14 Gauge Pickets, Add	*106.12*	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,207.77	31.78
		For Solid Pickets, Add	*264.58*	
		For Aluminum With Satin Finish, Add	*319.34*	
		For Third Rail, Add	*83.42*	
		For 1" Square x 14 Gauge Pickets, Add	*111.22*	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,263.62	33.43
		For Solid Pickets, Add	*276.79*	
		For Aluminum With Satin Finish, Add	*333.91*	
		For Third Rail, Add	*87.24*	
		For 1" Square x 14 Gauge Pickets, Add	*116.32*	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,461.90	40.67
		For Solid Pickets, Add	*319.77*	
		For Aluminum With Satin Finish, Add	*383.61*	
		For Third Rail, Add	*100.48*	
		For 1" Square x 14 Gauge Pickets, Add	*133.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate	1,643.45	47.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*359.06*	
		For Aluminum With Satin Finish, Add	*428.76*	
		For Third Rail, Add	*112.55*	
		For 1" Square x 14 Gauge Pickets, Add	*150.06*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate	1,775.04	54.75
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*387.04*	
		For Aluminum With Satin Finish, Add	*458.46*	
		For Third Rail, Add	*120.79*	
		For 1" Square x 14 Gauge Pickets, Add	*161.05*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate	1,925.20	61.68
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*419.28*	
		For Aluminum With Satin Finish, Add	*494.19*	
		For Third Rail, Add	*130.50*	
		For 1" Square x 14 Gauge Pickets, Add	*173.99*	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate	2,109.75	68.93
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*459.17*	
		For Aluminum With Satin Finish, Add	*539.78*	
		For Third Rail, Add	*142.71*	
		For 1" Square x 14 Gauge Pickets, Add	*190.28*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate	2,154.80	46.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*474.75*	
		For Aluminum With Satin Finish, Add	*585.98*	
		For Third Rail, Add	*151.53*	
		For 1" Square x 14 Gauge Pickets, Add	*202.05*	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate	2,279.57	54.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*501.12*	
		For Aluminum With Satin Finish, Add	*613.17*	
		For Third Rail, Add	*159.18*	
		For 1" Square x 14 Gauge Pickets, Add	*212.25*	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate	2,405.47	63.34
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*527.65*	
		For Aluminum With Satin Finish, Add	*640.18*	
		For Third Rail, Add	*166.83*	
		For 1" Square x 14 Gauge Pickets, Add	*222.45*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate	2,532.22	71.31
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*554.46*	
		For Aluminum With Satin Finish, Add	*667.96*	
		For Third Rail, Add	*174.63*	
		For 1" Square x 14 Gauge Pickets, Add	*232.84*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate	2,852.32	79.70
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*624.69*	
		For Aluminum With Satin Finish, Add	*753.23*	
		For Third Rail, Add	*196.85*	
		For 1" Square x 14 Gauge Pickets, Add	*262.46*	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate	3,449.34	88.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*757.06*	
		For Aluminum With Satin Finish, Add	*920.55*	
		For Third Rail, Add	*239.66*	
		For 1" Square x 14 Gauge Pickets, Add	*319.55*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate	3,409.46	99.68
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*745.78*	
		For Aluminum With Satin Finish, Add	*894.75*	
		For Third Rail, Add	*234.36*	
		For 1" Square x 14 Gauge Pickets, Add	*312.48*	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate	3,693.56	111.16
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*807.23*	
		For Aluminum With Satin Finish, Add	*965.13*	
		For Third Rail, Add	*253.19*	
		For 1" Square x 14 Gauge Pickets, Add	*337.59*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate	4,033.22	124.31
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*880.83*	
		For Aluminum With Satin Finish, Add	*1,050.12*	
		For Third Rail, Add	*275.85*	
		For 1" Square x 14 Gauge Pickets, Add	*367.80*	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate	4,256.64	138.69
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*928.03*	
		For Aluminum With Satin Finish, Add	*1,098.70*	
		For Third Rail, Add	*289.53*	
		For 1" Square x 14 Gauge Pickets, Add	*386.04*	

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate	1,191.65	31.05
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*261.14*	
		For Aluminum With Satin Finish, Add	*315.58*	
		For Third Rail, Add	*82.39*	
		For 1" Square x 14 Gauge Pickets, Add	*109.85*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate	1,249.79	32.71
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*273.83*	
		For Aluminum With Satin Finish, Add	*330.69*	
		For Third Rail, Add	*86.36*	
		For 1" Square x 14 Gauge Pickets, Add	*115.15*	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate	1,311.85	34.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*287.40*	
		For Aluminum With Satin Finish, Add	*346.98*	
		For Third Rail, Add	*90.63*	
		For 1" Square x 14 Gauge Pickets, Add	*120.84*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate	1,366.90	38.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*298.90*	
		For Aluminum With Satin Finish, Add	*358.14*	
		For Third Rail, Add	*93.86*	
		For 1" Square x 14 Gauge Pickets, Add	*125.15*	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate	1,617.30	43.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*354.11*	
		For Aluminum With Satin Finish, Add	*426.51*	
		For Third Rail, Add	*111.52*	
		For 1" Square x 14 Gauge Pickets, Add	*148.69*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate	1,799.18	52.37
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*393.02*	
		For Aluminum With Satin Finish, Add	*468.96*	
		For Third Rail, Add	*123.14*	
		For 1" Square x 14 Gauge Pickets, Add	*164.19*	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate	1,878.02	60.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*408.81*	
		For Aluminum With Satin Finish, Add	*480.97*	
		For Third Rail, Add	*127.11*	
		For 1" Square x 14 Gauge Pickets, Add	*169.48*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate	2,012.82	69.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*437.13*	
		For Aluminum With Satin Finish, Add	*509.30*	
		For Third Rail, Add	*135.20*	
		For 1" Square x 14 Gauge Pickets, Add	*180.27*	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate	2,129.95	78.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*461.46*	
		For Aluminum With Satin Finish, Add	*532.33*	
		For Third Rail, Add	*141.97*	
		For 1" Square x 14 Gauge Pickets, Add	*189.29*	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate	2,342.41	50.20
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*516.28*	
		For Aluminum With Satin Finish, Add	*638.17*	
		For Third Rail, Add	*164.92*	
		For 1" Square x 14 Gauge Pickets, Add	*219.90*	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate	2,481.86	60.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*545.44*	
		For Aluminum With Satin Finish, Add	*666.68*	
		For Third Rail, Add	*173.16*	
		For 1" Square x 14 Gauge Pickets, Add	*230.88*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate	2,618.21	70.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*573.98*	
		For Aluminum With Satin Finish, Add	*694.78*	
		For Third Rail, Add	*181.25*	
		For 1" Square x 14 Gauge Pickets, Add	*241.67*	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate	2,732.16	80.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*597.40*	
		For Aluminum With Satin Finish, Add	*715.64*	
		For Third Rail, Add	*187.58*	
		For 1" Square x 14 Gauge Pickets, Add	*250.10*	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate	3,175.66	91.29
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*694.97*	
		For Aluminum With Satin Finish, Add	*835.37*	
		For Third Rail, Add	*218.62*	
		For 1" Square x 14 Gauge Pickets, Add	*291.49*	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate	3,959.97	102.77
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*868.96*	
		For Aluminum With Satin Finish, Add	*1,055.81*	
		For Third Rail, Add	*274.97*	
		For 1" Square x 14 Gauge Pickets, Add	*366.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,616.99	115.92
		For Solid Pickets, Add	*788.97*	
		For Aluminum With Satin Finish, Add	*936.01*	
		For Third Rail, Add	*246.43*	
		For 1" Square x 14 Gauge Pickets, Add	*328.57*	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,872.11	131.14
		For Solid Pickets, Add	*843.13*	
		For Aluminum With Satin Finish, Add	*993.07*	
		For Third Rail, Add	*262.31*	
		For 1" Square x 14 Gauge Pickets, Add	*349.75*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,267.14	147.80
		For Solid Pickets, Add	*928.43*	
		For Aluminum With Satin Finish, Add	*1,090.06*	
		For Third Rail, Add	*288.36*	
		For 1" Square x 14 Gauge Pickets, Add	*384.47*	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,352.02	166.53
		For Solid Pickets, Add	*943.51*	
		For Aluminum With Satin Finish, Add	*1,091.45*	
		For Third Rail, Add	*290.71*	
		For 1" Square x 14 Gauge Pickets, Add	*387.61*	

32 31 19 00-0166 Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*

32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket	30.75
		For 1" Square x 14 Gauge Pickets, Add	*1.01*

32 31 19 00-0168 Removal And Reinstallation Of Ornamental Fences *(32 31 19)*

Note: Including storage and cleaning. Excludes augering and concrete.

32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	46.57
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	51.23
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	55.90
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	60.55
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	65.21
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	69.86
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	77.62

32 31 23 Plastic Fences and Gates *(32 31)*

32 31 23 00-0001 Vinyl Fence *(32 31 23)*

32 31 23 00-0002 Privacy Tongue And Groove Vinyl Fence *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.

32 31 23 00-0003	LF	3' High Privacy Tongue And Groove Vinyl Fence	60.65	6.78
32 31 23 00-0004	LF	4' High Privacy Tongue And Groove Vinyl Fence	68.04	8.14
32 31 23 00-0005	LF	5' High Privacy Tongue And Groove Vinyl Fence	76.02	9.49
32 31 23 00-0006	LF	6' High Privacy Tongue And Groove Vinyl Fence	83.85	10.85

32 31 23 00-0007 Semi-Privacy 6" Picket Vinyl Fence *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.

32 31 23 00-0008	LF	5' High Semi-Privacy 6" Picket Vinyl Fence	81.33	9.49
32 31 23 00-0009	LF	6' High Semi-Privacy 6" Picket Vinyl Fence	89.21	10.85

32 31 23 00-0010 Picket Straight Top Vinyl Fence *(32 31 23 00-0001)*

Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.

32 31 23 00-0011	LF	3' High Picket Straight Top Vinyl Fence	55.97	6.78
32 31 23 00-0012	LF	4' High Picket Straight Top Vinyl Fence	63.61	8.14
32 31 23 00-0013	LF	5' High Picket Straight Top Vinyl Fence	72.92	9.49
32 31 23 00-0014	LF	6' High Picket Straight Top Vinyl Fence	80.81	10.85

32 31 23 00-0015 Picket Scalloped Top Vinyl Fence *(32 31 23 00-0001)*

Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.

32 31 23 00-0016	LF	3' High Picket Scalloped Top Vinyl Fence	61.99	6.78
32 31 23 00-0017	LF	4' High Picket Scalloped Top Vinyl Fence	69.81	8.14
32 31 23 00-0018	LF	5' High Picket Scalloped Top Vinyl Fence	78.72	9.49
32 31 23 00-0019	LF	6' High Picket Scalloped Top Vinyl Fence	86.79	10.85

32 31 23 00-0020 Post And Rail Vinyl Fence, Ranch Style *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.

32 31 23 00-0021	LF	5' High, 2 Rail, Post And Rail Vinyl Fence	23.09	6.78
32 31 23 00-0022	LF	6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	29.58	8.14
32 31 23 00-0023	LF	7' High, 4 Rail, Post And Rail Vinyl Fence	34.00	8.82

32 31 23 00-0024 Post, Rails And Pickets (Traditional Style) Vinyl Fence *(32 31 23 00-0001)*

Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0025	LF	3' High Rail And Picket Vinyl Fence, 72" On Center Posts	72.54	7.46
32 31 23 00-0026	LF	4' High Rail And Picket Vinyl Fence, 72" On Center Posts	79.31	8.82
32 31 23 00-0027	LF	3' High Rail And Picket Vinyl Fence, 96" On Center Posts	68.40	6.78
32 31 23 00-0028	LF	4' High Rail And Picket Vinyl Fence, 96" On Center Posts	74.49	8.14

32 31 23 00-0029 Vinyl Gates *(32 31 23)*

32 31 23 00-0030 Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0029)*

Note: Includes hinges.

32 31 23 00-0031 3' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*

32 31 23 00-0032	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	670.35	67.82
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0033	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	711.23	71.21
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0034	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	780.01	74.60
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0035	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	873.57	78.00
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0036 4' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*

32 31 23 00-0037	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	711.23	71.21
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0038	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	736.61	74.60
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0039	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	817.78	78.00
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0040	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	957.84	81.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0041 5' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*

32 31 23 00-0042	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	736.61	74.60
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0043	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	768.18	78.00
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0044	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	880.35	81.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0045	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,026.63	84.78
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0046 6' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*

32 31 23 00-0047	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	774.96	81.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0048	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	806.55	84.78
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0049	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	971.41	88.17
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0050	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,071.19	88.17
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0051 Gates For Picket Fences *(32 31 23 00-0029)*

Note: Includes hinges.

32 31 23 00-0052 3' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	642.45	67.82
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	667.83	71.21
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	749.01	74.60
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	889.07	78.00
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0057		**4' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0058	EA	4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	649.23	71.21
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0059	EA	4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	674.62	74.60
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0060	EA	4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	755.78	78.00
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0061	EA	4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	895.85	81.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0062		**5' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0063	EA	5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	674.62	74.60
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0064	EA	5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	706.19	78.00
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0065	EA	5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	818.36	81.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0066	EA	5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	964.63	84.78
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0067		**6' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0068	EA	6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	712.97	81.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0069	EA	6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	744.55	84.78
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0070	EA	6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	909.42	88.17
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0071	EA	6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	1,009.20	91.56
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0072		**Gates Accessories** *(32 31 23 00-0029)*		
32 31 23 00-0073	EA	Gate Stop/Drop Rod	145.49	
32 31 23 00-0074	EA	Latch Set	100.54	
32 31 23 00-0075	EA	Stainless Steel Latch Set	145.49	
32 31 26		**Wire Fences and Gates** *(32 31)*		
32 31 26 13		**Wire Fences with Steel Posts** *(32 31 26)*		
32 31 26 13-0001		Wire And Screen *(32 31 26 13)*		
32 31 26 13-0002		Wire And Screen For Partitions And Fences *(32 31 26 13-0001)*		
		Note: Excludes framing and post.		
32 31 26 13-0003		Screen Wire *(32 31 26 13-0002)*		
32 31 26 13-0004	LF	Screen Wire, 48" Wide Rolls	15.35	1.37
32 31 26 13-0005		Hog Wire *(32 31 26 13-0002)*		
32 31 26 13-0006	SF	4" x 4" Hog Wire For Fencing	2.74	1.09
32 31 26 13-0007	SF	6" x 6" Hog Wire For Fencing	2.87	1.23
32 31 26 13-0008		Non-Climb Horse Fence *(32 31 26 13-0002)*		
32 31 26 13-0009	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence	12.43	4.37
32 31 26 13-0010	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence	15.92	5.46
32 31 26 13-0011	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence	19.95	6.55
32 31 26 13-0012		Screen For Partitions And Ceilings *(32 31 26 13-0001)*		
		Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0013	SF	1" Mesh Chicken Wire	2.49	0.77
32 31 29		**Wood Fences and Gates** *(32 31)*		
		See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001		Basket Weave *(32 31 29)*		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	46.72	3.71
		For Fastening With Screws Instead Of Nails, Add	*2.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	30.44	3.71
		For Fastening With Screws Instead Of Nails, Add	*1.94*	
32 31 29 00-0004		**Board Fence** *(32 31 29)*		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence	29.73	3.71
		For 1" x 6" Boards, Deduct	*-3.07*	
		For 1" x 3" Boards (Stockade Top), Add	*3.80*	
		For Fastening With Screws Instead Of Nails, Add	*1.91*	
32 31 29 00-0006	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence	33.13	3.71
		For 1" x 6" Boards, Deduct	*-3.34*	
		For 1" x 3" Boards (Stockade Top), Add	*4.12*	
		For Fastening With Screws Instead Of Nails, Add	*2.12*	
32 31 29 00-0007	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	37.10	3.71
		For 1" x 6" Boards, Deduct	*-3.58*	
		For 1" x 3" Boards (Stockade Top), Add	*4.35*	
		For Fastening With Screws Instead Of Nails, Add	*2.33*	
32 31 29 00-0008	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	39.66	3.71
		For 1" x 6" Boards, Deduct	*-3.77*	
		For 1" x 3" Boards (Stockade Top), Add	*4.56*	
		For Fastening With Screws Instead Of Nails, Add	*2.48*	
32 31 29 00-0009	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	42.42	3.71
		For 1" x 6" Boards, Deduct	*-3.96*	
		For 1" x 3" Boards (Stockade Top), Add	*4.77*	
		For Fastening With Screws Instead Of Nails, Add	*2.64*	
32 31 29 00-0010	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	31.86	3.71
		For 1" x 6" Boards, Deduct	*-3.16*	
		For 1" x 3" Boards (Stockade Top), Add	*3.86*	
		For Fastening With Screws Instead Of Nails, Add	*2.02*	
32 31 29 00-0011	LF	Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	34.77	3.71
		For 1" x 6" Boards, Deduct	*-3.41*	
		For 1" x 3" Boards (Stockade Top), Add	*4.16*	
		For Fastening With Screws Instead Of Nails, Add	*2.20*	
32 31 29 00-0012	LF	Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	37.10	3.71
		For 1" x 6" Boards, Deduct	*-3.58*	
		For 1" x 3" Boards (Stockade Top), Add	*4.35*	
		For Fastening With Screws Instead Of Nails, Add	*2.33*	
32 31 29 00-0013	LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	39.66	3.71
		For 1" x 6" Boards, Deduct	*-3.77*	
		For 1" x 3" Boards (Stockade Top), Add	*4.56*	
		For Fastening With Screws Instead Of Nails, Add	*2.48*	
32 31 29 00-0014	LF	Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	42.42	3.71
		For 1" x 6" Boards, Deduct	*-3.96*	
		For 1" x 3" Boards (Stockade Top), Add	*4.77*	
		For Fastening With Screws Instead Of Nails, Add	*2.64*	
32 31 29 00-0015	LF	Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	31.87	3.71
		For 1" x 6" Boards, Deduct	*-3.16*	
		For 1" x 3" Boards (Stockade Top), Add	*3.86*	
		For Fastening With Screws Instead Of Nails, Add	*2.02*	
32 31 29 00-0016	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	42.05	3.71
		For 1" x 6" Boards, Deduct	*-3.70*	
		For 1" x 3" Boards (Stockade Top), Add	*4.38*	
		For Fastening With Screws Instead Of Nails, Add	*2.56*	
32 31 29 00-0017	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence	44.07	3.71
		For 1" x 6" Boards, Deduct	*-3.86*	
		For 1" x 3" Boards (Stockade Top), Add	*4.56*	
		For Fastening With Screws Instead Of Nails, Add	*2.68*	
32 31 29 00-0018	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence	47.46	3.71
		For 1" x 6" Boards, Deduct	*-4.08*	
		For 1" x 3" Boards (Stockade Top), Add	*4.80*	
		For Fastening With Screws Instead Of Nails, Add	*2.87*	
32 31 29 00-0019	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence	51.12	3.71
		For 1" x 6" Boards, Deduct	*-4.31*	
		For 1" x 3" Boards (Stockade Top), Add	*5.04*	
		For Fastening With Screws Instead Of Nails, Add	*3.07*	
32 31 29 00-0020		**Shadow Box** *(32 31 29)*		
		Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	65.24	3.71
		For Fastening With Screws Instead Of Nails, Add	*3.65*	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	82.05	3.71
		For Fastening With Screws Instead Of Nails, Add	*4.56*	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	89.46	3.71
		For Fastening With Screws Instead Of Nails, Add	*4.95*	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	96.14	3.71
		For Fastening With Screws Instead Of Nails, Add	*5.32*	
32 31 29 00-0025		**Open Rail Fence** *(32 31 29)*		
32 31 29 00-0026		**Post And Rail Fence, Ranch Style** *(32 31 29 00-0025)*		
32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	29.86	3.71
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	23.10	3.71
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	35.50	3.71
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	24.96	3.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0031		**Split Rail Fence** *(32 31 29 00-0025)*		
32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	28.12	3.71
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	23.02	3.71
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	32.18	3.71
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	25.94	3.71
32 31 29 00-0036		**Picket Fence** *(32 31 29)*		
32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	34.12	3.71
		For Fastening With Screws Instead Of Nails, Add	*2.15*	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	31.79	3.71
		For Fastening With Screws Instead Of Nails, Add	*2.03*	
32 31 29 00-0039		**Wood Fence Post Accessories** *(32 31 29)*		
32 31 29 00-0040	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	47.33	
32 31 29 00-0041	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	53.13	
32 31 29 00-0042	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	57.84	
32 31 29 00-0043	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	85.79	
32 31 29 00-0044		**Wood Gate** *(32 31 29)*		
32 31 29 00-0045		**Board Fence Gates, Pressure Treated Wood** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	489.25	152.30
32 31 29 00-0047	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	540.77	161.44
32 31 29 00-0048	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	604.45	176.67
32 31 29 00-0049	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	685.51	185.81
32 31 29 00-0050	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	766.57	194.95
32 31 29 00-0051	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	623.65	201.04
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	678.86	210.18
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	734.06	219.32
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	826.19	228.46
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	899.86	237.59
32 31 29 00-0056		**Board Fence Gates, Grade 2 Cedar** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	730.52	115.99
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	755.52	122.96
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	793.49	134.55
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	836.95	141.51
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	891.48	148.48
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	860.15	153.11
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	892.52	160.07
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	943.37	167.03
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	994.22	173.99
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,045.07	180.95
32 31 29 00-0067		**Board Fence Gates, Grade 1 Cedar** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	785.91	115.99
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	818.29	122.96
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	859.96	134.55
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	910.81	141.51
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	961.64	148.48
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	934.01	153.11
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	966.38	160.07
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,017.23	167.03
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,068.08	173.99
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,137.39	180.95
32 31 29 00-0078		**Plywood Fence Gates** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2 x 4 frame, and galvanized nails and hinges.		
32 31 29 00-0079	EA	6' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	972.88	154.49
32 31 29 00-0080	EA	7' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	984.27	154.49
32 31 29 00-0081	EA	8' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	1,134.48	168.54
32 31 29 00-0082	EA	9' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	1,145.88	168.54
32 31 29 00-0083	EA	10' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	1,219.33	182.58
32 31 29 00-0084	EA	6' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	1,756.62	280.90
32 31 29 00-0085	EA	7' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	1,779.41	280.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0086	EA	8' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	2,003.09	308.98
32 31 29 00-0087	EA	9' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	2,025.88	308.98
32 31 29 00-0088	EA	10' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	2,172.80	337.07
32 31 29 00-0089	EA	6' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,279.68	561.78
32 31 29 00-0090	EA	7' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,325.26	561.78
32 31 29 00-0091	EA	8' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,695.84	617.97
32 31 29 00-0092	EA	9' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,741.43	617.97
32 31 29 00-0093	EA	10' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	4,091.43	688.19

32 31 29 00-0094 Wood Gates Accessories *(32 31 29 00-0044)*

32 31 29 00-0095	EA	Galvanized Steel Padlockable Slide Latch, 6-3/16" Bolt Length	52.41	13.57
32 31 29 00-0096	EA	Black Steel Padlockable Slide Latch, 6-3/16" Bolt Length	38.64	13.57
32 31 29 00-0097	EA	Stainless Steel Padlockable Slide Latch, 6-3/16" Bolt Length	96.74	13.57
32 31 29 00-0098	EA	Black Steel Cane Bolt, 18" Bolt Length	67.02	16.96
32 31 29 00-0099	EA	Zinc Coated Steel Cane Bolt, 18" Bolt Length	66.29	16.96
32 31 29 00-0100	EA	Galvanized Steel Self Latching Gate Latches, 4-1/4" Bolt Length	82.10	16.96
32 31 29 00-0101	EA	Black Steel Self Latching Gate Latches, 4-1/4" Bolt Length	59.92	16.96
32 31 29 00-0102	EA	Stainless Steel Self Latching Gate Latches, 4-1/4" Bolt Length	92.63	16.96

32 31 29 00-0103 Pressure Treated Wood Fence Posts *(32 31 29)*

See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0673 for barbed wire, 32 31 56 00-0017 for barbed wire.

32 31 29 00-0104	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	46.61	15.23
32 31 29 00-0105	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	52.44	15.23
32 31 29 00-0106	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	82.11	29.25
32 31 29 00-0107	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	88.76	29.25

32 31 56 Wild Life Deterrent Fence *(32 31)*

32 31 56 00-0001 Barbed Wire Fences *(32 31 56)*

Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 56 00-0002 Fence Posts *(32 31 56 00-0001)*

32 31 56 00-0003 Fence Post Soil, Set In Concrete *(32 31 56 00-0002)*

32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	107.43	8.28
		For Bracing On Corner Post, End Post And Pull Post, Add	*173.54*	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	145.37	8.28
		For Bracing On Corner Post, End Post And Pull Post, Add	*236.90*	

32 31 56 00-0006 Post In Rock *(32 31 56 00-0002)*

32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	105.62	8.28
		For Bracing On Corner Post, End Post And Pull Post, Add	*170.83*	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	143.56	8.28
		For Bracing On Corner Post, End Post And Pull Post, Add	*234.19*	

32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish *(32 31 56 00-0001)*

Note: Posts for barb wire, chain link or welded wire mesh.

32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	27.39	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	28.06	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	29.35	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	30.65	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	32.36	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	36.50	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	44.59	

32 31 56 00-0017 Barbed Wire *(32 31 56 00-0001)*

Note: Per strand.

32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.92	0.41
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	1.07	0.41

32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts *(32 31 56 00-0001)*

Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.

32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts Note: Posts at 10' maximum.	11.92	2.69

32 32 Retaining Walls *(32 30)*

32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 13 00-0001		Concrete Retaining Walls *(32 32 13)* Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	406.89	149.10
		For >3:1 Sloped Soil At Top, Add	*9.25*	
32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	507.50	183.47
		For >3:1 Sloped Soil At Top, Add	*11.94*	
32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	552.77	197.90
		For >3:1 Sloped Soil At Top, Add	*13.34*	
32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	703.99	244.70
		For >3:1 Sloped Soil At Top, Add	*18.25*	
32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	811.33	281.07
		For >3:1 Sloped Soil At Top, Add	*21.17*	
32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,173.83	412.34
		For >3:1 Sloped Soil At Top, Add	*29.69*	
32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,611.50	569.25
		For >3:1 Sloped Soil At Top, Add	*40.19*	
32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	447.11	162.83
		For >3:1 Sloped Soil At Top, Add	*10.32*	
32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	547.21	196.20
		For >3:1 Sloped Soil At Top, Add	*13.17*	
32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	579.35	204.72
		For >3:1 Sloped Soil At Top, Add	*14.44*	
32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	796.85	274.36
		For >3:1 Sloped Soil At Top, Add	*21.08*	
32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,010.47	352.42
		For >3:1 Sloped Soil At Top, Add	*25.98*	
32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,515.31	534.18
		For >3:1 Sloped Soil At Top, Add	*38.00*	
32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	2,138.57	754.03
		For >3:1 Sloped Soil At Top, Add	*53.59*	

32 32 16 Precast Concrete Retaining Walls *(32 32)*

32 32 16 00-0001		Precast Retaining Walls *(32 32 16)* Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls	106.67	15.48
32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls	109.54	12.44
32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls	113.62	10.36
32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls	122.86	10.36
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	129.98	8.84

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

32 32 23 13-0001		Modular Retaining Wall Systems *(32 32 23 13)* Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
32 32 23 13-0002		"Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	74.29	9.54
		For >3:1 Sloped Soil At Top, Add	*4.69*	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	78.38	10.04
		For >3:1 Sloped Soil At Top, Add	*4.96*	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	81.71	11.04
		For >3:1 Sloped Soil At Top, Add	*5.07*	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	85.24	12.05
		For >3:1 Sloped Soil At Top, Add	*5.20*	
32 32 23 13-0007		"Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	77.18	9.54
		For >3:1 Sloped Soil At Top, Add	*4.94*	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	81.27	10.04
		For >3:1 Sloped Soil At Top, Add	*5.20*	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	84.60	11.04
		For >3:1 Sloped Soil At Top, Add	*5.31*	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	88.13	12.05
		For >3:1 Sloped Soil At Top, Add	*5.44*	
32 32 23 13-0012		"Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	84.07	9.54
		For >3:1 Sloped Soil At Top, Add	*5.53*	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	88.17	10.04
		For >3:1 Sloped Soil At Top, Add	*5.79*	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	91.50	11.04
		For >3:1 Sloped Soil At Top, Add	*5.90*	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	95.02	12.05
		For >3:1 Sloped Soil At Top, Add	*6.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	74.29	9.54
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
		For >3:1 Sloped Soil At Top, Add	*4.69*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	78.38	10.04
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
		For >3:1 Sloped Soil At Top, Add	*4.96*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	81.71	11.04
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
		For >3:1 Sloped Soil At Top, Add	*5.07*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	85.24	12.05
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
		For >3:1 Sloped Soil At Top, Add	*5.20*	

32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	65.54	9.54
		For >3:1 Sloped Soil At Top, Add	*3.95*	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	72.51	10.04
		For >3:1 Sloped Soil At Top, Add	*4.46*	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	75.89	11.04
		For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	78.88	12.05
		For >3:1 Sloped Soil At Top, Add	*4.66*	

32 32 23 13-0027 Retaining Wall Cap Block Restoration *(32 32 23 13-0001)*

Note: Includes removal of existing cap block and installation of new cap block to match.

32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	44.45	
		For >3:1 Sloped Soil At Top, Add	*2.51*	

32 32 26 Metal Crib Retaining Walls *(32 32)*

32 32 26 00-0001 Aluminized Steel Bin *(32 32 26)*

Note: Excludes excavation and backfill.

32 32 26 00-0002	SF	4' High, 5.5' Deep Aluminized Steel Bin	46.58	5.24
		For Galvanized Type, Deduct	*-3.61*	
		For >3:1 Sloped Soil At Top, Add	*3.07*	
32 32 26 00-0003	SF	8' High, 5.5' Deep Aluminized Steel Bin	52.17	5.24
		For Galvanized Type, Deduct	*-4.16*	
		For >3:1 Sloped Soil At Top, Add	*3.54*	
32 32 26 00-0004	SF	10' High, 7.7' Deep Aluminized Steel Bin	55.72	5.72
		For Galvanized Type, Deduct	*-4.43*	
		For >3:1 Sloped Soil At Top, Add	*3.77*	
32 32 26 00-0005	SF	12' High, 7.7' Deep Aluminized Steel Bin	63.47	6.45
		For Galvanized Type, Deduct	*-5.06*	
		For >3:1 Sloped Soil At Top, Add	*4.30*	
32 32 26 00-0006	SF	16' High, 7.7' Deep Aluminized Steel Bin	61.11	6.69
		For Galvanized Type, Deduct	*-4.78*	
		For >3:1 Sloped Soil At Top, Add	*4.07*	
32 32 26 00-0007	SF	16' High, 9.9' Deep Aluminized Steel Bin	68.12	6.81
		For Galvanized Type, Deduct	*-5.46*	
		For >3:1 Sloped Soil At Top, Add	*4.64*	
32 32 26 00-0008	SF	20' High, 9.9' Deep Aluminized Steel Bin	75.57	7.18
		For Galvanized Type, Deduct	*-6.11*	
		For >3:1 Sloped Soil At Top, Add	*5.19*	
32 32 26 00-0009	SF	20' High, 12.1' Deep Aluminized Steel Bin	77.38	7.55
		For Galvanized Type, Deduct	*-6.24*	
		For >3:1 Sloped Soil At Top, Add	*5.30*	
32 32 26 00-0010	SF	24' High, 12.1' Deep Aluminized Steel Bin	81.41	7.55
		For Galvanized Type, Deduct	*-6.63*	
		For >3:1 Sloped Soil At Top, Add	*5.64*	
32 32 26 00-0011	SF	24' High, 14.3' Deep Aluminized Steel Bin	85.43	7.67
		For Galvanized Type, Deduct	*-7.02*	
		For >3:1 Sloped Soil At Top, Add	*5.97*	
32 32 26 00-0012	SF	28' High, 14.3' Deep Aluminized Steel Bin	88.29	7.79
		For Galvanized Type, Deduct	*-7.28*	
		For >3:1 Sloped Soil At Top, Add	*6.19*	

32 32 29 Timber Retaining Walls *(32 32)*

32 32 29 00-0001 Wood Post Retaining Walls *(32 32 29)*

Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0002	LF	4" x 4", 1' High, Redwood, Wood Post Retaining Walls	91.32	33.44
		For >3:1 Sloped Soil At Top, Add	*2.09*	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls	178.74	65.47
		For >3:1 Sloped Soil At Top, Add	*4.07*	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls	88.19	33.44
		For >3:1 Sloped Soil At Top, Add	*1.82*	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls	172.65	65.47
		For >3:1 Sloped Soil At Top, Add	*3.55*	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	91.61	29.22
		For >3:1 Sloped Soil At Top, Add	*2.81*	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	179.34	57.13
		For >3:1 Sloped Soil At Top, Add	*5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	72.61	25.92
		For >3:1 Sloped Soil At Top, Add	*1.76*	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	131.30	46.93
		For >3:1 Sloped Soil At Top, Add	*3.18*	
32 32 29 00-0010	LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls	238.73	79.31
		For >3:1 Sloped Soil At Top, Add	*6.81*	
32 32 29 00-0011	LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls	471.03	155.45
		For >3:1 Sloped Soil At Top, Add	*13.62*	
32 32 29 00-0012	LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls	235.25	79.31
		For >3:1 Sloped Soil At Top, Add	*6.52*	
32 32 29 00-0013	LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls	462.32	155.45
		For >3:1 Sloped Soil At Top, Add	*12.88*	
32 32 29 00-0014	LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	234.32	64.40
		For >3:1 Sloped Soil At Top, Add	*8.96*	
32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	465.33	127.17
		For >3:1 Sloped Soil At Top, Add	*17.93*	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls	163.20	51.50
		For >3:1 Sloped Soil At Top, Add	*5.11*	
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls	320.87	100.78
		For >3:1 Sloped Soil At Top, Add	*10.14*	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls	582.46	171.87
		For >3:1 Sloped Soil At Top, Add	*20.29*	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls	1,089.35	320.87
		For >3:1 Sloped Soil At Top, Add	*38.05*	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls	565.04	171.87
		For >3:1 Sloped Soil At Top, Add	*18.80*	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls	1,056.25	320.87
		For >3:1 Sloped Soil At Top, Add	*35.24*	
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	646.71	198.27
		For >3:1 Sloped Soil At Top, Add	*21.26*	
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	1,206.49	370.26
		For >3:1 Sloped Soil At Top, Add	*39.61*	
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls	464.20	160.26
		For >3:1 Sloped Soil At Top, Add	*12.22*	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls	861.00	297.29
		For >3:1 Sloped Soil At Top, Add	*22.65*	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	175.75	66.05
		For >3:1 Sloped Soil At Top, Add	*3.70*	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	262.75	99.13
		For >3:1 Sloped Soil At Top, Add	*5.48*	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	349.65	132.10
		For >3:1 Sloped Soil At Top, Add	*7.26*	
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	117.37	37.30
		For >3:1 Sloped Soil At Top, Add	*3.63*	
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	170.44	53.85
		For >3:1 Sloped Soil At Top, Add	*5.33*	
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	230.76	72.74
		For >3:1 Sloped Soil At Top, Add	*7.26*	

32 32 29 00-0032 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls	71.28	19.83
		For >3:1 Sloped Soil At Top, Add	*2.69*	
32 32 29 00-0034	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls	110.43	33.91
		For >3:1 Sloped Soil At Top, Add	*3.63*	
32 32 29 00-0035	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls	144.38	42.12
		For >3:1 Sloped Soil At Top, Add	*5.11*	
32 32 29 00-0036	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls	202.06	59.72
		For >3:1 Sloped Soil At Top, Add	*7.03*	
32 32 29 00-0037	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	264.18	77.67
		For >3:1 Sloped Soil At Top, Add	*9.25*	
32 32 29 00-0038	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	540.78	153.69
		For >3:1 Sloped Soil At Top, Add	*19.84*	
32 32 29 00-0039	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls	610.39	170.23
		For >3:1 Sloped Soil At Top, Add	*22.95*	
32 32 29 00-0040	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	72.49	20.65
		For >3:1 Sloped Soil At Top, Add	*2.65*	
32 32 29 00-0041	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	127.38	36.72
		For >3:1 Sloped Soil At Top, Add	*4.59*	
32 32 29 00-0042	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	125.18	36.02
		For >3:1 Sloped Soil At Top, Add	*4.52*	
32 32 29 00-0043	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls	175.75	51.73
		For >3:1 Sloped Soil At Top, Add	*6.14*	
32 32 29 00-0044	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls	274.12	82.60
		For >3:1 Sloped Soil At Top, Add	*9.25*	
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	216.61	63.47
		For >3:1 Sloped Soil At Top, Add	*7.63*	
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	559.32	158.62
		For >3:1 Sloped Soil At Top, Add	*20.58*	
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	94.21	38.13
		For >3:1 Sloped Soil At Top, Add	*1.52*	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	136.03	54.20
		For >3:1 Sloped Soil At Top, Add	*2.35*	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	196.60	74.38
		For >3:1 Sloped Soil At Top, Add	*4.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	344.32	125.53
		For >3:1 Sloped Soil At Top, Add	*7.92*	
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	348.67	125.53
		For >3:1 Sloped Soil At Top, Add	*8.29*	
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	328.36	120.61
		For >3:1 Sloped Soil At Top, Add	*7.40*	
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	770.83	277.46
		For >3:1 Sloped Soil At Top, Add	*18.36*	
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	94.21	38.13
		For >3:1 Sloped Soil At Top, Add	*1.52*	
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	136.03	54.20
		For >3:1 Sloped Soil At Top, Add	*2.35*	
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	196.60	74.38
		For >3:1 Sloped Soil At Top, Add	*4.07*	
32 32 29 00-0057	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	246.88	92.57
		For >3:1 Sloped Soil At Top, Add	*5.26*	
32 32 29 00-0058	LF	6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls	344.32	125.53
		For >3:1 Sloped Soil At Top, Add	*7.92*	
32 32 29 00-0059	LF	6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls	328.36	120.61
		For >3:1 Sloped Soil At Top, Add	*7.40*	
32 32 29 00-0060	LF	8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls	770.83	277.46
		For >3:1 Sloped Soil At Top, Add	*18.36*	

32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062 Redwood *(32 32 29 00-0061)*

32 32 29 00-0063	LF	2' High, 6" x 6" Wood Tie Wall	123.10	40.60
		For >3:1 Sloped Soil At Top, Add	*3.55*	
32 32 29 00-0064	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	280.85	92.57
		For >3:1 Sloped Soil At Top, Add	*8.14*	
32 32 29 00-0065	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	420.49	138.79
		For >3:1 Sloped Soil At Top, Add	*12.14*	
32 32 29 00-0066	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	403.38	118.96
		For >3:1 Sloped Soil At Top, Add	*14.07*	
32 32 29 00-0067	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	606.08	178.44
		For >3:1 Sloped Soil At Top, Add	*21.17*	
32 32 29 00-0068	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	800.19	234.64
		For >3:1 Sloped Soil At Top, Add	*28.13*	

32 32 29 00-0069 Cedar *(32 32 29 00-0061)*

32 32 29 00-0070	LF	2' High, 6" x 6" Wood Tie Wall	121.36	40.60
		For >3:1 Sloped Soil At Top, Add	*3.41*	
32 32 29 00-0071	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	275.62	92.57
		For >3:1 Sloped Soil At Top, Add	*7.70*	
32 32 29 00-0072	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	413.52	138.79
		For >3:1 Sloped Soil At Top, Add	*11.55*	
32 32 29 00-0073	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	391.18	118.96
		For >3:1 Sloped Soil At Top, Add	*13.03*	
32 32 29 00-0074	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	588.66	178.44
		For >3:1 Sloped Soil At Top, Add	*19.69*	
32 32 29 00-0075	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	775.81	234.64
		For >3:1 Sloped Soil At Top, Add	*26.06*	

32 32 29 00-0076 Pressure Treated Wood *(32 32 29 00-0061)*

32 32 29 00-0077	LF	2' High, 6" x 6" Wood Tie Wall	106.37	33.55
		For >3:1 Sloped Soil At Top, Add	*3.34*	
32 32 29 00-0078	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	241.71	76.02
		For >3:1 Sloped Soil At Top, Add	*7.63*	
32 32 29 00-0079	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	362.14	114.03
		For >3:1 Sloped Soil At Top, Add	*11.40*	
32 32 29 00-0080	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	397.00	137.15
		For >3:1 Sloped Soil At Top, Add	*10.44*	
32 32 29 00-0081	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	596.20	204.96
		For >3:1 Sloped Soil At Top, Add	*15.84*	
32 32 29 00-0082	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	790.62	272.53
		For >3:1 Sloped Soil At Top, Add	*20.88*	

32 32 53 Stone Retaining Walls *(32 32)*

32 32 53 00-0001 Stone Retaining Walls *(32 32 53)*

Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

32 32 53 00-0002 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $16.00/ton.

32 32 53 00-0003	LF	$16.00/ton 3' High Stone Retaining Wall, Dry Set	504.50	226.02
		For >3:1 Sloped Soil At Top, Add	*4.45*	
32 32 53 00-0004	LF	$16.00/ton 4' High Stone Retaining Wall, Dry Set	595.10	268.89
		For >3:1 Sloped Soil At Top, Add	*4.87*	
32 32 53 00-0005	LF	$16.00/ton 6' High Stone Retaining Wall, Dry Set	781.47	357.24
		For >3:1 Sloped Soil At Top, Add	*5.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0006	LF	$16.00/ton 8' High Stone Retaining Wall, Dry Set	1,203.69	558.56
		For >3:1 Sloped Soil At Top, Add	*7.35*	
32 32 53 00-0007	LF	$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,563.72	730.66
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0008	LF	$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,940.45	909.88
		For >3:1 Sloped Soil At Top, Add	*10.25*	
32 32 53 00-0009	LF	$16.00/ton 3' High Stone Retaining Wall, Mortar Set	452.60	200.11
		For >3:1 Sloped Soil At Top, Add	*4.45*	
32 32 53 00-0010	LF	$16.00/ton 4' High Stone Retaining Wall, Mortar Set	530.84	236.76
		For >3:1 Sloped Soil At Top, Add	*4.87*	
32 32 53 00-0011	LF	$16.00/ton 6' High Stone Retaining Wall, Mortar Set	686.62	309.75
		For >3:1 Sloped Soil At Top, Add	*5.70*	
32 32 53 00-0012	LF	$16.00/ton 8' High Stone Retaining Wall, Mortar Set	1,051.02	482.25
		For >3:1 Sloped Soil At Top, Add	*7.35*	
32 32 53 00-0013	LF	$16.00/ton 10' High Stone Retaining Wall, Mortar Set	1,349.55	623.62
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0014	LF	$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,676.28	777.85
		For >3:1 Sloped Soil At Top, Add	*10.25*	

32 32 53 00-0015 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $32.00/ton.

32 32 53 00-0016	LF	$32.00/ton 3' High Stone Retaining Wall, Dry Set	520.34	226.02
		For >3:1 Sloped Soil At Top, Add	*5.80*	
32 32 53 00-0017	LF	$32.00/ton 4' High Stone Retaining Wall, Dry Set	617.03	268.89
		For >3:1 Sloped Soil At Top, Add	*6.73*	
32 32 53 00-0018	LF	$32.00/ton 6' High Stone Retaining Wall, Dry Set	813.15	357.24
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 53 00-0019	LF	$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,249.99	558.56
		For >3:1 Sloped Soil At Top, Add	*11.29*	
32 32 53 00-0020	LF	$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,627.08	730.66
		For >3:1 Sloped Soil At Top, Add	*14.09*	
32 32 53 00-0021	LF	$32.00/ton 12' High Stone Retaining Wall, Dry Set	2,020.87	909.88
		For >3:1 Sloped Soil At Top, Add	*17.09*	
32 32 53 00-0022	LF	$32.00/ton 3' High Stone Retaining Wall, Mortar Set	468.44	200.11
		For >3:1 Sloped Soil At Top, Add	*5.80*	
32 32 53 00-0023	LF	$32.00/ton 4' High Stone Retaining Wall, Mortar Set	552.77	236.76
		For >3:1 Sloped Soil At Top, Add	*6.73*	
32 32 53 00-0024	LF	$32.00/ton 6' High Stone Retaining Wall, Mortar Set	718.30	309.75
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 53 00-0025	LF	$32.00/ton 8' High Stone Retaining Wall, Mortar Set	1,097.32	482.25
		For >3:1 Sloped Soil At Top, Add	*11.29*	
32 32 53 00-0026	LF	$32.00/ton 10' High Stone Retaining Wall, Mortar Set	1,412.91	623.62
		For >3:1 Sloped Soil At Top, Add	*14.09*	
32 32 53 00-0027	LF	$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,756.70	777.85
		For >3:1 Sloped Soil At Top, Add	*17.09*	

32 32 53 00-0028 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $48.00/ton.

32 32 53 00-0029	LF	$48.00/ton 3' High Stone Retaining Wall, Dry Set	537.40	226.02
		For >3:1 Sloped Soil At Top, Add	*7.25*	
32 32 53 00-0030	LF	$48.00/ton 4' High Stone Retaining Wall, Dry Set	638.72	268.89
		For >3:1 Sloped Soil At Top, Add	*8.58*	
32 32 53 00-0031	LF	$48.00/ton 6' High Stone Retaining Wall, Dry Set	843.61	357.24
		For >3:1 Sloped Soil At Top, Add	*10.98*	
32 32 53 00-0032	LF	$48.00/ton 8' High Stone Retaining Wall, Dry Set	1,296.29	558.56
		For >3:1 Sloped Soil At Top, Add	*15.22*	
32 32 53 00-0033	LF	$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,690.44	730.66
		For >3:1 Sloped Soil At Top, Add	*19.47*	
32 32 53 00-0034	LF	$48.00/ton 12' High Stone Retaining Wall, Dry Set	2,102.50	909.88
		For >3:1 Sloped Soil At Top, Add	*24.03*	
32 32 53 00-0035	LF	$48.00/ton 3' High Stone Retaining Wall, Mortar Set	485.50	200.11
		For >3:1 Sloped Soil At Top, Add	*7.25*	
32 32 53 00-0036	LF	$48.00/ton 4' High Stone Retaining Wall, Mortar Set	574.70	236.76
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0037	LF	$48.00/ton 6' High Stone Retaining Wall, Mortar Set	748.76	309.75
		For >3:1 Sloped Soil At Top, Add	*10.98*	
32 32 53 00-0038	LF	$48.00/ton 8' High Stone Retaining Wall, Mortar Set	1,143.62	482.25
		For >3:1 Sloped Soil At Top, Add	*15.22*	
32 32 53 00-0039	LF	$48.00/ton 10' High Stone Retaining Wall, Mortar Set	1,476.27	623.62
		For >3:1 Sloped Soil At Top, Add	*19.47*	
32 32 53 00-0040	LF	$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,838.33	777.85
		For >3:1 Sloped Soil At Top, Add	*24.03*	

32 32 53 00-0041 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $64.00/ton.

32 32 53 00-0042	LF	$64.00/ton 3' High Stone Retaining Wall, Dry Set	554.46	226.02
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0043	LF	$64.00/ton 4' High Stone Retaining Wall, Dry Set	636.53	268.89
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 53 00-0044	LF	$64.00/ton 6' High Stone Retaining Wall, Dry Set	876.50	357.24
		For >3:1 Sloped Soil At Top, Add	*13.77*	
32 32 53 00-0045	LF	$64.00/ton 8' High Stone Retaining Wall, Dry Set	1,345.03	558.56
		For >3:1 Sloped Soil At Top, Add	*19.37*	
32 32 53 00-0046	LF	$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,756.24	730.66
		For >3:1 Sloped Soil At Top, Add	*25.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0047	LF	$64.00/ton 12' High Stone Retaining Wall, Dry Set	2,185.36	909.88
		For >3:1 Sloped Soil At Top, Add	*31.07*	
32 32 53 00-0048	LF	$64.00/ton 3' High Stone Retaining Wall, Mortar Set	502.56	200.11
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0049	LF	$64.00/ton 4' High Stone Retaining Wall, Mortar Set	596.63	236.76
		For >3:1 Sloped Soil At Top, Add	*10.46*	
32 32 53 00-0050	LF	$64.00/ton 6' High Stone Retaining Wall, Mortar Set	781.65	309.75
		For >3:1 Sloped Soil At Top, Add	*13.77*	
32 32 53 00-0051	LF	$64.00/ton 8' High Stone Retaining Wall, Mortar Set	1,192.36	482.25
		For >3:1 Sloped Soil At Top, Add	*19.37*	
32 32 53 00-0052	LF	$64.00/ton 10' High Stone Retaining Wall, Mortar Set	1,542.07	623.62
		For >3:1 Sloped Soil At Top, Add	*25.06*	
32 32 53 00-0053	LF	$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,921.19	777.85
		For >3:1 Sloped Soil At Top, Add	*31.07*	

32 33 Site Furnishings *(32 30)*

32 33 13 Site Bicycle Racks *(32 33)*

32 33 13 00-0001 Bicycle Organizer And Rack *(32 33 13)*

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*

32 33 13 00-0003 Double Sided *(32 33 13 00-0002)*

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	818.00	129.94
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	1,230.24	213.47
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	2,127.65	324.86

32 33 13 00-0007 Single Sided *(32 33 13 00-0002)*

32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	715.73	116.02
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	1,007.46	193.06
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,733.27	290.05

32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack *(32 33 13 00-0002)*

32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	129.92	

32 33 13 00-0013 Bike Racks Ground Loop *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	1,063.28	227.68

32 33 13 00-0015 Serpentine Bike Racks *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	583.38	139.23
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	802.41	150.83
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	1,021.44	162.43
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	1,268.44	174.03
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,515.46	185.63
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,650.56	197.24

32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	665.40	139.23
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	861.54	150.83
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	1,057.68	162.43
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	1,232.20	174.03
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,428.35	185.63
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,667.72	197.24

32 33 13 00-0030 Powder Coated, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0031	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	583.38	139.23
32 33 13 00-0032	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	802.41	150.83
32 33 13 00-0033	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	1,021.44	162.43
32 33 13 00-0034	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	1,268.44	174.03
32 33 13 00-0035	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,515.46	185.63
32 33 13 00-0036	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,650.56	197.24

32 33 13 00-0037 Powder Coated, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0038	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	687.02	139.23
32 33 13 00-0039	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	904.77	150.83
32 33 13 00-0040	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	1,100.92	162.43
32 33 13 00-0041	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	1,340.29	174.03
32 33 13 00-0042	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,536.44	185.63
32 33 13 00-0043	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,797.43	197.24

32 33 13 00-0044 Stainless Steel, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0045	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	1,134.47	139.23
32 33 13 00-0046	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,707.38	150.83
32 33 13 00-0047	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,280.33	162.43
32 33 13 00-0048	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,931.80	174.03
32 33 13 00-0049	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,583.26	185.63
32 33 13 00-0050	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,920.59	197.24
32 33 13 00-0051		Stainless Steel, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0052	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	881.57	139.23
32 33 13 00-0053	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,985.63	150.83
32 33 13 00-0054	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,614.12	162.43
32 33 13 00-0055	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,199.37	174.03
32 33 13 00-0056	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,806.24	185.63
32 33 13 00-0057	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,434.72	197.24
32 33 13 00-0058		Bike Racks Bollards/Bicycle Posts *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0059	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	652.48	104.42
32 33 23		**Site Trash and Litter Receptacles** *(32 33)*		
32 33 23 00-0001		Steel Trash Containment *(32 33 23)*		
32 33 23 00-0002		Steel Frame Surrounded With Kiln-Dried Wood *(32 33 23 00-0001)*		
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	560.76	55.43
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	535.02	55.43
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	535.02	55.43
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	506.06	55.43
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	560.76	55.43
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	506.06	55.43
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	695.89	55.43
32 33 23 00-0010		Square Steel Frames Surrounded With Flat Steel *(32 33 23 00-0001)*		
32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	1,019.68	55.43
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,101.44	55.43
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,101.44	55.43
32 33 23 00-0014		Round Steel Pipe And Flat Steel Frames *(32 33 23 00-0001)* Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,510.27	55.43
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,627.08	55.43
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,875.30	55.43
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,700.08	55.43
32 33 23 00-0019		Round Steel Pipe Surrounded With Perforated *(32 33 23 00-0001)*		
32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	1,349.66	55.43
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,466.47	55.43
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,714.68	55.43
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,554.07	55.43
32 33 23 00-0024		Round Steel Pipe Frames Surrounded With Welded Wire *(32 33 23 00-0001)*		
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,072.24	55.43
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,189.05	55.43
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,437.27	55.43
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,276.66	55.43
32 33 23 00-0029		Litter Baskets *(32 33 23)*		
32 33 23 00-0030		Round Wire Litter Baskets *(32 33 23 00-0029)*		
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	189.68	5.64
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	239.64	5.64
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	324.43	5.64
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	372.27	5.64
32 33 23 00-0035		Trash Can/Wire Basket Holder *(32 33 23 00-0029)*		
32 33 23 00-0036	EA	Steel Post, Single Holder	267.38	45.26
32 33 23 00-0037	EA	Steel Post, Double Holder	363.00	45.26
32 33 23 00-0038	EA	Redwood Post, Single Holder	150.53	45.26
32 33 23 00-0039	EA	Redwood Post, Double Holder	175.74	45.26
32 33 23 00-0040		Litter Receptacles, Freestanding *(32 33 23 00-0029)* Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded	1,526.23	23.10
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded	1,606.67	23.10
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded	1,871.07	34.64
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded	1,951.51	34.64
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	2,031.95	34.64
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	2,112.39	34.64
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount	1,684.87	30.02
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount	1,765.31	30.02
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	

32 33 23 00-0049 Ash Receptacles *(32 33 23)*

32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	664.65	23.10
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Sand Pan, Add	*110.00*	
		For Bowl And Funnel, Add	*120.00*	
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner	281.25	23.10

32 33 23 00-0052 Trash Receptacles *(32 33 23)*

32 33 23 00-0053	EA	Outdoor Covered Steel Receptacle With Liner	1,252.75	23.10
32 33 23 00-0054	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	493.92	23.10
32 33 23 00-0055	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish	717.29	23.10
32 33 23 00-0056	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish	748.22	25.40
32 33 23 00-0057	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish	805.47	27.71
32 33 23 00-0058	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	546.97	18.47
32 33 23 00-0059	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	653.23	18.47
32 33 23 00-0060	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass	1,157.09	23.10

32 33 23 00-0061 Trash Containers (Dumpsters) *(32 33 23)*

32 33 23 00-0062	EA	1 CY Straight Side Trash Dumpster	311.21	
32 33 23 00-0063	EA	1.5 CY Straight Side Trash Dumpster	466.82	
32 33 23 00-0064	EA	2 CY Straight Side Trash Dumpster	622.43	
32 33 23 00-0065	EA	2 CY Sloped Side Trash Dumpster	622.43	
32 33 23 00-0066	EA	3 CY Sloped Side Trash Dumpster	933.64	
32 33 23 00-0067	EA	4 CY Sloped Side Trash Dumpster	1,244.85	
32 33 23 00-0068	EA	6 CY Sloped Side Trash Dumpster	1,867.28	
32 33 23 00-0069	EA	8 CY Sloped Side Trash Dumpster	2,489.71	

32 33 33 Site Manufactured Planters *(32 33)*

32 33 33 00-0001 Precast Concrete Planters *(32 33 33)*

32 33 33 00-0002 Circular Precast Concrete Planters *(32 33 33 00-0001)*

32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	634.50	28.61
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	711.58	34.34
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	777.23	34.34
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	844.67	40.06
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	1,023.94	51.50
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	1,112.75	51.50
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	1,253.56	57.23
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,323.06	57.23
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,477.16	71.54
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,571.27	76.11
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,637.20	80.12
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,486.15	71.54
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,635.27	80.12
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	2,088.85	85.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	2,709.97	108.73
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	3,144.22	114.46
32 33 33 00-0019		Square Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,285.37	74.40
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,469.74	80.12
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	2,308.80	91.56
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	2,463.11	97.29
32 33 33 00-0024		Rectangular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	740.54	34.34
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	873.35	51.50
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,012.22	57.23
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,154.74	71.54
32 33 33 00-0029		Fiberglass Planters *(32 33 33)*		
32 33 33 00-0030		Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	2,082.55	28.61
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	3,478.36	28.61
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	1,382.15	28.61
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	2,742.54	28.61
32 33 33 00-0035		Tapered Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	798.74	28.61
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,179.84	28.61
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,117.97	28.61
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	2,965.07	28.61
32 33 33 00-0040		Square Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	1,054.82	28.61
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	1,078.70	28.61
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	1,091.33	28.61
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	1,240.54	28.61
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	1,349.25	28.61
32 33 33 00-0046		Rectangular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	1,216.91	28.61
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	1,306.06	28.61
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	1,707.53	28.61
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,885.83	28.61
32 33 33 00-0051		Timber Planters *(32 33 33)*		
32 33 33 00-0052		Square Timber Planters *(32 33 33 00-0051)*		
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	585.83	55.43
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	585.83	55.43
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	1,115.64	55.43
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	966.40	55.43
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	1,152.95	55.43
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,973.70	55.43
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	4,473.58	55.43
32 33 33 00-0060		Rectangular Timber Planters *(32 33 33 00-0051)*		
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	578.37	55.43
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	645.53	55.43
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	847.00	55.43
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	936.55	55.43
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	1,205.18	55.43
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,399.20	55.43
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter	1,563.36	55.43
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter	2,033.47	55.43
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter	2,294.65	55.43
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter	2,615.52	55.43
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter	2,488.66	55.43
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter	2,816.99	55.43
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter	3,152.79	55.43
32 33 43		**Site Seating and Tables** *(32 33)*		
32 33 43 13		**Site Seating** *(32 33 43)*		
32 33 43 13-0001		Benches (Landscapeforms) *(32 33 43 13)*		
		Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.		
32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,642.81	92.38
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	2,051.06	92.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	2,313.51	92.38
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	192.00	23.10
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,794.95	92.38
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	2,029.51	92.38
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	2,213.35	92.38
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,498.61	92.38
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,530.31	92.38
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,815.58	92.38
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,281.64	92.38
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,565.90	92.38
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	931.50	69.29
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	1,006.30	69.29
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	1,089.24	80.84
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,268.77	80.84
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,164.04	80.84
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,238.84	80.84
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,336.75	92.38
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,531.24	92.38
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,298.69	80.84
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,396.59	92.38
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,471.39	92.38
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,665.88	92.38
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,644.42	92.38
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	3,037.45	92.38
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,701.13	92.38
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,051.06	92.38
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,226.02	92.38
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	2,168.97	92.38
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,403.53	92.38
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,657.10	92.38
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,891.65	92.38
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	3,132.54	92.38
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,758.53	92.38
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,993.08	92.38
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,379.78	92.38
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,627.01	92.38
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,855.22	92.38
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	629.42	23.10
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	844.95	23.10
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	844.95	23.10
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	768.88	23.10
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	952.72	23.10
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	952.72	23.10
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	952.72	23.10
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	192.00	23.10
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	882.99	23.10
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	978.08	23.10
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,073.17	23.10
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	1,066.83	23.10
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,161.92	23.10
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,257.01	23.10
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	1,054.15	23.10
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,149.24	23.10
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,244.33	23.10
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,288.70	23.10
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,383.79	23.10
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,478.88	23.10
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,288.70	23.10
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,383.79	23.10
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,478.88	23.10
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,769.59	92.38
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,794.95	92.38
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	2,181.65	92.38
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,644.42	92.38
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	3,119.87	92.38
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,569.96	92.38
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,427.27	92.38
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,896.38	92.38
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,940.76	92.38
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,232.36	92.38
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,517.63	92.38
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,815.58	92.38
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	3,107.19	92.38
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,517.63	92.38
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	3,043.79	92.38
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,557.28	92.38
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,855.22	92.38
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	4,489.15	92.38
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,780.76	92.38
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	5,066.03	92.38
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,207.65	80.84
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,454.89	80.84
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,588.01	80.84
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,858.35	92.38
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	2,105.58	92.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0089		Benches (Columbia Cascade, TimberForm) *(32 33 43 13)*		
32 33 43 13-0090		Wood Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*		
		Note: Includes powder coated steel frames.		
32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	891.43	46.20
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	1,023.55	46.20
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	1,314.17	46.20
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	931.09	46.20
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	1,063.19	46.20
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	1,367.02	46.20
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	1,367.02	46.20
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	1,591.59	46.20
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	2,053.93	46.20
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	1,433.07	46.20
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	1,657.64	46.20
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	2,146.40	46.20
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	2,648.38	46.20
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	3,110.73	46.20
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	4,075.06	46.20
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	2,714.43	46.20
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	3,176.78	46.20
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	4,167.53	46.20
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	1,036.77	46.20
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	1,168.87	46.20
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	1,076.40	46.20
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	1,208.50	46.20
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	1,736.90	46.20
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	2,053.93	46.20
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,842.58	46.20
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	2,159.61	46.20
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	1,086.19	69.29
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	1,139.03	69.29
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	1,548.54	69.29
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	838.62	46.20
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	970.72	46.20
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	1,102.82	46.20
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	1,419.86	46.20
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	1,551.96	46.20
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	851.83	46.20
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	983.93	46.20
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	1,116.03	46.20
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	1,459.49	46.20
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,591.59	46.20
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	1,446.28	46.20
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,670.85	46.20
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	2,159.61	46.20
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	2,384.18	46.20
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	1,472.70	46.20
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,697.27	46.20
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	2,199.24	46.20
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	2,423.81	46.20
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	1,446.28	46.20
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	2,040.72	46.20
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,816.16	46.20
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	2,397.39	46.20
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	2,621.96	46.20
32 33 43 13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	1,657.64	46.20
32 33 43 13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	2,080.35	46.20
32 33 43 13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,842.58	46.20
32 33 43 13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	2,437.02	46.20
32 33 43 13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	2,661.59	46.20
32 33 43 13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	1,522.12	69.29
32 33 43 13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,759.90	69.29
32 33 43 13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	2,261.87	69.29
32 33 43 13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	1,667.43	69.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,905.21	69.29
32 33 43 13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	2,486.44	69.29
32 33 43 13-0154		**Recycled Plastic Benches (Columbia Cascade, TimberForm)** *(32 33 43 13-0089)*		
		Note: Includes powder coated steel frames.		
32 33 43 13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	1,221.71	46.20
32 33 43 13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	1,670.85	46.20
32 33 43 13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	1,261.34	46.20
32 33 43 13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	1,710.48	46.20
32 33 43 13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,921.84	46.20
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	2,252.08	46.20
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	2,027.51	46.20
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	2,357.76	46.20
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	1,218.29	69.29
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	1,469.28	69.29
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	1,733.48	69.29
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	997.11	46.20
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	1,340.59	46.20
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	1,604.79	46.20
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	1,036.77	46.20
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	1,380.23	46.20
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	1,657.64	46.20
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	1,591.59	46.20
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	2,146.40	46.20
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	2,608.75	46.20
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	1,657.64	46.20
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	2,238.87	46.20
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	2,701.22	46.20
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	3,110.73	46.20
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	4,286.42	46.20
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	4,748.77	46.20
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	3,176.78	46.20
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	4,378.89	46.20
32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	4,841.24	46.20
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,948.25	46.20
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	2,714.43	46.20
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	2,595.54	46.20
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	2,978.63	46.20
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	4,009.01	46.20
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	1,974.67	46.20
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	2,754.06	46.20
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	2,635.17	46.20
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	3,018.26	46.20
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	4,075.06	46.20
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	1,852.37	69.29
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	2,499.65	69.29
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	3,094.10	69.29
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	2,076.93	69.29
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	2,777.06	69.29
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	3,054.47	69.29
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	891.46	46.20
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	1,168.87	46.20
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	1,578.38	46.20
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,855.79	46.20
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	2,159.61	46.20
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P)	917.88	46.20
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P)	1,195.29	46.20
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P)	1,618.01	46.20
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P)	1,895.42	46.20
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P)	2,212.45	46.20
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E)	1,736.90	46.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E)	2,384.18	46.20
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	2,939.00	46.20
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	3,308.88	46.20
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P)	1,763.32	46.20
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P)	2,423.81	46.20
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P)	2,978.63	46.20
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P)	3,361.72	46.20

32 33 43 53 Site Tables *(32 33 43)*

32 33 43 53-0001 Tables *(32 33 43 53)*

32 33 43 53-0002 Tables (Wabash) *(32 33 43 53-0001)*

32 33 43 53-0003	EA	Spyder ADA Round Table (Wabash SY203P)	2,629.72	83.14
32 33 43 53-0004	EA	Shelter With 6' Table (Wabash SH105P)	7,999.69	83.14
32 33 43 53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C)	2,417.44	83.14
32 33 43 53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I)	2,591.91	92.38

32 33 43 53-0007 Tables (Landscapeforms) *(32 33 43 53-0001)*

32 33 43 53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs	806.02	86.38
32 33 43 53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus)	1,008.88	86.38
32 33 43 53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,008.88	86.38
32 33 43 53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,008.88	86.38
32 33 43 53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee)	3,053.18	86.38
32 33 43 53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee)	2,712.38	86.38
32 33 43 53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee)	2,399.97	86.38
32 33 43 53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms)	253.57	
32 33 43 53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey)	2,407.10	83.14
32 33 43 53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,268.77	64.67
32 33 43 53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,059.31	64.67
32 33 43 53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen)	2,819.66	83.14
32 33 43 53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,712.38	86.38
32 33 43 53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,712.38	86.38
32 33 43 53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,521.78	86.38
32 33 43 53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,521.78	86.38
32 33 43 53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,896.98	86.38
32 33 43 53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,896.98	86.38
32 33 43 53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,825.98	86.38
32 33 43 53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,825.98	86.38
32 33 43 53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,692.18	86.38
32 33 43 53-0031	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,692.18	86.38
32 33 43 53-0032	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,010.58	86.38
32 33 43 53-0033	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,010.58	86.38
32 33 43 53-0034	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,876.78	86.38
32 33 43 53-0035	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,876.78	86.38
32 33 43 53-0036	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,882.78	86.38
32 33 43 53-0037	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,882.78	86.38
32 33 43 53-0038	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0039	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0040	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,067.38	86.38
32 33 43 53-0041	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,067.38	86.38
32 33 43 53-0042	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,890.98	86.38
32 33 43 53-0043	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,890.98	86.38
32 33 43 53-0044	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,024.78	86.38
32 33 43 53-0045	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,024.78	86.38
32 33 43 53-0046	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,919.38	86.38
32 33 43 53-0047	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,919.38	86.38
32 33 43 53-0048	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,209.38	86.38
32 33 43 53-0049	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,209.38	86.38
32 33 43 53-0050	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,103.98	86.38
32 33 43 53-0051	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,103.98	86.38
32 33 43 53-0052	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,517.63	86.38
32 33 43 53-0053	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,517.63	86.38
32 33 43 53-0054	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,316.38	86.38
32 33 43 53-0055	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,316.38	86.38
32 33 43 53-0056	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,619.06	86.38
32 33 43 53-0057	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,619.06	86.38
32 33 43 53-0058	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,405.13	86.38
32 33 43 53-0059	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,405.13	86.38
32 33 43 53-0060	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,631.74	86.38
32 33 43 53-0061	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,631.74	86.38
32 33 43 53-0062	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,468.53	86.38
32 33 43 53-0063	EA	6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,468.53	86.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0064	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,720.49	86.38
32 33 43 53-0065	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,720.49	86.38
32 33 43 53-0066	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,557.28	86.38
32 33 43 53-0067	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,557.28	86.38
32 33 43 53-0068	EA	3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,682.45	86.38
32 33 43 53-0069	EA	4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,682.45	86.38
32 33 43 53-0070	EA	5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,493.88	86.38
32 33 43 53-0071	EA	6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,493.88	86.38
32 33 43 53-0072	EA	3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,777.54	86.38
32 33 43 53-0073	EA	4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,777.54	86.38
32 33 43 53-0074	EA	5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,582.63	86.38
32 33 43 53-0075	EA	6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,582.63	86.38
32 33 43 53-0076	EA	3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,840.94	86.38
32 33 43 53-0077	EA	4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,840.94	86.38
32 33 43 53-0078	EA	5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,741.12	86.38
32 33 43 53-0079	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,741.12	86.38
32 33 43 53-0080	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,929.69	86.38
32 33 43 53-0081	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,929.69	86.38
32 33 43 53-0082	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,829.87	86.38
32 33 43 53-0083	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,829.87	86.38

32 33 43 53-0084 Tables (Columbia Cascade Co. - TimberForm) *(32 33 43 53-0001)*

32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E)	4,878.18	107.91
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P)	5,957.53	107.91
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E)	4,113.64	107.91
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P)	5,133.03	107.91
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E)	2,734.47	107.91
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P)	2,974.32	107.91
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)	2,329.71	107.91
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)	2,539.58	107.91
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E)	3,049.28	107.91
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P)	3,259.15	107.91
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)	4,938.14	107.91
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E)	2,704.49	107.91
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P)	2,914.36	107.91
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)	4,593.35	107.91
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)	3,364.09	107.91
32 33 43 53-0100	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P)	3,603.95	107.91
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)	3,933.75	107.91
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)	4,173.60	107.91
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)	4,938.14	107.91
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)	5,178.00	107.91
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)	4,938.14	107.91
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)	5,178.00	107.91
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6)	1,156.74	43.15
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6)	1,546.51	43.15
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095)	331.03	21.61
32 33 43 53-0110	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E)	3,364.09	107.91
32 33 43 53-0111	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E)	3,843.80	107.91
32 33 43 53-0112	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P)	3,603.95	107.91
32 33 43 53-0113	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P)	4,083.66	107.91
32 33 43 53-0114	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E)	3,738.86	107.91
32 33 43 53-0115	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E)	4,218.58	107.91
32 33 43 53-0116	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P)	3,978.72	107.91
32 33 43 53-0117	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P)	4,458.43	107.91
32 33 43 53-0118	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6)	3,165.54	43.15
32 33 43 53-0119	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8)	3,555.30	43.15
32 33 43 53-0120	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6)	3,540.31	43.15
32 33 43 53-0121	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8)	3,930.08	43.15
32 33 43 53-0122	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E)	7,966.33	107.91
32 33 43 53-0123	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P)	8,805.82	107.91
32 33 43 53-0124	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E)	7,966.33	107.91
32 33 43 53-0125	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P)	8,805.82	107.91
32 33 43 53-0126	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E)	1,954.93	107.91
32 33 43 53-0127	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E)	2,149.82	107.91
32 33 43 53-0128	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E)	2,344.70	107.91
32 33 43 53-0129	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P)	2,089.85	107.91
32 33 43 53-0130	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P)	2,284.74	107.91
32 33 43 53-0131	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P)	2,479.62	107.91
32 33 43 53-0132	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E)	1,909.96	107.91
32 33 43 53-0133	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E)	2,044.88	107.91
32 33 43 53-0134	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E)	2,179.80	107.91
32 33 43 53-0135	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P)	2,044.88	107.91
32 33 43 53-0136	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P)	2,179.80	107.91
32 33 43 53-0137	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P)	2,314.72	107.91
32 33 43 53-0138	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E)	1,850.00	107.91
32 33 43 53-0139	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E)	2,044.88	107.91
32 33 43 53-0140	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E)	2,239.76	107.91
32 33 43 53-0141	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P)	1,850.00	107.91
32 33 43 53-0142	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P)	2,044.88	107.91
32 33 43 53-0143	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P)	2,239.76	107.91
32 33 43 53-0144	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L)	1,850.00	107.91
32 33 43 53-0145	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L)	2,044.88	107.91
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L)	2,239.76	107.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0147	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E)	1,760.05	107.91
32 33 43 53-0148	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E)	1,894.97	107.91
32 33 43 53-0149	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E)	2,029.89	107.91
32 33 43 53-0150	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P)	1,760.05	107.91
32 33 43 53-0151	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P)	1,894.97	107.91
32 33 43 53-0152	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P)	2,029.89	107.91
32 33 43 53-0153	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L)	1,760.05	107.91
32 33 43 53-0154	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L)	1,894.97	107.91
32 33 43 53-0155	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L)	2,029.89	107.91
32 33 43 53-0156	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-E)	1,685.10	107.91
32 33 43 53-0157	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-E)	1,879.98	107.91
32 33 43 53-0158	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-E)	2,074.86	107.91
32 33 43 53-0159	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-P)	1,820.02	107.91
32 33 43 53-0160	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-P)	2,014.90	107.91
32 33 43 53-0161	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-P)	2,209.78	107.91
32 33 43 53-0162	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-E)	1,565.17	107.91
32 33 43 53-0163	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-E)	1,685.10	107.91
32 33 43 53-0164	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-E)	1,820.02	107.91
32 33 43 53-0165	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-P)	1,685.10	107.91
32 33 43 53-0166	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-P)	1,820.02	107.91
32 33 43 53-0167	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-P)	1,954.93	107.91
32 33 43 53-0168	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E)	1,775.04	107.91
32 33 43 53-0169	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E)	1,969.93	107.91
32 33 43 53-0170	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E)	2,164.81	107.91
32 33 43 53-0171	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P)	1,775.04	107.91
32 33 43 53-0172	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P)	1,969.93	107.91
32 33 43 53-0173	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P)	2,164.81	107.91
32 33 43 53-0174	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L)	1,775.04	107.91
32 33 43 53-0175	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L)	1,969.93	107.91
32 33 43 53-0176	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L)	2,164.81	107.91
32 33 43 53-0177	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E)	1,670.11	107.91
32 33 43 53-0178	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E)	1,805.03	107.91
32 33 43 53-0179	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E)	1,939.94	107.91
32 33 43 53-0180	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P)	1,670.11	107.91
32 33 43 53-0181	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P)	1,805.03	107.91
32 33 43 53-0182	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P)	1,939.94	107.91
32 33 43 53-0183	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L)	1,670.11	107.91
32 33 43 53-0184	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L)	1,805.03	107.91
32 33 43 53-0185	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L)	1,939.94	107.91
32 33 43 53-0186	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-E)	1,565.17	107.91
32 33 43 53-0187	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-E)	1,625.13	107.91
32 33 43 53-0188	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-E)	1,685.10	107.91
32 33 43 53-0189	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-P)	1,700.09	107.91
32 33 43 53-0190	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-P)	1,760.05	107.91
32 33 43 53-0191	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-P)	1,820.02	107.91
32 33 43 53-0192	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-E)	1,550.18	107.91
32 33 43 53-0193	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-E)	1,595.15	107.91
32 33 43 53-0194	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-E)	1,640.12	107.91
32 33 43 53-0195	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-P)	1,685.10	107.91
32 33 43 53-0196	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-P)	1,730.07	107.91
32 33 43 53-0197	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-P)	1,775.04	107.91
32 33 43 53-0198	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E)	1,595.15	107.91
32 33 43 53-0199	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E)	1,655.11	107.91
32 33 43 53-0200	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E)	1,715.08	107.91
32 33 43 53-0201	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P)	1,595.15	107.91
32 33 43 53-0202	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P)	1,655.11	107.91
32 33 43 53-0203	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P)	1,715.08	107.91
32 33 43 53-0204	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L)	1,595.15	107.91
32 33 43 53-0205	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L)	1,655.11	107.91
32 33 43 53-0206	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L)	1,715.08	107.91
32 33 43 53-0207	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E)	1,595.15	107.91
32 33 43 53-0208	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E)	1,640.12	107.91
32 33 43 53-0209	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E)	1,685.10	107.91
32 33 43 53-0210	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P)	1,595.15	107.91
32 33 43 53-0211	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P)	1,640.12	107.91
32 33 43 53-0212	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P)	1,685.10	107.91
32 33 43 53-0213	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L)	1,595.15	107.91
32 33 43 53-0214	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L)	1,640.12	107.91
32 33 43 53-0215	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L)	1,685.10	107.91
32 33 43 53-0216	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-E)	1,625.13	107.91
32 33 43 53-0217	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-E)	1,685.10	107.91
32 33 43 53-0218	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-E)	1,745.06	107.91
32 33 43 53-0219	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-P)	1,760.05	107.91
32 33 43 53-0220	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-P)	1,820.02	107.91
32 33 43 53-0221	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-P)	1,879.98	107.91
32 33 43 53-0222	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-E)	1,730.07	107.91
32 33 43 53-0223	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-E)	1,775.04	107.91
32 33 43 53-0224	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-E)	1,820.02	107.91
32 33 43 53-0225	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-P)	1,864.99	107.91
32 33 43 53-0226	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-P)	1,909.96	107.91
32 33 43 53-0227	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-P)	1,954.93	107.91
32 33 43 53-0228	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E)	1,700.09	107.91
32 33 43 53-0229	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E)	1,760.05	107.91
32 33 43 53-0230	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E)	1,820.02	107.91
32 33 43 53-0231	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P)	1,700.09	107.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0232	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P)	1,760.05	107.91
32 33 43 53-0233	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P)	1,820.02	107.91
32 33 43 53-0234	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L)	1,700.09	107.91
32 33 43 53-0235	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L)	1,760.05	107.91
32 33 43 53-0236	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L)	1,820.02	107.91
32 33 43 53-0237	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E)	1,805.03	107.91
32 33 43 53-0238	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E)	1,850.00	107.91
32 33 43 53-0239	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E)	1,894.97	107.91
32 33 43 53-0240	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P)	1,805.03	107.91
32 33 43 53-0241	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P)	1,850.00	107.91
32 33 43 53-0242	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P)	1,894.97	107.91
32 33 43 53-0243	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L)	1,805.03	107.91
32 33 43 53-0244	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L)	1,850.00	107.91
32 33 43 53-0245	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L)	1,894.97	107.91
32 33 43 53-0246	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-E)	1,370.29	107.91
32 33 43 53-0247	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-E)	1,415.26	107.91
32 33 43 53-0248	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-E)	1,460.23	107.91
32 33 43 53-0249	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-P)	1,505.21	107.91
32 33 43 53-0250	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-P)	1,550.18	107.91
32 33 43 53-0251	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-P)	1,595.15	107.91
32 33 43 53-0252	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-E)	1,625.13	107.91
32 33 43 53-0253	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-E)	1,685.10	107.91
32 33 43 53-0254	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-E)	1,745.06	107.91
32 33 43 53-0255	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-P)	1,460.23	107.91
32 33 43 53-0256	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-P)	1,520.20	107.91
32 33 43 53-0257	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-P)	1,580.16	107.91
32 33 43 53-0258	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-E)	1,340.30	107.91
32 33 43 53-0259	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-E)	1,385.28	107.91
32 33 43 53-0260	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-E)	1,430.25	107.91
32 33 43 53-0261	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-P)	1,475.22	107.91
32 33 43 53-0262	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-P)	1,520.20	107.91
32 33 43 53-0263	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-P)	1,565.17	107.91

32 33 43 53-0264 Picnic Tables *(32 33 43 53)*

32 33 43 53-0265 Concrete Picnic Tables *(32 33 43 53-0264)*

32 33 43 53-0266	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT)	2,594.58	184.77
32 33 43 53-0267	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) Note: Standard sealer	3,071.01	
32 33 43 53-0268	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) Note: Standard sealer	3,080.69	
32 33 43 53-0269	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) Note: Includes table top, four benches and mounting hardware.	3,266.54	

32 33 63 Skate Board Deterrent *(32 33)*

32 33 63 00-0001 Skate Stoppers *(32 33 63)*

32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	65.18
		For >59 To 99, Deduct	*-7.05*
		For >99 To 249, Deduct	*-8.89*
		For >249, Deduct	*-10.73*
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	69.09
		For >59 To 99, Deduct	*-7.59*
		For >99 To 249, Deduct	*-9.55*
		For >249, Deduct	*-11.51*
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	48.52
		For >59 To 99, Deduct	*-4.71*
		For >99 To 249, Deduct	*-6.05*
		For >249, Deduct	*-7.39*
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	38.70
		For >59 To 99, Deduct	*-3.34*
		For >99 To 249, Deduct	*-4.38*
		For >249, Deduct	*-5.43*
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	42.37
		For >59 To 99, Deduct	*-3.85*
		For >99 To 249, Deduct	*-5.01*
		For >249, Deduct	*-6.16*
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	40.51
		For >59 To 99, Deduct	*-3.59*
		For >99 To 249, Deduct	*-4.69*
		For >249, Deduct	*-5.79*
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	38.09
		For >59 To 99, Deduct	*-3.25*
		For >99 To 249, Deduct	*-4.28*
		For >249, Deduct	*-5.31*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	53.09	
		For >59 To 99, Deduct	*-5.35*	
		For >99 To 249, Deduct	*-6.83*	
		For >249, Deduct	*-8.31*	
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	98.07	
		For >59 To 99, Deduct	*-11.65*	
		For >99 To 249, Deduct	*-14.48*	
		For >249, Deduct	*-17.30*	

32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards *(32 39)*

32 39 13 00-0001 Metal Pipe Bollards *(32 39 13)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*

32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	76.85	14.04
		For Galvanized Steel, Add	*8.29*	
		For 304 Stainless Steel, Add	*65.83*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*136.36*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*92.04*	
		For Schedule 80, Add	*10.12*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*10.27*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	105.00	14.04
		For Galvanized Steel, Add	*13.07*	
		For 304 Stainless Steel, Add	*103.83*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*136.36*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*92.04*	
		For Schedule 80, Add	*14.35*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*14.51*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	149.19	17.56
		For Galvanized Steel, Add	*19.39*	
		For 304 Stainless Steel, Add	*154.01*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*178.44*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*135.79*	
		For Schedule 80, Add	*20.62*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*19.37*	
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	198.21	21.07
		For Galvanized Steel, Add	*26.53*	
		For 304 Stainless Steel, Add	*210.71*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*206.52*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*149.32*	
		For Schedule 80, Add	*27.63*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*23.71*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	249.87	28.09
		For Galvanized Steel, Add	*32.93*	
		For 304 Stainless Steel, Add	*261.48*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*274.87*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*205.10*	
		For Schedule 80, Add	*34.67*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*27.68*	

32 39 13 00-0008 Cast Bollards *(32 39 13 00-0001)*

32 39 13 00-0009	EA	36" Cast Aluminum Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	1,951.98	84.26
32 39 13 00-0010	EA	36" Cast Aluminum Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	3,293.16	84.26
32 39 13 00-0011	EA	36" Cast Iron Bollard, Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	1,655.47	84.26
32 39 13 00-0012	EA	36" Cast Iron Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	3,004.58	84.26

32 39 23 Manufactured Concrete Bollards *(32 39)*

32 39 23 00-0001 Concrete Bollards *(32 39 23)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 23 00-0002 Concrete Bollard, Exposed Aggregate *(32 39 23 00-0001)*

32 39 23 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	680.00	112.36
32 39 23 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	680.00	112.36

32 39 25 Manufactured Wood Bollards *(32 39)*

32 39 25 00-0001 Wood Bollards *(32 39 25)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 25 00-0002		Wood Bollard, Pressure Treated Timber *(32 39 25 00-0001)*		
32 39 25 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	25.54	11.23
		For Each Sleeve For Removable, Lockable Bollard, Add	*90.32*	
32 39 25 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	28.77	11.23
		For Each Sleeve For Removable, Lockable Bollard, Add	*90.32*	
32 39 25 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	36.48	12.64
		For Each Sleeve For Removable, Lockable Bollard, Add	*133.91*	
32 39 25 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	51.17	16.85
		For Each Sleeve For Removable, Lockable Bollard, Add	*150.14*	
32 39 25 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	70.08	22.48
		For Each Sleeve For Removable, Lockable Bollard, Add	*210.97*	

32 39 27 Manufactured Plastic Bollards *(32 39)*

32 39 27 00-0001 Plastic Bollards *(32 39 27)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.

32 39 27 00-0002 Recycled Plastic Bollards *(32 39 27 00-0001)*

32 39 27 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	366.54	56.18
32 39 27 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	592.81	56.18

32 39 27 00-0005 Plastic Bollard Covers *(32 39 27 00-0001)*

32 39 27 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	91.00	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	98.34	13.09
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	124.60	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	124.60	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	140.29	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	124.60	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	126.84	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	124.60	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	126.84	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	178.38	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	126.97	13.09
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	162.82	13.09
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	185.72	13.09
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	156.24	14.28
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	169.69	14.28
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	169.69	14.28
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	230.20	14.28
		For Reflective Tape, Add	*10.67*	

32 39 29 Manufactured Stone Bollards *(32 39)*

32 39 29 00-0001 Stone Bollards *(32 39 29)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 29 00-0002 Granite Bollards *(32 39 29 00-0001)*

32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,736.92	140.45
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	2,193.42	196.62
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	1,059.21	140.45
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,601.31	112.36
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	2,408.75	112.36

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001 Drip Emitter Irrigation Devices *(32 84 13)*

32 84 13 00-0002 Drip Emitter Irrigation Valves *(32 84 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	54.53	12.97
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	86.48	12.97
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	84.25	12.97
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	114.26	12.97
32 84 13 00-0007		**Drip Emitter Irrigation Filters** *(32 84 13 00-0001)*		
32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	177.69	12.97
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	179.34	12.97
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	68.48	12.97
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	69.81	12.97
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	193.06	12.97
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	88.35	12.97
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	98.69	12.97
32 84 13 00-0015		**Drip Emitter Irrigation Pressure Regulators** *(32 84 13 00-0001)*		
32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	67.14	12.97
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	67.14	12.97
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	67.14	12.97
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	78.02	12.97
32 84 13 00-0020		**Drip Emitter Irrigation Tubing** *(32 84 13 00-0001)*		
		Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	4.89	1.81
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	4.52	2.07
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	3.84	1.81
		For Shallow Trenching And Backfill By Hand, Add	*7.46*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	4.55	2.07
		For Shallow Trenching And Backfill By Hand, Add	*8.08*	
32 84 13 00-0025		**Drip Emitter Irrigation Fittings** *(32 84 13 00-0001)*		
32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	3.44	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	3.48	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	3.54	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	3.73	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	3.41	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	3.63	
		For Compression Fitting, Add	*0.39*	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	3.75	
		For Compression Fitting, Add	*0.51*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	3.80	
		For Compression Fitting, Add	*0.56*	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	3.83	
		For Compression Fitting, Add	*0.59*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	4.07	
		For Compression Fitting, Add	*0.83*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	4.34	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	2.14	
32 84 13 00-0038		**Drip Emitters** *(32 84 13 00-0001)*		
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	7.10	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	8.15	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	17.20	
32 84 13 00-0042		**Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters** *(32 84 13 00-0001)*		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	27.58	11.67
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	27.64	11.67
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	30.56	11.67
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	30.87	11.67
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	44.86	15.30
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	48.63	15.30
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	49.76	15.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0050		**Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)** *(32 84 13 00-0001)* Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	5.17	2.27
32 84 23		**Underground Sprinklers** *(32 84)*		
32 84 23 00-0001		**Sprinkler Heads** *(32 84 23)*		
32 84 23 00-0002		**Spray Sprinkler Heads** *(32 84 23 00-0001)* Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	39.50	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	37.36	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	45.27	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	51.89	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	40.34	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	51.47	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	56.82	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	43.51	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	53.65	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	58.66	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	44.78	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	60.35	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	65.28	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	33.21	14.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	38.15	14.33
32 84 23 00-0018		**Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0001)* Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		**1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	55.13	14.33
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	56.89	14.33
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0022		**3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	50.91	14.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	69.93	14.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	54.43	14.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	72.75	14.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	55.84	14.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	58.66	14.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	76.97	14.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	88.25	14.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	58.30	14.33
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	69.58	14.33
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0033		1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	96.35	14.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add	*51.86*	
32 84 23 00-0035		1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	137.21	14.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0037		Impact-Drive Sprinkler Heads *(32 84 23 00-0001)*		
		Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	76.62	14.33
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	59.71	14.33
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	116.05	14.33
32 84 23 00-0041		Electric Remote Control Irrigation Valves *(32 84 23)*		
32 84 23 00-0042		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	166.53	59.72
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	166.53	59.72
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	183.60	68.08
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	167.94	59.72
32 84 23 00-0047		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	167.94	59.72
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	185.71	68.08
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	187.12	68.08
32 84 23 00-0051		0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	280.67	59.72
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	329.98	59.72
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	393.39	59.72
32 84 23 00-0055		5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	402.95	67.13
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	452.27	67.13
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	515.68	67.13
32 84 23 00-0059		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	473.40	67.13
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	522.72	67.13
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	586.13	67.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0063		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	420.93	59.72
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	647.67	59.72
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	668.17	59.72
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,575.46	80.63
32 84 23 00-0068		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	387.66	67.13
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	455.08	67.13
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	528.29	67.13
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	624.67	67.13
32 84 23 00-0073		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	514.39	67.13
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	783.41	67.13
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	806.46	67.13
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,685.23	67.13
32 84 23 00-0078		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	523.41	59.72
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	750.15	59.72
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	770.65	59.72
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	1,677.94	80.63
32 84 23 00-0083		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	493.34	67.13
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	560.77	67.13
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	633.97	67.13
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	730.35	67.13
32 84 23 00-0088		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	616.87	67.13
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	885.89	67.13
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	908.94	67.13
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	1,787.71	67.13
32 84 23 00-0093		**Other Electric Remote Control Valves/Accessories** *(32 84 23 00-0041)*		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	153.45	
32 84 23 00-0095		**Irrigation Valve Boxes** *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0096	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	101.06	43.00
32 84 23 00-0097	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	117.70	43.00
32 84 23 00-0098	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	154.41	56.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0099	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	260.55	82.65
32 84 23 00-0100	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	265.87	82.65
32 84 23 00-0101	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	304.04	82.65
32 84 23 00-0102	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	308.58	82.65
32 84 23 00-0103	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	526.68	82.65
32 84 23 00-0104	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	809.17	82.65
32 84 23 00-0105		Irrigation Controllers *(32 84 23)*		
32 84 23 00-0106		Irrigation Controllers *(32 84 23 00-0105)*		
32 84 23 00-0107		Irrigation Controllers (Rain Bird®) *(32 84 23 00-0106)*		
32 84 23 00-0108		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) *(32 84 23 00-0107)*		
32 84 23 00-0109		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0108)*		
32 84 23 00-0110		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) *(32 84 23 00-0109)*		
32 84 23 00-0111	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	410.98	36.96
32 84 23 00-0112	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	573.85	36.96
32 84 23 00-0113	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	736.73	36.96
32 84 23 00-0114	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	899.60	36.96
32 84 23 00-0115	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,025.53	36.96
32 84 23 00-0116	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,193.04	36.96
32 84 23 00-0117	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,360.54	36.96
32 84 23 00-0118		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0109)*		
32 84 23 00-0119	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	483.05	36.96
32 84 23 00-0120	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	645.93	36.96
32 84 23 00-0121	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	808.81	36.96
32 84 23 00-0122	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	971.68	36.96
32 84 23 00-0123	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,097.61	36.96
32 84 23 00-0124	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,265.12	36.96
32 84 23 00-0125	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,432.61	36.96
32 84 23 00-0126		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0108)*		
32 84 23 00-0127		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) *(32 84 23 00-0126)*		
32 84 23 00-0128	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	661.34	36.96
32 84 23 00-0129	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	824.21	36.96
32 84 23 00-0130	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	987.09	36.96
32 84 23 00-0131	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,149.97	36.96
32 84 23 00-0132	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,275.90	36.96
32 84 23 00-0133	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,443.41	36.96
32 84 23 00-0134	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,610.90	36.96
32 84 23 00-0135		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0126)*		
32 84 23 00-0136	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	715.35	36.96
32 84 23 00-0137	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	878.22	36.96
32 84 23 00-0138	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,041.10	36.96
32 84 23 00-0139	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,203.97	36.96
32 84 23 00-0140	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,329.90	36.96
32 84 23 00-0141	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,497.41	36.96
32 84 23 00-0142	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,664.90	36.96
32 84 23 00-0143		Accessories For ESP-ME/MEI Irrigation Controllers *(32 84 23 00-0108)*		
32 84 23 00-0144	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	167.50	
32 84 23 00-0145	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	319.96	
32 84 23 00-0146	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	460.94	
32 84 23 00-0147		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) *(32 84 23 00-0107)*		
32 84 23 00-0148		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) *(32 84 23 00-0147)*		
32 84 23 00-0149	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	978.75	36.96
32 84 23 00-0150	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,184.23	36.96
32 84 23 00-0151	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,393.21	36.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0152	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,598.70	36.96
32 84 23 00-0153	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,807.68	36.96
32 84 23 00-0154	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,013.17	36.96
32 84 23 00-0155	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,222.16	36.96
32 84 23 00-0156	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,427.64	36.96
32 84 23 00-0157	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,636.62	36.96
32 84 23 00-0158	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,842.12	36.96
32 84 23 00-0159		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) *(32 84 23 00-0147)*		
32 84 23 00-0160	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	982.98	36.96
32 84 23 00-0161	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,188.47	36.96
32 84 23 00-0162	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,397.45	36.96
32 84 23 00-0163	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,602.94	36.96
32 84 23 00-0164	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,811.93	36.96
32 84 23 00-0165	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,017.41	36.96
32 84 23 00-0166	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,226.39	36.96
32 84 23 00-0167	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,431.88	36.96
32 84 23 00-0168	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,640.86	36.96
32 84 23 00-0169	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,846.35	36.96
32 84 23 00-0170	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	3,055.34	36.96
32 84 23 00-0171		Accessories For ESP-LX/LXME Irrigation Controllers *(32 84 23 00-0147)*		
32 84 23 00-0172	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	730.30	
32 84 23 00-0173	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	1,696.55	
32 84 23 00-0174	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	1,612.90	
32 84 23 00-0175	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	3,584.10	
32 84 23 00-0176	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	205.48	
32 84 23 00-0177	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	414.48	
32 84 23 00-0178	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	643.99	
32 84 23 00-0179	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	239.94	
32 84 23 00-0180		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0107)*		
32 84 23 00-0181		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0180)*		
32 84 23 00-0182	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	477.88	36.96
32 84 23 00-0183	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	576.00	36.96
32 84 23 00-0184	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	712.83	36.96
32 84 23 00-0185		Accessories For TBOS-II Series Irrigation Controllers *(32 84 23 00-0180)*		
32 84 23 00-0186	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	611.70	
32 84 23 00-0187	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	119.60	27.71
32 84 23 00-0188		Accessories For Irrigation Controllers (Rain Bird®) *(32 84 23 00-0107)*		
32 84 23 00-0189	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)	168.53	27.71
32 84 23 00-0190	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	347.31	27.71
32 84 23 00-0191	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	368.28	27.71
32 84 23 00-0192	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	550.04	27.71
32 84 23 00-0193		Two-Wire Decoder Systems *(32 84 23 00-0105)*		
32 84 23 00-0194		Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0193)*		
32 84 23 00-0195		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) *(32 84 23 00-0194)* Note: Includes water resistant cabinet.		
32 84 23 00-0196	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	2,850.07	36.96
32 84 23 00-0197	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	4,038.56	36.96
32 84 23 00-0198	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	5,227.04	36.96
32 84 23 00-0199		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0194)*		
32 84 23 00-0200	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	347.84	36.96
32 84 23 00-0201	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	443.22	36.96
32 84 23 00-0202	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	664.36	36.96
32 84 23 00-0203	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	812.52	36.96
32 84 23 00-0204	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	1,348.94	36.96

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0205		**Accessories For Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0194)*		
32 84 23 00-0206	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	2,113.02	
32 84 23 00-0207	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	1,188.48	
32 84 23 00-0208	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	262.66	32.33
32 84 23 00-0209	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	1,202.19	36.96
32 84 23 00-0210		**Calsense Controllers** *(32 84 23 00-0105)*		
32 84 23 00-0211		**Irrigation Controllers** *(32 84 23 00-0210)*		
32 84 23 00-0212	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	2,884.42	92.38
32 84 23 00-0213	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	3,723.69	103.93
32 84 23 00-0214	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	5,115.45	115.48
32 84 23 00-0215	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	5,630.27	115.48
32 84 23 00-0216	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	6,657.87	127.03
32 84 23 00-0217	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	8,039.08	127.03
32 84 23 00-0218	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	9,104.37	138.58
32 84 23 00-0219	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	10,196.79	138.58
32 84 23 00-0220	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	2,946.13	46.20
32 84 23 00-0221	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	1,233.88	46.20
32 84 23 00-0222		**Irrigation Controller Accessories** *(32 84 23 00-0210)*		
32 84 23 00-0223	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	120.54	
32 84 23 00-0224	EA	Spare Lock For Enclosures (Calsense PAD)	130.59	
32 84 23 00-0225	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	153.69	11.55
32 84 23 00-0226	EA	Transformer For Irrigation Controllers (Calsense TR-1)	217.94	46.20
32 84 23 00-0227	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)	607.20	46.20
32 84 23 00-0228	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	808.10	46.20
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	*361.57*	
32 84 23 00-0229		**Sensors For Irrigation Controllers** *(32 84 23 00-0210)*		
32 84 23 00-0230		**Flow Sensors** *(32 84 23 00-0229)*		
32 84 23 00-0231	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,419.34	69.29
		For Flow Meter Replacement Insert Only, Deduct	*-1,031.95*	
32 84 23 00-0232	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	1,469.57	69.29
		For Flow Meter Replacement Insert Only, Deduct	*-1,082.18*	
32 84 23 00-0233	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	1,519.80	69.29
		For Flow Meter Replacement Insert Only, Deduct	*-1,132.41*	
32 84 23 00-0234	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	1,678.99	92.38
		For Flow Meter Replacement Insert Only, Deduct	*-1,291.29*	
32 84 23 00-0235	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,804.56	92.38
		For Flow Meter Replacement Insert Only, Deduct	*-1,416.86*	
32 84 23 00-0236	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,854.78	92.38
		For Flow Meter Replacement Insert Only, Deduct	*-1,467.08*	
32 84 23 00-0237	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	2,181.25	92.38
		For Flow Meter Replacement Insert Only, Deduct	*-1,665.37*	
32 84 23 00-0238	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle.	1,699.61	46.20
		For Flow Meter Replacement Insert Only, Deduct	*-1,183.73*	
32 84 23 00-0239		**Moisture Sensors** *(32 84 23 00-0229)*		
32 84 23 00-0240	EA	Soil Moisture Sensor (Calsense 1000-S)	596.66	34.65
32 84 23 00-0241		**Weather Sensors** *(32 84 23 00-0229)*		
32 84 23 00-0242	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	1,628.77	92.38
32 84 23 00-0243	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,863.76	184.77
32 84 23 00-0244	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	3,730.19	138.58
32 84 23 00-0245		**Weather Sensor Accessories** *(32 84 23 00-0229)*		
32 84 23 00-0246	EA	Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	1,096.90	
32 84 23 00-0247	EA	Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	2,076.31	
32 84 23 00-0248	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	1,096.90	46.20
32 84 23 00-0249	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	2,544.94	46.20
32 84 23 00-0250		**Antennas For Irrigation Controllers** *(32 84 23 00-0210)* Note: Excludes antenna cable.		
32 84 23 00-0251	EA	Local Radio Dome Antenna (Calsense LR-DOME)	569.53	46.20
32 84 23 00-0252	EA	Local Radio Stick Antenna (Calsense LR-STICK)	833.21	46.20
32 84 23 00-0253	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	925.60	92.38
32 84 23 00-0254	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	569.53	46.20
32 84 23 00-0255	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	569.53	46.20
32 84 23 00-0256	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	569.53	46.20
32 84 23 00-0257	EA	GPRS Stick Antenna (Calsense GR-STICK)	833.21	46.20
32 84 23 00-0258	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	569.53	46.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0259	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	833.21	46.20
32 84 23 00-0260	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	925.60	92.38
32 84 23 00-0261	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	569.53	46.20
32 84 23 00-0262	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	569.53	46.20
32 84 23 00-0263	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	569.53	46.20
32 84 23 00-0264	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	569.53	46.20
32 84 23 00-0265	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	15.67	0.55
32 84 23 00-0266	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	573.57	23.10
32 84 23 00-0267	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	933.67	46.20
32 84 23 00-0268	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	816.17	
32 84 23 00-0269	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	1,155.20	
32 84 23 00-0270	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	853.84	

32 84 23 00-0271 Pedestals And Enclosures For Irrigation Controllers *(32 84 23 00-0210)*

32 84 23 00-0272	EA	15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	515.28	69.29
32 84 23 00-0273	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	1,258.32	115.48
32 84 23 00-0274	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) Note: Includes GFI and receptacle.	1,410.81	46.20
32 84 23 00-0275	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) Note: Includes factory installed transient protection board and AC line protection.	1,689.08	34.65
32 84 23 00-0276	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) Note: Includes factory installed transient protection board and AC line protection.	5,307.06	34.65
32 84 23 00-0277	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) Note: Includes factory installed transient protection board, AC line protection and dome antenna.	5,995.96	34.65
32 84 23 00-0278	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	8,696.41	69.29
32 84 23 00-0279	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	9,115.91	69.29
32 84 23 00-0280	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	297.06	
32 84 23 00-0281	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	960.80	

32 84 23 00-0282 Central Computer For Irrigation Control Systems *(32 84 23 00-0210)*

32 84 23 00-0283	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2) Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	6,690.25	
32 84 23 00-0284	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1)	11,849.83	
32 84 23 00-0285	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5) Note: Package price for up to 5 users. Includes remote communication through internet connection.	2,272.12	
32 84 23 00-0286	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	4,479.56	
32 84 23 00-0287	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	7,214.55	
32 84 23 00-0288	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	4,314.87	

32 84 23 00-0289 Data Access Service *(32 84 23 00-0210)*

32 84 23 00-0290	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) Note: For communication between GPRS unit and up to 2 controllers.	36.53	
32 84 23 00-0291	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) Note: For communication between GPRS unit and up to 2 controllers.	399.52	
32 84 23 00-0292	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) Note: For communication between GPRS unit and up to 2 controllers.	1,712.25	
32 84 23 00-0293	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) Note: For communication between GPRS unit and multiple controllers.	148.40	
32 84 23 00-0294	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) Note: For communication between GPRS unit and multiple controllers.	1,598.10	
32 84 23 00-0295	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) Note: For communication between GPRS unit and multiple controllers.	6,849.00	

32 84 23 00-0296 Communication Options For Irrigation Controllers *(32 84 23 00-0210)*

32 84 23 00-0297	EA	FCC License Fee (Calsense)	240.26	
32 84 23 00-0298	EA	P.C.I.A. And/or A.P.C.O. Fee (Calsense) Note: Per frequency or frequency pair.	468.56	
32 84 23 00-0299	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	1,324.14	
32 84 23 00-0300	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R)	1,392.63	
32 84 23 00-0301	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	1,392.63	
32 84 23 00-0302	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN)	2,853.75	
32 84 23 00-0303	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	3,629.97	
32 84 23 00-0304	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	3,629.97	
32 84 23 00-0305	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	3,629.97	
32 84 23 00-0306	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	11,643.30	
32 84 23 00-0307	EA	Communication Hub For Irrigation Controllers (Calsense HUB) Note: Accepts up to two communication options. Excludes communication options.	4,480.93	

32 84 23 00-0308 Retrofit Options For Irrigation Controllers *(32 84 23 00-0210)*

32 84 23 00-0309 Weather Retrofits For Irrigation Controllers *(32 84 23 00-0308)*

32 84 23 00-0310	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	1,770.38	
32 84 23 00-0311	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	1,770.38	
32 84 23 00-0312	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	1,770.38	
32 84 23 00-0313	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	1,770.38	

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32 84 23 00-0314		**Phone Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0308)*		
32 84 23 00-0315	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	1,861.70	
32 84 23 00-0316	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	2,204.16	
32 84 23 00-0317	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	3,539.71	
32 84 23 00-0318		**Local Radio Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0308)*		
32 84 23 00-0319	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	2,090.00	
32 84 23 00-0320	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	4,418.66	
32 84 23 00-0321	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	5,742.80	
32 84 23 00-0322		**Spread Spectrum Radio Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0308)*		
32 84 23 00-0323	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	2,090.00	
32 84 23 00-0324	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	4,418.66	
32 84 23 00-0325	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	5,742.80	
32 84 23 00-0326		**Ethernet Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0308)*		
32 84 23 00-0327	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	2,090.00	
32 84 23 00-0328	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	2,204.16	
32 84 23 00-0329	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	3,539.71	
32 84 23 00-0330		**GPRS Radio Modem Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0308)*		
32 84 23 00-0331	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	2,090.00	
32 84 23 00-0332	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	4,418.66	
32 84 23 00-0333	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	5,742.80	
32 84 23 00-0334		**Radio Remote Units For Irrigation Controllers** *(32 84 23 00-0210)*		
32 84 23 00-0335	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	2,101.42	
32 84 23 00-0336	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	452.03	
32 84 23 00-0337	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	194.06	
32 84 23 00-0338	EA	Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	342.72	
32 84 23 00-0339	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) Note: Excludes antenna cable.	217.16	11.55
32 84 23 00-0340	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) Note: Excludes antenna cable.	422.62	11.55
32 84 23 00-0341	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) Note: Excludes antenna cable.	456.87	11.55
32 84 23 00-0342		**Satellite Irrigation Controllers (Rain Bird® ESP-SAT)** *(32 84 23 00-0105)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0343	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	4,912.68	207.87
32 84 23 00-0344	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	5,180.82	219.42
32 84 23 00-0345	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	7,208.03	230.97
32 84 23 00-0346		**Irrigation Valves** *(32 84 23)*		
32 84 23 00-0347		**Reduced Pressure Zone Valves With QT Shut-Offs** *(32 84 23 00-0346)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0348	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	921.88	49.29
32 84 23 00-0349	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,093.66	60.19
32 84 23 00-0350	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,654.70	70.05
32 84 23 00-0351	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,748.94	80.42
32 84 23 00-0352	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,097.76	103.77
32 84 23 00-0353		**Brass Quick-Coupling Irrigation Valves** *(32 84 23 00-0346)*		
32 84 23 00-0354	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	185.73	43.00
		For Valve Key, Add	*51.78*	
32 84 23 00-0355	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	191.72	43.00
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*51.78*	
32 84 23 00-0356	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	257.60	43.00
		For Valve Key, Add	*132.46*	

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32 84 23 00-0357	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	281.55	43.00
		For Valve Key, Add	*132.46*	
32 84 23 00-0358	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	270.28	43.00
32 84 23 00-0359	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP)	281.55	43.00
32 84 23 00-0360		**Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0346)*		
		Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0361	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	318.66	36.32
32 84 23 00-0362	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	456.78	41.51
32 84 23 00-0363	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	829.18	47.99
32 84 23 00-0364	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	1,010.00	53.18
32 84 23 00-0365	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	1,018.51	64.86
32 84 23 00-0366		**Manual Sprinkler Control Valves** *(32 84 23 00-0346)*		
32 84 23 00-0367	EA	3/4" Manual Sprinkler Control Valves, With Union	108.41	35.02
32 84 23 00-0368	EA	1" Manual Sprinkler Control Valves, With Union	132.11	37.62
32 84 23 00-0369	EA	1-1/4" Manual Sprinkler Control Valves, With Union	202.16	47.61
32 84 23 00-0370	EA	1-1/2" Manual Sprinkler Control Valves, With Union	239.58	54.88
32 84 23 00-0371	EA	2" Manual Sprinkler Control Valves, With Union	321.01	64.86
32 84 23 00-0372		**Irrigation Piping** *(32 84 23)*		
32 84 23 00-0373		**Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0372)*		
		Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
32 84 23 00-0374		**Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0373)*		
32 84 23 00-0375	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.44	1.20
		For >1,000, Deduct	*-0.17*	
32 84 23 00-0376	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.21	1.49
		For >1,000, Deduct	*-0.21*	
32 84 23 00-0377	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	5.05	1.79
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0378	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.67	2.26
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0379	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.35	2.84
		For >1,000, Deduct	*-0.42*	
32 84 23 00-0380	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.56	3.32
		For >1,000, Deduct	*-0.53*	
32 84 23 00-0381	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.51	4.78
		For >1,000, Deduct	*-0.73*	
32 84 23 00-0382	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	18.88	5.97
		For >1,000, Deduct	*-0.94*	
32 84 23 00-0383	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	26.68	7.47
		For >1,000, Deduct	*-1.33*	
32 84 23 00-0384		**Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0373)*		
32 84 23 00-0385	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	3.99	1.49
		For >1,000, Deduct	*-0.20*	
32 84 23 00-0386	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.69	1.79
		For >1,000, Deduct	*-0.23*	
32 84 23 00-0387	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	6.41	2.26
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0388	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	8.13	2.84
		For >1,000, Deduct	*-0.41*	
32 84 23 00-0389	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	10.24	3.32
		For >1,000, Deduct	*-0.51*	
32 84 23 00-0390	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.39	4.78
		For >1,000, Deduct	*-0.72*	
32 84 23 00-0391	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.56	5.97
		For >1,000, Deduct	*-0.98*	
32 84 23 00-0392	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	30.95	7.47
		For >1,000, Deduct	*-1.55*	
32 84 23 00-0393		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0373)*		
32 84 23 00-0394	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.17	1.49
		For >1,000, Deduct	*-0.21*	
32 84 23 00-0395	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.94	1.79
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0396	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.89	2.26
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0397	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.92	2.84
		For >1,000, Deduct	*-0.45*	
32 84 23 00-0398	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	11.49	3.32
		For >1,000, Deduct	*-0.57*	
32 84 23 00-0399	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.51	4.78
		For >1,000, Deduct	*-0.73*	
32 84 23 00-0400	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	18.88	5.97
		For >1,000, Deduct	*-0.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0401	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	27.09	7.47
		For >1,000, Deduct	*-1.35*	

32 84 23 00-0402 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted

(32 84 23 00-0372)

Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.

32 84 23 00-0403 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0402)*

32 84 23 00-0404	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.41	1.49
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0405	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.27	1.79
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0406	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	8.88	2.26
		For >1,000, Deduct	*-0.44*	
32 84 23 00-0407	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.56	2.84
		For >1,000, Deduct	*-0.53*	
32 84 23 00-0408	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	12.78	3.32
		For >1,000, Deduct	*-0.64*	
32 84 23 00-0409	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.72	4.78
		For >1,000, Deduct	*-0.84*	
32 84 23 00-0410	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.09	5.97
		For >1,000, Deduct	*-1.05*	
32 84 23 00-0411	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	28.89	7.47
		For >1,000, Deduct	*-1.44*	

32 84 23 00-0412 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0402)*

32 84 23 00-0413	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.69	1.49
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0414	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.54	1.79
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0415	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.15	2.26
		For >1,000, Deduct	*-0.46*	
32 84 23 00-0416	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	10.82	2.84
		For >1,000, Deduct	*-0.54*	
32 84 23 00-0417	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.05	3.32
		For >1,000, Deduct	*-0.65*	
32 84 23 00-0418	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.99	4.78
		For >1,000, Deduct	*-0.85*	
32 84 23 00-0419	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	21.37	5.97
		For >1,000, Deduct	*-1.07*	
32 84 23 00-0420	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	29.16	7.47
		For >1,000, Deduct	*-1.46*	

32 84 23 00-0421 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0402)*

32 84 23 00-0422	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.95	1.49
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0423	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.81	1.79
		For >1,000, Deduct	*-0.39*	
32 84 23 00-0424	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.42	2.26
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0425	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.09	2.84
		For >1,000, Deduct	*-0.55*	
32 84 23 00-0426	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	13.32	3.32
		For >1,000, Deduct	*-0.67*	
32 84 23 00-0427	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	17.26	4.78
		For >1,000, Deduct	*-0.86*	
32 84 23 00-0428	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	21.63	5.97
		For >1,000, Deduct	*-1.08*	
32 84 23 00-0429	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	29.42	7.47
		For >1,000, Deduct	*-1.47*	

32 84 23 00-0430 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0402)*

32 84 23 00-0431	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.30	1.49
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0432	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.08	1.79
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0433	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	8.90	2.26
		For >1,000, Deduct	*-0.45*	
32 84 23 00-0434	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.94	2.84
		For >1,000, Deduct	*-0.55*	
32 84 23 00-0435	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	13.39	3.32
		For >1,000, Deduct	*-0.67*	
32 84 23 00-0436	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.60	4.78
		For >1,000, Deduct	*-0.83*	
32 84 23 00-0437	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.76	5.97
		For >1,000, Deduct	*-1.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0438	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	33.16	7.47
		For >1,000, Deduct	*-1.66*	

32 84 23 00-0439 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0402)*

32 84 23 00-0440	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.58	1.49
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0441	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.35	1.79
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0442	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.17	2.26
		For >1,000, Deduct	*-0.46*	
32 84 23 00-0443	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.20	2.84
		For >1,000, Deduct	*-0.56*	
32 84 23 00-0444	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.66	3.32
		For >1,000, Deduct	*-0.68*	
32 84 23 00-0445	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.87	4.78
		For >1,000, Deduct	*-0.84*	
32 84 23 00-0446	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	22.04	5.97
		For >1,000, Deduct	*-1.10*	
32 84 23 00-0447	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	33.43	7.47
		For >1,000, Deduct	*-1.67*	

32 84 23 00-0448 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0402)*

32 84 23 00-0449	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.84	1.49
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0450	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.62	1.79
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0451	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 124" Of Cover, Backfilled And Compacted	9.44	2.26
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0452	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.47	2.84
		For >1,000, Deduct	*-0.57*	
32 84 23 00-0453	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	13.93	3.32
		For >1,000, Deduct	*-0.70*	
32 84 23 00-0454	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	17.14	4.78
		For >1,000, Deduct	*-0.86*	
32 84 23 00-0455	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	22.30	5.97
		For >1,000, Deduct	*-1.12*	
32 84 23 00-0456	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	33.69	7.47
		For >1,000, Deduct	*-1.68*	

32 84 23 00-0457 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0402)*

32 84 23 00-0458	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.37	1.49
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0459	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.15	1.79
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0460	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.10	2.26
		For >1,000, Deduct	*-0.46*	
32 84 23 00-0461	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	11.13	2.84
		For >1,000, Deduct	*-0.56*	
32 84 23 00-0462	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	13.71	3.32
		For >1,000, Deduct	*-0.69*	
32 84 23 00-0463	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.72	4.78
		For >1,000, Deduct	*-0.84*	
32 84 23 00-0464	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.09	5.97
		For >1,000, Deduct	*-1.05*	
32 84 23 00-0465	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	29.31	7.47
		For >1,000, Deduct	*-1.47*	

32 84 23 00-0466 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0402)*

32 84 23 00-0467	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.65	1.49
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0468	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.42	1.79
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0469	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.37	2.26
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0470	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.39	2.84
		For >1,000, Deduct	*-0.57*	
32 84 23 00-0471	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.98	3.32
		For >1,000, Deduct	*-0.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0472	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.99	4.78
		For >1,000, Deduct	*-0.85*	
32 84 23 00-0473	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	21.37	5.97
		For >1,000, Deduct	*-1.07*	
32 84 23 00-0474	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	29.58	7.47
		For >1,000, Deduct	*-1.48*	
32 84 23 00-0475		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted** *(32 84 23 00-0402)*		
32 84 23 00-0476	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.91	1.49
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0477	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.69	1.79
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0478	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.64	2.26
		For >1,000, Deduct	*-0.48*	
32 84 23 00-0479	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.66	2.84
		For >1,000, Deduct	*-0.58*	
32 84 23 00-0480	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	14.25	3.32
		For >1,000, Deduct	*-0.71*	
32 84 23 00-0481	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	17.26	4.78
		For >1,000, Deduct	*-0.86*	
32 84 23 00-0482	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	21.63	5.97
		For >1,000, Deduct	*-1.08*	
32 84 23 00-0483	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	29.84	7.47
		For >1,000, Deduct	*-1.49*	
32 84 23 00-0484		**Irrigation Riser Piping With Fittings** *(32 84 23 00-0372)*		
32 84 23 00-0485	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	20.72	3.58
32 84 23 00-0486	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.24	4.48
32 84 23 00-0487	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.12	4.18
32 84 23 00-0488	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	24.01	5.22
32 84 23 00-0489	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	44.07	6.27
32 84 23 00-0490	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	46.74	7.84
32 84 23 00-0491	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	51.74	8.06
32 84 23 00-0492	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	55.17	10.08
32 84 23 00-0493	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	59.42	9.85
32 84 23 00-0494	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	63.61	12.32
32 84 23 00-0495		**Irrigation Crossover Piping With Fittings** *(32 84 23 00-0372)* Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0095 for #5 concrete pull box, 32 84 23 00-0539 for irrigation wiring.		
32 84 23 00-0496		**Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench** *(32 84 23 00-0495)*		
32 84 23 00-0497	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	37.48	
		For >1,000, Deduct	*-1.87*	
32 84 23 00-0498	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	51.93	
		For >1,000, Deduct	*-2.60*	
32 84 23 00-0499	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	70.43	
		For >1,000, Deduct	*-3.52*	
32 84 23 00-0500	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	92.13	
		For >1,000, Deduct	*-4.61*	
32 84 23 00-0501		**Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench** *(32 84 23 00-0495)*		
32 84 23 00-0502	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	38.29	
		For >1,000, Deduct	*-1.91*	
32 84 23 00-0503	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	52.82	
		For >1,000, Deduct	*-2.64*	
32 84 23 00-0504	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	71.41	
		For >1,000, Deduct	*-3.57*	
32 84 23 00-0505	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	93.21	
		For >1,000, Deduct	*-4.66*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0506		Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench *(32 84 23 00-0495)*		
32 84 23 00-0507	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation	39.09	
		For >1,000, Deduct	*-1.95*	
32 84 23 00-0508	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	53.72	
		For >1,000, Deduct	*-2.69*	
32 84 23 00-0509	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	72.40	
		For >1,000, Deduct	*-3.62*	
32 84 23 00-0510	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	94.29	
		For >1,000, Deduct	*-4.71*	
32 84 23 00-0511		Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore *(32 84 23 00-0495)*		
32 84 23 00-0512	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	97.91	
		For >1,000, Deduct	*-4.90*	
32 84 23 00-0513	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	124.58	
		For >1,000, Deduct	*-6.23*	
32 84 23 00-0514	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	149.11	
		For >1,000, Deduct	*-7.46*	
32 84 23 00-0515	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	176.84	
		For >1,000, Deduct	*-8.84*	
32 84 23 00-0516		Below Ground Cam Adapter Assembly *(32 84 23 00-0372)* Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0517	EA	Below Ground Cam Adapter Assembly Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	790.01	
32 84 23 00-0518		Above Ground Cam Adapter Assembly *(32 84 23 00-0372)* Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0519	EA	Above Ground Cam Adapter Assembly Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	489.77	
32 84 23 00-0520		Thrust Block *(32 84 23 00-0372)*		
32 84 23 00-0521	EA	Thrust Block For 1-1/2" Pipe Size And Smaller	41.05	
32 84 23 00-0522	EA	Thrust Block For 2" Pipe	70.48	
32 84 23 00-0523	EA	Thrust Block For 3" And 4" Pipe	99.92	
32 84 23 00-0524	EA	Thrust Block For 6" Pipe	159.59	
32 84 23 00-0525	EA	Thrust Block For 8" Pipe	227.06	
32 84 23 00-0526		Irrigation Swing Joints *(32 84 23)*		
32 84 23 00-0527	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	70.88	23.77
32 84 23 00-0528	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	80.67	26.54
32 84 23 00-0529	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	108.86	26.54
32 84 23 00-0530	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	50.00	30.98
32 84 23 00-0531	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	66.82	41.33
32 84 23 00-0532	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	84.12	50.68
32 84 23 00-0533	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	71.08	31.47
32 84 23 00-0534	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	94.00	41.74
32 84 23 00-0535	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	115.66	51.19
32 84 23 00-0536	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	40.27	19.27
32 84 23 00-0537	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	53.83	25.69
32 84 23 00-0538	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	64.02	31.86
32 84 23 00-0539		Irrigation Control Wire *(32 84 23)* Note: Excludes excavation and backfill.		
32 84 23 00-0540		18 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0539)*		
32 84 23 00-0541	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	56.96	17.92
32 84 23 00-0542	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	74.66	20.91
32 84 23 00-0543	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	85.91	23.89
32 84 23 00-0544	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	98.35	26.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0545	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	111.93	29.87
32 84 23 00-0546	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	133.76	32.84
32 84 23 00-0547	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	154.69	35.83
32 84 23 00-0548	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	168.08	38.81
32 84 23 00-0549	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	184.54	41.80
32 84 23 00-0550	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	203.46	44.79
32 84 23 00-0551	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	210.57	47.77
32 84 23 00-0552	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	218.88	50.76
32 84 23 00-0553	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	230.93	53.75
32 84 23 00-0554		16 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0539)*		
32 84 23 00-0555	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	60.08	17.92
32 84 23 00-0556		14 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0539)*		
32 84 23 00-0557	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	60.09	17.92
32 84 23 00-0558		12 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0539)*		
32 84 23 00-0559	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	80.72	17.92
32 84 23 00-0560		10 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0539)*		
32 84 23 00-0561	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	106.87	17.92
32 84 23 00-0562		Root Watering Systems *(32 84 23)*		
		Note: Includes swing assembly.		
32 84 23 00-0563	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	115.00	23.89
		For Root Watering Sand Sock, Add	*1.51*	
32 84 23 00-0564	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	124.33	23.89
		For Root Watering Sand Sock, Add	*1.51*	
32 84 23 00-0565	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	115.00	23.89
		For Root Watering Sand Sock, Add	*1.51*	
32 84 23 00-0566	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	124.33	23.89
		For Root Watering Sand Sock, Add	*1.51*	
32 84 23 00-0567	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	124.33	23.89
		For Root Watering Sand Sock, Add	*1.51*	
32 84 23 00-0568	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	99.78	20.91
		For Root Watering Sand Sock, Add	*1.51*	
32 84 23 00-0569	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	108.73	20.91
		For Root Watering Sand Sock, Add	*1.51*	
32 84 23 00-0570	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	99.78	20.91
		For Root Watering Sand Sock, Add	*1.51*	
32 84 23 00-0571	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	108.73	20.91
		For Root Watering Sand Sock, Add	*1.51*	
32 84 23 00-0572	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	66.68	17.92
		For Root Watering Sand Sock, Add	*1.51*	
32 84 23 00-0573	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	75.20	17.92
		For Root Watering Sand Sock, Add	*1.51*	

32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varities. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001		Mulch *(32 91 13 16)*		
		Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 91 13 16-0002	CY	Pea Gravel Mulch	129.88	
		For >5 To 20, Deduct	*-10.27*	
		For >20 To 50, Deduct	*-15.40*	
		For >50, Deduct	*-21.90*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	312.37	
		For >5 To 20, Deduct	*-19.39*	
		For >20 To 50, Deduct	*-29.09*	
		For >50, Deduct	*-44.71*	
		For Work On Slopes >2.5:1, Add	*15.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	132.10	
		For >5 To 20, Deduct	*-10.38*	
		For >20 To 50, Deduct	*-15.57*	
		For >50, Deduct	*-22.18*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0005	CY	Pine Bark Nugget Mulch	126.17	
		For >5 To 20, Deduct	*-10.08*	
		For >20 To 50, Deduct	*-15.13*	
		For >50, Deduct	*-21.43*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch	124.15	
		For >5 To 20, Deduct	*-9.98*	
		For >20 To 50, Deduct	*-14.97*	
		For >50, Deduct	*-21.18*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0007	CY	Pine Wood Chip Mulch	120.09	
		For >5 To 20, Deduct	*-9.78*	
		For >20 To 50, Deduct	*-14.67*	
		For >50, Deduct	*-20.67*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0008	CY	Hardwood Chip Mulch	128.20	
		For >5 To 20, Deduct	*-10.19*	
		For >20 To 50, Deduct	*-15.28*	
		For >50, Deduct	*-21.69*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0009	CY	Shredded Hardwood Mulch	128.20	
		For >5 To 20, Deduct	*-10.19*	
		For >20 To 50, Deduct	*-15.28*	
		For >50, Deduct	*-21.69*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0010	CY	Shredded Pine Mulch	109.96	
		For >5 To 20, Deduct	*-9.27*	
		For >20 To 50, Deduct	*-13.91*	
		For >50, Deduct	*-19.41*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0011	CY	Shredded Cedar Mulch	149.48	
		For >5 To 20, Deduct	*-11.25*	
		For >20 To 50, Deduct	*-16.87*	
		For >50, Deduct	*-24.35*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0012	CY	Shredded Cypress Mulch	146.44	
		For >5 To 20, Deduct	*-11.10*	
		For >20 To 50, Deduct	*-16.65*	
		For >50, Deduct	*-23.97*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0013	CY	Shredded Redwood Mulch	154.55	
		For >5 To 20, Deduct	*-11.50*	
		For >20 To 50, Deduct	*-17.25*	
		For >50, Deduct	*-24.98*	
		For Work On Slopes >2.5:1, Add	*15.10*	
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	238.19	
		For >5 To 20, Deduct	*-16.73*	
		For >20 To 50, Deduct	*-25.09*	
		For >50, Deduct	*-37.00*	
		For Work On Slopes >2.5:1, Add	*19.26*	
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch	378.05	
		For >5 To 20, Deduct	*-23.72*	
		For >20 To 50, Deduct	*-35.58*	
		For >50, Deduct	*-54.48*	
		For Work On Slopes >2.5:1, Add	*19.26*	
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch	380.08	
		For >5 To 20, Deduct	*-23.82*	
		For >20 To 50, Deduct	*-35.73*	
		For >50, Deduct	*-54.73*	
		For Work On Slopes >2.5:1, Add	*19.26*	
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch	659.79	
		For >5 To 20, Deduct	*-37.81*	
		For >20 To 50, Deduct	*-56.71*	
		For >50, Deduct	*-89.70*	
		For Work On Slopes >2.5:1, Add	*19.26*	
32 91 13 16-0018	EA	Pine Straw Mulch Bale Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	11.21	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.33*	
		For Work On Slopes >2.5:1, Add	*0.83*	
32 91 13 16-0019	EA	Wheat Straw Mulch Bale Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	11.44	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.30*	
		For Work On Slopes >2.5:1, Add	*0.62*	

32 91 13 16-0020 Compost Soil Amendment (AgriService) *(32 91 13 16)*
Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0021	CY	Humic Compost (OIM) Note: (Agri Service or Equal)	96.54	
		For Work On Slopes >2.5:1, Add	*15.10*	
		For >100 To 1,000, Deduct	*-16.15*	
		For >1,000, Deduct	*-24.75*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Up To 8" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.20	
		For Work On Slopes >2.5:1, Add	*0.24*	
32 91 13 26-0003	SF	>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.38	
		For Work On Slopes >2.5:1, Add	*0.28*	
32 91 13 26-0004	SF	>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.63	
		For Work On Slopes >2.5:1, Add	*0.33*	
32 91 13 26-0005	SF	Up To 8" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.34	
		For Work On Slopes >2.5:1, Add	*1.07*	
32 91 13 26-0006	SF	>8" To 13" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	6.14	
		For Work On Slopes >2.5:1, Add	*1.23*	
32 91 13 26-0007	SF	>13" To 18" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	7.21	
		For Work On Slopes >2.5:1, Add	*1.44*	

32 91 13 26-0008 Planting Pit Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0009	CY	Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits.	92.38	
		For Work On Slopes >2.5:1, Add	*18.48*	
32 91 13 26-0010	CY	Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits.	184.77	
		For Work On Slopes >2.5:1, Add	*36.95*	
32 91 13 26-0011	CY	Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits.	15.22	
		For Work On Slopes >2.5:1, Add	*3.04*	
32 91 13 26-0012	CY	Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	19.80	
		For Work On Slopes >2.5:1, Add	*3.96*	
32 91 13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	82.10	
		For Work On Slopes >2.5:1, Add	*16.42*	
32 91 13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	134.80	
		For Work On Slopes >2.5:1, Add	*14.95*	
32 91 13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	8.15	
		For Work On Slopes >2.5:1, Add	*1.63*	
32 91 13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	79.95	
		For Work On Slopes >2.5:1, Add	*3.98*	

32 91 13 26-0017 Weed Barrier *(32 91 13 26)*

32 91 13 26-0018	SY	Up To 3 Oz/SY Non-Woven, Polypropylene Weed Barrier	2.46	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 26-0019	SY	4 Oz/SY Woven, Polypropylene Weed Barrier	3.34	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 26-0020	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	3.73	
		For Work On Slopes >2.5:1, Add	*0.15*	

32 91 13 33 Soil Conditioners *(32 91 13)*

32 91 13 33-0001 Spread Soil Conditioners *(32 91 13 33)*

32 91 13 33-0002	SY	Aluminum Sulfate 1 Lb./SY, Push Spreader	0.48	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 Lb./MSF Tractor Spreader	46.42	
32 91 13 33-0004	MSF	Fertilizer, 20 Lb./MSF, Push Spreader	7.79	
32 91 13 33-0005	MSF	Fertilizer, 20 Lb./MSF, Tractor Spread	3.39	
32 91 13 33-0006	MSF	Fertilizer, 20 Lb./MSF, Truck Spread	5.83	
32 91 13 33-0007	SY	Pelletized Lime, 1 Lb./SY, Push Spreader	0.11	
32 91 13 33-0008	MSF	Pelitized Lime, 110 Lb./MSF, Tractor Spreader	8.75	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	4.22	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	439.42	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	3.92	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	429.24	
32 91 13 33-0013	SY	Humate Granular Soil Conditioner, 0.10 Lb./SY, Push Spreader	0.23	
32 91 13 33-0014	MSF	Humate Granular Soil Conditioner, 10 Lb./MSF, Tractor Spreader	21.08	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 91 13 36 Lawn Bed Preparation *(32 91 13)*

32 91 13 36-0001 Lawn Bed Preparation *(32 91 13 36)*

32 91 13 36-0002	MSF	Rake Topsoil With Machine	94.36	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	73.90	
32 91 13 36-0004	MSF	Screen Loam By Hand	49.27	
32 91 13 36-0005	SY	Roll Topsoil With Machine	1.22	
32 91 13 36-0006	SY	Roll Topsoil By Hand	3.30	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	11.16	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	34.34	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	58.39	
		For >45 to 225, Deduct	*-40.87*	
		For >225, Deduct	*-52.55*	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	97.32	
		For >45 to 225, Deduct	*-68.12*	
		For >225, Deduct	*-87.59*	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	5.27	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	10.68	
		For Work On Slopes >2.5:1, Add	*2.14*	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.79	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.94	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.18	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	1.31	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Removal Of Sod By Hand	6.23	
		For Work On Slopes >2.5:1, Add	*1.25*	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.71	
		For Work On Slopes >2.5:1, Add	*0.14*	
32 91 13 36-0020	SY	Pile Sod By Hand	3.69	
		For Work On Slopes >2.5:1, Add	*0.74*	
32 91 13 36-0021	SY	Pile Sod With Machine	1.33	
		For Work On Slopes >2.5:1, Add	*0.27*	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement and Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	5.49
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	5.43

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	11.84
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	7.89

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	9.03
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	70.51

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	4.54	
		For Unscreened, Deduct	*-0.63*	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	8.73	
		For Unscreened, Deduct	*-1.26*	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	12.65	
		For Unscreened, Deduct	*-1.89*	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	18.32	
		For Unscreened, Deduct	*-2.83*	
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	24.00	
		For Unscreened, Deduct	*-3.78*	
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	66.60	
		For Unscreened, Deduct	*-11.33*	

32 91 19 13-0017 Scarify Soil For Planting Preparation *(32 91 19 13)*

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	71.21
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	49.83
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	29.21

32 92 Turf and Grasses *(32 90)*

32 92 16 Plugging *(32 92)*

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep *(32 92 16)*

Note: Includes fine grade and soil preparation.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 92 16 00-0002 6" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center	236.80
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	31.06
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	22.69

32 92 16 00-0006 9" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center	181.70
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	24.40
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	17.02

32 92 16 00-0010 12" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center	153.25
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	16.58
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	10.91

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*

Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader Note: 4 LB/MSF spread rate.	47.25
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader Note: 5.5 LB/MSF spread rate.	39.48
32 92 19 13-0004	MSF	Rye, Tractor Spreader Note: 10 LB/MSF spread rate.	40.22
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	44.00
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	46.70
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	43.09
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	38.59
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	30.10
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 LB/MSF spread rate.	97.26
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	57.54
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	30.00
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	33.62

32 92 19 13-0014 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	96.14
		For Spot Areas Up To 1, Add	*103.49*
		For >1 To 4, Add	*66.52*
		For >4 To 7.5, Add	*45.09*
		For >7.5 To 10, Add	*22.54*
		For >45, Deduct	*-7.76*
		For Tackifier, Add	*4.46*
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	101.78
		For Spot Areas Up To 1, Add	*105.74*
		For >1 To 4, Add	*67.65*
		For >4 To 7.5, Add	*45.65*
		For >7.5 To 10, Add	*22.83*
		For >45, Deduct	*-8.05*
		For Tackifier, Add	*4.46*
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	96.38
		For Spot Areas Up To 1, Add	*103.58*
		For >1 To 4, Add	*66.57*
		For >4 To 7.5, Add	*45.11*
		For >7.5 To 10, Add	*22.56*
		For >45, Deduct	*-7.78*
		For Tackifier, Add	*4.46*
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	96.14
		For Spot Areas Up To 1, Add	*103.49*
		For >1 To 4, Add	*66.52*
		For >4 To 7.5, Add	*45.09*
		For >7.5 To 10, Add	*22.54*
		For >45, Deduct	*-7.76*
		For Tackifier, Add	*4.46*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding	101.78	
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For Spot Areas Up To 1, Add	*105.74*	
		For >1 To 4, Add	*67.65*	
		For >4 To 7.5, Add	*45.65*	
		For >7.5 To 10, Add	*22.83*	
		For >45, Deduct	*-8.05*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding	99.36	
		Note: 6 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*104.78*	
		For >1 To 4, Add	*67.17*	
		For >4 To 7.5, Add	*45.41*	
		For >7.5 To 10, Add	*22.70*	
		For >45, Deduct	*-7.92*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0021	MSF	Utility Mix, Hydro Or Air Seeding	97.41	
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For Spot Areas Up To 1, Add	*104.00*	
		For >1 To 4, Add	*66.78*	
		For >4 To 7.5, Add	*45.21*	
		For >7.5 To 10, Add	*22.61*	
		For >45, Deduct	*-7.83*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0022	MSF	Wild Flower Mix, Hydro Or Air Seeding	91.14	
		Note: 0.10 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*101.49*	
		For >1 To 4, Add	*65.52*	
		For >4 To 7.5, Add	*44.59*	
		For >7.5 To 10, Add	*22.29*	
		For >45, Deduct	*-7.51*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0023	MSF	Crown Vetch Mix, Hydro Or Air Seeding	147.65	
		Note: 4 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*124.09*	
		For >1 To 4, Add	*76.83*	
		For >4 To 7.5, Add	*50.24*	
		For >7.5 To 10, Add	*25.12*	
		For >45, Deduct	*-10.34*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0024	MSF	Athletic Mix, Hydro Or Air Seeding	129.96	
		Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For Spot Areas Up To 1, Add	*117.02*	
		For >1 To 4, Add	*73.29*	
		For >4 To 7.5, Add	*48.47*	
		For >7.5 To 10, Add	*24.23*	
		For >45, Deduct	*-9.45*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0025	MSF	White Clover Mix, Hydro Or Air Seeding	83.51	
		Note: 7 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*98.44*	
		For >1 To 4, Add	*64.00*	
		For >4 To 7.5, Add	*43.82*	
		For >7.5 To 10, Add	*21.91*	
		For >45, Deduct	*-7.13*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0026	MSF	Ladino Clover Mix, Hydro Or Air Seeding	92.92	
		Note: 7 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*102.20*	
		For >1 To 4, Add	*65.88*	
		For >4 To 7.5, Add	*44.76*	
		For >7.5 To 10, Add	*22.38*	
		For >45, Deduct	*-7.60*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0027	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread	97.75	
		Note: 4 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*104.13*	
		For >1 To 4, Add	*66.85*	
		For >4 To 7.5, Add	*45.25*	
		For >7.5 To 10, Add	*22.62*	
		For >45, Deduct	*-7.84*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0028	MSF	2,500 Lb./Acre, High Performance - Flexible Growth Medium	119.42	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-7.45*	
32 92 19 13-0029	MSF	3,000 Lb./Acre, High Performance - Flexible Growth Medium	138.88	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-8.50*	
32 92 19 13-0030	MSF	3,500 Lb./Acre, High Performance - Flexible Growth Medium	158.41	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-9.55*	
32 92 19 13-0031	MSF	4,000 Lb./Acre, High Performance - Flexible Growth Medium	178.00	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-10.61*	
32 92 19 13-0032	MSF	4,500 Lb./Acre, High Performance - Flexible Growth Medium	197.69	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-11.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19		**Seeding by Hand** *(32 92 19)* Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 19-0001		Push Spreader Or Hand Seeding *(32 92 19 19)* Note: Excludes straw.		
32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	114.58	
		For >5 To 20, Deduct	*-8.04*	
		For >20 To 45, Deduct	*-15.52*	
		For >45, Deduct	*-25.31*	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand Note: 5.5 LB/MSF spread rate.	106.81	
		For >5 To 20, Deduct	*-7.65*	
		For >20 To 45, Deduct	*-14.94*	
		For >45, Deduct	*-24.54*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand Note: 10 LB/MSF spread rate.	107.55	
		For >5 To 20, Deduct	*-7.69*	
		For >20 To 45, Deduct	*-14.99*	
		For >45, Deduct	*-24.61*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	111.33	
		For >5 To 20, Deduct	*-7.88*	
		For >20 To 45, Deduct	*-15.28*	
		For >45, Deduct	*-24.99*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	114.03	
		For >5 To 20, Deduct	*-8.01*	
		For >20 To 45, Deduct	*-15.48*	
		For >45, Deduct	*-25.26*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate.	110.42	
		For >5 To 20, Deduct	*-7.83*	
		For >20 To 45, Deduct	*-15.21*	
		For >45, Deduct	*-24.90*	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	105.92	
		For >5 To 20, Deduct	*-7.61*	
		For >20 To 45, Deduct	*-14.87*	
		For >45, Deduct	*-24.45*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand Note: 0.10 LB/MSF spread rate.	97.43	
		For >5 To 20, Deduct	*-7.18*	
		For >20 To 45, Deduct	*-14.24*	
		For >45, Deduct	*-23.60*	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	164.59	
		For >5 To 20, Deduct	*-10.54*	
		For >20 To 45, Deduct	*-19.27*	
		For >45, Deduct	*-30.31*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	124.87	
		For >5 To 20, Deduct	*-8.55*	
		For >20 To 45, Deduct	*-16.29*	
		For >45, Deduct	*-26.34*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	97.33	
		For >5 To 20, Deduct	*-7.18*	
		For >20 To 45, Deduct	*-14.23*	
		For >45, Deduct	*-23.59*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	100.95	
		For >5 To 20, Deduct	*-7.36*	
		For >20 To 45, Deduct	*-14.50*	
		For >45, Deduct	*-23.95*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	116.11	
		For >5 To 20, Deduct	*-8.11*	
		For >20 To 45, Deduct	*-15.64*	
		For >45, Deduct	*-25.47*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	111.69	
		For >5 To 20, Deduct	*-7.89*	
		For >20 To 45, Deduct	*-15.30*	
		For >45, Deduct	*-25.02*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	108.47	
		For >5 To 20, Deduct	*-7.73*	
		For >20 To 45, Deduct	*-15.06*	
		For >45, Deduct	*-24.70*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand Note: 4.4 LB/MSF spread rate.	114.91	
		For >5 To 20, Deduct	*-8.05*	
		For >20 To 45, Deduct	*-15.55*	
		For >45, Deduct	*-25.35*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	110.08	
		For >5 To 20, Deduct	*-7.81*	
		For >20 To 45, Deduct	*-15.18*	
		For >45, Deduct	*-24.86*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	114.03	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.01*	
		For >20 To 45, Deduct	*-15.48*	
		For >45, Deduct	*-25.26*	

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Tall Fescue Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,380.30	
		For Hybrid Fescue "Marathon", Add	*161.80*	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,933.78	
		For Hybrid Fescue "Marathon", Add	*121.90*	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,635.98	
		For Hybrid Fescue "Marathon", Add	*101.95*	
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,396.20	
		For Hybrid Fescue "Marathon", Add	*82.01*	
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,741.26	
		For Hybrid Fescue "Marathon", Add	*161.80*	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,241.42	
		For Hybrid Fescue "Marathon", Add	*121.90*	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,848.21	
		For Hybrid Fescue "Marathon", Add	*101.95*	
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,576.68	
		For Hybrid Fescue "Marathon", Add	*82.01*	

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0078 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses *(32 93 13)*

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	36.60
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	67.65
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	122.95
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	223.77
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	28.01
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	37.25
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	39.87
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass	27.94
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	37.25
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	90.12
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	35.36
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	45.83
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	87.62
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	32.82
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	51.60
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	88.31
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass	30.55
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	31.59
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	69.69
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	96.74
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	108.67
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	179.28
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	52.53
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	78.62
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass	40.10
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	55.87

32 93 13 00-0028 Ground Covers *(32 93 13)*

32 93 13 00-0029	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	33.25
32 93 13 00-0030	EA	3" Pot Ajuga reptans - Carpet Bugle	7.98
32 93 13 00-0031	EA	1 Quart Ajuga reptans - Carpet Bugle	13.30
32 93 13 00-0032	EA	1 Gallon Ajuga reptans - Carpet Bugle	31.92
32 93 13 00-0033	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	137.42
32 93 13 00-0034	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	110.83
32 93 13 00-0035	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	203.03
32 93 13 00-0036	EA	1 Quart Arundo donax - Giant Reed	42.56
32 93 13 00-0037	EA	1 Gallon Arundo donax - Giant Reed	61.18
32 93 13 00-0038	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush	13.30
32 93 13 00-0039	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	23.05
32 93 13 00-0040	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	46.50
32 93 13 00-0041	EA	1 Gallon Campsis radicans - Trumpet Creeper	48.76
32 93 13 00-0042	EA	2 Gallon Campsis radicans - Trumpet Creeper	73.59
32 93 13 00-0043	EA	5 Gallon Campsis radicans - Trumpet Creeper	177.32
32 93 13 00-0044	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	46.99
32 93 13 00-0045	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	61.18
32 93 13 00-0046	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	23.94
32 93 13 00-0047	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	33.25
32 93 13 00-0048	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	51.87
32 93 13 00-0049	EA	1 Gallon Cissus antarctica - Kangaroo Vine	25.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0050	EA	5 Gallon Cissus antarctica - Kangaroo Vine	80.68	
32 93 13 00-0051	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	25.71	
32 93 13 00-0052	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	87.78	
32 93 13 00-0053	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	25.71	
32 93 13 00-0054	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	92.21	
32 93 13 00-0055	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	22.17	
32 93 13 00-0056	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	80.68	
32 93 13 00-0057	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	43.44	
32 93 13 00-0058	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	82.45	
32 93 13 00-0059	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	145.41	
32 93 13 00-0060	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	27.49	
32 93 13 00-0061	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	96.64	
32 93 13 00-0062	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	31.66	
32 93 13 00-0063	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	82.03	
32 93 13 00-0064	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	137.43	
32 93 13 00-0065	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	34.58	
32 93 13 00-0066	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	69.16	
32 93 13 00-0067	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	18.62	
32 93 13 00-0068	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	33.25	
32 93 13 00-0069	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	51.87	
32 93 13 00-0070	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	27.49	
32 93 13 00-0071	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	90.43	
32 93 13 00-0072	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	38.30	
32 93 13 00-0073	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	138.31	
32 93 13 00-0074	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	46.99	
32 93 13 00-0075	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	70.93	
32 93 13 00-0076	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	31.92	
32 93 13 00-0077	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	106.39	
32 93 13 00-0078	EA	2" To 3" Pot Hedera helix - English Ivy	7.98	
32 93 13 00-0079	EA	12" To 15" Runners Hedera helix - English Ivy	13.30	
32 93 13 00-0080	EA	1 Gallon Hedera helix - English Ivy	31.92	
32 93 13 00-0081	EA	50 Plant Flat Hedera helix - English Ivy	184.42	
32 93 13 00-0082	EA	3 Gallon Hibiscus, Assorted Colors	41.57	
32 93 13 00-0083	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	57.63	
32 93 13 00-0084	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	108.17	
32 93 13 00-0085	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	177.32	
32 93 13 00-0086	EA	1 Gallon Hymenocallis latifolia - Spider Lily	20.64	
32 93 13 00-0087	EA	3 Gallon Hymenocallis latifolia - Spider Lily	55.04	
32 93 13 00-0088	EA	1 Quart Hypericum perforatum - St. John's Wort	13.30	
32 93 13 00-0089	EA	1 Gallon Hypericum perforatum - St. John's Wort	31.92	
32 93 13 00-0090	EA	5 Gallon Hypericum perforatum - St. John's Wort	82.45	
32 93 13 00-0091	EA	1 Quart Iberis sempervirens - Candytuft	13.30	
32 93 13 00-0092	EA	1 Gallon Iberis sempervirens - Candytuft	31.92	
32 93 13 00-0093	EA	1 Gallon Ilex cornuta - Dwarf Holly	24.08	
32 93 13 00-0094	EA	3 Gallon Ilex cornuta - Dwarf Holly	51.60	
32 93 13 00-0095	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	31.92	
32 93 13 00-0096	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	63.84	
32 93 13 00-0097	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	110.83	
32 93 13 00-0098	EA	1 Gallon Jasminum volubile - Wax Jasmine	16.75	
32 93 13 00-0099	EA	1 Gallon Jasminum volubile - Wax Jasmine	41.57	
32 93 13 00-0100	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	20.89	
32 93 13 00-0101	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	46.50	
32 93 13 00-0102	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	77.44	
32 93 13 00-0103	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	36.08	
32 93 13 00-0104	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	36.35	
32 93 13 00-0105	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	78.02	
32 93 13 00-0106	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	115.26	
32 93 13 00-0107	EA	1 Gallon Lantana spp. Various Colors	18.82	
32 93 13 00-0108	EA	4" Pot Lantana camera - Common Lantana	7.98	
32 93 13 00-0109	EA	1 Gallon Lantana camera - Common Lantana	23.05	
32 93 13 00-0110	EA	1 Gallon Lantana sellowiana - Trailing Lantana	12.38	
32 93 13 00-0111	EA	4" Pot Lavandula angustifolia - English Lavender	11.53	
32 93 13 00-0112	EA	1 Quart Lavandula angustifolia - English Lavender	22.17	
32 93 13 00-0113	EA	1 Gallon Lavandula angustifolia - English Lavender	36.35	
32 93 13 00-0114	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	18.82	
32 93 13 00-0115	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	23.74	
32 93 13 00-0116	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	37.96	
32 93 13 00-0117	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	14.88	
32 93 13 00-0118	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	36.35	
32 93 13 00-0119	EA	2 Quart Liriope spicata - Creeping Lilytuft	23.05	
32 93 13 00-0120	EA	1 Gallon Liriope spicata - Creeping Lilytuft	41.67	
32 93 13 00-0121	EA	5 Gallon Liriope spicata - Creeping Lilytuft	87.78	
32 93 13 00-0122	EA	Bare Root Liriope spicata - Creeping Liriope	5.81	
32 93 13 00-0123	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	36.35	
32 93 13 00-0124	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	69.16	
32 93 13 00-0125	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	7.98	
32 93 13 00-0126	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	36.35	
32 93 13 00-0127	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	69.16	
32 93 13 00-0128	EA	2 Quart Lysimachia nummularia - Creeping Jenny	13.30	
32 93 13 00-0129	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	25.71	
32 93 13 00-0130	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	31.92	
32 93 13 00-0131	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	138.31	
32 93 13 00-0132	EA	1 Quart Moss Phlox, Creeping Phlox	13.30	
32 93 13 00-0133	EA	1 Gallon Moss Phlox, Creeping Phlox	31.92	
32 93 13 00-0134	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	16.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0135	EA	1 Quart Nepeta mussinii - Persian Catmint	13.30	
32 93 13 00-0136	EA	1 Gallon Nepeta mussinii - Persian Catmint	27.49	
32 93 13 00-0137	EA	4" Pot Ophiopogon Japonicus - Mondo grass	7.98	
32 93 13 00-0138	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	31.92	
32 93 13 00-0139	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	73.59	
32 93 13 00-0140	EA	2' To 3' High Oregon Holly-Grape	36.85	
32 93 13 00-0141	EA	1 Gallon Pachysandra terminalis - Pachysandra	48.00	
32 93 13 00-0142	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	17.73	
32 93 13 00-0143	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	40.43	
32 93 13 00-0144	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	110.65	
32 93 13 00-0145	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	7.98	
32 93 13 00-0146	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	41.67	
32 93 13 00-0147	EA	1 Gallon Ranunculaceae - Clematis Varieties	45.81	
32 93 13 00-0148	EA	2 Gallon Ranunculaceae - Clematis Varieties	84.73	
32 93 13 00-0149	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	51.60	
32 93 13 00-0150	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	7.98	
32 93 13 00-0151	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	31.92	
32 93 13 00-0152	EA	2-1/4" Pot Securigera varia - Crown Vetch	5.32	
32 93 13 00-0153	EA	50 Plant Flat Securigera varia - Crown Vetch	179.98	
32 93 13 00-0154	EA	1 Quart Senecio cineraria - Dusty Miller	13.30	
32 93 13 00-0155	EA	1 Gallon Senecio cineraria - Dusty Miller	31.92	
32 93 13 00-0156	EA	1 Quart Stachys byzantina - Lamb's Ear	13.30	
32 93 13 00-0157	EA	1 Quart Stachys byzantina - Lamb's Ear	31.92	
32 93 13 00-0158	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	17.20	
32 93 13 00-0159	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	16.75	
32 93 13 00-0160	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	112.21	
32 93 13 00-0161	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	16.85	
32 93 13 00-0162	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	25.71	
32 93 13 00-0163	EA	2-1/4" Pot Vinca minor - Periwinkle	4.43	
32 93 13 00-0164	EA	4" Pot Vinca minor - Periwinkle	13.30	
32 93 13 00-0165	EA	Bare Root Vinca minor - Periwinkle	4.43	
32 93 13 00-0166	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	158.03	
32 93 13 00-0167	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.43	
32 93 13 00-0168	EA	4" Pot Vinca major - Variegated Greater Periwinkle	13.30	
32 93 13 00-0169	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.43	
32 93 13 00-0170	EA	1 Quart Waldsteinia ternata - Barren Strawberry	13.30	
32 93 13 00-0171	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	31.92	
32 93 13 00-0172	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	41.67	
32 93 13 00-0173	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	92.21	
32 93 13 00-0174	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	138.31	
32 93 13 00-0175	EA	Flat Hedera canariensis - Algerian Ivy	25.84	
32 93 13 00-0176	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	6.82	
32 93 13 00-0177	EA	Flat Gazania 'Copper King'	21.19	
32 93 13 00-0178	EA	1 Gallon Gazania 'Copper King'	7.24	
32 93 13 00-0179	EA	Flat Myoporum parvifolium - Myoporum	25.84	
32 93 13 00-0180	EA	1 Gallon Myoporum parvifolium - Myoporum	7.24	
32 93 13 00-0181	EA	5 Gallon Myoporum parvifolium - Myoporum	20.68	
32 93 13 00-0182	EA	1 Gallon Lantana montevidensis - Purple Lantana	7.24	
32 93 13 00-0183	EA	5 Gallon Lantana montevidensis - Purple Lantana	20.68	
32 93 13 00-0184	EA	Flat Carpobrotus - Ice Plant	19.64	
32 93 13 00-0185	EA	1 Gallon Carpobrotus - Ice Plant	8.27	

32 93 23 Plants and Bulbs *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0078 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	25.71	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	36.35	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	60.29	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	13.30	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	33.25	
32 93 23 00-0007	EA	1 Quart Balloon Flower	13.30	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	33.25	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	13.30	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	33.25	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	43.00	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	13.30	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	33.25	
32 93 23 00-0014	EA	1 Quart Blank Flower	13.30	
32 93 23 00-0015	EA	1 Gallon Blank Flower	30.59	
32 93 23 00-0016	EA	2 Gallon Blank Flower	43.00	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	13.30	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	33.25	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	22.61	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	38.13	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	13.30	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	33.25	
32 93 23 00-0023	EA	1 Quart Blue Star	23.94	
32 93 23 00-0024	EA	1 Gallon Blue Star	38.13	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	13.30	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	33.25	
32 93 23 00-0027	EA	4" Pot Columbine	7.98	
32 93 23 00-0028	EA	1 Quart Columbine	13.30	
32 93 23 00-0029	EA	1 Gallon Columbine	33.25	
32 93 23 00-0030	EA	1 Quart Common Globeflower	13.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0031	EA	1 Gallon Common Globeflower	33.25	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	13.30	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	33.25	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	47.88	
32 93 23 00-0035	EA	1 Quart Diploid	16.85	
32 93 23 00-0036	EA	1 Gallon Diploid	38.13	
32 93 23 00-0037	EA	3 Gallon Diploid	65.61	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	18.98	
32 93 23 00-0039	EA	1 Quart Evans Begonia	23.94	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	43.00	
32 93 23 00-0041	EA	1 Quart False Dragonhead	13.30	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	33.25	
32 93 23 00-0043	EA	1 Quart False Spirea	13.30	
32 93 23 00-0044	EA	1 Gallon False Spirea	43.00	
32 93 23 00-0045	EA	3 Gallon False Spirea	59.40	
32 93 23 00-0046	EA	2 Quart False Sunflower	21.28	
32 93 23 00-0047	EA	1 Gallon False Sunflower	33.25	
32 93 23 00-0048	EA	2 Gallon False Sunflower	43.00	
32 93 23 00-0049	EA	1 Gallon Foxglove	30.59	
32 93 23 00-0050	EA	2 Gallon Foxglove	43.00	
32 93 23 00-0051	EA	3 Gallon Foxglove	62.06	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	53.84	
32 93 23 00-0053	EA	1 Quart Garden Phlox	13.30	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	33.25	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	28.37	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	57.19	
32 93 23 00-0057	EA	1 Quart Golden Star	13.30	
32 93 23 00-0058	EA	1 Gallon Golden Star	33.25	
32 93 23 00-0059	EA	1 Quart Goldenrod	13.30	
32 93 23 00-0060	EA	1 Gallon Goldenrod	33.25	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	61.92	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	7.98	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	13.30	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	33.25	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	11.53	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	19.07	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	30.59	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	47.44	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	75.81	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	99.75	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	7.98	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	23.94	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	43.00	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	4.73	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	7.09	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	30.54	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	19.07	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	38.13	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	158.03	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	26.16	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	49.66	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	50.34	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	7.98	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	13.30	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	33.25	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	13.30	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	33.25	
32 93 23 00-0088	EA	2 Quart Plantain Lily	25.71	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	36.35	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	60.29	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	113.94	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	23.94	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	33.25	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	43.00	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	13.30	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	33.25	
32 93 23 00-0097	EA	1 Quart Rose Mallow	26.16	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	47.44	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	81.13	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	50.69	
32 93 23 00-0101	EA	1 Quart Siberian Iris	22.61	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	43.00	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	59.40	
32 93 23 00-0104	EA	1 Quart Speedwell	13.30	
32 93 23 00-0105	EA	1 Gallon Speedwell	33.25	
32 93 23 00-0106	EA	1 Quart Tetraploid	33.25	
32 93 23 00-0107	EA	1 Gallon Tetraploid	62.06	
32 93 23 00-0108	EA	3 Gallon Tetraploid	84.68	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	13.30	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	33.25	
32 93 23 00-0111	EA	1 Quart Torch Lily	13.30	
32 93 23 00-0112	EA	1 Quart Bluebeard	23.94	
32 93 23 00-0113	EA	1 Gallon Bluebeard	35.47	
32 93 23 00-0114	EA	2 Gallon Bluebeard	51.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0115		**Annuals** *(32 93 23)*		
32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	6.17	
32 93 23 00-0117	EA	3" Pot Annual Flowers	8.35	
32 93 23 00-0118	EA	4" Pot Annual Flowers	17.84	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	23.73	
32 93 23 00-0120	EA	6" Pot Annual Flowers	46.98	
32 93 23 00-0121	EA	8" Pot Annual Flowers	78.30	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	102.50	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	116.27	
32 93 23 00-0124		**Bulbs** *(32 93 23)*		
32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	21.46	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.24	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	1.40	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	1.82	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	2.31	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.91	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	1.07	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	1.24	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	7.43	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.55	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.71	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.71	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	3.88	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	4.13	
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	3.88	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.63	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	3.88	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	3.88	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.16	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.30	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.48	
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.30	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	2.89	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	4.13	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	3.14	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.72	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	3.05	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	3.05	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	3.05	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.48	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.39	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.48	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	4.13	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.48	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.30	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.55	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.71	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	2.97	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	2.81	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	3.05	
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	3.05	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.39	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.65	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley - Shirley Tulip	2.48	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	3.22	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.48	

32 93 33 Shrubs *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0054 for installation and planting of shurbs.

32 93 33 00-0001		**Shrubs** *(32 93 33)*		
32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	22.62	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	46.07	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	88.43	
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	9.61	
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	23.78	
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	94.38	
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	105.93	
32 93 33 00-0009	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	154.82	
32 93 33 00-0010	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	172.74	
32 93 33 00-0011	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	218.37	
32 93 33 00-0012	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	242.82	
32 93 33 00-0013	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	48.89	
32 93 33 00-0014	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	65.19	
32 93 33 00-0015	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	81.48	
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	9.61	
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	23.78	
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	44.47	
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	52.31	
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	62.78	
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	73.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0022	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	88.93	
32 93 33 00-0023	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	43.16	
32 93 33 00-0024	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	45.77	
32 93 33 00-0025	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	48.39	
32 93 33 00-0026	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	54.93	
32 93 33 00-0027	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	43.81	
32 93 33 00-0028	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	46.43	
32 93 33 00-0029	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	49.04	
32 93 33 00-0030	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	51.66	
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	8.99	
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	20.79	
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	10.54	
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	23.18	
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	31.33	
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	9.61	
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	23.78	
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	9.61	
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	23.78	
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	11.24	
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	16.44	
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry	46.92	
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry	59.57	
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry	83.46	
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry	10.85	
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry	26.15	
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	50.16	
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	64.21	
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	82.05	
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	13.49	
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	26.55	
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	32.45	
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	12.79	
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	36.11	
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	50.16	
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	77.41	
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	14.61	
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	39.20	
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	41.73	
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	53.67	
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	71.51	
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	107.34	
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	149.07	
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood	41.73	
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood	53.67	
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood	71.51	
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood	107.34	
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	27.46	
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	45.77	
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	120.32	
32 93 33 00-0071	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	65.39	
32 93 33 00-0072	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	88.93	
32 93 33 00-0073	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	120.32	
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	8.36	
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	25.73	
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	83.62	
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	43.16	
32 93 33 00-0078	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	39.23	
32 93 33 00-0079	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	52.31	
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia	16.76	
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia	35.75	
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia	59.43	
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia	88.50	
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia	229.62	
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia	16.76	
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia	35.75	
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia	59.43	
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea	43.16	
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	10.85	
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	28.22	
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet	43.16	
32 93 33 00-0092	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	36.62	
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	43.16	
32 93 33 00-0094	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	32.70	
32 93 33 00-0095	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	36.62	
32 93 33 00-0096	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	39.23	
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	37.65	
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	50.16	
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	77.41	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	9.61	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	23.78	
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	41.85	
32 93 33 00-0103	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	45.12	
32 93 33 00-0104	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	50.35	
32 93 33 00-0105	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	52.97	
32 93 33 00-0106	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	62.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	9.61	
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	23.78	
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	111.33	
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	59.57	
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	74.46	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	95.40	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	131.08	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	39.23	
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	27.46	
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	31.39	
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	39.23	
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	47.08	
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	39.23	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	43.16	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	43.16	
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	39.23	
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	45.77	
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	49.70	
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	60.16	
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	42.50	
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	47.74	
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	54.27	
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	34.00	
32 93 33 00-0130	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	39.23	
32 93 33 00-0131	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	41.85	
32 93 33 00-0132	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	45.77	
32 93 33 00-0133	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	51.01	
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	40.54	
32 93 33 00-0135	EA	30" Balled and Burlapped, Corylus americana - American Filbert	45.77	
32 93 33 00-0136	EA	36" Balled and Burlapped, Corylus americana - American Filbert	49.04	
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus americana - American Filbert	52.97	
32 93 33 00-0138	EA	24" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	130.78	
32 93 33 00-0139	EA	30" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	170.02	
32 93 33 00-0140	EA	36" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	183.10	
32 93 33 00-0141	EA	42" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	235.41	
32 93 33 00-0142	EA	48" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	287.72	
32 93 33 00-0143	EA	60" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	326.96	
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	125.18	
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree	187.70	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree	283.10	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.70	
32 93 33 00-0148	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.70	
32 93 33 00-0149	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.00	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	31.33	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.00	
32 93 33 00-0152	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.70	
32 93 33 00-0153	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.00	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	13.49	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	41.73	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	56.34	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	95.40	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.61	
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	23.78	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	13.49	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	26.55	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.61	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	23.78	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	94.38	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	21.44	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	53.60	
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	33.35	
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	36.62	
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	47.08	
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	54.93	
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	62.78	
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	52.31	
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	62.78	
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	73.24	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	19.62	
32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	47.08	
32 93 33 00-0177	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	62.78	
32 93 33 00-0178	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	23.78	
32 93 33 00-0179	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	9.61	
32 93 33 00-0180	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	23.78	
32 93 33 00-0181	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	94.38	
32 93 33 00-0182	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	9.61	
32 93 33 00-0183	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	23.78	
32 93 33 00-0184	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	94.38	
32 93 33 00-0185	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	39.06	
32 93 33 00-0186	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	53.67	
32 93 33 00-0187	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	64.21	
32 93 33 00-0188	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	62.52	
32 93 33 00-0189	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	9.61	
32 93 33 00-0190	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	23.78	
32 93 33 00-0191	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	94.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0192	EA	1 Gallon Euonymus - Gold Spot	11.24	
32 93 33 00-0193	EA	2 Gallon Euonymus - Gold Spot	23.60	
32 93 33 00-0194	EA	5 Gallon Euonymus - Gold Spot	32.46	
32 93 33 00-0195	EA	1 Gallon Euonymus alatus - Winged Euonymus	9.60	
32 93 33 00-0196	EA	3 Gallon Euonymus alatus - Winged Euonymus	27.67	
32 93 33 00-0197	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	37.30	
32 93 33 00-0198	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	46.62	
32 93 33 00-0199	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	64.07	
32 93 33 00-0200	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	79.11	
32 93 33 00-0201	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	93.25	
32 93 33 00-0202	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	120.32	
32 93 33 00-0203	EA	5 Gallon Euonymus alatus - Winged Euonymus	34.59	
32 93 33 00-0204	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	150.40	
32 93 33 00-0205	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	58.85	
32 93 33 00-0206	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	69.97	
32 93 33 00-0207	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	91.55	
32 93 33 00-0208	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	109.86	
32 93 33 00-0209	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	136.01	
32 93 33 00-0210	EA	18" To 24" Euonymus alatus - Winged Burning Bush	41.73	
32 93 33 00-0211	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	49.17	
32 93 33 00-0212	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	67.16	
32 93 33 00-0213	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	80.50	
32 93 33 00-0214	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	101.30	
32 93 33 00-0215	EA	4' To 5' Euonymus alatus - Winged Burning Bush	143.03	
32 93 33 00-0216	EA	5' To 6' Euonymus alatus - Winged Burning Bush	178.85	
32 93 33 00-0217	EA	6' To 8' Euonymus alatus - Winged Burning Bush	208.64	
32 93 33 00-0218	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	41.73	
32 93 33 00-0219	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	47.63	
32 93 33 00-0220	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	58.17	
32 93 33 00-0221	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	82.05	
32 93 33 00-0222	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	96.94	
32 93 33 00-0223	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	116.19	
32 93 33 00-0224	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	163.96	
32 93 33 00-0225	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	193.74	
32 93 33 00-0226	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	35.31	
32 93 33 00-0227	EA	1 Gallon Euonymus fortunei - Wintercreeper	13.49	
32 93 33 00-0228	EA	2 Gallon Euonymus fortunei - Wintercreeper	26.55	
32 93 33 00-0229	EA	3 Gallon Euonymus fortunei - Wintercreeper	32.46	
32 93 33 00-0230	EA	5 Gallon Euonymus fortunei - Wintercreeper	38.50	
32 93 33 00-0231	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	9.61	
32 93 33 00-0232	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	23.78	
32 93 33 00-0233	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	94.38	
32 93 33 00-0234	EA	2' To 3' Forsythia - Korean Forsythia	29.79	
32 93 33 00-0235	EA	3' To 4' Forsythia - Korean Forsythia	37.65	
32 93 33 00-0236	EA	4' To 5' Forsythia - Korean Forsythia	46.92	
32 93 33 00-0237	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	30.08	
32 93 33 00-0238	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	33.35	
32 93 33 00-0239	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	35.97	
32 93 33 00-0240	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	31.39	
32 93 33 00-0241	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	41.85	
32 93 33 00-0242	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	31.39	
32 93 33 00-0243	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	36.62	
32 93 33 00-0244	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	43.16	
32 93 33 00-0245	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	49.70	
32 93 33 00-0246	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	57.54	
32 93 33 00-0247	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	44.47	
32 93 33 00-0248	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	62.12	
32 93 33 00-0249	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	65.39	
32 93 33 00-0250	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	68.01	
32 93 33 00-0251	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	73.24	
32 93 33 00-0252	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	88.93	
32 93 33 00-0253	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	115.09	
32 93 33 00-0254	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	130.78	
32 93 33 00-0255	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	9.69	
32 93 33 00-0256	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	25.43	
32 93 33 00-0257	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	32.46	
32 93 33 00-0258	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	9.61	
32 93 33 00-0259	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	23.78	
32 93 33 00-0260	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	94.38	
32 93 33 00-0261	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	91.55	
32 93 33 00-0262	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	149.09	
32 93 33 00-0263	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	188.33	
32 93 33 00-0264	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	287.72	
32 93 33 00-0265	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	326.96	
32 93 33 00-0266	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	5.56	
32 93 33 00-0267	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	19.55	
32 93 33 00-0268	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	37.60	
32 93 33 00-0269	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	14.26	
32 93 33 00-0270	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	24.06	
32 93 33 00-0271	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	36.40	
32 93 33 00-0272	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	37.65	
32 93 33 00-0273	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	32.03	
32 93 33 00-0274	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	43.27	
32 93 33 00-0275	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	62.52	
32 93 33 00-0276	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	86.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0277	EA	2 Gallon Hydrangea - Blue Hydrangea	26.55	
32 93 33 00-0278	EA	5 Gallon Hydrangea - Blue Hydrangea	37.37	
32 93 33 00-0279	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	41.73	
32 93 33 00-0280	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	47.63	
32 93 33 00-0281	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	26.55	
32 93 33 00-0282	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	45.77	
32 93 33 00-0283	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	49.70	
32 93 33 00-0284	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	57.54	
32 93 33 00-0285	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	60.16	
32 93 33 00-0286	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	47.08	
32 93 33 00-0287	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	62.78	
32 93 33 00-0288	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	27.46	
32 93 33 00-0289	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	32.70	
32 93 33 00-0290	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	28.12	
32 93 33 00-0291	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	30.08	
32 93 33 00-0292	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	34.00	
32 93 33 00-0293	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	39.23	
32 93 33 00-0294	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	52.31	
32 93 33 00-0295	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	37.93	
32 93 33 00-0296	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	43.16	
32 93 33 00-0297	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	51.01	
32 93 33 00-0298	EA	2 Gallon Hypericum kalmianum - St. John's Wort	26.55	
32 93 33 00-0299	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	31.39	
32 93 33 00-0300	EA	24" Balled and Burlapped, Hypericum kalmianun - Kalm St. John's Wort	34.00	
32 93 33 00-0301	EA	1 Gallon Ilex "Carissa" - Holly	13.49	
32 93 33 00-0302	EA	2 Gallon Ilex "Carissa" - Holly	26.55	
32 93 33 00-0303	EA	5 Gallon Ilex "Carissa" - Holly	37.37	
32 93 33 00-0304	EA	18" To 24" Ilex - Gulftide Sweet Holly	35.83	
32 93 33 00-0305	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	45.38	
32 93 33 00-0306	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	58.87	
32 93 33 00-0307	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	71.51	
32 93 33 00-0308	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	26.76	
32 93 33 00-0309	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	13.49	
32 93 33 00-0310	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	26.55	
32 93 33 00-0311	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	38.50	
32 93 33 00-0312	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	13.49	
32 93 33 00-0313	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	29.51	
32 93 33 00-0314	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	38.50	
32 93 33 00-0315	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	29.50	
32 93 33 00-0316	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	35.55	
32 93 33 00-0317	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	71.51	
32 93 33 00-0318	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	95.40	
32 93 33 00-0319	EA	2' To 3' Ilex opaca - American Holly	95.40	
32 93 33 00-0320	EA	3' To 4' Ilex opaca - American Holly	157.92	
32 93 33 00-0321	EA	4' To 5' Ilex opaca - American Holly	202.60	
32 93 33 00-0322	EA	5' To 6' Ilex opaca - American Holly	244.32	
32 93 33 00-0323	EA	6' To 7' Ilex opaca - American Holly	342.67	
32 93 33 00-0324	EA	7' To 8' Ilex opaca - American Holly	476.85	
32 93 33 00-0325	EA	8' To 10' Ilex opaca - American Holly	685.34	
32 93 33 00-0326	EA	10' To 12' Ilex opaca - American Holly	1,043.05	
32 93 33 00-0327	EA	12' To 14' Ilex opaca - American Holly	1,266.44	
32 93 33 00-0328	EA	14' To 16' Ilex opaca - American Holly	1,564.43	
32 93 33 00-0329	EA	2' To 3' Ilex verticillata - Winterberry (Female)	95.40	
32 93 33 00-0330	EA	3' To 4' Ilex verticillata - Winterberry (Female)	125.18	
32 93 33 00-0331	EA	2' To 3' Ilex verticillata - Winterberry (Male)	77.41	
32 93 33 00-0332	EA	3' To 4' Ilex verticillata - Winterberry (Male)	107.34	
32 93 33 00-0333	EA	4' To 5' Ilex verticillata - Winterberry (Male)	125.18	
32 93 33 00-0334	EA	1 Gallon Ilex vomitoria - Yaupon Holly	12.65	
32 93 33 00-0335	EA	3 Gallon Ilex vomitoria - Yaupon Holly	25.43	
32 93 33 00-0336	EA	10 Gallon Ilex vomitoria - Yaupon Holly	89.36	
32 93 33 00-0337	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	40.54	
32 93 33 00-0338	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	45.77	
32 93 33 00-0339	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	52.31	
32 93 33 00-0340	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	48.39	
32 93 33 00-0341	EA	24" Balled and Burlapped, Ilex meservae & cvs - Blue Holly	58.85	
32 93 33 00-0342	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	43.16	
32 93 33 00-0343	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	43.16	
32 93 33 00-0344	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	45.77	
32 93 33 00-0345	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	54.93	
32 93 33 00-0346	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	61.47	
32 93 33 00-0347	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	65.39	
32 93 33 00-0348	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	83.70	
32 93 33 00-0349	EA	4' To 5' Ilex x attenuata "Foster" - Holly	154.97	
32 93 33 00-0350	EA	5' To 6' Ilex x attenuata "Foster" - Holly	205.55	
32 93 33 00-0351	EA	6' To 7' Ilex x attenuata "Foster" - Holly	183.91	
32 93 33 00-0352	EA	7' To 8' Ilex x attenuata "Foster" - Holly	357.56	
32 93 33 00-0353	EA	1 Gallon Jasimnum - Jasmine	3.46	
32 93 33 00-0354	EA	3 Gallon Jasimnum - Jasmine	13.54	
32 93 33 00-0355	EA	3 Gallon Jasimnum - Orange Jasmine	10.53	
32 93 33 00-0356	EA	4' - 5' Jasimnum - Orange Jasmine	120.32	
32 93 33 00-0357	EA	6' - 7' Jasimnum - Orange Jasmine	240.64	
32 93 33 00-0358	EA	8' - 10' Jasimnum - Orange Jasmine	324.86	
32 93 33 00-0359	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	45.77	
32 93 33 00-0360	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	51.01	
32 93 33 00-0361	EA	18" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	68.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0362	EA	24" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	88.93	
32 93 33 00-0363	EA	30" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	104.63	
32 93 33 00-0364	EA	36" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	141.25	
32 93 33 00-0365	EA	48" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	193.56	
32 93 33 00-0366	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	21.81	
32 93 33 00-0367	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	45.77	
32 93 33 00-0368	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	51.01	
32 93 33 00-0369	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	54.93	
32 93 33 00-0370	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	60.16	
32 93 33 00-0371	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	73.24	
32 93 33 00-0372	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	88.93	
32 93 33 00-0373	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	35.31	
32 93 33 00-0374	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	41.85	
32 93 33 00-0375	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	57.54	
32 93 33 00-0376	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	73.24	
32 93 33 00-0377	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	88.93	
32 93 33 00-0378	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	32.70	
32 93 33 00-0379	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	39.23	
32 93 33 00-0380	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	34.00	
32 93 33 00-0381	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	65.39	
32 93 33 00-0382	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	102.01	
32 93 33 00-0383	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	128.17	
32 93 33 00-0384	EA	15" To 18" Kalmia latifolia - Mountain Laurel	53.67	
32 93 33 00-0385	EA	18" To 24" Kalmia latifolia - Mountain Laurel	71.51	
32 93 33 00-0386	EA	2' To 3' Kalmia latifolia - Mountain Laurel	104.25	
32 93 33 00-0387	EA	4' To 5' Kalmia latifolia - Mountain Laurel	190.65	
32 93 33 00-0388	EA	5' To 6' Kalmia latifolia - Mountain Laurel	292.09	
32 93 33 00-0389	EA	6' To 8' Kalmia latifolia - Mountain Laurel	447.06	
32 93 33 00-0390	EA	1 Gallon Kerria japonica - Kerria	11.94	
32 93 33 00-0391	EA	5 Gallon Kerria japonica - Kerria	37.37	
32 93 33 00-0392	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	37.93	
32 93 33 00-0393	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	43.16	
32 93 33 00-0394	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	47.08	
32 93 33 00-0395	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	54.93	
32 93 33 00-0396	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	62.78	
32 93 33 00-0397	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	78.47	
32 93 33 00-0398	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	8.99	
32 93 33 00-0399	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	32.03	
32 93 33 00-0400	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	44.68	
32 93 33 00-0401	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	65.61	
32 93 33 00-0402	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	104.25	
32 93 33 00-0403	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	135.36	
32 93 33 00-0404	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	180.48	
32 93 33 00-0405	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	376.00	
32 93 33 00-0406	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	13.49	
32 93 33 00-0407	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	29.51	
32 93 33 00-0408	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	35.55	
32 93 33 00-0409	EA	1 Gallon Ligustrum lucidum - Glossy Privet	8.29	
32 93 33 00-0410	EA	5 Gallon Ligustrum lucidum - Glossy Privet	25.43	
32 93 33 00-0411	EA	15 Gallon Ligustrum lucidum - Glossy Privet	119.14	
32 93 33 00-0412	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	8.29	
32 93 33 00-0413	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	17.84	
32 93 33 00-0414	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	23.18	
32 93 33 00-0415	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	39.23	
32 93 33 00-0416	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	57.54	
32 93 33 00-0417	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	73.24	
32 93 33 00-0418	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	83.70	
32 93 33 00-0419	EA	5 Gallon Lindera benzoin - Spicebush	43.16	
32 93 33 00-0420	EA	36" Balled and Burlapped, Lindera benzoin - Spicebush	36.62	
32 93 33 00-0421	EA	48" Balled and Burlapped, Lindera benzoin - Spicebush	44.47	
32 93 33 00-0422	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	71.51	
32 93 33 00-0423	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	86.40	
32 93 33 00-0424	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	39.23	
32 93 33 00-0425	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	47.08	
32 93 33 00-0426	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	52.31	
32 93 33 00-0427	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	57.54	
32 93 33 00-0428	EA	1 Gallon Myrica cerifera - Wax Myrtle	7.52	
32 93 33 00-0429	EA	4 Gallon Myrica cerifera - Wax Myrtle	24.06	
32 93 33 00-0430	EA	7 Gallon Myrica cerifera - Wax Myrtle	52.64	
32 93 33 00-0431	EA	10 Gallon Myrica cerifera - Wax Myrtle	78.21	
32 93 33 00-0432	EA	15 Gallon Myrica cerifera - Wax Myrtle	120.32	
32 93 33 00-0433	EA	45 Gallon Myrica cerifera - Wax Myrtle	360.96	
32 93 33 00-0434	EA	1' - 2' Myrica cerifera - Wax Myrtle	10.53	
32 93 33 00-0435	EA	3' - 4' Myrica cerifera - Wax Myrtle	36.10	
32 93 33 00-0436	EA	5' - 6' Myrica cerifera - Wax Myrtle	66.18	
32 93 33 00-0437	EA	7' - 8' Myrica cerifera - Wax Myrtle	90.24	
32 93 33 00-0438	EA	9' - 10' Myrica cerifera - Wax Myrtle	120.32	
32 93 33 00-0439	EA	11' - 12' Myrica cerifera - Wax Myrtle	183.49	
32 93 33 00-0440	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	39.23	
32 93 33 00-0441	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	64.08	
32 93 33 00-0442	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	94.16	
32 93 33 00-0443	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	112.47	
32 93 33 00-0444	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	117.70	
32 93 33 00-0445	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	9.61	
32 93 33 00-0446	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	23.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0447	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	94.38	
32 93 33 00-0448	EA	1 Gallon Nandina domestica - Heavenly Bamboo	13.49	
32 93 33 00-0449	EA	2 Gallon Nandina domestica - Heavenly Bamboo	29.51	
32 93 33 00-0450	EA	5 Gallon Nandina domestica - Heavenly Bamboo	44.68	
32 93 33 00-0451	EA	15 Gallon Nerium oleander - Oleander	103.27	
32 93 33 00-0452	EA	24" Box Nerium oleander - Oleander	371.12	
32 93 33 00-0453	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	8.29	
32 93 33 00-0454	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	22.48	
32 93 33 00-0455	EA	1 Gallon Philadelphus - Evergreen Mockorange	11.52	
32 93 33 00-0456	EA	5 Gallon Philadelphus - Evergreen Mockorange	37.37	
32 93 33 00-0457	EA	36" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	39.23	
32 93 33 00-0458	EA	42" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	45.77	
32 93 33 00-0459	EA	48" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	52.31	
32 93 33 00-0460	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia	9.61	
32 93 33 00-0461	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia	23.78	
32 93 33 00-0462	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia	94.38	
32 93 33 00-0463	EA	1 Gallon Phormium tenax - New Zealand Flax	10.13	
32 93 33 00-0464	EA	5 Gallon Phormium tenax - New Zealand Flax	24.29	
32 93 33 00-0465	EA	15 Gallon Phormium tenax - New Zealand Flax	103.27	
32 93 33 00-0466	EA	24" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	39.23	
32 93 33 00-0467	EA	30" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	45.77	
32 93 33 00-0468	EA	36" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	52.31	
32 93 33 00-0469	EA	42" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	65.39	
32 93 33 00-0470	EA	48" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	78.47	
32 93 33 00-0471	EA	12" To 15" Spread Pieris - Mountain Andromeda	36.11	
32 93 33 00-0472	EA	15" To 18" Spread Pieris - Mountain Andromeda	77.41	
32 93 33 00-0473	EA	12" To 15" Pieris japonica - Japanese Andromeda	46.93	
32 93 33 00-0474	EA	15" To 18" Pieris japonica - Japanese Andromeda	53.67	
32 93 33 00-0475	EA	18" To 24" Pieris japonica - Japanese Andromeda	67.16	
32 93 33 00-0476	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	95.40	
32 93 33 00-0477	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	113.24	
32 93 33 00-0478	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	40.74	
32 93 33 00-0479	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	52.15	
32 93 33 00-0480	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	62.74	
32 93 33 00-0481	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	80.67	
32 93 33 00-0482	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	96.96	
32 93 33 00-0483	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	141.78	
32 93 33 00-0484	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	88.00	
32 93 33 00-0485	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	105.93	
32 93 33 00-0486	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	140.96	
32 93 33 00-0487	EA	1 Gallon Pittosporum - Pittosporum	4.96	
32 93 33 00-0488	EA	3 Gallon Pittosporum - Pittosporum	12.78	
32 93 33 00-0489	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.96	
32 93 33 00-0490	EA	3 Gallon Pittosporum - Varigated Pittosporum	12.78	
32 93 33 00-0491	EA	5 Gallon Pittosporum - Varigated Pittosporum	22.41	
32 93 33 00-0492	EA	1 Gallon Pittosporum eugenioides - Lemonwood	11.04	
32 93 33 00-0493	EA	5 Gallon Pittosporum eugenioides - Lemonwood	26.15	
32 93 33 00-0494	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	9.61	
32 93 33 00-0495	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	23.78	
32 93 33 00-0496	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	94.38	
32 93 33 00-0497	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	22.23	
32 93 33 00-0498	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	31.39	
32 93 33 00-0499	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	23.54	
32 93 33 00-0500	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	26.16	
32 93 33 00-0501	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	37.93	
32 93 33 00-0502	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	43.81	
32 93 33 00-0503	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.60	
32 93 33 00-0504	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	14.01	
32 93 33 00-0505	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	83.51	
32 93 33 00-0506	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	21.36	
32 93 33 00-0507	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	26.44	
32 93 33 00-0508	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	34.40	
32 93 33 00-0509	EA	15" To 18" Prunus triloba - Double White Flowering Almond	19.08	
32 93 33 00-0510	EA	18" To 24" Prunus triloba - Double White Flowering Almond	24.42	
32 93 33 00-0511	EA	3' To 4' Prunus triloba - Double White Flowering Almond	38.95	
32 93 33 00-0512	EA	4' To 6' Prunus triloba - Double White Flowering Almond	77.99	
32 93 33 00-0513	EA	5 Gallon Prunus triloba - Pink Flowering Almond	23.46	
32 93 33 00-0514	EA	18" To 24" Prunus triloba - Pink Flowering Almond	26.35	
32 93 33 00-0515	EA	2' To 3' Prunus triloba - Pink Flowering Almond	30.64	
32 93 33 00-0516	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	20.83	
32 93 33 00-0517	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	25.56	
32 93 33 00-0518	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	30.64	
32 93 33 00-0519	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	35.10	
32 93 33 00-0520	EA	1 Gallon Punica granatum - Dwarf Pomegranate	8.85	
32 93 33 00-0521	EA	3 Gallon Punica granatum - Dwarf Pomegranate	26.13	
32 93 33 00-0522	EA	7 Gallon Punica granatum - Dwarf Pomegranate	53.67	
32 93 33 00-0523	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	11.24	
32 93 33 00-0524	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	37.37	
32 93 33 00-0525	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	77.41	
32 93 33 00-0526	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	8.99	
32 93 33 00-0527	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	17.14	
32 93 33 00-0528	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	30.49	
32 93 33 00-0529	EA	1 Gallon Rhamnus californica - Coffeeberry	13.67	
32 93 33 00-0530	EA	5 Gallon Rhamnus californica - Coffeeberry	39.08	
32 93 33 00-0531	EA	15 Gallon Rhamnus californica - Coffeeberry	117.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0532	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	68.56	
32 93 33 00-0533	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	93.99	
32 93 33 00-0534	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	122.23	
32 93 33 00-0535	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	223.53	
32 93 33 00-0536	EA	1 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	10.23	
32 93 33 00-0537	EA	5 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	24.29	
32 93 33 00-0538	EA	15 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	103.27	
32 93 33 00-0539	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	14.61	
32 93 33 00-0540	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	29.50	
32 93 33 00-0541	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	38.50	
32 93 33 00-0542	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	44.68	
32 93 33 00-0543	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	52.26	
32 93 33 00-0544	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	65.61	
32 93 33 00-0545	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	95.40	
32 93 33 00-0546	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	134.03	
32 93 33 00-0547	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	16.44	
32 93 33 00-0548	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	29.50	
32 93 33 00-0549	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	50.72	
32 93 33 00-0550	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	65.61	
32 93 33 00-0551	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	95.40	
32 93 33 00-0552	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	140.08	
32 93 33 00-0553	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	187.70	
32 93 33 00-0554	EA	5 Gallon Rhododendron - Boxleaf Azara	37.37	
32 93 33 00-0555	EA	15 Gallon Rhododendron - Boxleaf Azara	134.03	
32 93 33 00-0556	EA	15" To 18" Rhododendron - Carolina Rhododendron	42.29	
32 93 33 00-0557	EA	18" To 24" Rhododendron - Carolina Rhododendron	74.46	
32 93 33 00-0558	EA	24" To 30" Rhododendron - Carolina Rhododendron	110.29	
32 93 33 00-0559	EA	2' To 3' Rhododendron - Five-leafed Azalea	50.16	
32 93 33 00-0560	EA	3' To 4' Rhododendron - Five-leafed Azalea	65.61	
32 93 33 00-0561	EA	4' To 5' Rhododendron - Five-leafed Azalea	86.41	
32 93 33 00-0562	EA	15" To 18" Rhododendron - Ghent Azalea	50.16	
32 93 33 00-0563	EA	18" To 24" Rhododendron - Ghent Azalea	62.52	
32 93 33 00-0564	EA	2' To 3' Rhododendron - Ghent Azalea	101.30	
32 93 33 00-0565	EA	3' To 4' Rhododendron - Ghent Azalea	140.08	
32 93 33 00-0566	EA	4' To 5' Rhododendron - Ghent Azalea	187.70	
32 93 33 00-0567	EA	5' To 6' Rhododendron - Ghent Azalea	250.37	
32 93 33 00-0568	EA	1 Gallon Rhododendron - Hybrid Rhododendron	16.44	
32 93 33 00-0569	EA	2 Gallon Rhododendron - Hybrid Rhododendron	35.55	
32 93 33 00-0570	EA	3 Gallon Rhododendron - Hybrid Rhododendron	50.44	
32 93 33 00-0571	EA	5 Gallon Rhododendron - Hybrid Rhododendron	56.34	
32 93 33 00-0572	EA	15" To 18" Rhododendron - Hybrid Rhododendron	47.63	
32 93 33 00-0573	EA	18" To 24" Rhododendron - Hybrid Rhododendron	65.61	
32 93 33 00-0574	EA	24" To 30" Rhododendron - Hybrid Rhododendron	89.36	
32 93 33 00-0575	EA	30" To 36" Rhododendron - Hybrid Rhododendron	104.25	
32 93 33 00-0576	EA	36" To 42" Rhododendron - Hybrid Rhododendron	149.07	
32 93 33 00-0577	EA	42" To 48" Rhododendron - Hybrid Rhododendron	184.75	
32 93 33 00-0578	EA	15" To 18" Rhododendron - Pjm Rhododendron	53.67	
32 93 33 00-0579	EA	18" To 24" Rhododendron - Pjm Rhododendron	65.61	
32 93 33 00-0580	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	95.40	
32 93 33 00-0581	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	122.23	
32 93 33 00-0582	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	149.07	
32 93 33 00-0583	EA	12" To 15" Rhododendron - Torch Azalea	41.73	
32 93 33 00-0584	EA	15" To 18" Rhododendron - Torch Azalea	50.16	
32 93 33 00-0585	EA	18" To 24" Rhododendron - Torch Azalea	62.52	
32 93 33 00-0586	EA	2' To 3' Rhododendron - Torch Azalea	104.25	
32 93 33 00-0587	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	47.08	
32 93 33 00-0588	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	57.54	
32 93 33 00-0589	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	70.62	
32 93 33 00-0590	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	88.93	
32 93 33 00-0591	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	104.63	
32 93 33 00-0592	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	125.55	
32 93 33 00-0593	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	13.49	
32 93 33 00-0594	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	37.37	
32 93 33 00-0595	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	31.39	
32 93 33 00-0596	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	43.16	
32 93 33 00-0597	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	49.70	
32 93 33 00-0598	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	65.39	
32 93 33 00-0599	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	39.23	
32 93 33 00-0600	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	65.39	
32 93 33 00-0601	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	104.63	
32 93 33 00-0602	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	35.31	
32 93 33 00-0603	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	40.54	
32 93 33 00-0604	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	58.85	
32 93 33 00-0605	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	78.47	
32 93 33 00-0606	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	21.58	
32 93 33 00-0607	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	26.16	
32 93 33 00-0608	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	32.70	
32 93 33 00-0609	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	23.54	
32 93 33 00-0610	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	30.08	
32 93 33 00-0611	EA	5 Gallon Sambucus canadensis - American Elder	43.16	
32 93 33 00-0612	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton	9.61	
32 93 33 00-0613	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton	23.78	
32 93 33 00-0614	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton	9.61	
32 93 33 00-0615	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton	23.78	
32 93 33 00-0616	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	19.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0617	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	28.38	
32 93 33 00-0618	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	10.54	
32 93 33 00-0619	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	27.54	
32 93 33 00-0620	EA	5 Gallon Senna artemisioides - Feathery Cassia	25.73	
32 93 33 00-0621	EA	15 Gallon Senna artemisioides - Feathery Cassia	102.38	
32 93 33 00-0622	EA	24" Box Senna artemisioides - Feathery Cassia	321.60	
32 93 33 00-0623	EA	1 Gallon Skimmia japonica - Japanese Skimmia	13.49	
32 93 33 00-0624	EA	2 Gallon Skimmia japonica - Japanese Skimmia	26.83	
32 93 33 00-0625	EA	5 Gallon Skimmia japonica - Japanese Skimmia	43.27	
32 93 33 00-0626	EA	1 Gallon Sollya fusiformis - Bluebell Creeper	9.61	
32 93 33 00-0627	EA	5 Gallon Sollya fusiformis - Bluebell Creeper	23.78	
32 93 33 00-0628	EA	3' To 4' Spiraea - Garland Spirea	62.52	
32 93 33 00-0629	EA	4' To 5' Spiraea - Garland Spirea	95.40	
32 93 33 00-0630	EA	5 Gallon Spiraea - Snowmound Spirea	37.37	
32 93 33 00-0631	EA	18" To 24" Spiraea - Snowmound Spirea	30.63	
32 93 33 00-0632	EA	2' To 3' Spiraea - Snowmound Spirea	43.27	
32 93 33 00-0633	EA	3' To 4' Spiraea - Snowmound Spirea	50.16	
32 93 33 00-0634	EA	4' To 5' Spiraea - Snowmound Spirea	86.40	
32 93 33 00-0635	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	13.49	
32 93 33 00-0636	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	26.55	
32 93 33 00-0637	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	30.73	
32 93 33 00-0638	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	33.35	
32 93 33 00-0639	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	34.00	
32 93 33 00-0640	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	39.23	
32 93 33 00-0641	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	44.47	
32 93 33 00-0642	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	51.66	
32 93 33 00-0643	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	20.93	
32 93 33 00-0644	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	31.39	
32 93 33 00-0645	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	28.77	
32 93 33 00-0646	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	34.00	
32 93 33 00-0647	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	39.23	
32 93 33 00-0648	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	44.47	
32 93 33 00-0649	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	57.54	
32 93 33 00-0650	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	13.49	
32 93 33 00-0651	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	24.19	
32 93 33 00-0652	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	31.39	
32 93 33 00-0653	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	27.46	
32 93 33 00-0654	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	33.35	
32 93 33 00-0655	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	39.23	
32 93 33 00-0656	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	44.47	
32 93 33 00-0657	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	31.39	
32 93 33 00-0658	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	31.39	
32 93 33 00-0659	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	36.62	
32 93 33 00-0660	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	49.70	
32 93 33 00-0661	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	57.54	
32 93 33 00-0662	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	68.01	
32 93 33 00-0663	EA	5 Gallon Staphylea trifolia - Bladdernut	44.15	
32 93 33 00-0664	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	31.39	
32 93 33 00-0665	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	34.00	
32 93 33 00-0666	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	39.23	
32 93 33 00-0667	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	47.08	
32 93 33 00-0668	EA	2 Gallon Symphoricarpos albus - Common Snowberry	32.70	
32 93 33 00-0669	EA	5 Gallon Symphoricarpos albus - Common Snowberry	34.66	
32 93 33 00-0670	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	57.54	
32 93 33 00-0671	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	71.93	
32 93 33 00-0672	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	83.70	
32 93 33 00-0673	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	96.78	
32 93 33 00-0674	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	57.54	
32 93 33 00-0675	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	62.78	
32 93 33 00-0676	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	71.93	
32 93 33 00-0677	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	83.70	
32 93 33 00-0678	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	96.78	
32 93 33 00-0679	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	45.77	
32 93 33 00-0680	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	49.70	
32 93 33 00-0681	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	39.23	
32 93 33 00-0682	EA	42' Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	44.47	
32 93 33 00-0683	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	49.70	
32 93 33 00-0684	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	57.54	
32 93 33 00-0685	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	70.62	
32 93 33 00-0686	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	32.70	
32 93 33 00-0687	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	37.93	
32 93 33 00-0688	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	49.70	
32 93 33 00-0689	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	207.94	
32 93 33 00-0690	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	232.79	
32 93 33 00-0691	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	256.33	
32 93 33 00-0692	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	308.65	
32 93 33 00-0693	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	54.93	
32 93 33 00-0694	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	71.93	
32 93 33 00-0695	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	83.70	
32 93 33 00-0696	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	91.55	
32 93 33 00-0697	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	54.93	
32 93 33 00-0698	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	71.93	
32 93 33 00-0699	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	85.01	
32 93 33 00-0700	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	100.70	
32 93 33 00-0701	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	151.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0702	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	83.70	
32 93 33 00-0703	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	112.47	
32 93 33 00-0704	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	170.02	
32 93 33 00-0705	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	248.49	
32 93 33 00-0706	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	285.11	
32 93 33 00-0707	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	330.88	
32 93 33 00-0708	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	36.62	
32 93 33 00-0709	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	51.01	
32 93 33 00-0710	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	71.93	
32 93 33 00-0711	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	62.52	
32 93 33 00-0712	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	95.40	
32 93 33 00-0713	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	125.18	
32 93 33 00-0714	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	7.59	
32 93 33 00-0715	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	20.79	
32 93 33 00-0716	EA	5 Gallon Viburnum plicatum - Japanese Snowball	37.37	
32 93 33 00-0717	EA	5' To 6' Viburnum plicatum - Japanese Snowball	140.08	
32 93 33 00-0718	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	65.61	
32 93 33 00-0719	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	77.41	
32 93 33 00-0720	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	108.89	
32 93 33 00-0721	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	71.93	
32 93 33 00-0722	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	86.32	
32 93 33 00-0723	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	65.39	
32 93 33 00-0724	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	78.47	
32 93 33 00-0725	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	91.55	
32 93 33 00-0726	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	104.63	
32 93 33 00-0727	EA	1 Gallon Viburnum davidii - David Viburnum	9.61	
32 93 33 00-0728	EA	5 Gallon Viburnum davidii - David Viburnum	23.78	
32 93 33 00-0729	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	36.62	
32 93 33 00-0730	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	39.23	
32 93 33 00-0731	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	45.77	
32 93 33 00-0732	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	52.31	
32 93 33 00-0733	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	57.54	
32 93 33 00-0734	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	35.31	
32 93 33 00-0735	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	39.23	
32 93 33 00-0736	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	49.70	
32 93 33 00-0737	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	57.54	
32 93 33 00-0738	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	78.47	
32 93 33 00-0739	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	94.16	
32 93 33 00-0740	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	39.23	
32 93 33 00-0741	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	52.31	
32 93 33 00-0742	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	65.39	
32 93 33 00-0743	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	91.55	
32 93 33 00-0744	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	130.78	
32 93 33 00-0745	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	183.10	
32 93 33 00-0746	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	235.41	
32 93 33 00-0747	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	47.08	
32 93 33 00-0748	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	52.31	
32 93 33 00-0749	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	94.16	
32 93 33 00-0750	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	143.86	
32 93 33 00-0751	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	183.10	
32 93 33 00-0752	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	222.33	
32 93 33 00-0753	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	274.64	
32 93 33 00-0754	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	326.96	
32 93 33 00-0755	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	392.35	
32 93 33 00-0756	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	457.74	
32 93 33 00-0757	EA	30" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	39.89	
32 93 33 00-0758	EA	36" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	43.81	
32 93 33 00-0759	EA	48" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	49.70	
32 93 33 00-0760	EA	60" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	57.54	
32 93 33 00-0761	EA	72" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	66.05	
32 93 33 00-0762	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	37.93	
32 93 33 00-0763	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	45.77	
32 93 33 00-0764	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	54.93	
32 93 33 00-0765	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	62.78	
32 93 33 00-0766	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	75.85	
32 93 33 00-0767	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	83.70	
32 93 33 00-0768	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	65.39	
32 93 33 00-0769	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	78.47	
32 93 33 00-0770	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	91.55	
32 93 33 00-0771	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	104.63	
32 93 33 00-0772	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	117.70	
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	83.70	
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	94.16	
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	107.24	
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	122.94	
32 93 33 00-0777	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	77.41	
32 93 33 00-0778	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	95.40	
32 93 33 00-0779	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	140.08	
32 93 33 00-0780	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	43.16	
32 93 33 00-0781	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	39.23	
32 93 33 00-0782	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	44.47	
32 93 33 00-0783	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	49.70	
32 93 33 00-0784	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	57.54	
32 93 33 00-0785	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	65.39	
32 93 33 00-0786	EA	1 Gallon Xylosma congestum - Shiny Xylosma	8.99	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0787	EA	5 Gallon Xylosma congestum - Shiny Xylosma	25.43	
32 93 33 00-0788	EA	15 Gallon Xylosma congestum - Shiny Xylosma	111.83	
32 93 33 00-0789	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	7.59	
32 93 33 00-0790	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	20.09	
32 93 33 00-0791	EA	1 Gallon Yucca filamentosa - Adams Needle	10.54	
32 93 33 00-0792	EA	3 Gallon Yucca filamentosa - Adams Needle	20.51	
32 93 33 00-0793	EA	5 Gallon Yucca filamentosa - Adams Needle	32.46	
32 93 33 00-0794	EA	5 Gallon Border Forsythia - Goldenbells	36.11	
32 93 33 00-0795	EA	2' To 3' Border Forsythia - Goldenbells	29.79	
32 93 33 00-0796	EA	3' To 4' Border Forsythia - Goldenbells	37.65	
32 93 33 00-0797	EA	4' To 5' Border Forsythia - Goldenbells	46.93	
32 93 33 00-0798	EA	5' To 6' Border Forsythia - Goldenbells	56.34	
32 93 33 00-0799	EA	6' To 8' Border Forsythia - Goldenbells	77.41	
32 93 33 00-0800	EA	3' Juniperus chinensis - Columnar Chinese Juniper	76.70	
32 93 33 00-0801	EA	4' Juniperus chinensis - Columnar Chinese Juniper	105.28	
32 93 33 00-0802	EA	5' Juniperus chinensis - Columnar Chinese Juniper	165.44	
32 93 33 00-0803	EA	6' Juniperus chinensis - Columnar Chinese Juniper	192.51	
32 93 33 00-0804	EA	7' Juniperus chinensis - Columnar Chinese Juniper	252.67	
32 93 33 00-0805	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	15.04	
32 93 33 00-0806	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	21.06	
32 93 33 00-0807	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	50.99	
32 93 33 00-0808	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	15.04	
32 93 33 00-0809	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	21.06	

32 93 43 Trees *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001 Deciduous Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	287.06	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	350.85	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	398.70	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	462.49	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	526.28	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	621.97	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	285.63	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,020.66	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,275.83	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	255.17	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye	637.91	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye	829.29	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye	956.87	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye	1,084.45	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye	1,275.83	
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	104.63	
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	130.78	
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	162.17	
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	130.78	
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	156.94	
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	183.10	
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	209.25	
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	235.41	
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	261.57	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	300.80	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	340.03	
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	392.35	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	318.96	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	446.54	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	478.43	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	558.17	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	398.70	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	478.43	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	558.17	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	637.91	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	717.65	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	797.39	
32 93 43 00-0039	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	300.80	
32 93 43 00-0040	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	353.11	
32 93 43 00-0041	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	405.43	
32 93 43 00-0042	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	444.66	
32 93 43 00-0043	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	104.63	
32 93 43 00-0044	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	222.33	
32 93 43 00-0045	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	287.72	
32 93 43 00-0046	EA	2' To 4' Amelemchier - Juneberry	31.85	
32 93 43 00-0047	EA	4' To 5' Amelemchier - Juneberry	33.41	
32 93 43 00-0048	EA	5' To 6' Amelemchier - Juneberry	39.78	
32 93 43 00-0049	EA	6' To 8' Amelemchier - Juneberry	47.46	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	223.27	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	255.17	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	350.85	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	478.43	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	558.17	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	717.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	287.06	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	350.85	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	478.43	
32 93 43 00-0059	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	558.17	
32 93 43 00-0060	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	669.81	
32 93 43 00-0061	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	813.34	
32 93 43 00-0062	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	924.97	
32 93 43 00-0063	EA	6' Cercis - American Redbud	178.63	
32 93 43 00-0064	EA	8' Cercis - American Redbud	245.76	
32 93 43 00-0065	EA	2-1/2" Caliper Cercis - American Redbud	506.18	
32 93 43 00-0066	EA	3" Caliper Cercis - American Redbud	616.22	
32 93 43 00-0067	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud	155.91	
32 93 43 00-0068	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud	194.89	
32 93 43 00-0069	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud	382.75	
32 93 43 00-0070	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud	526.28	
32 93 43 00-0071	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud	669.81	
32 93 43 00-0072	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	366.80	
32 93 43 00-0073	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud	430.59	
32 93 43 00-0074	EA	5' To 6' Chaenomeles - Orange Quince	100.75	
32 93 43 00-0075	EA	6' To 8' Chaenomeles - Orange Quince	125.93	
32 93 43 00-0076	EA	5' Clump Form Chionanthus virginicus - White Fringetree	318.96	
32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree	398.70	
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree	510.33	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	115.14	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	143.92	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	201.49	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	259.05	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood	76.76	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood	115.14	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood	161.19	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood	76.76	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood	88.27	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood	115.14	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood	168.87	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	230.27	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	366.80	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	446.54	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	175.43	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	223.27	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	255.17	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	287.06	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	350.85	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	175.43	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	223.27	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	271.11	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	318.96	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	446.54	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	398.70	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	478.43	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	558.17	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	318.96	
32 93 43 00-0107	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	398.70	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	494.38	
32 93 43 00-0109	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	558.17	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	637.91	
32 93 43 00-0111	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	717.65	
32 93 43 00-0112	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	318.96	
32 93 43 00-0113	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	382.75	
32 93 43 00-0114	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	446.54	
32 93 43 00-0115	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	558.17	
32 93 43 00-0116	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	717.65	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	255.17	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	287.06	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	318.96	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	366.80	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	478.43	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	542.23	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	223.27	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	271.11	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	318.96	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	398.70	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	494.38	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	590.07	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	685.76	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	255.17	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	287.06	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	398.70	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	526.28	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	239.22	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	318.96	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	398.70	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	478.43	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	159.48	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	207.32	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	255.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	350.85	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	478.43	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	9.17	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	29.34	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	50.44	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	96.28	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	128.38	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	165.06	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	60.45	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	90.67	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	113.34	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	141.16	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	239.22	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	318.96	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	414.64	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	462.49	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	621.97	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	558.17	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	239.22	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	318.96	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	414.64	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	462.49	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	558.17	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	621.97	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	239.22	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	318.96	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	414.64	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	462.49	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	558.17	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	621.97	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	239.22	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	318.96	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	414.64	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	462.49	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	558.17	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	621.97	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	239.22	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	318.96	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	414.64	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	462.49	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	558.17	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	621.97	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	64.76	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	165.15	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	194.29	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	191.37	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	255.17	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	318.96	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	382.75	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	446.54	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	510.33	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	287.06	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	318.96	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	398.70	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	446.54	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	574.12	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	318.96	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	398.70	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	239.22	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	303.01	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	366.80	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	414.64	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	462.49	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	510.33	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	146.32	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	182.90	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	219.48	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	256.06	
32 93 43 00-0209	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	6.82	
32 93 43 00-0210	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	28.89	
32 93 43 00-0211	EA	20 Gallon Prunus subhirtella - Flowering Cherry	394.55	
32 93 43 00-0212	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	407.84	
32 93 43 00-0213	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	509.75	
32 93 43 00-0214	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,063.80	
32 93 43 00-0215	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	819.90	
32 93 43 00-0216	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,595.70	
32 93 43 00-0217	EA	4' To 6' Prunus - Pigeon Plum	161.32	
32 93 43 00-0218	EA	8' To 10' Prunus - Pigeon Plum	548.49	
32 93 43 00-0219	EA	10' To 12' Prunus - Pigeon Plum	696.90	
32 93 43 00-0220	EA	14' To 16' Prunus - Pigeon Plum	1,096.98	
32 93 43 00-0221	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	101.91	
32 93 43 00-0222	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	279.14	
32 93 43 00-0223	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	363.53	
32 93 43 00-0224	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	115.20	
32 93 43 00-0225	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	221.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0226	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	407.84	
32 93 43 00-0227	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	487.59	
32 93 43 00-0228	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	319.23	
32 93 43 00-0229	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	265.84	
32 93 43 00-0230	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	389.90	
32 93 43 00-0231	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	465.44	
32 93 43 00-0232	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	598.36	
32 93 43 00-0233	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	230.61	
32 93 43 00-0234	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	354.67	
32 93 43 00-0235	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	434.21	
32 93 43 00-0236	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	554.05	
32 93 43 00-0237	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	308.04	
32 93 43 00-0238	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	385.05	
32 93 43 00-0239	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	400.45	
32 93 43 00-0240	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	477.46	
32 93 43 00-0241	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	646.89	
32 93 43 00-0242	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	847.12	
32 93 43 00-0243	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,078.14	
32 93 43 00-0244	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	308.04	
32 93 43 00-0245	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	385.05	
32 93 43 00-0246	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	261.84	
32 93 43 00-0247	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	400.45	
32 93 43 00-0248	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	477.05	
32 93 43 00-0249	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	646.89	
32 93 43 00-0250	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	847.12	
32 93 43 00-0251	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	561.11	
32 93 43 00-0252	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	701.39	
32 93 43 00-0253	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	869.73	
32 93 43 00-0254	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	981.95	
32 93 43 00-0255	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,094.17	
32 93 43 00-0256	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,402.78	
32 93 43 00-0257	EA	1 Gallon Ribes aureum - Golden Current	5.97	
32 93 43 00-0258	EA	5 Gallon Ribes aureum - Golden Current	17.07	
32 93 43 00-0259	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	5.97	
32 93 43 00-0260	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	17.07	
32 93 43 00-0261	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	5.97	
32 93 43 00-0262	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	17.07	
32 93 43 00-0263	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	426.43	
32 93 43 00-0264	EA	2" Caliper Sophora japonica - Japanese Pagoda	479.73	
32 93 43 00-0265	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	559.69	
32 93 43 00-0266	EA	3" Caliper Sophora japonica - Japanese Pagoda	818.59	
32 93 43 00-0267	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,237.40	
32 93 43 00-0268	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	318.96	
32 93 43 00-0269	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	398.70	
32 93 43 00-0270	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	494.38	
32 93 43 00-0271	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	606.02	
32 93 43 00-0272	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	733.60	
32 93 43 00-0273	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	877.13	
32 93 43 00-0274	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	414.64	
32 93 43 00-0275	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	446.54	
32 93 43 00-0276	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	542.23	
32 93 43 00-0277	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	255.17	
32 93 43 00-0278	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	303.01	
32 93 43 00-0279	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	350.85	
32 93 43 00-0280	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	398.70	
32 93 43 00-0281	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	462.49	
32 93 43 00-0282	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	590.07	
32 93 43 00-0283	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	669.81	
32 93 43 00-0284	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	765.50	
32 93 43 00-0285	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	45.48	
32 93 43 00-0286	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	119.92	
32 93 43 00-0287	EA	24" Box Celtis Sinensis - Chinese Hackberry	392.82	
32 93 43 00-0288	EA	36" Box Celtis Sinensis - Chinese Hackberry	1,147.46	
32 93 43 00-0289	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	45.48	
32 93 43 00-0290	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	119.92	
32 93 43 00-0291	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	392.82	
32 93 43 00-0292	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	1,147.46	
32 93 43 00-0293	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	13.44	
32 93 43 00-0294	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	37.22	
32 93 43 00-0295	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	163.33	
32 93 43 00-0296	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	392.82	
32 93 43 00-0297	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	1,033.75	
32 93 43 00-0298	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	101.31	
32 93 43 00-0299	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	330.80	
32 93 43 00-0300	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	878.69	
32 93 43 00-0301	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,964.12	
32 93 43 00-0302	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	28.94	
32 93 43 00-0303	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	101.31	
32 93 43 00-0304	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	330.80	
32 93 43 00-0305	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	878.69	
32 93 43 00-0306	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,964.12	
32 93 43 00-0307	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	28.94	
32 93 43 00-0308	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	121.98	
32 93 43 00-0309	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	330.80	
32 93 43 00-0310	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	930.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0311	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	2,377.62	
32 93 43 00-0312	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	28.94	
32 93 43 00-0313	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	121.98	
32 93 43 00-0314	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	330.80	
32 93 43 00-0315	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	930.38	
32 93 43 00-0316	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	2,377.62	
32 93 43 00-0317	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	28.94	
32 93 43 00-0318	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	121.98	
32 93 43 00-0319	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	330.80	
32 93 43 00-0320	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	930.38	
32 93 43 00-0321	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	2,377.62	
32 93 43 00-0322	EA	1 Gallon Pittosporum undulatum - Victorian Box	25.22	
32 93 43 00-0323	EA	5 Gallon Pittosporum undulatum - Victorian Box	54.31	
32 93 43 00-0324	EA	15 Gallon Pittosporum undulatum - Victorian Box	306.47	
32 93 43 00-0325	EA	24" Box Pittosporum undulatum - Victorian Box	737.09	
32 93 43 00-0326	EA	36" Box Pittosporum undulatum - Victorian Box	2,133.67	
32 93 43 00-0327	EA	48" Box Pittosporum undulatum - Victorian Box	4,849.25	
32 93 43 00-0328	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	103.27	
32 93 43 00-0329	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	372.05	

32 93 43 00-0330 Deciduous Shade Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0331	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	244.39	
32 93 43 00-0332	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	299.57	
32 93 43 00-0333	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	390.23	
32 93 43 00-0334	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	505.85	
32 93 43 00-0335	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	25.78	
32 93 43 00-0336	EA	4' To 5' Acer palmatum - Japanese Maple	54.13	
32 93 43 00-0337	EA	5' To 6' Acer palmatum - Japanese Maple	70.88	
32 93 43 00-0338	EA	6' To 7' Acer palmatum - Japanese Maple	128.88	
32 93 43 00-0339	EA	7' To 8' Acer palmatum - Japanese Maple	180.43	
32 93 43 00-0340	EA	8' To 10' Acer palmatum - Japanese Maple	231.99	
32 93 43 00-0341	EA	10' To 12' Acer palmatum - Japanese Maple	309.32	
32 93 43 00-0342	EA	2" Caliper Acer platanoides & cvs - Norway Maple	131.39	
32 93 43 00-0343	EA	2" Caliper Acer platanoides & cvs - Norway Maple	159.95	
32 93 43 00-0344	EA	3" Caliper Acer platanoides & cvs - Norway Maple	205.65	
32 93 43 00-0345	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	239.93	
32 93 43 00-0346	EA	4" Caliper Acer platanoides & cvs - Norway Maple	257.07	
32 93 43 00-0347	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	279.92	
32 93 43 00-0348	EA	5" Caliper Acer platanoides & cvs - Norway Maple	314.19	
32 93 43 00-0349	EA	2" Caliper Acer rubrum & cvs - Red Maple	125.68	
32 93 43 00-0350	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	159.95	
32 93 43 00-0351	EA	3" Caliper Acer rubrum & cvs - Red Maple	205.65	
32 93 43 00-0352	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	251.35	
32 93 43 00-0353	EA	4" Caliper Acer rubrum & cvs - Red Maple	285.63	
32 93 43 00-0354	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	331.33	
32 93 43 00-0355	EA	5" Caliper Acer rubrum & cvs - Red Maple	371.32	
32 93 43 00-0356	EA	8' Clump Form Acer rubrum & cvs - Red Maple	154.24	
32 93 43 00-0357	EA	10' Clump Form Acer rubrum & cvs - Red Maple	205.65	
32 93 43 00-0358	EA	12' Clump Form Acer rubrum & cvs - Red Maple	239.93	
32 93 43 00-0359	EA	14' Clump Form Acer rubrum & cvs - Red Maple	274.21	
32 93 43 00-0360	EA	16' Clump Form Acer rubrum & cvs - Red Maple	308.48	
32 93 43 00-0361	EA	18' Clump Form Acer rubrum & cvs - Red Maple	342.76	
32 93 43 00-0362	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	102.83	
32 93 43 00-0363	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	137.10	
32 93 43 00-0364	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	171.38	
32 93 43 00-0365	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	205.65	
32 93 43 00-0366	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	239.93	
32 93 43 00-0367	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	274.21	
32 93 43 00-0368	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	308.48	
32 93 43 00-0369	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	125.68	
32 93 43 00-0370	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	165.67	
32 93 43 00-0371	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	199.94	
32 93 43 00-0372	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	228.50	
32 93 43 00-0373	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	268.49	
32 93 43 00-0374	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	308.48	
32 93 43 00-0375	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	342.76	
32 93 43 00-0376	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	228.50	
32 93 43 00-0377	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	268.49	
32 93 43 00-0378	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	314.19	
32 93 43 00-0379	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	348.47	
32 93 43 00-0380	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	422.73	
32 93 43 00-0381	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	457.01	
32 93 43 00-0382	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	142.82	
32 93 43 00-0383	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	177.09	
32 93 43 00-0384	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	217.08	
32 93 43 00-0385	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	251.35	
32 93 43 00-0386	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	274.21	
32 93 43 00-0387	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	302.77	
32 93 43 00-0388	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	337.04	
32 93 43 00-0389	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	205.65	
32 93 43 00-0390	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	271.92	
32 93 43 00-0391	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	316.48	
32 93 43 00-0392	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	348.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0393	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	422.73	
32 93 43 00-0394	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	457.01	
32 93 43 00-0395	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	199.94	
32 93 43 00-0396	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	222.79	
32 93 43 00-0397	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	251.35	
32 93 43 00-0398	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	285.63	
32 93 43 00-0399	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	342.76	
32 93 43 00-0400	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	199.94	
32 93 43 00-0401	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	222.79	
32 93 43 00-0402	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	251.35	
32 93 43 00-0403	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	285.63	
32 93 43 00-0404	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	342.76	
32 93 43 00-0405	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	142.82	
32 93 43 00-0406	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	165.67	
32 93 43 00-0407	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	188.52	
32 93 43 00-0408	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	217.08	
32 93 43 00-0409	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	148.53	
32 93 43 00-0410	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	182.80	
32 93 43 00-0411	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	205.65	
32 93 43 00-0412	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	228.50	
32 93 43 00-0413	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	257.07	
32 93 43 00-0414	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	285.63	
32 93 43 00-0415	EA	2" Caliper Betula nigra - River Birch	142.82	
32 93 43 00-0416	EA	2-1/2" Caliper Betula nigra - River Birch	161.72	
32 93 43 00-0417	EA	3" Caliper Betula nigra - River Birch	182.80	
32 93 43 00-0418	EA	3-1/2" Caliper Betula nigra - River Birch	228.50	
32 93 43 00-0419	EA	4" Caliper Betula nigra - River Birch	257.07	
32 93 43 00-0420	EA	4-1/2" Caliper Betula nigra - River Birch	285.63	
32 93 43 00-0421	EA	5" Caliper Betula nigra - River Birch	314.19	
32 93 43 00-0422	EA	8' Clump Form Betula nigra - River Birch	131.39	
32 93 43 00-0423	EA	10' Clump Form Betula nigra - River Birch	148.53	
32 93 43 00-0424	EA	12' Clump Form Betula nigra - River Birch	171.38	
32 93 43 00-0425	EA	14' Clump Form Betula nigra - River Birch	199.94	
32 93 43 00-0426	EA	16' Clump Form Betula nigra - River Birch	228.50	
32 93 43 00-0427	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	171.38	
32 93 43 00-0428	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	205.65	
32 93 43 00-0429	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	239.93	
32 93 43 00-0430	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	285.63	
32 93 43 00-0431	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	297.06	
32 93 43 00-0432	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	72.26	
32 93 43 00-0433	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	85.40	
32 93 43 00-0434	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	118.25	
32 93 43 00-0435	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	153.73	
32 93 43 00-0436	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	170.81	
32 93 43 00-0437	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	202.34	
32 93 43 00-0438	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	228.50	
32 93 43 00-0439	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	257.07	
32 93 43 00-0440	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	297.06	
32 93 43 00-0441	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	359.89	
32 93 43 00-0442	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	102.83	
32 93 43 00-0443	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	142.82	
32 93 43 00-0444	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	177.09	
32 93 43 00-0445	EA	2" Caliper Catalpa speciosa - Western Catalpa	125.68	
32 93 43 00-0446	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa	171.38	
32 93 43 00-0447	EA	3" Caliper Catalpa speciosa - Western Catalpa	222.79	
32 93 43 00-0448	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa	268.49	
32 93 43 00-0449	EA	4" Caliper Catalpa speciosa - Western Catalpa	308.48	
32 93 43 00-0450	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	159.95	
32 93 43 00-0451	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	182.80	
32 93 43 00-0452	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	222.79	
32 93 43 00-0453	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	262.78	
32 93 43 00-0454	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	302.77	
32 93 43 00-0455	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	342.76	
32 93 43 00-0456	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	199.94	
32 93 43 00-0457	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	228.50	
32 93 43 00-0458	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	268.49	
32 93 43 00-0459	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	319.91	
32 93 43 00-0460	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	159.95	
32 93 43 00-0461	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	188.52	
32 93 43 00-0462	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	228.50	
32 93 43 00-0463	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	285.63	
32 93 43 00-0464	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	342.76	
32 93 43 00-0465	EA	2" Caliper Cladrastus lutea - American Yellowwood	285.63	
32 93 43 00-0466	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	342.76	
32 93 43 00-0467	EA	3" Caliper Cladrastus lutea - American Yellowwood	399.88	
32 93 43 00-0468	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	457.01	
32 93 43 00-0469	EA	2" Caliper Corylus colurna - Turkish Filbert	177.09	
32 93 43 00-0470	EA	2-1/2" Caliper Corylus colurna - Turkish Filbert	199.94	
32 93 43 00-0471	EA	3" Caliper Corylus colurna - Turkish Filbert	228.50	
32 93 43 00-0472	EA	3-1/2" Caliper Corylus colurna - Turkish Filbert	262.78	
32 93 43 00-0473	EA	4" Caliper Corylus colurna - Turkish Filbert	314.19	
32 93 43 00-0474	EA	4-1/2" Caliper Corylus colurna - Turkish Filbert	365.61	
32 93 43 00-0475	EA	5" Caliper Corylus colurna - Turkish Filbert	417.02	
32 93 43 00-0476	EA	8' Clump Form Corylus colurna - Turkish Filbert	159.95	
32 93 43 00-0477	EA	10' Clump Form Corylus colurna - Turkish Filbert	194.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0478	EA	12' Clump Form Corylus colurna - Turkish Filbert	228.50	
32 93 43 00-0479	EA	14' Clump Form Corylus colurna - Turkish Filbert	257.07	
32 93 43 00-0480	EA	16' Clump Form Corylus colurna - Turkish Filbert	285.63	
32 93 43 00-0481	EA	1-1/2" Caliper Diospyros - Persimmon	102.83	
32 93 43 00-0482	EA	2" Caliper Diospyros - Persimmon	125.68	
32 93 43 00-0483	EA	2-1/2" Caliper Diospyros - Persimmon	159.95	
32 93 43 00-0484	EA	3" Caliper Diospyros - Persimmon	199.94	
32 93 43 00-0485	EA	3-1/2" Caliper Diospyros - Persimmon	239.93	
32 93 43 00-0486	EA	1-1/2" Caliper Fagus grandifolia - American Beech	228.50	
32 93 43 00-0487	EA	2" Caliper Fagus grandifolia - American Beech	297.06	
32 93 43 00-0488	EA	2-1/2" Caliper Fagus grandifolia - American Beech	377.03	
32 93 43 00-0489	EA	3" Caliper Fagus grandifolia - American Beech	457.01	
32 93 43 00-0490	EA	3-1/2" Caliper Fagus grandifolia - American Beech	542.70	
32 93 43 00-0491	EA	2" Caliper Fagus sylvatica & cvs - European Beech	257.07	
32 93 43 00-0492	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	308.48	
32 93 43 00-0493	EA	3" Caliper Fagus sylvatica & cvs - European Beech	371.32	
32 93 43 00-0494	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	411.31	
32 93 43 00-0495	EA	4" Caliper Fagus sylvatica & cvs - European Beech	485.57	
32 93 43 00-0496	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	628.39	
32 93 43 00-0497	EA	5" Caliper Fagus sylvatica & cvs - European Beech	742.64	
32 93 43 00-0498	EA	2" Caliper Fraxinus americana & cvs - White Ash	142.82	
32 93 43 00-0499	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	171.38	
32 93 43 00-0500	EA	3" Caliper Fraxinus americana & cvs - White Ash	217.08	
32 93 43 00-0501	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	262.78	
32 93 43 00-0502	EA	4" Caliper Fraxinus americana & cvs - White Ash	308.48	
32 93 43 00-0503	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	342.76	
32 93 43 00-0504	EA	5" Caliper Fraxinus americana & cvs - White Ash	399.88	
32 93 43 00-0505	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	125.68	
32 93 43 00-0506	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	148.53	
32 93 43 00-0507	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	199.94	
32 93 43 00-0508	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	239.93	
32 93 43 00-0509	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	285.63	
32 93 43 00-0510	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	308.48	
32 93 43 00-0511	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	342.76	
32 93 43 00-0512	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	171.38	
32 93 43 00-0513	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	211.37	
32 93 43 00-0514	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	257.07	
32 93 43 00-0515	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	314.19	
32 93 43 00-0516	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	371.32	
32 93 43 00-0517	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	199.94	
32 93 43 00-0518	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	222.79	
32 93 43 00-0519	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	251.35	
32 93 43 00-0520	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	279.92	
32 93 43 00-0521	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	314.19	
32 93 43 00-0522	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	342.76	
32 93 43 00-0523	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	514.13	
32 93 43 00-0524	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	571.26	
32 93 43 00-0525	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	137.10	
32 93 43 00-0526	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	171.38	
32 93 43 00-0527	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	205.65	
32 93 43 00-0528	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	239.93	
32 93 43 00-0529	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	274.21	
32 93 43 00-0530	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	308.48	
32 93 43 00-0531	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	365.61	
32 93 43 00-0532	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	177.09	
32 93 43 00-0533	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	217.08	
32 93 43 00-0534	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	257.07	
32 93 43 00-0535	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	302.77	
32 93 43 00-0536	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	342.76	
32 93 43 00-0537	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	382.74	
32 93 43 00-0538	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	428.45	
32 93 43 00-0539	EA	1-1/2" Caliper Juglans cinerea - Butternut	137.10	
32 93 43 00-0540	EA	2" Caliper Juglans cinerea - Butternut	159.95	
32 93 43 00-0541	EA	2-1/2" Caliper Juglans cinerea - Butternut	199.94	
32 93 43 00-0542	EA	3" Caliper Juglans cinerea - Butternut	251.35	
32 93 43 00-0543	EA	3-1/2" Caliper Juglans cinerea - Butternut	308.48	
32 93 43 00-0544	EA	1-1/2" Caliper Juglans californica - California Walnut	137.10	
32 93 43 00-0545	EA	2" Caliper Juglans californica - California Walnut	159.95	
32 93 43 00-0546	EA	2-1/2" Caliper Juglans californica - California Walnut	199.94	
32 93 43 00-0547	EA	3" Caliper Juglans californica - California Walnut	251.35	
32 93 43 00-0548	EA	3-1/2" Caliper Juglans californica - California Walnut	308.48	
32 93 43 00-0549	EA	4" Caliper Juglans californica - California Walnut	371.32	
32 93 43 00-0550	EA	4-1/2" Caliper Juglans californica - California Walnut	428.45	
32 93 43 00-0551	EA	5" Caliper Juglans californica - California Walnut	485.57	
32 93 43 00-0552	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	15.47	
32 93 43 00-0553	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	38.66	
32 93 43 00-0554	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	77.33	
32 93 43 00-0555	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	100.53	
32 93 43 00-0556	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	73.46	
32 93 43 00-0557	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	88.93	
32 93 43 00-0558	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	123.73	
32 93 43 00-0559	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	182.80	
32 93 43 00-0560	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	228.50	
32 93 43 00-0561	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	285.63	
32 93 43 00-0562	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	342.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0563	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	399.88	
32 93 43 00-0564	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	182.80	
32 93 43 00-0565	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	251.35	
32 93 43 00-0566	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	297.06	
32 93 43 00-0567	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	342.76	
32 93 43 00-0568	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	388.46	
32 93 43 00-0569	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	137.10	
32 93 43 00-0570	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	245.64	
32 93 43 00-0571	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	297.06	
32 93 43 00-0572	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	182.80	
32 93 43 00-0573	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	228.50	
32 93 43 00-0574	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	285.63	
32 93 43 00-0575	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	342.76	
32 93 43 00-0576	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	399.88	
32 93 43 00-0577	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	79.98	
32 93 43 00-0578	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	91.40	
32 93 43 00-0579	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	108.54	
32 93 43 00-0580	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	137.10	
32 93 43 00-0581	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	171.38	
32 93 43 00-0582	EA	2" Caliper Ostrya virginiana - American Hophornbeam	148.53	
32 93 43 00-0583	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	188.52	
32 93 43 00-0584	EA	3" Caliper Ostrya virginiana - American Hophornbeam	228.50	
32 93 43 00-0585	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	268.49	
32 93 43 00-0586	EA	4" Caliper Ostrya virginiana - American Hophornbeam	325.62	
32 93 43 00-0587	EA	2" Caliper Phellodendron amurense - Amur Corktree	114.25	
32 93 43 00-0588	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	142.82	
32 93 43 00-0589	EA	3" Caliper Phellodendron amurense - Amur Corktree	171.38	
32 93 43 00-0590	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	199.94	
32 93 43 00-0591	EA	4" Caliper Phellodendron amurense - Amur Corktree	228.50	
32 93 43 00-0592	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	257.07	
32 93 43 00-0593	EA	5" Caliper Phellodendron amurense - Amur Corktree	285.63	
32 93 43 00-0594	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	248.18	
32 93 43 00-0595	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	361.00	
32 93 43 00-0596	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	537.01	
32 93 43 00-0597	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	83.04	
32 93 43 00-0598	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	99.28	
32 93 43 00-0599	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	135.37	
32 93 43 00-0600	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	164.28	
32 93 43 00-0601	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	68.32	
32 93 43 00-0602	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	85.40	
32 93 43 00-0603	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	151.10	
32 93 43 00-0604	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	216.79	
32 93 43 00-0605	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	137.10	
32 93 43 00-0606	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	165.67	
32 93 43 00-0607	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	199.94	
32 93 43 00-0608	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	239.93	
32 93 43 00-0609	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	285.63	
32 93 43 00-0610	EA	2" Caliper Populus alba & cvs - White Poplar	137.10	
32 93 43 00-0611	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	159.95	
32 93 43 00-0612	EA	3" Caliper Populus alba & cvs - White Poplar	182.80	
32 93 43 00-0613	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	217.08	
32 93 43 00-0614	EA	4" Caliper Populus alba & cvs - White Poplar	239.93	
32 93 43 00-0615	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	274.21	
32 93 43 00-0616	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	125.68	
32 93 43 00-0617	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	165.67	
32 93 43 00-0618	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	199.94	
32 93 43 00-0619	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	239.93	
32 93 43 00-0620	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	285.63	
32 93 43 00-0621	EA	6' To 8' Quercus acutissima - Sawtooth Oak	42.96	
32 93 43 00-0622	EA	8' To 10' Quercus acutissima - Sawtooth Oak	64.44	
32 93 43 00-0623	EA	10' To 12' Quercus acutissima - Sawtooth Oak	75.18	
32 93 43 00-0624	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	85.92	
32 93 43 00-0625	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	96.66	
32 93 43 00-0626	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	340.25	
32 93 43 00-0627	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	458.55	
32 93 43 00-0628	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	620.16	
32 93 43 00-0629	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	827.76	
32 93 43 00-0630	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	998.56	
32 93 43 00-0631	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,103.68	
32 93 43 00-0632	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,484.71	
32 93 43 00-0633	EA	6-1/2" To 7" Caliper Quercus Virginiana - Live Oak	1,865.74	
32 93 43 00-0634	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,246.77	
32 93 43 00-0635	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,726.34	
32 93 43 00-0636	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,205.92	
32 93 43 00-0637	EA	2" Caliper Quercus alba - White Oak	171.38	
32 93 43 00-0638	EA	2-1/2" Caliper Quercus alba - White Oak	199.94	
32 93 43 00-0639	EA	3" Caliper Quercus alba - White Oak	251.35	
32 93 43 00-0640	EA	3-1/2" Caliper Quercus alba - White Oak	314.19	
32 93 43 00-0641	EA	4" Caliper Quercus alba - White Oak	371.32	
32 93 43 00-0642	EA	4-1/2" Caliper Quercus alba - White Oak	457.01	
32 93 43 00-0643	EA	5" Caliper Quercus alba - White Oak	542.70	
32 93 43 00-0644	EA	2" Caliper Quercus bicolor - Swamp White Oak	199.94	
32 93 43 00-0645	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	228.50	
32 93 43 00-0646	EA	3" Caliper Quercus bicolor - Swamp White Oak	262.78	
32 93 43 00-0647	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	291.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0648	EA	4" Caliper Quercus bicolor - Swamp White Oak	331.33	
32 93 43 00-0649	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	365.61	
32 93 43 00-0650	EA	5" Caliper Quercus bicolor - Swamp White Oak	411.31	
32 93 43 00-0651	EA	10' Clump Form Quercus bicolor - Swamp White Oak	285.63	
32 93 43 00-0652	EA	12' Clump Form Quercus bicolor - Swamp White Oak	342.76	
32 93 43 00-0653	EA	14' Clump Form Quercus bicolor - Swamp White Oak	399.88	
32 93 43 00-0654	EA	16' Clump Form Quercus bicolor - Swamp White Oak	457.01	
32 93 43 00-0655	EA	2" Caliper Quercus coccinea - Scarlet Oak	148.53	
32 93 43 00-0656	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	188.52	
32 93 43 00-0657	EA	3" Caliper Quercus coccinea - Scarlet Oak	234.22	
32 93 43 00-0658	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	285.63	
32 93 43 00-0659	EA	4" Caliper Quercus coccinea - Scarlet Oak	342.76	
32 93 43 00-0660	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	405.60	
32 93 43 00-0661	EA	5" Caliper Quercus coccinea - Scarlet Oak	474.15	
32 93 43 00-0662	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	148.53	
32 93 43 00-0663	EA	2" Caliper Quercus imbricaria - Shingle Oak	199.94	
32 93 43 00-0664	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	268.49	
32 93 43 00-0665	EA	3" Caliper Quercus imbricaria - Shingle Oak	399.88	
32 93 43 00-0666	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	542.70	
32 93 43 00-0667	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	148.53	
32 93 43 00-0668	EA	2" Caliper Quercus macrocarpa - Bur Oak	177.09	
32 93 43 00-0669	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	211.37	
32 93 43 00-0670	EA	3" Caliper Quercus macrocarpa - Bur Oak	257.07	
32 93 43 00-0671	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	314.19	
32 93 43 00-0672	EA	4" Caliper Quercus macrocarpa - Bur Oak	371.32	
32 93 43 00-0673	EA	9' Clump Form Quercus macrocarpa - Bur Oak	342.76	
32 93 43 00-0674	EA	10' Clump Form Quercus macrocarpa - Bur Oak	399.88	
32 93 43 00-0675	EA	12' Clump Form Quercus macrocarpa - Bur Oak	457.01	
32 93 43 00-0676	EA	2" Caliper Quercus palustris - Pin Oak	125.68	
32 93 43 00-0677	EA	2-1/2" Caliper Quercus palustris - Pin Oak	171.38	
32 93 43 00-0678	EA	3" Caliper Quercus palustris - Pin Oak	222.79	
32 93 43 00-0679	EA	3-1/2" Caliper Quercus palustris - Pin Oak	257.07	
32 93 43 00-0680	EA	4" Caliper Quercus palustris - Pin Oak	297.06	
32 93 43 00-0681	EA	4-1/2" Caliper Quercus palustris - Pin Oak	337.04	
32 93 43 00-0682	EA	5" Caliper Quercus palustris - Pin Oak	371.32	
32 93 43 00-0683	EA	2" Caliper Quercus robur & cvs - English Oak	148.53	
32 93 43 00-0684	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	182.80	
32 93 43 00-0685	EA	3" Caliper Quercus robur & cvs - English Oak	217.08	
32 93 43 00-0686	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	257.07	
32 93 43 00-0687	EA	4" Caliper Quercus robur & cvs - English Oak	297.06	
32 93 43 00-0688	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	342.76	
32 93 43 00-0689	EA	5" Caliper Quercus robur & cvs - English Oak	388.46	
32 93 43 00-0690	EA	2" Caliper Quercus rubra - Red Oak	171.38	
32 93 43 00-0691	EA	2-1/2" Caliper Quercus rubra - Red Oak	199.94	
32 93 43 00-0692	EA	3" Caliper Quercus rubra - Red Oak	239.93	
32 93 43 00-0693	EA	3-1/2" Caliper Quercus rubra - Red Oak	285.63	
32 93 43 00-0694	EA	4" Caliper Quercus rubra - Red Oak	342.76	
32 93 43 00-0695	EA	4-1/2" Caliper Quercus rubra - Red Oak	399.88	
32 93 43 00-0696	EA	5" Caliper Quercus rubra - Red Oak	457.01	
32 93 43 00-0697	EA	16' Clump Form Quercus rubra - Red Oak	371.32	
32 93 43 00-0698	EA	18' Clump Form Quercus rubra - Red Oak	445.58	
32 93 43 00-0699	EA	20' Clump Form Quercus rubra - Red Oak	497.00	
32 93 43 00-0700	EA	2" Caliper Quercus shumardii - Shumard Oak	194.23	
32 93 43 00-0701	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	245.64	
32 93 43 00-0702	EA	3" Caliper Quercus shumardii - Shumard Oak	285.63	
32 93 43 00-0703	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	342.76	
32 93 43 00-0704	EA	4" Caliper Quercus shumardii - Shumard Oak	399.88	
32 93 43 00-0705	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	457.01	
32 93 43 00-0706	EA	5" Caliper Quercus shumardii - Shumard Oak	514.13	
32 93 43 00-0707	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	171.38	
32 93 43 00-0708	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	205.65	
32 93 43 00-0709	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	257.07	
32 93 43 00-0710	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	314.19	
32 93 43 00-0711	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	365.61	
32 93 43 00-0712	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	411.31	
32 93 43 00-0713	EA	24" Box Salix babylonica - Weeping Willow	144.39	
32 93 43 00-0714	EA	36" Box Salix babylonica - Weeping Willow	361.00	
32 93 43 00-0715	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	83.04	
32 93 43 00-0716	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	99.28	
32 93 43 00-0717	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	108.30	
32 93 43 00-0718	EA	2" Caliper Salix alba & cvs - White Willow	91.40	
32 93 43 00-0719	EA	2-1/2" Caliper Salix alba & cvs - White Willow	108.54	
32 93 43 00-0720	EA	3" Caliper Salix alba & cvs - White Willow	142.82	
32 93 43 00-0721	EA	3-1/2" Caliper Salix alba & cvs - White Willow	171.38	
32 93 43 00-0722	EA	4" Caliper Salix alba & cvs - White Willow	205.65	
32 93 43 00-0723	EA	4-1/2" Caliper Salix alba & cvs - White Willow	239.93	
32 93 43 00-0724	EA	5" Caliper Salix alba & cvs - White Willow	274.21	
32 93 43 00-0725	EA	5' Clump Form Sassafras albidum - Common Sassafras	108.54	
32 93 43 00-0726	EA	6' Clump Form Sassafras albidum - Common Sassafras	131.39	
32 93 43 00-0727	EA	7' Clump Form Sassafras albidum - Common Sassafras	165.67	
32 93 43 00-0728	EA	8' Clump Form Sassafras albidum - Common Sassafras	188.52	
32 93 43 00-0729	EA	10' Clump Form Sassafras albidum - Common Sassafras	211.37	
32 93 43 00-0730	EA	12' Clump Form Sassafras albidum - Common Sassafras	257.07	
32 93 43 00-0731	EA	14' Clump Form Sassafras albidum - Common Sassafras	314.19	
32 93 43 00-0732	EA	16' Clump Form Sassafras albidum - Common Sassafras	371.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0733	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	189.20	
32 93 43 00-0734	EA	2" Caliper Sophora japonica - Chinese Scholar	210.22	
32 93 43 00-0735	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	282.49	
32 93 43 00-0736	EA	3" Caliper Sophora japonica - Chinese Scholar	367.89	
32 93 43 00-0737	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	427.02	
32 93 43 00-0738	EA	10' To 12' Swietenia Mahagoni - Mahogany	101.17	
32 93 43 00-0739	EA	12' To 14' Swietenia Mahagoni - Mahogany	118.25	
32 93 43 00-0740	EA	14' To 16' Swietenia Mahagoni - Mahogany	157.67	
32 93 43 00-0741	EA	16' To 18' Swietenia Mahagoni - Mahogany	177.38	
32 93 43 00-0742	EA	2" Caliper Taxodium distichum - Common Bald Cypress	142.82	
32 93 43 00-0743	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	165.67	
32 93 43 00-0744	EA	3" Caliper Taxodium distichum - Common Bald Cypress	199.94	
32 93 43 00-0745	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	228.50	
32 93 43 00-0746	EA	4" Caliper Taxodium distichum - Common Bald Cypress	251.35	
32 93 43 00-0747	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	125.68	
32 93 43 00-0748	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	142.82	
32 93 43 00-0749	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	205.65	
32 93 43 00-0750	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	228.50	
32 93 43 00-0751	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	257.07	
32 93 43 00-0752	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	297.06	
32 93 43 00-0753	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	342.76	
32 93 43 00-0754	EA	2' Thuja occidentalis - American Arborviatae	19.58	
32 93 43 00-0755	EA	2-1/2' Thuja occidentalis - American Arborviatae	21.15	
32 93 43 00-0756	EA	3' Thuja occidentalis - American Arborviatae	30.22	
32 93 43 00-0757	EA	4' Thuja occidentalis - American Arborviatae	41.52	
32 93 43 00-0758	EA	5' Thuja occidentalis - American Arborviatae	57.81	
32 93 43 00-0759	EA	6' Thuja occidentalis - American Arborviatae	80.15	
32 93 43 00-0760	EA	7' Thuja occidentalis - American Arborviatae	97.23	
32 93 43 00-0761	EA	8' Thuja occidentalis - American Arborviatae	136.65	
32 93 43 00-0762	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	142.82	
32 93 43 00-0763	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	165.67	
32 93 43 00-0764	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	211.37	
32 93 43 00-0765	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	245.64	
32 93 43 00-0766	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	279.92	
32 93 43 00-0767	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	314.19	
32 93 43 00-0768	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	342.76	
32 93 43 00-0769	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	182.80	
32 93 43 00-0770	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	199.94	
32 93 43 00-0771	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	228.50	
32 93 43 00-0772	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	262.78	
32 93 43 00-0773	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	143.67	
32 93 43 00-0774	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	173.55	
32 93 43 00-0775	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	199.94	
32 93 43 00-0776	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	245.64	
32 93 43 00-0777	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	279.92	
32 93 43 00-0778	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	314.19	
32 93 43 00-0779	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	348.47	
32 93 43 00-0780	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	159.95	
32 93 43 00-0781	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	177.09	
32 93 43 00-0782	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	194.23	
32 93 43 00-0783	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	217.08	
32 93 43 00-0784	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	251.35	
32 93 43 00-0785	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	297.06	
32 93 43 00-0786	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	388.46	
32 93 43 00-0787	EA	2" Caliper Tilia x euchlora - Crimean Linden	159.95	
32 93 43 00-0788	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	205.65	
32 93 43 00-0789	EA	3" Caliper Tilia x euchlora - Crimean Linden	251.35	
32 93 43 00-0790	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	285.63	
32 93 43 00-0791	EA	4" Caliper Tilia x euchlora - Crimean Linden	319.91	
32 93 43 00-0792	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	359.89	
32 93 43 00-0793	EA	5" Caliper Tilia x euchlora - Crimean Linden	388.46	
32 93 43 00-0794	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	159.95	
32 93 43 00-0795	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	182.80	
32 93 43 00-0796	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	199.94	
32 93 43 00-0797	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	217.08	
32 93 43 00-0798	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	239.93	
32 93 43 00-0799	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	285.63	
32 93 43 00-0800	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	337.04	
32 93 43 00-0801	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	182.80	
32 93 43 00-0802	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	199.94	
32 93 43 00-0803	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	217.08	
32 93 43 00-0804	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	239.93	
32 93 43 00-0805	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	285.63	
32 93 43 00-0806	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	337.04	
32 93 43 00-0807	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	388.46	
32 93 43 00-0808	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	182.80	
32 93 43 00-0809	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	199.94	
32 93 43 00-0810	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	217.08	
32 93 43 00-0811	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	239.93	
32 93 43 00-0812	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	285.63	
32 93 43 00-0813	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	337.04	
32 93 43 00-0814	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	388.46	
32 93 43 00-0815	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	88.41	
32 93 43 00-0816	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	108.30	
32 93 43 00-0817	EA	2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree	137.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0818		**Evergreen Trees** *(32 93 43)* Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0819	EA	6' Abies balsamea - Balsam Fir	139.70	
32 93 43 00-0820	EA	7' Abies balsamea - Balsam Fir	174.62	
32 93 43 00-0821	EA	8' Abies balsamea - Balsam Fir	209.54	
32 93 43 00-0822	EA	9' Abies balsamea - Balsam Fir	279.39	
32 93 43 00-0823	EA	10' Abies balsamea - Balsam Fir	349.24	
32 93 43 00-0824	EA	12' Abies balsamea - Balsam Fir	419.09	
32 93 43 00-0825	EA	6' Abies concolor - White Fir	202.56	
32 93 43 00-0826	EA	7' Abies concolor - White Fir	230.50	
32 93 43 00-0827	EA	8' Abies concolor - White Fir	272.41	
32 93 43 00-0828	EA	9' Abies concolor - White Fir	314.32	
32 93 43 00-0829	EA	10' Abies concolor - White Fir	370.19	
32 93 43 00-0830	EA	12' Abies concolor - White Fir	454.01	
32 93 43 00-0831	EA	14' Abies concolor - White Fir	558.78	
32 93 43 00-0832	EA	16' Abies concolor - White Fir	628.63	
32 93 43 00-0833	EA	6' Abies fraseri - Frasier Fir	139.70	
32 93 43 00-0834	EA	7' Abies fraseri - Frasier Fir	174.62	
32 93 43 00-0835	EA	8' Abies fraseri - Frasier Fir	209.54	
32 93 43 00-0836	EA	9' Abies fraseri - Frasier Fir	279.39	
32 93 43 00-0837	EA	10' Abies fraseri - Frasier Fir	349.24	
32 93 43 00-0838	EA	12' Abies fraseri - Frasier Fir	419.09	
32 93 43 00-0839	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	25.16	
32 93 43 00-0840	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	40.45	
32 93 43 00-0841	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	60.09	
32 93 43 00-0842	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	80.84	
32 93 43 00-0843	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	114.77	
32 93 43 00-0844	EA	6' To 8' Cedrus deodara - Indian Cedar	103.85	
32 93 43 00-0845	EA	8' To 10' Cedrus deodara - Indian Cedar	120.24	
32 93 43 00-0846	EA	10' To 12' Cedrus deodara - Indian Cedar	163.94	
32 93 43 00-0847	EA	12' To 14' Cedrus deodara - Indian Cedar	213.11	
32 93 43 00-0848	EA	14' To 16' Cedrus deodara - Indian Cedar	273.25	
32 93 43 00-0849	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	32.46	
32 93 43 00-0850	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	48.69	
32 93 43 00-0851	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	75.74	
32 93 43 00-0852	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	129.85	
32 93 43 00-0853	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	39.34	
32 93 43 00-0854	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	61.25	
32 93 43 00-0855	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	76.48	
32 93 43 00-0856	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	109.31	
32 93 43 00-0857	EA	1 Gallon Cleyera japonica - Japanese Cleyera	4.43	
32 93 43 00-0858	EA	3 Gallon Cleyera japonica - Japanese Cleyera	11.11	
32 93 43 00-0859	EA	7 Gallon Cleyera japonica - Japanese Cleyera	31.82	
32 93 43 00-0860	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	17.86	
32 93 43 00-0861	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	71.44	
32 93 43 00-0862	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	31.25	
32 93 43 00-0863	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	40.18	
32 93 43 00-0864	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	62.51	
32 93 43 00-0865	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	151.81	
32 93 43 00-0866	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.26	
32 93 43 00-0867	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	14.66	
32 93 43 00-0868	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	48.85	
32 93 43 00-0869	EA	5 Gallon Cupressus sempervirens - Italian Cypress	16.81	
32 93 43 00-0870	EA	15 Gallon Cupressus sempervirens - Italian Cypress	46.22	
32 93 43 00-0871	EA	1 Gallon Illicium anisatum - Anise Tree	4.80	
32 93 43 00-0872	EA	3 Gallon Illicium anisatum - Anise Tree	11.11	
32 93 43 00-0873	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	4.94	
32 93 43 00-0874	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	9.66	
32 93 43 00-0875	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	11.98	
32 93 43 00-0876	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	14.08	
32 93 43 00-0877	EA	1 Gallon Juniperus - Blue Sargent Juniper	4.94	
32 93 43 00-0878	EA	2 Gallon Juniperus - Blue Sargent Juniper	9.66	
32 93 43 00-0879	EA	3 Gallon Juniperus - Blue Sargent Juniper	11.98	
32 93 43 00-0880	EA	5 Gallon Juniperus - Blue Sargent Juniper	14.08	
32 93 43 00-0881	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	14.08	
32 93 43 00-0882	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	15.23	
32 93 43 00-0883	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	18.38	
32 93 43 00-0884	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	27.31	
32 93 43 00-0885	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	31.62	
32 93 43 00-0886	EA	5' To 6' Juniperus - Fairview Juniper	47.10	
32 93 43 00-0887	EA	1 Gallon Juniperus - Hollywood Juniper	6.30	
32 93 43 00-0888	EA	5 Gallon Juniperus - Hollywood Juniper	17.54	
32 93 43 00-0889	EA	15 Gallon Juniperus - Hollywood Juniper	74.38	
32 93 43 00-0890	EA	4' To 5' Juniperus - Hollywood Juniper	49.17	
32 93 43 00-0891	EA	5' To 6' Juniperus - Hollywood Juniper	63.35	
32 93 43 00-0892	EA	1 Gallon Juniperus - Parson's Juniper	4.94	
32 93 43 00-0893	EA	2 Gallon Juniperus - Parson's Juniper	9.77	
32 93 43 00-0894	EA	3 Gallon Juniperus - Parson's Juniper	12.08	
32 93 43 00-0895	EA	5 Gallon Juniperus - Parson's Juniper	14.29	
32 93 43 00-0896	EA	5 Gallon Juniperus - Skyrocket Juniper	17.65	
32 93 43 00-0897	EA	15 Gallon Juniperus - Skyrocket Juniper	75.11	
32 93 43 00-0898	EA	2' To 3' Juniperus - Skyrocket Juniper	26.47	
32 93 43 00-0899	EA	3' To 4' Juniperus - Skyrocket Juniper	37.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0900	EA	4' To 5' Juniperus - Skyrocket Juniper	49.69	
32 93 43 00-0901	EA	5' To 6' Juniperus - Skyrocket Juniper	64.08	
32 93 43 00-0902	EA	6' To 8' Juniperus - Skyrocket Juniper	82.78	
32 93 43 00-0903	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.94	
32 93 43 00-0904	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	9.72	
32 93 43 00-0905	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	11.92	
32 93 43 00-0906	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	14.13	
32 93 43 00-0907	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.94	
32 93 43 00-0908	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	9.72	
32 93 43 00-0909	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	11.92	
32 93 43 00-0910	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	14.13	
32 93 43 00-0911	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	26.47	
32 93 43 00-0912	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	37.50	
32 93 43 00-0913	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	49.69	
32 93 43 00-0914	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	64.08	
32 93 43 00-0915	EA	5' Picea abies & cvs - Norway Spruce	153.67	
32 93 43 00-0916	EA	6' Picea abies & cvs - Norway Spruce	174.62	
32 93 43 00-0917	EA	7' Picea abies & cvs - Norway Spruce	209.54	
32 93 43 00-0918	EA	8' Picea abies & cvs - Norway Spruce	244.47	
32 93 43 00-0919	EA	9' Picea abies & cvs - Norway Spruce	328.28	
32 93 43 00-0920	EA	10' Picea abies & cvs - Norway Spruce	398.13	
32 93 43 00-0921	EA	12' Picea abies & cvs - Norway Spruce	488.93	
32 93 43 00-0922	EA	14' Picea abies & cvs - Norway Spruce	593.71	
32 93 43 00-0923	EA	6' Picea glauca - White Spruce	146.68	
32 93 43 00-0924	EA	7' Picea glauca - White Spruce	209.54	
32 93 43 00-0925	EA	8' Picea glauca - White Spruce	244.47	
32 93 43 00-0926	EA	9' Picea glauca - White Spruce	293.36	
32 93 43 00-0927	EA	10' Picea glauca - White Spruce	349.24	
32 93 43 00-0928	EA	12' Picea glauca - White Spruce	419.09	
32 93 43 00-0929	EA	4' Picea glauca densata - Black Hills Spruce	83.82	
32 93 43 00-0930	EA	5' Picea glauca densata - Black Hills Spruce	125.73	
32 93 43 00-0931	EA	6' Picea glauca densata - Black Hills Spruce	188.59	
32 93 43 00-0932	EA	7' Picea glauca densata - Black Hills Spruce	223.51	
32 93 43 00-0933	EA	8' Picea glauca densata - Black Hills Spruce	258.44	
32 93 43 00-0934	EA	9' Picea glauca densata - Black Hills Spruce	286.38	
32 93 43 00-0935	EA	10' Picea glauca densata - Black Hills Spruce	314.32	
32 93 43 00-0936	EA	6' Picea omorika & cvs - Serbian Spruce	188.59	
32 93 43 00-0937	EA	7' Picea omorika & cvs - Serbian Spruce	209.54	
32 93 43 00-0938	EA	8' Picea omorika & cvs - Serbian Spruce	251.45	
32 93 43 00-0939	EA	9' Picea omorika & cvs - Serbian Spruce	293.36	
32 93 43 00-0940	EA	10' Picea omorika & cvs - Serbian Spruce	335.27	
32 93 43 00-0941	EA	5' Picea pungens - Colorado Green Spruce	153.67	
32 93 43 00-0942	EA	6' Picea pungens - Colorado Green Spruce	195.57	
32 93 43 00-0943	EA	7' Picea pungens - Colorado Green Spruce	230.50	
32 93 43 00-0944	EA	8' Picea pungens - Colorado Green Spruce	265.42	
32 93 43 00-0945	EA	9' Picea pungens - Colorado Green Spruce	307.33	
32 93 43 00-0946	EA	10' Picea pungens - Colorado Green Spruce	579.74	
32 93 43 00-0947	EA	12' Picea pungens - Colorado Green Spruce	419.09	
32 93 43 00-0948	EA	14' Picea pungens - Colorado Green Spruce	488.93	
32 93 43 00-0949	EA	16' Picea pungens - Colorado Green Spruce	628.63	
32 93 43 00-0950	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	153.67	
32 93 43 00-0951	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	209.54	
32 93 43 00-0952	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	244.47	
32 93 43 00-0953	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	279.39	
32 93 43 00-0954	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	314.32	
32 93 43 00-0955	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	384.16	
32 93 43 00-0956	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	488.93	
32 93 43 00-0957	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	733.40	
32 93 43 00-0958	EA	4' Pinus cembra - Swiss Stone Pine	118.74	
32 93 43 00-0959	EA	5' Pinus cembra - Swiss Stone Pine	146.68	
32 93 43 00-0960	EA	6' Pinus cembra - Swiss Stone Pine	181.60	
32 93 43 00-0961	EA	6' Pinus flexilis & cvs - Limber Pine	174.62	
32 93 43 00-0962	EA	7' Pinus flexilis & cvs - Limber Pine	202.56	
32 93 43 00-0963	EA	8' Pinus flexilis & cvs - Limber Pine	251.45	
32 93 43 00-0964	EA	9' Pinus flexilis & cvs - Limber Pine	307.33	
32 93 43 00-0965	EA	10' Pinus flexilis & cvs - Limber Pine	349.24	
32 93 43 00-0966	EA	1 Gallon Pinus mugo - Mugho Pine	6.51	
32 93 43 00-0967	EA	2 Gallon Pinus mugo - Mugho Pine	13.76	
32 93 43 00-0968	EA	3 Gallon Pinus mugo - Mugho Pine	17.23	
32 93 43 00-0969	EA	5 Gallon Pinus mugo - Mugho Pine	21.85	
32 93 43 00-0970	EA	12" To 15" Spread Pinus mugo - Mugho Pine	16.91	
32 93 43 00-0971	EA	15" To 18" Spread Pinus mugo - Mugho Pine	20.17	
32 93 43 00-0972	EA	18" To 24" Spread Pinus mugo - Mugho Pine	27.31	
32 93 43 00-0973	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	38.24	
32 93 43 00-0974	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	49.17	
32 93 43 00-0975	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	61.25	
32 93 43 00-0976	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	74.38	
32 93 43 00-0977	EA	6' Pinus nigra - Austrian Pine	174.62	
32 93 43 00-0978	EA	7' Pinus nigra - Austrian Pine	209.54	
32 93 43 00-0979	EA	8' Pinus nigra - Austrian Pine	272.41	
32 93 43 00-0980	EA	9' Pinus nigra - Austrian Pine	314.32	
32 93 43 00-0981	EA	10' Pinus nigra - Austrian Pine	370.19	
32 93 43 00-0982	EA	12' Pinus nigra - Austrian Pine	419.09	
32 93 43 00-0983	EA	14' Pinus nigra - Austrian Pine	467.98	
32 93 43 00-0984	EA	16' Pinus nigra - Austrian Pine	530.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0985	EA	5' Pinus peuce - Macedonian Pine	216.53	
32 93 43 00-0986	EA	6' Pinus peuce - Macedonian Pine	272.41	
32 93 43 00-0987	EA	7' Pinus peuce - Macedonian Pine	314.32	
32 93 43 00-0988	EA	8' Pinus peuce - Macedonian Pine	356.22	
32 93 43 00-0989	EA	9' Pinus peuce - Macedonian Pine	412.10	
32 93 43 00-0990	EA	2' Pinus strobus - Pyramidal White Pine	19.34	
32 93 43 00-0991	EA	3' Pinus strobus - Pyramidal White Pine	25.85	
32 93 43 00-0992	EA	4' Pinus strobus - Pyramidal White Pine	28.52	
32 93 43 00-0993	EA	5' Pinus strobus - Pyramidal White Pine	31.18	
32 93 43 00-0994	EA	6' Pinus strobus - Pyramidal White Pine	38.85	
32 93 43 00-0995	EA	7' Pinus strobus - Pyramidal White Pine	51.69	
32 93 43 00-0996	EA	8' Pinus strobus - Pyramidal White Pine	71.04	
32 93 43 00-0997	EA	10' Pinus strobus - Pyramidal White Pine	141.74	
32 93 43 00-0998	EA	12' Pinus strobus - Pyramidal White Pine	336.84	
32 93 43 00-0999	EA	14' Pinus strobus - Pyramidal White Pine	451.91	
32 93 43 00-1000	EA	16' Pinus strobus - Pyramidal White Pine	543.62	
32 93 43 00-1001	EA	2' Pinus strobus - White Pine	29.72	
32 93 43 00-1002	EA	3' Pinus strobus - White Pine	42.41	
32 93 43 00-1003	EA	4' Pinus strobus - White Pine	67.63	
32 93 43 00-1004	EA	5' Pinus strobus - White Pine	96.39	
32 93 43 00-1005	EA	6' Pinus strobus - White Pine	141.37	
32 93 43 00-1006	EA	7' Pinus strobus - White Pine	168.68	
32 93 43 00-1007	EA	8' Pinus strobus - White Pine	228.12	
32 93 43 00-1008	EA	10' Pinus strobus - White Pine	306.84	
32 93 43 00-1009	EA	12' Pinus strobus - White Pine	406.44	
32 93 43 00-1010	EA	14' Pinus strobus - White Pine	498.02	
32 93 43 00-1011	EA	16' Pinus strobus - White Pine	605.65	
32 93 43 00-1012	EA	3' Pinus sylvestris - Scotch Pine	45.89	
32 93 43 00-1013	EA	4' Pinus sylvestris - Scotch Pine	63.70	
32 93 43 00-1014	EA	5' Pinus sylvestris - Scotch Pine	89.41	
32 93 43 00-1015	EA	6' Pinus sylvestris - Scotch Pine	124.05	
32 93 43 00-1016	EA	7' Pinus sylvestris - Scotch Pine	151.99	
32 93 43 00-1017	EA	8' Pinus sylvestris - Scotch Pine	214.57	
32 93 43 00-1018	EA	9' Pinus sylvestris - Scotch Pine	272.41	
32 93 43 00-1019	EA	10' Pinus sylvestris - Scotch Pine	314.32	
32 93 43 00-1020	EA	12' Pinus sylvestris - Scotch Pine	370.19	
32 93 43 00-1021	EA	14' Pinus sylvestris - Scotch Pine	419.09	
32 93 43 00-1022	EA	16' Pinus sylvestris - Scotch Pine	488.93	
32 93 43 00-1023	EA	5' To 6' Pinus taeda - Loblolly Pine	19.97	
32 93 43 00-1024	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	4.94	
32 93 43 00-1025	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	17.54	
32 93 43 00-1026	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	56.84	
32 93 43 00-1027	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	24.06	
32 93 43 00-1028	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	30.57	
32 93 43 00-1029	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	45.91	
32 93 43 00-1030	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	89.61	
32 93 43 00-1031	EA	6' To 7' Pinus thunbergiana - Japanese Black Pine	100.54	
32 93 43 00-1032	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	125.65	
32 93 43 00-1033	EA	1 Gallon Podocarpus - Chinese Podocarpus	3.26	
32 93 43 00-1034	EA	3 Gallon Podocarpus - Chinese Podocarpus	7.56	
32 93 43 00-1035	EA	7 Gallon Podocarpus - Chinese Podocarpus	21.85	
32 93 43 00-1036	EA	15 Gallon Podocarpus - Chinese Podocarpus	35.51	
32 93 43 00-1037	EA	4' To 5' Podocarpus - Chinese Podocarpus	54.63	
32 93 43 00-1038	EA	5' Pseudotsuga menziesii - Douglas Fir	139.70	
32 93 43 00-1039	EA	6' Pseudotsuga menziesii - Douglas Fir	167.63	
32 93 43 00-1040	EA	7' Pseudotsuga menziesii - Douglas Fir	209.54	
32 93 43 00-1041	EA	8' Pseudotsuga menziesii - Douglas Fir	251.45	
32 93 43 00-1042	EA	9' Pseudotsuga menziesii - Douglas Fir	314.32	
32 93 43 00-1043	EA	10' Pseudotsuga menziesii - Douglas Fir	370.19	
32 93 43 00-1044	EA	12' Pseudotsuga menziesii - Douglas Fir	419.09	
32 93 43 00-1045	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	68.29	
32 93 43 00-1046	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	92.19	
32 93 43 00-1047	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	112.67	
32 93 43 00-1048	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	48.54	
32 93 43 00-1049	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	60.67	
32 93 43 00-1050	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	75.01	
32 93 43 00-1051	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	94.92	
32 93 43 00-1052	EA	6' Tsuga canadensis - Northern Hemlock	139.70	
32 93 43 00-1053	EA	7' Tsuga canadensis - Northern Hemlock	174.62	
32 93 43 00-1054	EA	8' Tsuga canadensis - Northern Hemlock	237.48	
32 93 43 00-1055	EA	9' Tsuga canadensis - Northern Hemlock	279.39	
32 93 43 00-1056	EA	10' Tsuga canadensis - Northern Hemlock	314.32	
32 93 43 00-1057	EA	12' Tsuga canadensis - Northern Hemlock	349.24	
32 93 43 00-1058	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	13.17	
32 93 43 00-1059	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	24.65	

32 93 43 00-1060 Palm And Subtropical Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1061	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	107.48	
32 93 43 00-1062	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	167.20	
32 93 43 00-1063	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	214.97	
32 93 43 00-1064	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	286.62	
32 93 43 00-1065	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	81.43	
32 93 43 00-1066	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	114.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1067	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	146.57	
32 93 43 00-1068	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	179.14	
32 93 43 00-1069	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	217.14	
32 93 43 00-1070	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	271.42	
32 93 43 00-1071	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	228.00	
32 93 43 00-1072	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	358.28	
32 93 43 00-1073	EA	3' To 4' Chamaerops humilis - European Fan Palm	195.43	
32 93 43 00-1074	EA	5' To 6' Chamaerops humilis - European Fan Palm	260.57	
32 93 43 00-1075	EA	7' To 8' Chamaerops humilis - European Fan Palm	607.99	
32 93 43 00-1076	EA	9' To 10' Chamaerops humilis - European Fan Palm	1,042.27	
32 93 43 00-1077	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	152.00	
32 93 43 00-1078	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	304.00	
32 93 43 00-1079	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	390.85	
32 93 43 00-1080	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	542.85	
32 93 43 00-1081	EA	12' To 16' Cocos nucifera - Coconut Palm	457.88	
32 93 43 00-1082	EA	4' To 5' Rhapis excelsa - Lady Palm	412.57	
32 93 43 00-1083	EA	6' To 7' Rhapis excelsa - Lady Palm	586.28	
32 93 43 00-1084	EA	8' To 9' Roystonea regia - Royal Palm	332.22	
32 93 43 00-1085	EA	10' To 11' Roystonea regia - Royal Palm	406.05	
32 93 43 00-1086	EA	12' To 13' Roystonea regia - Royal Palm	479.88	
32 93 43 00-1087	EA	14' To 15' Roystonea regia - Royal Palm	553.71	
32 93 43 00-1088	EA	16' To 17' Roystonea regia - Royal Palm	627.53	
32 93 43 00-1089	EA	18' To 19' Roystonea regia - Royal Palm	701.36	
32 93 43 00-1090	EA	20' To 21' Roystonea regia - Royal Palm	775.19	
32 93 43 00-1091	EA	10' To 16' Sabal palmetto - Cabbage Palm	167.90	
32 93 43 00-1092	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	455.99	
32 93 43 00-1093	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	586.28	
32 93 43 00-1094	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	716.56	

32 93 83 Planting of Trees, Shrubs and Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.44	
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	2.31	
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	2.89	
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	4.62	
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	23.10	
		For >10 To 25, Deduct	*-1.16*	
		For >25 To 50, Deduct	*-2.89*	
		For >50 To 100, Deduct	*-4.62*	
		For >100, Deduct	*-6.93*	
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	32.33	
		For >10 To 25, Deduct	*-1.62*	
		For >25 To 50, Deduct	*-4.04*	
		For >50 To 100, Deduct	*-6.47*	
		For >100, Deduct	*-9.70*	
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	41.57	
		For >10 To 25, Deduct	*-2.08*	
		For >25 To 50, Deduct	*-5.20*	
		For >50 To 100, Deduct	*-8.31*	
		For >100, Deduct	*-12.47*	
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	69.29	
		For >10 To 25, Deduct	*-3.46*	
		For >25 To 50, Deduct	*-8.66*	
		For >50 To 100, Deduct	*-13.86*	
		For >100, Deduct	*-20.79*	
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	92.38	
		For >10 To 25, Deduct	*-4.62*	
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-18.48*	
		For >100, Deduct	*-27.71*	
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	120.10	
		For >10 To 25, Deduct	*-6.01*	
		For >25 To 50, Deduct	*-15.01*	
		For >50 To 100, Deduct	*-24.02*	
		For >100, Deduct	*-36.03*	
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	170.91	
		For >10 To 25, Deduct	*-8.55*	
		For >25 To 50, Deduct	*-21.36*	
		For >50 To 100, Deduct	*-34.18*	
		For >100, Deduct	*-51.27*	
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	281.77	
		For >10 To 25, Deduct	*-14.09*	
		For >25 To 50, Deduct	*-35.22*	
		For >50 To 100, Deduct	*-56.35*	
		For >100, Deduct	*-84.53*	
32 93 83 00-0014	EA	25 Gallon Container Tree Planting	364.92	
		For >10 To 25, Deduct	*-18.25*	
		For >25 To 50, Deduct	*-45.62*	
		For >50 To 100, Deduct	*-72.98*	
		For >100, Deduct	*-109.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0015	EA	30 Gallon Container Tree Planting	438.82	
		For >10 To 25, Deduct	*-21.94*	
		For >25 To 50, Deduct	*-54.85*	
		For >50 To 100, Deduct	*-87.76*	
		For >100, Deduct	*-131.65*	
32 93 83 00-0016	EA	45 Gallon Container Tree Planting	545.07	
		For >10 To 25, Deduct	*-27.25*	
		For >25 To 50, Deduct	*-68.13*	
		For >50 To 100, Deduct	*-109.01*	
		For >100, Deduct	*-163.52*	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting	646.69	
		For >10 To 25, Deduct	*-32.33*	
		For >25 To 50, Deduct	*-80.84*	
		For >50 To 100, Deduct	*-129.34*	
		For >100, Deduct	*-194.01*	
32 93 83 00-0018	EA	6' Balled And Burlapped Tree Planting	230.97	
		For >10 To 25, Deduct	*-11.55*	
		For >25 To 50, Deduct	*-28.87*	
		For >50 To 100, Deduct	*-46.19*	
		For >100, Deduct	*-69.29*	
32 93 83 00-0019	EA	7' Balled And Burlapped Tree Planting	307.64	
		For >10 To 25, Deduct	*-15.38*	
		For >25 To 50, Deduct	*-38.46*	
		For >50 To 100, Deduct	*-61.53*	
		For >100, Deduct	*-92.29*	
32 93 83 00-0020	EA	8' Balled And Burlapped Tree Planting	346.44	
		For >10 To 25, Deduct	*-17.32*	
		For >25 To 50, Deduct	*-43.31*	
		For >50 To 100, Deduct	*-69.29*	
		For >100, Deduct	*-103.93*	
32 93 83 00-0021	EA	10' Balled And Burlapped Tree Planting	404.19	
		For >10 To 25, Deduct	*-20.21*	
		For >25 To 50, Deduct	*-50.52*	
		For >50 To 100, Deduct	*-80.84*	
		For >100, Deduct	*-121.26*	
32 93 83 00-0022	EA	12' Balled And Burlapped Tree Planting	540.45	
		For >10 To 25, Deduct	*-27.02*	
		For >25 To 50, Deduct	*-67.56*	
		For >50 To 100, Deduct	*-108.09*	
		For >100, Deduct	*-162.14*	
32 93 83 00-0023	EA	14' Balled And Burlapped Tree Planting	618.98	
		For >10 To 25, Deduct	*-30.95*	
		For >25 To 50, Deduct	*-77.37*	
		For >50 To 100, Deduct	*-123.80*	
		For >100, Deduct	*-185.69*	
32 93 83 00-0024	EA	16' Balled And Burlapped Tree Planting	750.63	
		For >10 To 25, Deduct	*-37.53*	
		For >25 To 50, Deduct	*-93.83*	
		For >50 To 100, Deduct	*-150.13*	
		For >100, Deduct	*-225.19*	
32 93 83 00-0025	EA	18' Balled And Burlapped Tree Planting	900.76	
		For >10 To 25, Deduct	*-45.04*	
		For >25 To 50, Deduct	*-112.60*	
		For >50 To 100, Deduct	*-180.15*	
		For >100, Deduct	*-270.23*	
32 93 83 00-0026	EA	20' Balled And Burlapped Tree Planting	1,039.33	
		For >10 To 25, Deduct	*-51.97*	
		For >25 To 50, Deduct	*-129.92*	
		For >50 To 100, Deduct	*-207.87*	
		For >100, Deduct	*-311.80*	
32 93 83 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	346.44	
		For >10 To 25, Deduct	*-17.32*	
		For >25 To 50, Deduct	*-43.31*	
		For >50 To 100, Deduct	*-69.29*	
		For >100, Deduct	*-103.93*	
32 93 83 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	404.19	
		For >10 To 25, Deduct	*-20.21*	
		For >25 To 50, Deduct	*-50.52*	
		For >50 To 100, Deduct	*-80.84*	
		For >100, Deduct	*-121.26*	
32 93 83 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	542.76	
		For >10 To 25, Deduct	*-27.14*	
		For >25 To 50, Deduct	*-67.85*	
		For >50 To 100, Deduct	*-108.55*	
		For >100, Deduct	*-162.83*	
32 93 83 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	623.60	
		For >10 To 25, Deduct	*-31.18*	
		For >25 To 50, Deduct	*-77.95*	
		For >50 To 100, Deduct	*-124.72*	
		For >100, Deduct	*-187.08*	
32 93 83 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	692.89	
		For >10 To 25, Deduct	*-34.64*	
		For >25 To 50, Deduct	*-86.61*	
		For >50 To 100, Deduct	*-138.58*	
		For >100, Deduct	*-207.87*	
32 93 83 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	794.50	
		For >10 To 25, Deduct	*-39.73*	
		For >25 To 50, Deduct	*-99.31*	
		For >50 To 100, Deduct	*-158.90*	
		For >100, Deduct	*-238.35*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 93 83 00-0033 Tree Pits *(32 93 83)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0034	EA	2' x 1-1/4' Deep Tree Pit	135.98	
32 93 83 00-0035	EA	2' x 2-1/2' Deep Tree Pit	203.93	
32 93 83 00-0036	EA	2-1/2' x 1-1/2' Deep Tree Pit	262.94	
32 93 83 00-0037	EA	2-1/2' x 3' Deep Tree Pit	394.33	
32 93 83 00-0038	EA	3' x 1-3/4' Deep Tree Pit	406.73	
32 93 83 00-0039	EA	3' x 3-1/2' Deep Tree Pit	607.03	
32 93 83 00-0040	EA	3-1/2' x 1-3/4' Deep Tree Pit	498.91	
32 93 83 00-0041	EA	3-1/2' x 3-1/2' Deep Tree Pit	747.36	
32 93 83 00-0042	EA	4' x 2' Deep Tree Pit	596.56	
32 93 83 00-0043	EA	4' x 4' Deep Tree Pit	894.37	
32 93 83 00-0044	EA	4-1/2' x 2' Deep Tree Pit	859.67	
32 93 83 00-0045	EA	4-1/2' x 4' Deep Tree Pit	1,291.94	
32 93 83 00-0046	EA	5' x 2-1/4' Deep Tree Pit	1,143.45	
32 93 83 00-0047	EA	5' x 4-1/2' Deep Tree Pit	1,703.62	
32 93 83 00-0048	EA	6' x 2-1/2' Deep Tree Pit	1,621.58	
32 93 83 00-0049	EA	6' x 5' Deep Tree Pit	2,428.91	
32 93 83 00-0050	EA	7' x 3' Deep Tree Pit	2,732.32	
32 93 83 00-0051	EA	7' x 6' Deep Tree Pit	4,119.51	
32 93 83 00-0052	EA	8' x 3-1/4' Deep Tree Pit	3,758.93	
32 93 83 00-0053	EA	8' x 6-1/2' Deep Tree Pit	5,636.07	

32 93 83 00-0054 Planting Shrubs *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0055	EA	1 Gallon Container Shrub Planting	19.64	
		For >10 To 25, Deduct		*-0.98*
		For >25 To 50, Deduct		*-2.46*
		For >50 To 100, Deduct		*-3.93*
		For >100, Deduct		*-5.89*
32 93 83 00-0056	EA	2 Gallon Container Shrub Planting	27.71	
		For >10 To 25, Deduct		*-1.39*
		For >25 To 50, Deduct		*-3.46*
		For >50 To 100, Deduct		*-5.54*
		For >100, Deduct		*-8.31*
32 93 83 00-0057	EA	3 Gallon Container Shrub Planting	34.65	
		For >10 To 25, Deduct		*-1.73*
		For >25 To 50, Deduct		*-4.33*
		For >50 To 100, Deduct		*-6.93*
		For >100, Deduct		*-10.40*
32 93 83 00-0058	EA	4 Gallon Container Shrub Planting	46.20	
		For >10 To 25, Deduct		*-2.31*
		For >25 To 50, Deduct		*-5.78*
		For >50 To 100, Deduct		*-9.24*
		For >100, Deduct		*-13.86*
32 93 83 00-0059	EA	5 Gallon Container Shrub Planting	57.74	
		For >10 To 25, Deduct		*-2.89*
		For >25 To 50, Deduct		*-7.22*
		For >50 To 100, Deduct		*-11.55*
		For >100, Deduct		*-17.32*
32 93 83 00-0060	EA	7 Gallon Container Shrub Planting	78.53	
		For >10 To 25, Deduct		*-3.93*
		For >25 To 50, Deduct		*-9.82*
		For >50 To 100, Deduct		*-15.71*
		For >100, Deduct		*-23.56*
32 93 83 00-0061	EA	10 Gallon Container Shrub Planting	103.93	
		For >10 To 25, Deduct		*-5.20*
		For >25 To 50, Deduct		*-12.99*
		For >50 To 100, Deduct		*-20.79*
		For >100, Deduct		*-31.18*
32 93 83 00-0062	EA	15 Gallon Container Shrub Planting	143.20	
		For >10 To 25, Deduct		*-7.16*
		For >25 To 50, Deduct		*-17.90*
		For >50 To 100, Deduct		*-28.64*
		For >100, Deduct		*-42.96*
32 93 83 00-0063	EA	20 Gallon Container Shrub Planting	240.20	
		For >10 To 25, Deduct		*-12.01*
		For >25 To 50, Deduct		*-30.03*
		For >50 To 100, Deduct		*-48.04*
		For >100, Deduct		*-72.06*
32 93 83 00-0064	EA	25 Gallon Container Shrub Planting	307.64	
		For >10 To 25, Deduct		*-15.38*
		For >25 To 50, Deduct		*-38.46*
		For >50 To 100, Deduct		*-61.53*
		For >100, Deduct		*-92.29*
32 93 83 00-0065	EA	15" Balled And Burlapped Shrub Planting	64.67	
		For >10 To 25, Deduct		*-3.23*
		For >25 To 50, Deduct		*-8.08*
		For >50 To 100, Deduct		*-12.93*
		For >100, Deduct		*-19.40*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0066	EA	18" Balled And Burlapped Shrub Planting	66.98	
		For >10 To 25, Deduct	*-3.35*	
		For >25 To 50, Deduct	*-8.37*	
		For >50 To 100, Deduct	*-13.40*	
		For >100, Deduct	*-20.09*	
32 93 83 00-0067	EA	24" Balled And Burlapped Shrub Planting	73.91	
		For >10 To 25, Deduct	*-3.70*	
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-14.78*	
		For >100, Deduct	*-22.17*	
32 93 83 00-0068	EA	30" Balled And Burlapped Shrub Planting	73.91	
		For >10 To 25, Deduct	*-3.70*	
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-14.78*	
		For >100, Deduct	*-22.17*	
32 93 83 00-0069	EA	36" Balled And Burlapped Shrub Planting	80.84	
		For >10 To 25, Deduct	*-4.04*	
		For >25 To 50, Deduct	*-10.11*	
		For >50 To 100, Deduct	*-16.17*	
		For >100, Deduct	*-24.25*	
32 93 83 00-0070	EA	42" Balled And Burlapped Shrub Planting	85.45	
		For >10 To 25, Deduct	*-4.27*	
		For >25 To 50, Deduct	*-10.68*	
		For >50 To 100, Deduct	*-17.09*	
		For >100, Deduct	*-25.64*	
32 93 83 00-0071	EA	48" Balled And Burlapped Shrub Planting	92.38	
		For >10 To 25, Deduct	*-4.62*	
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-18.48*	
		For >100, Deduct	*-27.71*	
32 93 83 00-0072	EA	5' Balled And Burlapped Shrub Planting	138.58	
		For >10 To 25, Deduct	*-6.93*	
		For >25 To 50, Deduct	*-17.32*	
		For >50 To 100, Deduct	*-27.72*	
		For >100, Deduct	*-41.57*	
32 93 83 00-0073	EA	6' Balled And Burlapped Shrub Planting	196.32	
		For >10 To 25, Deduct	*-9.82*	
		For >25 To 50, Deduct	*-24.54*	
		For >50 To 100, Deduct	*-39.26*	
		For >100, Deduct	*-58.90*	
32 93 83 00-0074	EA	7' Balled And Burlapped Shrub Planting	260.99	
		For >10 To 25, Deduct	*-13.05*	
		For >25 To 50, Deduct	*-32.62*	
		For >50 To 100, Deduct	*-52.20*	
		For >100, Deduct	*-78.30*	
32 93 83 00-0075	EA	8' Balled And Burlapped Shrub Planting	295.63	
		For >10 To 25, Deduct	*-14.78*	
		For >25 To 50, Deduct	*-36.95*	
		For >50 To 100, Deduct	*-59.13*	
		For >100, Deduct	*-88.69*	
32 93 83 00-0076	EA	9' Balled And Burlapped Shrub Planting	318.73	
		For >10 To 25, Deduct	*-15.94*	
		For >25 To 50, Deduct	*-39.84*	
		For >50 To 100, Deduct	*-63.75*	
		For >100, Deduct	*-95.62*	
32 93 83 00-0077	EA	10' Balled And Burlapped Shrub Planting	346.44	
		For >10 To 25, Deduct	*-17.32*	
		For >25 To 50, Deduct	*-43.31*	
		For >50 To 100, Deduct	*-69.29*	
		For >100, Deduct	*-103.93*	

32 93 83 00-0078 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 83)*

See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0079	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	1.93	
		For >10 To 25, Deduct	*-0.10*	
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.58*	
32 93 83 00-0080	EA	3" Diameter Potted Groundcover And Flower Planting	2.20	
		For >10 To 25, Deduct	*-0.11*	
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.44*	
		For >100, Deduct	*-0.66*	
32 93 83 00-0081	EA	4" Diameter Potted Groundcover And Flower Planting	2.57	
		For >10 To 25, Deduct	*-0.13*	
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.51*	
		For >100, Deduct	*-0.77*	
32 93 83 00-0082	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	3.08	
		For >10 To 25, Deduct	*-0.15*	
		For >25 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.62*	
		For >100, Deduct	*-0.92*	
32 93 83 00-0083	EA	6" Diameter Potted Groundcover And Flower Planting	3.85	
		For >10 To 25, Deduct	*-0.19*	
		For >25 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-0.77*	
		For >100, Deduct	*-1.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0084	EA	8" Diameter Potted Groundcover And Flower Planting	5.77	
		For >10 To 25, Deduct	*-0.29*	
		For >25 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-1.73*	
32 93 83 00-0085	EA	1 Gallon Container Groundcover And Flower Planting	18.47	
		For >10 To 25, Deduct	*-0.92*	
		For >25 To 50, Deduct	*-2.31*	
		For >50 To 100, Deduct	*-3.69*	
		For >100, Deduct	*-5.54*	
32 93 83 00-0086	EA	2 Gallon Container Groundcover And Flower Planting	25.41	
		For >10 To 25, Deduct	*-1.27*	
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-5.08*	
		For >100, Deduct	*-7.62*	
32 93 83 00-0087	EA	3 Gallon Container Groundcover And Flower Planting	32.33	
		For >10 To 25, Deduct	*-1.62*	
		For >25 To 50, Deduct	*-4.04*	
		For >50 To 100, Deduct	*-6.47*	
		For >100, Deduct	*-9.70*	
32 93 83 00-0088	EA	4 Gallon Container Groundcover And Flower Planting	41.57	
		For >10 To 25, Deduct	*-2.08*	
		For >25 To 50, Deduct	*-5.20*	
		For >50 To 100, Deduct	*-8.31*	
		For >100, Deduct	*-12.47*	
32 93 83 00-0089	EA	5 Gallon Container Groundcover And Flower Planting	50.81	
		For >10 To 25, Deduct	*-2.54*	
		For >25 To 50, Deduct	*-6.35*	
		For >50 To 100, Deduct	*-10.16*	
		For >100, Deduct	*-15.24*	
32 93 83 00-0090	EA	7 Gallon Container Groundcover And Flower Planting	69.29	
		For >10 To 25, Deduct	*-3.46*	
		For >25 To 50, Deduct	*-8.66*	
		For >50 To 100, Deduct	*-13.86*	
		For >100, Deduct	*-20.79*	
32 93 83 00-0091	EA	Bulb Planting	1.15	
		For >10 To 25, Deduct	*-0.06*	
		For >25 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.23*	
		For >100, Deduct	*-0.35*	
32 93 83 00-0092	EA	Flats Of 24 Groundcover And Flower Planting	32.34	
		For >10 To 25, Deduct	*-1.62*	
		For >25, Deduct	*-4.04*	
32 93 83 00-0093	EA	Flats Of 36 Groundcover And Flower Planting	45.87	
		For >10 To 25, Deduct	*-2.29*	
		For >25, Deduct	*-5.73*	
32 93 83 00-0094	EA	Flats Of 48 Groundcover And Flower Planting	61.06	
		For >10 To 25, Deduct	*-3.05*	
		For >25, Deduct	*-7.63*	

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 Landscape Edging *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.34	2.80
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.32	2.80
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	11.39	2.80
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	13.09	2.89
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	14.30	2.89
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	14.28	2.89
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	11.63	2.98
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	12.98	2.98
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	13.11	2.98
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	14.78	3.08
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	16.13	3.08
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	16.24	3.08
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	13.00	2.89
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	18.32	2.89

32 94 13 00-0016 Concrete Band, Cast In Place *(32 94 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 94 13 00-0017	LF	6" x 4" Concrete Band	20.27	10.34
		Note: Excludes base course.		
		For Up To 20, Add	*12.16*	
		For >20 To 50, Add	*6.89*	
		For >50 To 100, Add	*2.63*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-4.46*	
32 94 13 00-0018	LF	6" x 6" Concrete Band	24.07	12.16
		Note: Excludes base course.		
		For Up To 20, Add	*14.54*	
		For >20 To 50, Add	*8.24*	
		For >50 To 100, Add	*3.15*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-5.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0019	LF	8" x 6" Concrete Band Note: Excludes base course.	27.69	139.84
		For Up To 20, Add	*16.79*	
		For >20 To 50, Add	*9.52*	
		For >50 To 100, Add	*3.63*	
		For >500 To 1,000, Deduct	*-3.63*	
		For >1,000, Deduct	*-6.14*	
32 94 13 00-0020	LF	10" x 6" Concrete Band Note: Excludes base course.	30.67	152.00
		For Up To 20, Add	*18.60*	
		For >20 To 50, Add	*10.55*	
		For >50 To 100, Add	*4.03*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-6.81*	
32 94 13 00-0021	LF	12" x 6" Concrete Band Note: Excludes base course.	31.84	15.81
		For Up To 20, Add	*19.13*	
		For >20 To 50, Add	*10.84*	
		For >50 To 100, Add	*4.15*	
		For >500 To 1,000, Deduct	*-4.15*	
		For >1,000, Deduct	*-7.01*	

32 94 16 Landscape Timbers *(32 94)*

32 94 16 00-0001	LF	6" x 8" Railroad Ties	16.73	5.51
32 94 16 00-0002	LF	7" x 9" Railroad Ties	20.17	6.92
32 94 16 00-0003	LF	1" x 4" Redwood	5.81	1.95
32 94 16 00-0004	LF	2" x 4" Redwood Edging	7.98	2.93
32 94 16 00-0005	LF	4" x 6" Pressure Treated Hardwood	11.02	3.90
32 94 16 00-0006	LF	6" x 6" Pressure Treated Hardwood	14.34	4.88
32 94 16 00-0007	LF	6" x 8" Pressure Treated Hardwood	16.72	5.72
32 94 16 00-0008	LF	1" x 4" Pressure Treated Pine	4.44	1.95
32 94 16 00-0009	LF	2" x 4" Pressure Treated Pine	6.73	2.93
32 94 16 00-0010	LF	4" x 6" Pressure Treated Pine	10.48	3.77
32 94 16 00-0011	LF	6" x 6" Pressure Treated Pine	14.23	4.88
32 94 16 00-0012	LF	6" x 8" Pressure Treated Pine	17.36	5.72

32 94 43 Tree Grates *(32 94)*

32 94 43 00-0001 Tree Grates With Frames *(32 94 43)*

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0003	EA	32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,103.11	73.11
		For >3 To 9, Deduct	*-71.77*	
		For >9, Deduct	*-148.32*	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame	1,277.07	73.11
		For >3 To 9, Deduct	*-84.81*	
		For >9, Deduct	*-175.28*	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame	1,543.28	97.48
		For >3 To 9, Deduct	*-101.12*	
		For >9, Deduct	*-208.99*	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,921.94	97.48
		For >3 To 9, Deduct	*-129.52*	
		For >9, Deduct	*-267.68*	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame	2,464.47	121.85
		For >3 To 9, Deduct	*-166.56*	
		For >9, Deduct	*-344.22*	
32 94 43 00-0008	EA	60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame	2,584.84	146.21
		For >3 To 9, Deduct	*-171.93*	
		For >9, Deduct	*-355.33*	
32 94 43 00-0009	EA	60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame	2,848.36	146.21
		For >3 To 9, Deduct	*-191.70*	
		For >9, Deduct	*-396.17*	
32 94 43 00-0010	EA	72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame	3,791.49	207.14
		For >3 To 9, Deduct	*-253.29*	
		For >9, Deduct	*-523.47*	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,945.00	207.14
		For >3 To 9, Deduct	*-264.80*	
		For >9, Deduct	*-547.26*	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,072.93	207.14
		For >3 To 9, Deduct	*-274.40*	
		For >9, Deduct	*-567.09*	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,175.27	207.14
		For >3 To 9, Deduct	*-282.08*	
		For >9, Deduct	*-582.96*	
32 94 43 00-0014	EA	72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame	4,252.02	207.14
		For >3 To 9, Deduct	*-287.83*	
		For >9, Deduct	*-594.85*	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame	4,662.85	243.69
		For >3 To 9, Deduct	*-313.16*	
		For >9, Deduct	*-647.20*	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame	1,016.10	73.11
		For >3 To 9, Deduct	*-65.24*	
		For >9, Deduct	*-134.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0018	EA	36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,233.57	73.11
		For >3 To 9, Deduct	*-81.55*	
		For >9, Deduct	*-168.54*	
32 94 43 00-0019	EA	48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame	1,829.96	121.85
		For >3 To 9, Deduct	*-118.97*	
		For >9, Deduct	*-245.87*	
32 94 43 00-0020	EA	48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame	2,162.57	121.85
		For >3 To 9, Deduct	*-143.92*	
		For >9, Deduct	*-297.43*	
32 94 43 00-0021	EA	48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame	2,469.59	121.85
		For >3 To 9, Deduct	*-166.94*	
		For >9, Deduct	*-345.01*	
32 94 43 00-0022	EA	48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame	2,751.02	121.85
		For >3 To 9, Deduct	*-188.05*	
		For >9, Deduct	*-388.64*	
32 94 43 00-0023	EA	48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame	3,006.87	121.85
		For >3 To 9, Deduct	*-207.24*	
		For >9, Deduct	*-428.29*	
32 94 43 00-0024	EA	48" x 48", >400 Lb., Cast Iron Tree Grate With Frame	3,237.13	121.85
		For >3 To 9, Deduct	*-224.51*	
		For >9, Deduct	*-463.98*	
32 94 43 00-0025	EA	60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame	3,104.35	170.58
		For >3 To 9, Deduct	*-207.24*	
		For >9, Deduct	*-428.29*	
32 94 43 00-0026	EA	60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame	3,334.61	170.58
		For >3 To 9, Deduct	*-224.51*	
		For >9, Deduct	*-463.98*	
32 94 43 00-0027	EA	60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame	3,539.29	170.58
		For >3 To 9, Deduct	*-239.86*	
		For >9, Deduct	*-495.71*	
32 94 43 00-0028	EA	60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,718.39	170.58
		For >3 To 9, Deduct	*-253.29*	
		For >9, Deduct	*-523.47*	
32 94 43 00-0029	EA	60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,871.90	170.58
		For >3 To 9, Deduct	*-264.80*	
		For >9, Deduct	*-547.26*	
32 94 43 00-0030	EA	60" x 60", >600 Lb., Cast Iron Tree Grate With Frame	3,999.83	170.58
		For >3 To 9, Deduct	*-274.40*	
		For >9, Deduct	*-567.09*	
32 94 43 00-0031	EA	72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame	3,791.49	207.14
		For >3 To 9, Deduct	*-253.29*	
		For >9, Deduct	*-523.47*	
32 94 43 00-0032	EA	72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,945.00	207.14
		For >3 To 9, Deduct	*-264.80*	
		For >9, Deduct	*-547.26*	
32 94 43 00-0033	EA	72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,072.93	207.14
		For >3 To 9, Deduct	*-274.40*	
		For >9, Deduct	*-567.09*	
32 94 43 00-0034	EA	72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,175.27	207.14
		For >3 To 9, Deduct	*-282.08*	
		For >9, Deduct	*-582.96*	
32 94 43 00-0035	EA	72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame	4,252.02	207.14
		For >3 To 9, Deduct	*-287.83*	
		For >9, Deduct	*-594.85*	
32 94 43 00-0036	EA	72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame	4,303.19	207.14
		For >3 To 9, Deduct	*-291.67*	
		For >9, Deduct	*-602.78*	
32 94 43 00-0037	EA	72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame	4,328.77	207.14
		For >3 To 9, Deduct	*-293.59*	
		For >9, Deduct	*-606.75*	
32 94 43 00-0038	EA	72" x 72", >850 Lb., Cast Iron Tree Grate With Frame	4,354.36	207.14
		For >3 To 9, Deduct	*-295.51*	
		For >9, Deduct	*-610.71*	

32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0040	EA	36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,921.94	97.48
		For >3 To 9, Deduct	*-129.52*	
		For >9, Deduct	*-267.68*	
32 94 43 00-0041	EA	36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,960.31	97.48
		For >3 To 9, Deduct	*-132.40*	
		For >9, Deduct	*-273.63*	
32 94 43 00-0042	EA	36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame	2,395.39	121.85
		For >3 To 9, Deduct	*-161.38*	
		For >9, Deduct	*-333.51*	
32 94 43 00-0043	EA	48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame	2,822.66	121.85
		For >3 To 9, Deduct	*-193.42*	
		For >9, Deduct	*-399.74*	
32 94 43 00-0044	EA	48" x 72", >350 Lb., Cast Iron Tree Grate With Frame	3,006.87	121.85
		For >3 To 9, Deduct	*-207.24*	
		For >9, Deduct	*-428.29*	
32 94 43 00-0045	EA	60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame	4,021.75	207.14
		For >3 To 9, Deduct	*-270.56*	
		For >9, Deduct	*-559.16*	

32 94 49 Plant and Tree Accessories *(32 94)*

32 94 49 00-0001 Tree Guying *(32 94 49)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	25.72	
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	45.46	
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	78.18	

32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	108.61	
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	146.58	
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	187.94	
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	242.47	

32 94 49 00-0011 Tree Wrap *(32 94 49)*

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	7.04	
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	11.76	
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	23.38	
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	36.41	

32 94 49 00-0016 Tree Guards *(32 94 49)*

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	11.70	
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	10.72	

32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	7.35	

32 94 49 00-0021 Root Barriers *(32 94 49)*

32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	12.94	
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	18.47	
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	21.85	
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	41.24	
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	57.10	

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate *(32 96 33)*

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	78.90	
		For >25 To 50, Deduct		*-7.89*
		For >50, Deduct		*-11.84*
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	106.74	
		For >25 To 50, Deduct		*-10.67*
		For >50, Deduct		*-16.01*
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	180.99	
		For >25 To 50, Deduct		*-18.10*
		For >50, Deduct		*-27.15*
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	278.45	
		For >25 To 50, Deduct		*-27.85*
		For >50, Deduct		*-41.77*

32 96 43 Tree Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate *(32 96 43)*

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0900 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	309.98	
		For >5 To 10, Deduct		*-15.50*
		For >10 To 20, Deduct		*-31.00*
		For >20, Deduct		*-46.50*
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	425.12	
		For >5 To 10, Deduct		*-21.26*
		For >10 To 20, Deduct		*-42.51*
		For >20, Deduct		*-63.77*
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	688.86	
		For >5 To 10, Deduct		*-34.44*
		For >10 To 20, Deduct		*-68.89*
		For >20, Deduct		*-103.33*
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	1,144.56	
		For >5 To 10, Deduct		*-57.23*
		For >10 To 20, Deduct		*-114.46*
		For >20, Deduct		*-171.68*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	1,859.91	
		For >5 To 10, Deduct	*-93.00*	
		For >10 To 20, Deduct	*-185.99*	
		For >20, Deduct	*-278.99*	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	2,399.88	
		For >5 To 10, Deduct	*-119.99*	
		For >10 To 20, Deduct	*-239.99*	
		For >20, Deduct	*-359.98*	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	3,099.85	
		For >5 To 10, Deduct	*-154.99*	
		For >10 To 20, Deduct	*-309.99*	
		For >20, Deduct	*-464.98*	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	3,719.81	
		For >5 To 10, Deduct	*-185.99*	
		For >10 To 20, Deduct	*-371.98*	
		For >20, Deduct	*-557.97*	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	4,227.07	
		For >5 To 10, Deduct	*-211.35*	
		For >10 To 20, Deduct	*-422.71*	
		For >20, Deduct	*-634.06*	

END OF SECTION 32

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities *(33)*

33 01 10 Operation and Maintenance of Water Utilities *(33 01)*

33 01 10 54 Cleaning of Water Utility Piping *(33 01 10)*

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,076.95	
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	538.48	
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.41	
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.04*	
		For >1,000 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.10*	
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.62	
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.06*	
		For >1,000 To 2,000, Deduct	*-0.09*	
		For >2,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.16*	
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.81	
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000 To 2,000, Deduct	*-0.12*	
		For >2,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.20*	
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.95	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.14*	
		For >2,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.24*	
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.24	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.12*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.31*	
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.40	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000 To 2,000, Deduct	*-0.21*	
		For >2,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.35*	
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.61	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000 To 2,000, Deduct	*-0.24*	
		For >2,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.40*	
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.91	
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000 To 2,000, Deduct	*-0.29*	
		For >2,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.48*	
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.44	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 2,000, Deduct	*-0.37*	
		For >2,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.61*	
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.59	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000 To 2,000, Deduct	*-0.54*	
		For >2,000 To 5,000, Deduct	*-0.72*	
		For >5,000, Deduct	*-0.90*	
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	4.97	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000 To 2,000, Deduct	*-0.75*	
		For >2,000 To 5,000, Deduct	*-0.99*	
		For >5,000, Deduct	*-1.24*	

33 01 10 71 Relining Water Utilities Pipelines *(33 01 10)*

See CSI section 33 01 30 71-0000 for relining water pipelines.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 10 71-0001 Relining Underground Water Pipelines *(33 01 10 71)*

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.

33 01 10 71-0002 Relining Underground Water Pipelines Set-Up And Reinsertion *(33 01 10 71-0001)*

33 01 10 71-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	5,613.78	
33 01 10 71-0004	EA	Move And Reset Up At Different Access/Location	2,245.52	

33 01 10 71-0005 Lining Pipe With Cement *(33 01 10 71-0001)*

33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	68.43	
		For 3/16" Thickness, Add	*1.33*	
		For 1/4" Thickness, Add	*2.66*	
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	61.00	
		For 3/16" Thickness, Add	*1.33*	
		For 1/4" Thickness, Add	*2.66*	
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	51.04	
		For 3/16" Thickness, Add	*1.33*	
		For 1/4" Thickness, Add	*2.66*	
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	38.55	
		For 3/16" Thickness, Add	*1.33*	
		For 1/4" Thickness, Add	*2.66*	
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	71.44	
		For 3/16" Thickness, Add	*1.99*	
		For 1/4" Thickness, Add	*3.97*	
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	63.73	
		For 3/16" Thickness, Add	*1.99*	
		For 1/4" Thickness, Add	*3.97*	
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	53.44	
		For 3/16" Thickness, Add	*1.99*	
		For 1/4" Thickness, Add	*3.97*	
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	40.77	
		For 3/16" Thickness, Add	*1.99*	
		For 1/4" Thickness, Add	*3.97*	
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	74.35	
		For 3/16" Thickness, Add	*2.65*	
		For 1/4" Thickness, Add	*5.29*	
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	66.47	
		For 3/16" Thickness, Add	*2.65*	
		For 1/4" Thickness, Add	*5.29*	
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	55.83	
		For 3/16" Thickness, Add	*2.65*	
		For 1/4" Thickness, Add	*5.29*	
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	43.00	
		For 3/16" Thickness, Add	*2.65*	
		For 1/4" Thickness, Add	*5.29*	
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	76.65	
		For 3/16" Thickness, Add	*3.32*	
		For 1/4" Thickness, Add	*6.63*	
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	68.65	
		For 3/16" Thickness, Add	*3.32*	
		For 1/4" Thickness, Add	*6.63*	
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	57.86	
		For 3/16" Thickness, Add	*3.32*	
		For 1/4" Thickness, Add	*6.63*	
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	45.25	
		For 3/16" Thickness, Add	*3.32*	
		For 1/4" Thickness, Add	*6.63*	
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	83.03	
		For 3/16" Thickness, Add	*3.98*	
		For 1/4" Thickness, Add	*7.95*	
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	74.52	
		For 3/16" Thickness, Add	*3.98*	
		For 1/4" Thickness, Add	*7.95*	
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	63.04	
		For 3/16" Thickness, Add	*3.98*	
		For 1/4" Thickness, Add	*7.95*	
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	49.41	
		For 3/16" Thickness, Add	*3.98*	
		For 1/4" Thickness, Add	*7.95*	
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	90.62	
		For 1/4" Thickness, Add	*4.42*	
		For 5/16" Thickness, Add	*8.85*	
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	81.80	
		For 1/4" Thickness, Add	*4.42*	
		For 5/16" Thickness, Add	*8.85*	
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	69.83	
		For 1/4" Thickness, Add	*4.42*	
		For 5/16" Thickness, Add	*8.85*	
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	56.77	
		For 1/4" Thickness, Add	*4.42*	
		For 5/16" Thickness, Add	*8.85*	
33 01 10 71-0030	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	95.52	
		For 1/4" Thickness, Add	*5.30*	
		For 5/16" Thickness, Add	*10.60*	
33 01 10 71-0031	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	86.42	
		For 1/4" Thickness, Add	*5.30*	
		For 5/16" Thickness, Add	*10.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	74.06	
		For 1/4" Thickness, Add	*5.30*	
		For 5/16" Thickness, Add	*10.60*	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	61.67	
		For 1/4" Thickness, Add	*5.30*	
		For 5/16" Thickness, Add	*10.60*	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	101.48	
		For 1/4" Thickness, Add	*6.19*	
		For 5/16" Thickness, Add	*12.37*	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	92.06	
		For 1/4" Thickness, Add	*6.19*	
		For 5/16" Thickness, Add	*12.37*	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	79.10	
		For 1/4" Thickness, Add	*6.19*	
		For 5/16" Thickness, Add	*12.37*	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	67.52	
		For 1/4" Thickness, Add	*6.19*	
		For 5/16" Thickness, Add	*12.37*	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	107.53	
		For 1/4" Thickness, Add	*7.07*	
		For 5/16" Thickness, Add	*14.14*	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	97.72	
		For 1/4" Thickness, Add	*7.07*	
		For 5/16" Thickness, Add	*14.14*	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	84.37	
		For 1/4" Thickness, Add	*7.07*	
		For 5/16" Thickness, Add	*14.14*	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	73.57	
		For 1/4" Thickness, Add	*7.07*	
		For 5/16" Thickness, Add	*14.14*	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	116.13	
		For 1/4" Thickness, Add	*8.84*	
		For 5/16" Thickness, Add	*17.67*	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	105.76	
		For 1/4" Thickness, Add	*8.84*	
		For 5/16" Thickness, Add	*17.67*	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	91.60	
		For 1/4" Thickness, Add	*8.84*	
		For 5/16" Thickness, Add	*17.67*	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	80.69	
		For 1/4" Thickness, Add	*8.84*	
		For 5/16" Thickness, Add	*17.67*	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	124.62	
		For 1/4" Thickness, Add	*10.61*	
		For 5/16" Thickness, Add	*21.21*	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	113.79	
		For 1/4" Thickness, Add	*10.61*	
		For 5/16" Thickness, Add	*21.21*	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	98.84	
		For 1/4" Thickness, Add	*10.61*	
		For 5/16" Thickness, Add	*21.21*	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	87.82	
		For 1/4" Thickness, Add	*10.61*	
		For 5/16" Thickness, Add	*21.21*	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	157.10	
		For 3/8" Thickness, Add	*27.84*	
		For 7/16" Thickness, Add	*41.75*	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	145.30	
		For 3/8" Thickness, Add	*27.84*	
		For 7/16" Thickness, Add	*41.75*	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	129.04	
		For 3/8" Thickness, Add	*27.84*	
		For 7/16" Thickness, Add	*41.75*	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	117.69	
		For 3/8" Thickness, Add	*27.84*	
		For 7/16" Thickness, Add	*41.75*	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	173.58	
		For 3/8" Thickness, Add	*31.81*	
		For 7/16" Thickness, Add	*47.72*	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	160.95	
		For 3/8" Thickness, Add	*31.81*	
		For 7/16" Thickness, Add	*47.72*	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	143.47	
		For 3/8" Thickness, Add	*31.81*	
		For 7/16" Thickness, Add	*47.72*	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	131.88	
		For 3/8" Thickness, Add	*31.81*	
		For 7/16" Thickness, Add	*47.72*	
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	183.57	
		For 3/8" Thickness, Add	*35.79*	
		For 7/16" Thickness, Add	*53.68*	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	170.67	
		For 3/8" Thickness, Add	*35.79*	
		For 7/16" Thickness, Add	*53.68*	
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	152.78	
		For 3/8" Thickness, Add	*35.79*	
		For 7/16" Thickness, Add	*53.68*	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	141.66	
		For 3/8" Thickness, Add	*35.79*	
		For 7/16" Thickness, Add	*53.68*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0062		LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	193.58	
			For 3/8" Thickness, Add	*39.77*	
			For 7/16" Thickness, Add	*59.66*	
33 01 10 71-0063		LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	180.46	
			For 3/8" Thickness, Add	*39.77*	
			For 7/16" Thickness, Add	*59.66*	
33 01 10 71-0064		LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	162.23	
			For 3/8" Thickness, Add	*39.77*	
			For 7/16" Thickness, Add	*59.66*	
33 01 10 71-0065		LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	151.44	
			For 3/8" Thickness, Add	*39.77*	
			For 7/16" Thickness, Add	*59.66*	
33 01 10 71-0066		LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	203.91	
			For 3/8" Thickness, Add	*43.75*	
			For 7/16" Thickness, Add	*65.62*	
33 01 10 71-0067		LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	190.52	
			For 3/8" Thickness, Add	*43.75*	
			For 7/16" Thickness, Add	*65.62*	
33 01 10 71-0068		LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	172.00	
			For 3/8" Thickness, Add	*43.75*	
			For 7/16" Thickness, Add	*65.62*	
33 01 10 71-0069		LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	162.00	
			For 3/8" Thickness, Add	*43.75*	
			For 7/16" Thickness, Add	*65.62*	
33 01 10 71-0070		LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	214.70	
			For 3/8" Thickness, Add	*47.72*	
			For 7/16" Thickness, Add	*71.58*	
33 01 10 71-0071		LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	201.08	
			For 3/8" Thickness, Add	*47.72*	
			For 7/16" Thickness, Add	*71.58*	
33 01 10 71-0072		LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	182.11	
			For 3/8" Thickness, Add	*47.72*	
			For 7/16" Thickness, Add	*71.58*	
33 01 10 71-0073		LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	172.67	
			For 3/8" Thickness, Add	*47.72*	
			For 7/16" Thickness, Add	*71.58*	

33 01 10 71-0074 Lining Pipe With Epoxy *(33 01 10 71-0001)*

33 01 10 71-0075		LF	Up To 500', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	64.70
33 01 10 71-0076		LF	>500' To 1,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	57.88
33 01 10 71-0077		LF	>1,000' To 5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	48.70
33 01 10 71-0078		LF	>5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	44.13
33 01 10 71-0079		LF	Up To 500', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	68.34
33 01 10 71-0080		LF	>500' To 1,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.27
33 01 10 71-0081		LF	>1,000' To 5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	51.79
33 01 10 71-0082		LF	>5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	47.03
33 01 10 71-0083		LF	Up To 500', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	71.89
33 01 10 71-0084		LF	>500' To 1,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	64.65
33 01 10 71-0085		LF	>1,000' To 5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	54.85
33 01 10 71-0086		LF	>5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	50.03
33 01 10 71-0087		LF	Up To 500', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	69.01
33 01 10 71-0088		LF	>500' To 1,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	67.52
33 01 10 71-0089		LF	>1,000' To 5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	57.61
33 01 10 71-0090		LF	>5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	52.68
33 01 10 71-0091		LF	Up To 500', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	81.63
33 01 10 71-0092		LF	>500' To 1,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	73.79
33 01 10 71-0093		LF	>1,000' To 5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	63.23
33 01 10 71-0094		LF	>5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	57.90
33 01 10 71-0095		LF	Up To 500', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	86.89
33 01 10 71-0096		LF	>500' To 1,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	78.75
33 01 10 71-0097		LF	>1,000' To 5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	67.76
33 01 10 71-0098		LF	>5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	62.20
33 01 10 71-0099		LF	Up To 500', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	92.08
33 01 10 71-0100		LF	>500' To 1,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	83.72
33 01 10 71-0101		LF	1,000' To 5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	72.34
33 01 10 71-0102		LF	>5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	66.60
33 01 10 71-0103		LF	Up To 500', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	98.28
33 01 10 71-0104		LF	>500' To 1,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	89.60
33 01 10 71-0105		LF	>1,000' To 5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	77.68
33 01 10 71-0106		LF	>5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	71.82
33 01 10 71-0107		LF	Up To 500', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	104.51
33 01 10 71-0108		LF	>500' To 1,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	95.51
33 01 10 71-0109		LF	>1,000' To 5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	83.20
33 01 10 71-0110		LF	>5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	77.05
33 01 10 71-0111		LF	Up To 500', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	113.84
33 01 10 71-0112		LF	>500' To 1,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	104.28
33 01 10 71-0113		LF	>1,000' To 5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	91.27
33 01 10 71-0114		LF	>5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	84.69
33 01 10 71-0115		LF	Up To 500', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	123.04
33 01 10 71-0116		LF	>500' To 1,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	113.09
33 01 10 71-0117		LF	>1,000' To 5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	99.34
33 01 10 71-0118		LF	>5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	92.50
33 01 10 71-0119		LF	Up To 500', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	137.27
33 01 10 71-0120		LF	>500' To 1,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	126.41
33 01 10 71-0121		LF	>1,000' To 5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	111.47
33 01 10 71-0122		LF	>5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	104.06

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0123	LF	Up To 500', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	151.42	
33 01 10 71-0124	LF	>500' To 1,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	139.80	
33 01 10 71-0125	LF	>1,000' To 5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	123.73	
33 01 10 71-0126	LF	>5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	115.79	
33 01 10 71-0127	LF	Up To 500', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	159.56	
33 01 10 71-0128	LF	>500' To 1,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	147.69	
33 01 10 71-0129	LF	>1,000' To 5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	131.25	
33 01 10 71-0130	LF	>5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	123.08	
33 01 10 71-0131	LF	Up To 500', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	167.69	
33 01 10 71-0132	LF	>500' To 1,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	155.62	
33 01 10 71-0133	LF	>1,000' To 5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	138.86	
33 01 10 71-0134	LF	>5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	130.18	
33 01 10 71-0135		Water House Connection *(33 01 10 71-0001)*		
33 01 10 71-0136	EA	Blow Out Line To Water House Connection After Lining	53.85	

33 01 20 Operation and Maintenance of Wells *(33 01)*

33 01 20 00-0001 Pull Submersible Well Pumps For Repair *(33 01 20)*

Note: Includes cleaning.

33 01 20 00-0002	EA	Up To 100' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	92.40	
33 01 20 00-0003	EA	>100 To 200' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	123.20	
33 01 20 00-0004	EA	>200 To 300' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	160.16	
33 01 20 00-0005	EA	>300 To 400' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	209.44	
33 01 20 00-0006	EA	>400 To 500' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	258.72	
33 01 20 00-0007	EA	>500 To 600' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	295.68	

33 01 30 Operation and Maintenance of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*

33 01 30 11-0002 Video Camera Set-up *(33 01 30 11-0001)*

Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).

33 01 30 11-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	960.03
33 01 30 11-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	1,920.07
33 01 30 11-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,880.10
33 01 30 11-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	480.01
33 01 30 11-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	960.03

33 01 30 11-0008 Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*

Note: For pipe interior and culverts.

33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.43	
		For >500 To 1,000, Deduct		*-0.24*
		For >1,000 To 5,000, Deduct		*-0.61*
		For >5,000, Deduct		*-0.85*
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	3.25	
		For >500 To 1,000, Deduct		*-0.33*
		For >1,000 To 5,000, Deduct		*-0.81*
		For >5,000, Deduct		*-1.14*
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	4.06	
		For >500 To 1,000, Deduct		*-0.41*
		For >1,000 To 5,000, Deduct		*-1.02*
		For >5,000, Deduct		*-1.42*
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	5.40	
		For >500 To 1,000, Deduct		*-0.54*
		For >1,000 To 5,000, Deduct		*-1.35*
		For >5,000, Deduct		*-1.89*
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	7.60	
		For >500 To 1,000, Deduct		*-0.76*
		For >1,000 To 5,000, Deduct		*-1.90*
		For >5,000, Deduct		*-2.66*
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	10.14	
		For >500 To 1,000, Deduct		*-1.01*
		For >1,000 To 5,000, Deduct		*-2.54*
		For >5,000, Deduct		*-3.55*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	14.31	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000 To 5,000, Deduct	*-3.58*	
		For >5,000, Deduct	*-5.01*	
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	20.28	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000 To 5,000, Deduct	*-5.07*	
		For >5,000, Deduct	*-7.10*	

33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.60	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.26*	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.80	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-1.68*	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	6.00	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-2.10*	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	8.00	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000 To 5,000, Deduct	*-2.00*	
		For >5,000, Deduct	*-2.80*	
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	11.25	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 5,000, Deduct	*-2.81*	
		For >5,000, Deduct	*-3.94*	
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	15.00	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000 To 5,000, Deduct	*-3.75*	
		For >5,000, Deduct	*-5.25*	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	21.17	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000 To 5,000, Deduct	*-5.29*	
		For >5,000, Deduct	*-7.41*	
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	30.01	
		For >500 To 1,000, Deduct	*-3.00*	
		For >1,000 To 5,000, Deduct	*-7.50*	
		For >5,000, Deduct	*-10.50*	

33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.57	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-0.90*	
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.43	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000 To 5,000, Deduct	*-0.86*	
		For >5,000, Deduct	*-1.20*	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.29	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-1.50*	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	5.71	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.00*	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	8.04	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000 To 5,000, Deduct	*-2.01*	
		For >5,000, Deduct	*-2.81*	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	10.71	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 5,000, Deduct	*-2.68*	
		For >5,000, Deduct	*-3.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	15.13	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000 To 5,000, Deduct	*-3.78*	
		For >5,000, Deduct	*-5.30*	
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	21.43	
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000 To 5,000, Deduct	*-5.36*	
		For >5,000, Deduct	*-7.50*	

33 01 30 23 Pipe Bursting *(33 01 30)*

33 01 30 23-0001 Pipe Bursting *(33 01 30 23)*

Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.

33 01 30 23-0002 Manhole Chipping *(33 01 30 23-0001)*

Note: For use at manholes to open holes for pipe bursting head.

33 01 30 23-0003	EA	6" To 15" Diameter, Manhole Chipping	440.39
33 01 30 23-0004	EA	>15" To 24" Diameter, Manhole Chipping	517.01
33 01 30 23-0005	EA	>24" To 36" Diameter, Manhole Chipping	646.23

33 01 30 23-0006 Pipe Bursting *(33 01 30 23-0001)*

Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0051 for PE piping.

33 01 30 23-0007 Pipe Bursting Equipment Set-up *(33 01 30 23-0006)*

33 01 30 23-0008	EA	Initial Set-up And Final Equipment Removal For Up To 12" Underground Pipelines For Pipe Bursting Equipment	7,639.65
33 01 30 23-0009	EA	Initial Set-up And Final Equipment Removal For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	11,459.49
33 01 30 23-0010	EA	Initial Set-up And Final Equipment Removal For > 24" To 36" Underground Pipelines For Pipe Bursting Equipment	19,099.14
33 01 30 23-0011	EA	Move And Reset Up At Different Access/Location For Up To 12" Underground Pipelines For Pipe Bursting Equipment	2,864.87
33 01 30 23-0012	EA	Move And Reset Up At Different Access/Location For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	4,297.30
33 01 30 23-0013	EA	Move And Reset Up At Different Access/Location For > 2" To 36" Underground Pipelines For Pipe Bursting Equipment	7,162.17
33 01 30 23-0014	EA	Set Up/Move Pipe Bursting Equipment For Laterals	1,909.91

33 01 30 23-0015 Pneumatic Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0016	LF	4" Diameter, Pneumatic Head Pipe Bursting	27.34	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.17*	
		For >150 To 200, Add	*1.30*	
		For >100 To 150, Add	*2.60*	
		For >75 To 100, Add	*3.91*	
		For >50 To 75, Add	*5.21*	
		For >25 To 50, Add	*6.94*	
		For Up To 25, Add	*9.55*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.17*	
		For Bursting Ductile Iron Pipe, Add	*7.23*	
33 01 30 23-0017	LF	6" Diameter, Pneumatic Head Pipe Bursting	31.51	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.69*	
		For >150 To 200, Add	*1.61*	
		For >100 To 150, Add	*3.23*	
		For >75 To 100, Add	*4.84*	
		For >50 To 75, Add	*6.46*	
		For >25 To 50, Add	*8.61*	
		For Up To 25, Add	*11.84*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.69*	
		For Bursting Ductile Iron Pipe, Add	*8.60*	
33 01 30 23-0018	LF	8" Diameter, Pneumatic Head Pipe Bursting	35.43	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.18*	
		For >150 To 200, Add	*1.91*	
		For >100 To 150, Add	*3.82*	
		For >75 To 100, Add	*5.73*	
		For >50 To 75, Add	*7.64*	
		For >25 To 50, Add	*10.18*	
		For Up To 25, Add	*14.00*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.18*	
		For Bursting Ductile Iron Pipe, Add	*9.90*	
33 01 30 23-0019	LF	10" Diameter, Pneumatic Head Pipe Bursting	40.48	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.81*	
		For >150 To 200, Add	*2.29*	
		For >100 To 150, Add	*4.58*	
		For >75 To 100, Add	*6.86*	
		For >50 To 75, Add	*9.15*	
		For >25 To 50, Add	*12.20*	
		For Up To 25, Add	*16.78*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.81*	
		For Bursting Ductile Iron Pipe, Add	*11.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0020	LF	12" Diameter, Pneumatic Head Pipe Bursting	46.29	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.54*	
		For >150 To 200, Add	*2.72*	
		For >100 To 150, Add	*5.45*	
		For >75 To 100, Add	*8.17*	
		For >50 To 75, Add	*10.89*	
		For >25 To 50, Add	*14.52*	
		For Up To 25, Add	*19.97*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.54*	
		For Bursting Ductile Iron Pipe, Add	*13.48*	
33 01 30 23-0021	LF	15" Diameter, Pneumatic Head Pipe Bursting	51.27	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.69*	
		For >150 To 200, Add	*2.81*	
		For >100 To 150, Add	*5.62*	
		For >75 To 100, Add	*8.43*	
		For >50 To 75, Add	*11.24*	
		For >25 To 50, Add	*14.99*	
		For Up To 25, Add	*20.61*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.69*	
		For Bursting Ductile Iron Pipe, Add	*14.44*	
33 01 30 23-0022	LF	18" Diameter, Pneumatic Head Pipe Bursting	57.11	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.42*	
		For >150 To 200, Add	*3.25*	
		For >100 To 150, Add	*6.50*	
		For >75 To 100, Add	*9.75*	
		For >50 To 75, Add	*13.00*	
		For >25 To 50, Add	*17.33*	
		For Up To 25, Add	*23.83*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.42*	
		For Bursting Ductile Iron Pipe, Add	*16.36*	
33 01 30 23-0023	LF	21"/22" Diameter, Pneumatic Head Pipe Bursting	72.25	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.44*	
		For >150 To 200, Add	*3.87*	
		For >100 To 150, Add	*7.73*	
		For >75 To 100, Add	*11.60*	
		For >50 To 75, Add	*15.46*	
		For >25 To 50, Add	*20.62*	
		For Up To 25, Add	*28.35*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.44*	
		For Bursting Ductile Iron Pipe, Add	*20.11*	
33 01 30 23-0024	LF	24" Diameter, Pneumatic Head Pipe Bursting	88.82	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.51*	
		For >150 To 200, Add	*5.11*	
		For >100 To 150, Add	*10.22*	
		For >75 To 100, Add	*15.32*	
		For >50 To 75, Add	*20.43*	
		For >25 To 50, Add	*27.24*	
		For Up To 25, Add	*37.46*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.51*	
		For Bursting Ductile Iron Pipe, Add	*25.58*	
33 01 30 23-0025	LF	30" Diameter, Pneumatic Head Pipe Bursting	98.24	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.83*	
		For >150 To 200, Add	*5.30*	
		For >100 To 150, Add	*10.60*	
		For >75 To 100, Add	*15.90*	
		For >50 To 75, Add	*21.20*	
		For >25 To 50, Add	*28.26*	
		For Up To 25, Add	*38.86*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.83*	
		For Bursting Ductile Iron Pipe, Add	*27.45*	
33 01 30 23-0026	LF	36" Diameter, Pneumatic Head Pipe Bursting	125.69	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*12.26*	
		For >150 To 200, Add	*7.36*	
		For >100 To 150, Add	*14.72*	
		For >75 To 100, Add	*22.07*	
		For >50 To 75, Add	*29.43*	
		For >25 To 50, Add	*39.24*	
		For Up To 25, Add	*53.96*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*12.26*	
		For Bursting Ductile Iron Pipe, Add	*36.51*	
33 01 30 23-0027		Static Head Pipe Bursting *(33 01 30 23-0006)*		
33 01 30 23-0028	LF	4" Diameter, Static Head Pipe Bursting	35.79	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.23*	
		For >150 To 200, Add	*1.94*	
		For >100 To 150, Add	*3.87*	
		For >75 To 100, Add	*5.81*	
		For >50 To 75, Add	*7.74*	
		For >25 To 50, Add	*10.32*	
		For Up To 25, Add	*14.20*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.23*	
		For Bursting Ductile Iron Pipe, Add	*10.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0029	LF	6" Diameter, Static Head Pipe Bursting	39.99	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.75*	
		For >150 To 200, Add	*2.25*	
		For >100 To 150, Add	*4.50*	
		For >75 To 100, Add	*6.75*	
		For >50 To 75, Add	*9.00*	
		For >25 To 50, Add	*12.00*	
		For Up To 25, Add	*16.51*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.75*	
		For Bursting Ductile Iron Pipe, Add	*11.40*	
33 01 30 23-0030	LF	8" Diameter, Static Head Pipe Bursting	44.84	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.36*	
		For >150 To 200, Add	*2.61*	
		For >100 To 150, Add	*5.23*	
		For >75 To 100, Add	*7.84*	
		For >50 To 75, Add	*10.46*	
		For >25 To 50, Add	*13.94*	
		For Up To 25, Add	*19.17*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.36*	
		For Bursting Ductile Iron Pipe, Add	*13.00*	
33 01 30 23-0031	LF	10" Diameter, Static Head Pipe Bursting	51.15	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.15*	
		For >150 To 200, Add	*3.09*	
		For >100 To 150, Add	*6.18*	
		For >75 To 100, Add	*9.26*	
		For >50 To 75, Add	*12.35*	
		For >25 To 50, Add	*16.47*	
		For Up To 25, Add	*22.64*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.15*	
		For Bursting Ductile Iron Pipe, Add	*15.08*	
33 01 30 23-0032	LF	12" Diameter, Static Head Pipe Bursting	58.43	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.06*	
		For >150 To 200, Add	*3.63*	
		For >100 To 150, Add	*7.27*	
		For >75 To 100, Add	*10.90*	
		For >50 To 75, Add	*14.54*	
		For >25 To 50, Add	*19.38*	
		For Up To 25, Add	*26.65*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.06*	
		For Bursting Ductile Iron Pipe, Add	*17.49*	
33 01 30 23-0033	LF	15" Diameter, Static Head Pipe Bursting	66.76	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.62*	
		For >150 To 200, Add	*3.97*	
		For >100 To 150, Add	*7.95*	
		For >75 To 100, Add	*11.92*	
		For >50 To 75, Add	*15.89*	
		For >25 To 50, Add	*21.19*	
		For Up To 25, Add	*29.13*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.62*	
		For Bursting Ductile Iron Pipe, Add	*19.55*	
33 01 30 23-0034	LF	18" Diameter, Static Head Pipe Bursting	73.75	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.50*	
		For >150 To 200, Add	*4.50*	
		For >100 To 150, Add	*8.99*	
		For >75 To 100, Add	*13.49*	
		For >50 To 75, Add	*17.99*	
		For >25 To 50, Add	*23.98*	
		For Up To 25, Add	*32.98*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.50*	
		For Bursting Ductile Iron Pipe, Add	*21.86*	
33 01 30 23-0035	LF	21"/22" Diameter, Static Head Pipe Bursting	92.50	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.97*	
		For >150 To 200, Add	*5.38*	
		For >100 To 150, Add	*10.77*	
		For >75 To 100, Add	*16.15*	
		For >50 To 75, Add	*21.54*	
		For >25 To 50, Add	*28.72*	
		For Up To 25, Add	*39.48*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.97*	
		For Bursting Ductile Iron Pipe, Add	*26.80*	
33 01 30 23-0036	LF	24" Diameter, Static Head Pipe Bursting	118.92	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*12.28*	
		For >150 To 200, Add	*7.37*	
		For >100 To 150, Add	*14.73*	
		For >75 To 100, Add	*22.10*	
		For >50 To 75, Add	*29.46*	
		For >25 To 50, Add	*39.28*	
		For Up To 25, Add	*54.02*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*12.28*	
		For Bursting Ductile Iron Pipe, Add	*35.52*	
33 01 30 23-0037	LF	30" Diameter, Static Head Pipe Bursting	144.93	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*14.67*	
		For >150 To 200, Add	*8.80*	
		For >100 To 150, Add	*17.60*	
		For >75 To 100, Add	*26.40*	
		For >50 To 75, Add	*35.20*	
		For >25 To 50, Add	*46.94*	
		For Up To 25, Add	*64.54*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*14.67*	
		For Bursting Ductile Iron Pipe, Add	*42.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0038	LF	36" Diameter, Static Head Pipe Bursting	174.70	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*18.39*	
		For >150 To 200, Add	*11.03*	
		For >100 To 150, Add	*22.07*	
		For >75 To 100, Add	*33.10*	
		For >50 To 75, Add	*44.13*	
		For >25 To 50, Add	*58.84*	
		For Up To 25, Add	*80.91*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*18.39*	
		For Bursting Ductile Iron Pipe, Add	*52.68*	

33 01 30 23-0039 Hydraulic Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0040	LF	4" Diameter, Hydraulic Head Pipe Bursting	31.20	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.65*	
		For >150 To 200, Add	*1.59*	
		For >100 To 150, Add	*3.18*	
		For >75 To 100, Add	*4.77*	
		For >50 To 75, Add	*6.37*	
		For >25 To 50, Add	*8.49*	
		For Up To 25, Add	*11.67*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.65*	
		For Bursting Ductile Iron Pipe, Add	*8.50*	
33 01 30 23-0041	LF	6" Diameter, Hydraulic Head Pipe Bursting	34.92	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.12*	
		For >150 To 200, Add	*1.87*	
		For >100 To 150, Add	*3.74*	
		For >75 To 100, Add	*5.61*	
		For >50 To 75, Add	*7.48*	
		For >25 To 50, Add	*9.98*	
		For Up To 25, Add	*13.72*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.12*	
		For Bursting Ductile Iron Pipe, Add	*9.73*	
33 01 30 23-0042	LF	8" Diameter, Hydraulic Head Pipe Bursting	39.19	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.65*	
		For >150 To 200, Add	*2.19*	
		For >100 To 150, Add	*4.38*	
		For >75 To 100, Add	*6.57*	
		For >50 To 75, Add	*8.76*	
		For >25 To 50, Add	*11.68*	
		For Up To 25, Add	*16.07*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.65*	
		For Bursting Ductile Iron Pipe, Add	*11.14*	
33 01 30 23-0043	LF	10" Diameter, Hydraulic Head Pipe Bursting	44.74	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.35*	
		For >150 To 200, Add	*2.61*	
		For >100 To 150, Add	*5.21*	
		For >75 To 100, Add	*7.82*	
		For >50 To 75, Add	*10.43*	
		For >25 To 50, Add	*13.90*	
		For Up To 25, Add	*19.12*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.35*	
		For Bursting Ductile Iron Pipe, Add	*12.97*	
33 01 30 23-0044	LF	12" Diameter, Hydraulic Head Pipe Bursting	51.15	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.15*	
		For >150 To 200, Add	*3.09*	
		For >100 To 150, Add	*6.18*	
		For >75 To 100, Add	*9.26*	
		For >50 To 75, Add	*12.35*	
		For >25 To 50, Add	*16.47*	
		For Up To 25, Add	*22.64*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.15*	
		For Bursting Ductile Iron Pipe, Add	*15.08*	
33 01 30 23-0045	LF	15" Diameter, Hydraulic Head Pipe Bursting	58.31	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.57*	
		For >150 To 200, Add	*3.34*	
		For >100 To 150, Add	*6.68*	
		For >75 To 100, Add	*10.02*	
		For >50 To 75, Add	*13.36*	
		For >25 To 50, Add	*17.81*	
		For Up To 25, Add	*24.49*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.57*	
		For Bursting Ductile Iron Pipe, Add	*16.76*	
33 01 30 23-0046	LF	18" Diameter, Hydraulic Head Pipe Bursting	65.16	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.42*	
		For >150 To 200, Add	*3.85*	
		For >100 To 150, Add	*7.71*	
		For >75 To 100, Add	*11.56*	
		For >50 To 75, Add	*15.41*	
		For >25 To 50, Add	*20.55*	
		For Up To 25, Add	*28.25*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.42*	
		For Bursting Ductile Iron Pipe, Add	*19.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0047	LF	21"/22" Diameter, Hydraulic Head Pipe Bursting	82.23	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.69*	
		For >150 To 200, Add	*4.61*	
		For >100 To 150, Add	*9.23*	
		For >75 To 100, Add	*13.84*	
		For >50 To 75, Add	*18.46*	
		For >25 To 50, Add	*24.61*	
		For Up To 25, Add	*33.84*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.69*	
		For Bursting Ductile Iron Pipe, Add	*23.41*	
33 01 30 23-0048	LF	24" Diameter, Hydraulic Head Pipe Bursting	106.52	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*10.73*	
		For >150 To 200, Add	*6.44*	
		For >100 To 150, Add	*12.87*	
		For >75 To 100, Add	*19.31*	
		For >50 To 75, Add	*25.74*	
		For >25 To 50, Add	*34.32*	
		For Up To 25, Add	*47.20*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*10.73*	
		For Bursting Ductile Iron Pipe, Add	*31.42*	
33 01 30 23-0049	LF	30" Diameter, Hydraulic Head Pipe Bursting	131.04	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*12.93*	
		For >150 To 200, Add	*7.76*	
		For >100 To 150, Add	*15.52*	
		For >75 To 100, Add	*23.28*	
		For >50 To 75, Add	*31.04*	
		For >25 To 50, Add	*41.38*	
		For Up To 25, Add	*56.90*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*12.93*	
		For Bursting Ductile Iron Pipe, Add	*38.28*	
33 01 30 23-0050	LF	36" Diameter, Hydraulic Head Pipe Bursting	159.34	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*16.47*	
		For >150 To 200, Add	*9.88*	
		For >100 To 150, Add	*19.76*	
		For >75 To 100, Add	*29.64*	
		For >50 To 75, Add	*39.53*	
		For >25 To 50, Add	*52.70*	
		For Up To 25, Add	*72.46*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*16.47*	
		For Bursting Ductile Iron Pipe, Add	*47.62*	

33 01 30 23-0051 Pipe Lining *(33 01 30 23-0001)*

33 01 30 23-0052 Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining *(33 01 30 23-0051)*

Note: Per each joint.

33 01 30 23-0053	EA	4" To 15", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	138.37
33 01 30 23-0054	EA	>15" To 24", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	158.76
33 01 30 23-0055	EA	>24" To 36", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	189.34

33 01 30 23-0056 High-Density Polyethylene (HDPE) Pipe Lining, DR 17 *(33 01 30 23-0051)*

Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0052 for pipe joint fusion.

33 01 30 23-0057	LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	4.32	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.47*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.27*	
		For White Interior Pipe, Add	*0.85*	
		For Gray Interior Pipe, Add	*0.65*	
33 01 30 23-0058	LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	5.71	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.71*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.92*	
		For White Interior Pipe, Add	*1.30*	
		For Gray Interior Pipe, Add	*0.98*	
33 01 30 23-0059	LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	7.43	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.01*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.74*	
		For White Interior Pipe, Add	*1.85*	
		For Gray Interior Pipe, Add	*1.40*	
33 01 30 23-0060	LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	8.35	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.17*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.17*	
		For White Interior Pipe, Add	*2.14*	
		For Gray Interior Pipe, Add	*1.62*	
33 01 30 23-0061	LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	11.40	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.71*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*4.64*	
		For White Interior Pipe, Add	*3.13*	
		For Gray Interior Pipe, Add	*2.37*	
33 01 30 23-0062	LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	16.70	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.65*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*7.20*	
		For White Interior Pipe, Add	*4.86*	
		For Gray Interior Pipe, Add	*3.68*	
33 01 30 23-0063	LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	22.74	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-3.73*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*10.13*	
		For White Interior Pipe, Add	*6.84*	
		For Gray Interior Pipe, Add	*5.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0064	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	24.88	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.10*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*11.15*	
		For White Interior Pipe, Add	*7.52*	
		For Gray Interior Pipe, Add	*5.70*	
33 01 30 23-0065	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	27.13	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.50*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*12.22*	
		For White Interior Pipe, Add	*8.25*	
		For Gray Interior Pipe, Add	*6.25*	
33 01 30 23-0066	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	34.91	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-5.87*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*15.96*	
		For White Interior Pipe, Add	*10.77*	
		For Gray Interior Pipe, Add	*8.16*	
33 01 30 23-0067	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	43.76	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-7.44*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*20.21*	
		For White Interior Pipe, Add	*13.64*	
		For Gray Interior Pipe, Add	*10.33*	
33 01 30 23-0068	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	53.60	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-9.18*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*24.94*	
		For White Interior Pipe, Add	*16.83*	
		For Gray Interior Pipe, Add	*12.75*	
33 01 30 23-0069	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	64.52	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-11.11*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*30.18*	
		For White Interior Pipe, Add	*20.36*	
		For Gray Interior Pipe, Add	*15.43*	
33 01 30 23-0070	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	76.49	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-13.22*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*35.92*	
		For White Interior Pipe, Add	*24.24*	
		For Gray Interior Pipe, Add	*18.37*	
33 01 30 23-0071	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	89.47	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-15.51*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*42.13*	
		For White Interior Pipe, Add	*28.43*	
		For Gray Interior Pipe, Add	*21.54*	
33 01 30 23-0072	LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	103.59	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-17.99*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*48.88*	
		For White Interior Pipe, Add	*32.98*	
		For Gray Interior Pipe, Add	*24.99*	
33 01 30 23-0073	LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	118.79	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-20.65*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*56.11*	
		For White Interior Pipe, Add	*37.86*	
		For Gray Interior Pipe, Add	*28.69*	
33 01 30 23-0074	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	135.07	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-23.49*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*63.82*	
		For White Interior Pipe, Add	*43.07*	
		For Gray Interior Pipe, Add	*32.63*	
33 01 30 23-0075	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	166.25	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-28.99*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*78.75*	
		For White Interior Pipe, Add	*53.15*	
		For Gray Interior Pipe, Add	*40.26*	
33 01 30 23-0076	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	171.28	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-29.74*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*80.79*	
		For White Interior Pipe, Add	*54.52*	
		For Gray Interior Pipe, Add	*41.30*	

33 01 30 23-0077 Re-Connection Of Non-Renewed Laterals *(33 01 30 23-0001)*

Note: Excludes earthwork excavation and backfill

33 01 30 23-0078 Re-Connection Of Laterals; Insert-A-Tee *(33 01 30 23-0077)*

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0039 for hauling.

33 01 30 23-0079	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee	1,288.87	
		For No Excavation, Deduct	*-850.58*	
33 01 30 23-0080	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee	1,447.46	
		For No Excavation, Deduct	*-956.90*	
33 01 30 23-0081	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,527.87	
		For No Excavation, Deduct	*-1,010.06*	
33 01 30 23-0082	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,608.29	
		For No Excavation, Deduct	*-1,063.22*	
33 01 30 23-0083	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,731.17	
		For No Excavation, Deduct	*-1,116.38*	
33 01 30 23-0084	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,623.93	
		For No Excavation, Deduct	*-1,063.22*	
33 01 30 23-0085	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,706.58	
		For No Excavation, Deduct	*-1,116.38*	
33 01 30 23-0086	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,820.51	
		For No Excavation, Deduct	*-1,169.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0087	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	2,086.45	
		For No Excavation, Deduct	*-1,222.71*	
33 01 30 23-0088	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	2,193.68	
		For No Excavation, Deduct	*-1,275.87*	
33 01 30 23-0089	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	2,595.93	
		For No Excavation, Deduct	*-1,329.03*	

33 01 30 23-0090 Re-Connection Of Laterals; Saddle Style *(33 01 30 23-0077)*

Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high-density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0039 for hauling.

33 01 30 23-0091	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,822.09	
		For No Excavation, Deduct	*-949.31*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-241.20*	
33 01 30 23-0092	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,108.82	
		For No Excavation, Deduct	*-987.28*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-224.77*	
33 01 30 23-0093	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,293.87	
		For No Excavation, Deduct	*-1,025.25*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-73.59*	
33 01 30 23-0094	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,521.70	
		For No Excavation, Deduct	*-1,139.17*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-119.16*	
33 01 30 23-0095	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)	7,911.83	
		For No Excavation, Deduct	*-1,215.11*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*336.20*	
33 01 30 23-0096	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)	8,577.14	
		For No Excavation, Deduct	*-1,348.01*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*342.96*	
33 01 30 23-0097	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,502.20	
		For No Excavation, Deduct	*-1,480.92*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*688.69*	
33 01 30 23-0098	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)	10,981.91	
		For No Excavation, Deduct	*-1,670.78*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*477.74*	
33 01 30 23-0099	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)	13,334.59	
		For No Excavation, Deduct	*-1,974.56*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*618.00*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*

Note: Includes flushing. Owner provided water.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*

Note: Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0003 Hydro Jet Set-up And Reinsertion *(33 01 30 41-0002)*

Note: Includes mobilization delivery, set-up, clean-up after use and return.

33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning	1,486.06
33 01 30 41-0005	EA	Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning	2,229.10
33 01 30 41-0006	EA	Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning	2,972.14
33 01 30 41-0007	EA	Initial Set Up And Final Equipment Removal For >30" Jet Cleaning	3,962.84
33 01 30 41-0008	EA	Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning	371.51
33 01 30 41-0009	EA	Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning	557.28
33 01 30 41-0010	EA	Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning	743.04
33 01 30 41-0011	EA	Move And Reset Up At Different Access/Location For >30" Jet Cleaning	928.79

33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

33 01 30 41-0013	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.00	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000 To 2,000, Deduct	*-0.60*	
		For >2,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.00*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.00*	
33 01 30 41-0014	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.58	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000 To 2,000, Deduct	*-0.69*	
		For >2,000 To 5,000, Deduct	*-0.92*	
		For >5,000, Deduct	*-1.15*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.44*	
33 01 30 41-0015	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.38	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 2,000, Deduct	*-0.81*	
		For >2,000 To 5,000, Deduct	*-1.08*	
		For >5,000, Deduct	*-1.35*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.04*	
33 01 30 41-0016	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.66	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 2,000, Deduct	*-1.00*	
		For >2,000 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-1.67*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0017	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.55	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000 To 2,000, Deduct	*-1.13*	
		For >2,000 To 5,000, Deduct	*-1.51*	
		For >5,000, Deduct	*-1.89*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.66*	
33 01 30 41-0018	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	8.72	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.31*	
		For >2,000 To 5,000, Deduct	*-1.74*	
		For >5,000, Deduct	*-2.18*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*6.54*	
33 01 30 41-0019	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	10.50	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-1.58*	
		For >2,000 To 5,000, Deduct	*-2.10*	
		For >5,000, Deduct	*-2.63*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*7.88*	
33 01 30 41-0020	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	11.91	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-1.19*	
		For >1,000 To 2,000, Deduct	*-1.79*	
		For >2,000 To 5,000, Deduct	*-2.38*	
		For >5,000, Deduct	*-2.98*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*8.93*	
33 01 30 41-0021	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	14.08	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000 To 5,000, Deduct	*-2.82*	
		For >5,000, Deduct	*-3.52*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*10.56*	
33 01 30 41-0022	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	17.69	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000 To 2,000, Deduct	*-2.65*	
		For >2,000 To 5,000, Deduct	*-3.54*	
		For >5,000, Deduct	*-4.42*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*13.27*	
33 01 30 41-0023	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	20.64	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000 To 2,000, Deduct	*-3.10*	
		For >2,000 To 5,000, Deduct	*-4.13*	
		For >5,000, Deduct	*-5.16*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*15.48*	

33 01 30 41-0024 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0025	LF	12" To 16" Diameter Pipe Line Flushing	1.49	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.22*	
		For >2,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.37*	
33 01 30 41-0026	LF	>16" To 24" Diameter Pipe Line Flushing	1.71	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.26*	
		For >2,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.43*	
33 01 30 41-0027	LF	>24" To 30" Diameter Pipe Line Flushing	2.01	
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.30*	
		For >2,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.50*	
33 01 30 41-0028	LF	>30" To 42" Diameter Pipe Line Flushing	2.31	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 2,000, Deduct	*-0.35*	
		For >2,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.58*	
33 01 30 41-0029	LF	>42" To 60" Diameter Pipe Line Flushing	3.08	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000 To 2,000, Deduct	*-0.46*	
		For >2,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-0.77*	

33 01 30 41-0030 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0031	LF	Jet Cleaning Of Culvert, 0-250 LF	18.49	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000 To 2,000, Deduct	*-2.77*	
		For >2,000 To 5,000, Deduct	*-3.70*	
		For >5,000, Deduct	*-4.62*	

33 01 30 41-0032 Pipe Line Cleaning, Mechanical Method *(33 01 30 41-0001)*

Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0033	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning	1,292.35	
33 01 30 41-0034	EA	Move And Reset Up At Different Access/Location	430.79	
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	7.48	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000 To 2,000, Deduct	*-1.08*	
		For >2,000 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-1.79*	
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	9.85	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.38*	
		For >2,000 To 5,000, Deduct	*-1.85*	
		For >5,000, Deduct	*-2.31*	
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	11.54	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000 To 2,000, Deduct	*-1.62*	
		For >2,000 To 5,000, Deduct	*-2.15*	
		For >5,000, Deduct	*-2.69*	
33 01 30 41-0038	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	13.35	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000 To 2,000, Deduct	*-1.86*	
		For >2,000 To 5,000, Deduct	*-2.48*	
		For >5,000, Deduct	*-3.11*	
33 01 30 41-0039	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	14.54	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000 To 2,000, Deduct	*-2.02*	
		For >2,000 To 5,000, Deduct	*-2.69*	
		For >5,000, Deduct	*-3.37*	
33 01 30 41-0040	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	16.78	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 2,000, Deduct	*-2.31*	
		For >2,000 To 5,000, Deduct	*-3.08*	
		For >5,000, Deduct	*-3.85*	
33 01 30 41-0041	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	21.17	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000 To 2,000, Deduct	*-2.85*	
		For >2,000 To 5,000, Deduct	*-3.80*	
		For >5,000, Deduct	*-4.75*	
33 01 30 41-0042	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	24.28	
		For >250 To 500, Deduct	*-1.06*	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000 To 2,000, Deduct	*-3.18*	
		For >2,000 To 5,000, Deduct	*-4.24*	
		For >5,000, Deduct	*-5.30*	
33 01 30 41-0043	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	28.25	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000 To 2,000, Deduct	*-3.66*	
		For >2,000 To 5,000, Deduct	*-4.88*	
		For >5,000, Deduct	*-6.10*	
33 01 30 41-0044	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	36.96	
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-3.23*	
		For >1,000 To 2,000, Deduct	*-4.85*	
		For >2,000 To 5,000, Deduct	*-6.46*	
		For >5,000, Deduct	*-8.08*	
33 01 30 41-0045	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	42.09	
		For >250 To 500, Deduct	*-1.79*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000 To 2,000, Deduct	*-5.38*	
		For >2,000 To 5,000, Deduct	*-7.18*	
		For >5,000, Deduct	*-8.97*	

33 01 30 41-0046 Pipe Line Auguring/Rod Out Pipe *(33 01 30 41-0001)*

33 01 30 41-0047	EA	Initial Set Up And Final Equipment Removal For Auguring	1,292.35	
33 01 30 41-0048	EA	Move And Reset Up At Different Location	430.79	
33 01 30 41-0049	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	4.31	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000 To 2,000, Deduct	*-0.65*	
		For >2,000 To 5,000, Deduct	*-0.86*	
		For >5,000, Deduct	*-1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0050	LF	6" Diameter Pipe Line Auguring/Rod Out	5.57	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 2,000, Deduct	*-0.84*	
		For >2,000 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-1.39*	
33 01 30 41-0051	LF	8" Diameter Pipe Line Auguring/Rod Out	6.46	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-0.97*	
		For >2,000 To 5,000, Deduct	*-1.29*	
		For >5,000, Deduct	*-1.62*	
33 01 30 41-0052	LF	10" Diameter Pipe Line Auguring/Rod Out	7.51	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.13*	
		For >2,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-1.88*	
33 01 30 41-0053	LF	12" Diameter Pipe Line Auguring/Rod Out	8.07	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.21*	
		For >2,000 To 5,000, Deduct	*-1.61*	
		For >5,000, Deduct	*-2.02*	
33 01 30 41-0054	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	9.23	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.38*	
		For >2,000 To 5,000, Deduct	*-1.85*	
		For >5,000, Deduct	*-2.31*	
33 01 30 41-0055	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	11.34	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-1.70*	
		For >2,000 To 5,000, Deduct	*-2.27*	
		For >5,000, Deduct	*-2.84*	
33 01 30 41-0056	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	12.67	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000 To 2,000, Deduct	*-1.90*	
		For >2,000 To 5,000, Deduct	*-2.53*	
		For >5,000, Deduct	*-3.17*	
33 01 30 41-0057	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	14.69	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000 To 2,000, Deduct	*-2.20*	
		For >2,000 To 5,000, Deduct	*-2.94*	
		For >5,000, Deduct	*-3.67*	
33 01 30 41-0058	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	20.20	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000 To 2,000, Deduct	*-3.03*	
		For >2,000 To 5,000, Deduct	*-4.04*	
		For >5,000, Deduct	*-5.05*	
33 01 30 41-0059	LF	>60" Diameter Pipe Line Auguring/Rod Out	21.53	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000 To 2,000, Deduct	*-3.23*	
		For >2,000 To 5,000, Deduct	*-4.31*	
		For >5,000, Deduct	*-5.38*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

33 01 30 42-0003	EA	Rod Out Waste Water Drain	56.79	
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin	113.59	
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage	22.72	
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage	24.99	
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage	28.39	
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage	32.94	
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	38.62	
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	45.43	
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	53.38	
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	61.33	
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	71.56	
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage	85.18	
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure	283.97	
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	923.85	
		For >10 To 100, Deduct	*-138.58*	
		For >100 To 250, Deduct	*-207.87*	
		For >250, Deduct	*-277.16*	
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	1,108.62	
		For >10 To 100, Deduct	*-166.29*	
		For >100 To 250, Deduct	*-249.44*	
		For >250, Deduct	*-332.59*	

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0018	EA			Clean Out Blocked Catch Basin By Hand	554.31	
				For >10 To 100, Deduct	*-83.15*	
				For >100 To 250, Deduct	*-124.72*	
				For >250, Deduct	*-166.29*	

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)*

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	302.14
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	280.87
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	259.62
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	238.37
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	217.11
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	195.85

33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	781.77
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	859.96
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	938.14

33 01 30 51 Maintenance of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	132.54
		For Stainless Steel Nuts And Bolts, Add	*20.64*
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	187.11
		For Stainless Steel Nuts And Bolts, Add	*31.10*
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	215.69
		For Stainless Steel Nuts And Bolts, Add	*36.63*
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	245.46
		For Stainless Steel Nuts And Bolts, Add	*42.14*
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	142.85
		For Stainless Steel Nuts And Bolts, Add	*22.41*
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	198.79
		For Stainless Steel Nuts And Bolts, Add	*33.19*
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	227.45
		For Stainless Steel Nuts And Bolts, Add	*38.59*
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	262.46
		For Stainless Steel Nuts And Bolts, Add	*45.15*
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	153.31
		For Stainless Steel Nuts And Bolts, Add	*24.52*
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	206.65
		For Stainless Steel Nuts And Bolts, Add	*34.70*
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	238.51
		For Stainless Steel Nuts And Bolts, Add	*40.68*
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	277.45
		For Stainless Steel Nuts And Bolts, Add	*48.30*
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	172.56
		For Stainless Steel Nuts And Bolts, Add	*27.88*
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	227.42
		For Stainless Steel Nuts And Bolts, Add	*37.53*
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	275.67
		For Stainless Steel Nuts And Bolts, Add	*45.68*
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	332.05
		For Stainless Steel Nuts And Bolts, Add	*55.11*
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	432.77
		For Stainless Steel Nuts And Bolts, Add	*74.02*
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	537.81
		For Stainless Steel Nuts And Bolts, Add	*92.93*
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	655.68
		For Stainless Steel Nuts And Bolts, Add	*113.99*
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	202.76
		For Stainless Steel Nuts And Bolts, Add	*32.90*
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	268.68
		For Stainless Steel Nuts And Bolts, Add	*44.63*
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	318.39
		For Stainless Steel Nuts And Bolts, Add	*52.62*
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	373.37
		For Stainless Steel Nuts And Bolts, Add	*61.15*
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	514.26
		For Stainless Steel Nuts And Bolts, Add	*88.61*
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	625.08
		For Stainless Steel Nuts And Bolts, Add	*108.06*
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	746.54
		For Stainless Steel Nuts And Bolts, Add	*129.12*
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	266.68
		For Stainless Steel Nuts And Bolts, Add	*39.36*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	345.88	
		For Stainless Steel Nuts And Bolts, Add	*52.08*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	417.35	
		For Stainless Steel Nuts And Bolts, Add	*63.02*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	498.52	
		For Stainless Steel Nuts And Bolts, Add	*75.10*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	658.99	
		For Stainless Steel Nuts And Bolts, Add	*104.04*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	788.18	
		For Stainless Steel Nuts And Bolts, Add	*124.41*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	934.08	
		For Stainless Steel Nuts And Bolts, Add	*146.43*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	311.00	
		For Stainless Steel Nuts And Bolts, Add	*47.90*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	416.49	
		For Stainless Steel Nuts And Bolts, Add	*66.26*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	490.92	
		For Stainless Steel Nuts And Bolts, Add	*77.47*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	601.76	
		For Stainless Steel Nuts And Bolts, Add	*95.82*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	787.26	
		For Stainless Steel Nuts And Bolts, Add	*129.97*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	897.95	
		For Stainless Steel Nuts And Bolts, Add	*145.27*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,152.18	
		For Stainless Steel Nuts And Bolts, Add	*191.65*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	354.36	
		For Stainless Steel Nuts And Bolts, Add	*54.03*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	461.75	
		For Stainless Steel Nuts And Bolts, Add	*71.86*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	557.24	
		For Stainless Steel Nuts And Bolts, Add	*86.96*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	684.80	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	878.54	
		For Stainless Steel Nuts And Bolts, Add	*142.72*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,034.00	
		For Stainless Steel Nuts And Bolts, Add	*166.67*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,311.05	
		For Stainless Steel Nuts And Bolts, Add	*216.11*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	773.89	
		For Stainless Steel Nuts And Bolts, Add	*207.89*	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,094.47	
		For Stainless Steel Nuts And Bolts, Add	*300.12*	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,472.36	
		For Stainless Steel Nuts And Bolts, Add	*407.00*	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,161.94	
		For Stainless Steel Nuts And Bolts, Add	*613.43*	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	812.34	
		For Stainless Steel Nuts And Bolts, Add	*218.12*	
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,145.78	
		For Stainless Steel Nuts And Bolts, Add	*314.03*	
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,537.76	
		For Stainless Steel Nuts And Bolts, Add	*424.56*	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,266.52	
		For Stainless Steel Nuts And Bolts, Add	*642.70*	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	833.65	
		For Stainless Steel Nuts And Bolts, Add	*222.53*	
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,173.77	
		For Stainless Steel Nuts And Bolts, Add	*319.90*	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,578.90	
		For Stainless Steel Nuts And Bolts, Add	*434.08*	
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,325.32	
		For Stainless Steel Nuts And Bolts, Add	*656.60*	
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	856.12	
		For Stainless Steel Nuts And Bolts, Add	*226.92*	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,205.70	
		For Stainless Steel Nuts And Bolts, Add	*326.48*	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,619.29	
		For Stainless Steel Nuts And Bolts, Add	*442.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,384.40	
		For Stainless Steel Nuts And Bolts, Add	*669.79*	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	876.47	
		For Stainless Steel Nuts And Bolts, Add	*230.58*	
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,233.28	
		For Stainless Steel Nuts And Bolts, Add	*331.60*	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,659.68	
		For Stainless Steel Nuts And Bolts, Add	*450.18*	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,438.22	
		For Stainless Steel Nuts And Bolts, Add	*680.76*	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	895.60	
		For Stainless Steel Nuts And Bolts, Add	*234.25*	
33 01 30 51-0072	EA	17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,261.26	
		For Stainless Steel Nuts And Bolts, Add	*337.45*	
33 01 30 51-0073	EA	17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,695.57	
		For Stainless Steel Nuts And Bolts, Add	*457.50*	
33 01 30 51-0074	EA	17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,473.42	
		For Stainless Steel Nuts And Bolts, Add	*686.25*	
33 01 30 51-0075	EA	18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	917.37	
		For Stainless Steel Nuts And Bolts, Add	*238.81*	
33 01 30 51-0076	EA	18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,294.13	
		For Stainless Steel Nuts And Bolts, Add	*344.77*	
33 01 30 51-0077	EA	18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,733.55	
		For Stainless Steel Nuts And Bolts, Add	*465.55*	
33 01 30 51-0078	EA	18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,548.43	
		For Stainless Steel Nuts And Bolts, Add	*705.65*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	84.83
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	98.77
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	116.09
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	130.65
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	200.64

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	101.40
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	118.46
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	238.31
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	96.27
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	86.36
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	101.07
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	124.66

33 01 30 51-0095 Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*

33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	185.11
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	145.21
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	172.42
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	143.04

33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters *(33 01 30 51-0080)*

33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	87.55
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	70.87
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	81.11
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	99.15
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	117.78
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	128.84

33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters *(33 01 30 51-0080)*

33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	102.34
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	109.01

33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 90.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 30 51-0111 Couplings For Steel Pipe, Cast Body (Compression) *(33 01 30 51-0110)*

Note: Includes gaskets.

33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	78.29	
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	78.34	
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	87.98	
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	97.72	
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	120.67	
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	146.98	
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	80.60	
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	80.90	
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	88.36	
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	98.91	
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	124.56	
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	148.70	
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	157.89	
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	184.73	
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	191.45	
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	214.20	
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	260.84	

33 01 30 51-0129 Reducing Couplings For Steel Pipe (Compression) *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	86.08	
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	90.50	
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	101.95	
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	106.22	
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	209.92	
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	127.30	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	127.90	
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	250.67	
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)	226.93	
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression)	170.46	
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression)	169.83	

33 01 30 51-0141 Steel Compression Repair Fittings, Elbows *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression)	144.98	
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression)	150.36	
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression)	194.57	
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)	246.23	
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression)	95.93	
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression)	98.74	
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression)	115.83	
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression)	166.57	
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression)	181.48	
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	96.25	
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)	83.35	
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	94.05	
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	119.08	
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)	154.62	
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	99.60	
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression)	89.61	
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	117.32	
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	141.28	
33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression)	202.11	

33 01 30 51-0161 Steel Compression Repair Fittings, Tees *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0162	EA	3/4" Street Tee (Compression)	103.52	
33 01 30 51-0163	EA	1" Street Tee (Compression)	121.93	
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression)	122.06	
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression)	139.98	
33 01 30 51-0166	EA	2" Street Tee (Compression)	215.69	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	120.85	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	126.92	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	158.98	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	186.38	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	187.59	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	156.40	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	209.76	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	240.21	
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression)	194.85	
33 01 30 51-0176	EA	1" Welding Street Tee (Compression)	194.22	
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression)	207.73	
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression)	249.57	
33 01 30 51-0179	EA	2" Welding Street Tee (Compression)	337.92	
33 01 30 51-0180	EA	3/4" Regular Tee (Compression)	141.72	
33 01 30 51-0181	EA	1" Regular Tee (Compression)	252.18	
33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression)	265.57	
33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression)	283.49	
33 01 30 51-0184	EA	2" Regular Tee (Compression)	313.26	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	308.39	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0187	EA	3/4" Male Adapter (Compression)	95.65
33 01 30 51-0188	EA	1" Male Adapter (Compression)	106.33
33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression)	139.56
33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression)	156.83
33 01 30 51-0191	EA	2" Male Adapter (Compression)	176.38
33 01 30 51-0192	EA	1" x 1-1/4" Male Adapter (Compression)	138.78

33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0194	EA	3/4" Line Caps (Compression)	51.57
33 01 30 51-0195	EA	1" Line Caps (Compression)	60.04
33 01 30 51-0196	EA	1-1/4" Line Caps (Compression)	68.64
33 01 30 51-0197	EA	1-1/2" Line Caps (Compression)	80.54
33 01 30 51-0198	EA	2" Line Caps (Compression)	99.60

33 01 30 51-0199 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket. Dresser style 38

33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	76.23
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	93.99
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	107.57
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	127.77
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	158.01
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	211.52
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	198.20
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	258.25
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	266.31
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	274.37
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	298.11
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	311.79
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	328.93
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	387.04
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	392.44
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	412.10
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	411.69
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	426.30
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	444.95
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	480.07
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	501.66
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	519.39
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	593.35
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	695.30
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	674.56
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	890.67
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	1,031.40
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	1,235.91
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	1,360.39
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	1,468.76
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	1,847.10
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	1,943.39

33 01 30 51-0232 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket, protected. Dresser style 38.

33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	78.54
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	93.67
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	107.43
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	126.70
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	188.75
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	184.52
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	186.64
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	274.37
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	282.43
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	290.49
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	320.07
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	305.86
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	313.34
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	415.33
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	419.27
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	602.09
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	420.33
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	441.31
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	449.41
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	526.95
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	534.91
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	547.74
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	612.70
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	715.45
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	694.71
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	910.38

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,051.55	
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,266.13	
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,400.69	
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,509.05	
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,887.40	
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,983.68	

33 01 30 51-0265 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	92.87	
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	108.25	
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	124.54	
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	148.92	
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	188.75	
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	224.74	
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	236.71	
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	274.37	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	282.43	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	290.49	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	320.07	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	348.80	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	359.72	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	415.33	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	419.27	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	465.41	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	420.33	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	441.31	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	449.41	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	526.95	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	534.91	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	547.74	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	612.70	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	715.45	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	694.71	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	910.38	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,051.55	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,235.91	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,400.69	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,509.05	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,887.40	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,983.68	

33 01 30 51-0298 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	158.81	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	170.76	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	177.11	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	273.98	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	296.02	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	307.25	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	352.04	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	349.50	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	389.10	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	400.02	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	544.39	
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	558.88	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	578.03	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	587.64	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	596.08	
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	740.28	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	799.09	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	813.35	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	813.15	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	1,037.91	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,082.20	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,253.92	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,578.07	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,537.70	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,716.58	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,861.21	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	2,023.98	

33 01 30 51-0326 Grind Offset Joint *(33 01 30 51-0001)*

33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint	469.07	
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint	625.42	
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint	781.77	
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint	938.14	

33 01 30 51-0331 Pipe Plugging *(33 01 30 51-0001)*

33 01 30 51-0332 Gravity Bladder Type, Temporary Pipe Plugging *(33 01 30 51-0331)*

Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0333	EA	3/4" Bladder Type, Temporary Pipe Plug	82.33	
33 01 30 51-0334	EA	1" Bladder Type, Temporary Pipe Plug	88.05	
33 01 30 51-0335	EA	1-1/4" Bladder Type, Temporary Pipe Plug	94.78	
33 01 30 51-0336	EA	1-1/2" Bladder Type, Temporary Pipe Plug	101.10	
33 01 30 51-0337	EA	2" Bladder Type, Temporary Pipe Plug	107.23	
33 01 30 51-0338	EA	2-1/2" Bladder Type, Temporary Pipe Plug	113.95	
33 01 30 51-0339	EA	3" Bladder Type, Temporary Pipe Plug	122.19	
33 01 30 51-0340	EA	4" Bladder Type, Temporary Pipe Plug	134.32	
33 01 30 51-0341	EA	5" Bladder Type, Temporary Pipe Plug	145.63	
33 01 30 51-0342	EA	6" Bladder Type, Temporary Pipe Plug	162.57	
33 01 30 51-0343	EA	8" Bladder Type, Temporary Pipe Plug	180.40	
33 01 30 51-0344	EA	10" Bladder Type, Temporary Pipe Plug	209.15	
33 01 30 51-0345	EA	12" Bladder Type, Temporary Pipe Plug	242.59	
33 01 30 51-0346	EA	14" Bladder Type, Temporary Pipe Plug	289.11	
33 01 30 51-0347	EA	16" Bladder Type, Temporary Pipe Plug	348.48	
33 01 30 51-0348	EA	18" Bladder Type, Temporary Pipe Plug	419.77	
33 01 30 51-0349	EA	20" Bladder Type, Temporary Pipe Plug	498.73	
33 01 30 51-0350	EA	24" Bladder Type, Temporary Pipe Plug	575.14	
33 01 30 51-0351		Hydra Stop, Hot Tapping Of Pressure Pipe *(33 01 30 51-0331)*		
		Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0352	EA	2" Hydra Stop, Line Stopper	2,862.87	
33 01 30 51-0353	EA	2-1/2" Hydra Stop, Line Stopper	3,592.37	
33 01 30 51-0354	EA	3" Hydra Stop, Line Stopper	4,404.66	
33 01 30 51-0355	EA	4" Hydra Stop, Line Stopper	5,311.84	
33 01 30 51-0356	EA	5" Hydra Stop, Line Stopper	5,984.50	
33 01 30 51-0357	EA	6" Hydra Stop, Line Stopper	7,053.88	
33 01 30 51-0358	EA	8" Hydra Stop, Line Stopper	7,726.54	
33 01 30 51-0359	EA	10" Hydra Stop, Line Stopper	8,795.89	
33 01 30 51-0360	EA	12" Hydra Stop, Line Stopper	9,865.29	
33 01 30 51-0361	EA	14" Hydra Stop, Line Stopper	11,003.62	
33 01 30 51-0362	EA	16" Hydra Stop, Line Stopper	12,555.92	
33 01 30 51-0363	EA	18" Hydra Stop, Line Stopper	14,315.12	
33 01 30 51-0364	EA	20" Hydra Stop, Line Stopper	17,039.94	
33 01 30 51-0365		Aluminum Expansion Plugs *(33 01 30 51-0331)*		
		Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0366	EA	3" Pipe Aluminum Expansion Plug	80.59	
33 01 30 51-0367	EA	4" Pipe Aluminum Expansion Plug	116.25	
33 01 30 51-0368	EA	5" Pipe Aluminum Expansion Plug	131.03	
33 01 30 51-0369	EA	6" Pipe Aluminum Expansion Plug	199.36	
33 01 30 51-0370	EA	8" Pipe Aluminum Expansion Plug	204.83	
33 01 30 51-0371	EA	10" Pipe Aluminum Expansion Plug	256.39	
33 01 30 51-0372	EA	12" Pipe Aluminum Expansion Plug	347.01	
33 01 30 51-0373	EA	14" Pipe Aluminum Expansion Plug	560.97	
33 01 30 51-0374	EA	15" Pipe Aluminum Expansion Plug	607.61	
33 01 30 51-0375		PolySeal Pipe Coupler *(33 01 30 51-0001)*		
33 01 30 51-0376	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	368.01	
33 01 30 51-0377	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	415.55	
33 01 30 71		**Relining Sewers** *(33 01 30)*		
33 01 30 71-0001		Relining Underground Pipelines *(33 01 30 71)*		
		Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002		Polyvinyl Chloride (PVC) Liner Pipe *(33 01 30 71-0001)*		
		Note: Sanitary and storm sewer trenchless slip-lining.		
33 01 30 71-0003	LF	12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	32.39	
33 01 30 71-0004	LF	15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	48.65	
33 01 30 71-0005	LF	18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	65.54	
33 01 30 71-0006	LF	21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	81.33	
33 01 30 71-0007	LF	24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	106.60	
33 01 30 71-0008	LF	27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	127.95	
33 01 30 71-0009	LF	30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	146.49	
33 01 30 71-0010	LF	36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	209.32	
33 01 30 71-0011		Lining Pipe, Spray Applied With Structural Polyurethane *(33 01 30 71-0001)*		
		Note: Two part structural polyurethane.		
33 01 30 71-0012		Mobilization And Setup For Spray Applied Structural Polyurethane Lining *(33 01 30 71-0011)*		
33 01 30 71-0013	EA	Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	1,928.18	
33 01 30 71-0014		Lining Pipe, Spray Applied With 100 mil Structural Polyurethane *(33 01 30 71-0011)*		
		Note: Two part structural polyurethane.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0015	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	61.29	
		For Up To 75, Add	*13.30*	
		For >75 To 150, Add	*6.13*	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000 To 2,000, Deduct	*-3.18*	
		For >2,000 To 5,000, Deduct	*-4.93*	
		For >5,000, Deduct	*-7.17*	
33 01 30 71-0016	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	71.50	
		For Up To 75, Add	*15.51*	
		For >75 To 150, Add	*7.15*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000 To 2,000, Deduct	*-3.71*	
		For >2,000 To 5,000, Deduct	*-5.75*	
		For >5,000, Deduct	*-8.36*	
33 01 30 71-0017	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	81.72	
		For Up To 75, Add	*17.73*	
		For >75 To 150, Add	*8.17*	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000 To 2,000, Deduct	*-4.24*	
		For >2,000 To 5,000, Deduct	*-6.57*	
		For >5,000, Deduct	*-9.56*	
33 01 30 71-0018	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	91.93	
		For Up To 75, Add	*19.95*	
		For >75 To 150, Add	*9.19*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000 To 2,000, Deduct	*-4.77*	
		For >2,000 To 5,000, Deduct	*-7.39*	
		For >5,000, Deduct	*-10.75*	
33 01 30 71-0019	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	102.15	
		For Up To 75, Add	*22.16*	
		For >75 To 150, Add	*10.22*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000 To 2,000, Deduct	*-5.30*	
		For >2,000 To 5,000, Deduct	*-8.21*	
		For >5,000, Deduct	*-11.95*	
33 01 30 71-0020	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	112.36	
		For Up To 75, Add	*24.38*	
		For >75 To 150, Add	*11.24*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000 To 2,000, Deduct	*-5.83*	
		For >2,000 To 5,000, Deduct	*-9.03*	
		For >5,000, Deduct	*-13.14*	
33 01 30 71-0021	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	122.57	
		For Up To 75, Add	*26.59*	
		For >75 To 150, Add	*12.26*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000 To 2,000, Deduct	*-6.36*	
		For >2,000 To 5,000, Deduct	*-9.85*	
		For >5,000, Deduct	*-14.34*	
33 01 30 71-0022	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	132.78	
		For Up To 75, Add	*28.81*	
		For >75 To 150, Add	*13.28*	
		For >500 To 1,000, Deduct	*-3.56*	
		For >1,000 To 2,000, Deduct	*-6.89*	
		For >2,000 To 5,000, Deduct	*-10.67*	
		For >5,000, Deduct	*-15.53*	
33 01 30 71-0023	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	143.00	
		For Up To 75, Add	*31.03*	
		For >75 To 150, Add	*14.30*	
		For >500 To 1,000, Deduct	*-3.83*	
		For >1,000 To 2,000, Deduct	*-7.42*	
		For >2,000 To 5,000, Deduct	*-11.49*	
		For >5,000, Deduct	*-16.73*	
33 01 30 71-0024	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	153.21	
		For Up To 75, Add	*33.24*	
		For >75 To 150, Add	*15.32*	
		For >500 To 1,000, Deduct	*-4.10*	
		For >1,000 To 2,000, Deduct	*-7.95*	
		For >2,000 To 5,000, Deduct	*-12.31*	
		For >5,000, Deduct	*-17.92*	
33 01 30 71-0025	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	163.42	
		For Up To 75, Add	*35.46*	
		For >75 To 150, Add	*16.34*	
		For >500 To 1,000, Deduct	*-4.38*	
		For >1,000 To 2,000, Deduct	*-8.48*	
		For >2,000 To 5,000, Deduct	*-13.13*	
		For >5,000, Deduct	*-19.12*	
33 01 30 71-0026	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	173.64	
		For Up To 75, Add	*37.67*	
		For >75 To 150, Add	*17.36*	
		For >500 To 1,000, Deduct	*-4.65*	
		For >1,000 To 2,000, Deduct	*-9.01*	
		For >2,000 To 5,000, Deduct	*-13.95*	
		For >5,000, Deduct	*-20.31*	
33 01 30 71-0027	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	183.85	
		For Up To 75, Add	*39.89*	
		For >75 To 150, Add	*18.39*	
		For >500 To 1,000, Deduct	*-4.92*	
		For >1,000 To 2,000, Deduct	*-9.54*	
		For >2,000 To 5,000, Deduct	*-14.77*	
		For >5,000, Deduct	*-21.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0028	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	194.07	
		For Up To 75, Add	*42.11*	
		For >75 To 150, Add	*19.41*	
		For >500 To 1,000, Deduct	*-5.20*	
		For >1,000 To 2,000, Deduct	*-10.07*	
		For >2,000 To 5,000, Deduct	*-15.60*	
		For >5,000, Deduct	*-22.70*	
33 01 30 71-0029	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	204.29	
		For Up To 75, Add	*44.32*	
		For >75 To 150, Add	*20.43*	
		For >500 To 1,000, Deduct	*-5.47*	
		For >1,000 To 2,000, Deduct	*-10.60*	
		For >2,000 To 5,000, Deduct	*-16.42*	
		For >5,000, Deduct	*-23.90*	
33 01 30 71-0030	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.50	

33 01 30 71-0031 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0032	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	82.67	
		For Up To 75, Add	*17.63*	
		For >75 To 150, Add	*8.27*	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000 To 2,000, Deduct	*-4.07*	
		For >2,000 To 5,000, Deduct	*-6.27*	
		For >5,000, Deduct	*-9.36*	
33 01 30 71-0033	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	96.44	
		For Up To 75, Add	*20.57*	
		For >75 To 150, Add	*9.64*	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000 To 2,000, Deduct	*-4.75*	
		For >2,000 To 5,000, Deduct	*-7.32*	
		For >5,000, Deduct	*-10.92*	
33 01 30 71-0034	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	110.21	
		For Up To 75, Add	*23.50*	
		For >75 To 150, Add	*11.02*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000 To 2,000, Deduct	*-5.43*	
		For >2,000 To 5,000, Deduct	*-8.36*	
		For >5,000, Deduct	*-12.48*	
33 01 30 71-0035	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	123.99	
		For Up To 75, Add	*26.44*	
		For >75 To 150, Add	*12.40*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000 To 2,000, Deduct	*-6.11*	
		For >2,000 To 5,000, Deduct	*-9.41*	
		For >5,000, Deduct	*-14.04*	
33 01 30 71-0036	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	137.77	
		For Up To 75, Add	*29.38*	
		For >75 To 150, Add	*13.78*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000 To 2,000, Deduct	*-6.79*	
		For >2,000 To 5,000, Deduct	*-10.46*	
		For >5,000, Deduct	*-15.60*	
33 01 30 71-0037	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	151.55	
		For Up To 75, Add	*32.32*	
		For >75 To 150, Add	*15.16*	
		For >500 To 1,000, Deduct	*-3.83*	
		For >1,000 To 2,000, Deduct	*-7.47*	
		For >2,000 To 5,000, Deduct	*-11.50*	
		For >5,000, Deduct	*-17.16*	
33 01 30 71-0038	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	165.33	
		For Up To 75, Add	*35.26*	
		For >75 To 150, Add	*16.53*	
		For >500 To 1,000, Deduct	*-4.18*	
		For >1,000 To 2,000, Deduct	*-8.15*	
		For >2,000 To 5,000, Deduct	*-12.55*	
		For >5,000, Deduct	*-18.72*	
33 01 30 71-0039	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	179.10	
		For Up To 75, Add	*38.19*	
		For >75 To 150, Add	*17.91*	
		For >500 To 1,000, Deduct	*-4.53*	
		For >1,000 To 2,000, Deduct	*-8.82*	
		For >2,000 To 5,000, Deduct	*-13.59*	
		For >5,000, Deduct	*-20.28*	
33 01 30 71-0040	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	192.88	
		For Up To 75, Add	*41.13*	
		For >75 To 150, Add	*19.29*	
		For >500 To 1,000, Deduct	*-4.88*	
		For >1,000 To 2,000, Deduct	*-9.50*	
		For >2,000 To 5,000, Deduct	*-14.64*	
		For >5,000, Deduct	*-21.84*	
33 01 30 71-0041	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	206.65	
		For Up To 75, Add	*44.07*	
		For >75 To 150, Add	*20.67*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000 To 2,000, Deduct	*-10.18*	
		For >2,000 To 5,000, Deduct	*-15.68*	
		For >5,000, Deduct	*-23.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0042	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	220.44	
		For Up To 75, Add	*47.01*	
		For >75 To 150, Add	*22.04*	
		For >500 To 1,000, Deduct	*-5.58*	
		For >1,000 To 2,000, Deduct	*-10.86*	
		For >2,000 To 5,000, Deduct	*-16.73*	
		For >5,000, Deduct	*-24.96*	
33 01 30 71-0043	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	234.21	
		For Up To 75, Add	*49.94*	
		For >75 To 150, Add	*23.42*	
		For >500 To 1,000, Deduct	*-5.92*	
		For >1,000 To 2,000, Deduct	*-11.54*	
		For >2,000 To 5,000, Deduct	*-17.77*	
		For >5,000, Deduct	*-26.52*	
33 01 30 71-0044	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	247.99	
		For Up To 75, Add	*52.88*	
		For >75 To 150, Add	*24.80*	
		For >500 To 1,000, Deduct	*-6.27*	
		For >1,000 To 2,000, Deduct	*-12.22*	
		For >2,000 To 5,000, Deduct	*-18.82*	
		For >5,000, Deduct	*-28.08*	
33 01 30 71-0045	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	261.76	
		For Up To 75, Add	*55.82*	
		For >75 To 150, Add	*26.18*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000 To 2,000, Deduct	*-12.90*	
		For >2,000 To 5,000, Deduct	*-19.87*	
		For >5,000, Deduct	*-29.64*	
33 01 30 71-0046	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	275.55	
		For Up To 75, Add	*58.76*	
		For >75 To 150, Add	*27.56*	
		For >500 To 1,000, Deduct	*-6.97*	
		For >1,000 To 2,000, Deduct	*-13.58*	
		For >2,000 To 5,000, Deduct	*-20.91*	
		For >5,000, Deduct	*-31.20*	
33 01 30 71-0047	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	8.78	

33 01 30 71-0048 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0049	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	104.01	
		For Up To 75, Add	*21.95*	
		For >75 To 150, Add	*10.40*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000 To 2,000, Deduct	*-4.97*	
		For >2,000 To 5,000, Deduct	*-7.62*	
		For >5,000, Deduct	*-11.55*	
33 01 30 71-0050	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	121.36	
		For Up To 75, Add	*25.62*	
		For >75 To 150, Add	*12.14*	
		For >500 To 1,000, Deduct	*-2.97*	
		For >1,000 To 2,000, Deduct	*-5.80*	
		For >2,000 To 5,000, Deduct	*-8.90*	
		For >5,000, Deduct	*-13.48*	
33 01 30 71-0051	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	138.69	
		For Up To 75, Add	*29.27*	
		For >75 To 150, Add	*13.87*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000 To 2,000, Deduct	*-6.62*	
		For >2,000 To 5,000, Deduct	*-10.17*	
		For >5,000, Deduct	*-15.41*	
33 01 30 71-0052	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	156.03	
		For Up To 75, Add	*32.93*	
		For >75 To 150, Add	*15.60*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000 To 2,000, Deduct	*-7.45*	
		For >2,000 To 5,000, Deduct	*-11.44*	
		For >5,000, Deduct	*-17.33*	
33 01 30 71-0053	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	173.37	
		For Up To 75, Add	*36.59*	
		For >75 To 150, Add	*17.34*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000 To 2,000, Deduct	*-8.28*	
		For >2,000 To 5,000, Deduct	*-12.71*	
		For >5,000, Deduct	*-19.26*	
33 01 30 71-0054	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	190.70	
		For Up To 75, Add	*40.25*	
		For >75 To 150, Add	*19.07*	
		For >500 To 1,000, Deduct	*-4.66*	
		For >1,000 To 2,000, Deduct	*-9.11*	
		For >2,000 To 5,000, Deduct	*-13.98*	
		For >5,000, Deduct	*-21.18*	
33 01 30 71-0055	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	208.04	
		For Up To 75, Add	*43.91*	
		For >75 To 150, Add	*20.80*	
		For >500 To 1,000, Deduct	*-5.08*	
		For >1,000 To 2,000, Deduct	*-9.93*	
		For >2,000 To 5,000, Deduct	*-15.25*	
		For >5,000, Deduct	*-23.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0056	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	225.37	
		For Up To 75, Add	*47.57*	
		For >75 To 150, Add	*22.54*	
		For >500 To 1,000, Deduct	*-5.51*	
		For >1,000 To 2,000, Deduct	*-10.76*	
		For >2,000 To 5,000, Deduct	*-16.52*	
		For >5,000, Deduct	*-25.03*	
33 01 30 71-0057	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	242.71	
		For Up To 75, Add	*51.23*	
		For >75 To 150, Add	*24.27*	
		For >500 To 1,000, Deduct	*-5.93*	
		For >1,000 To 2,000, Deduct	*-11.59*	
		For >2,000 To 5,000, Deduct	*-17.79*	
		For >5,000, Deduct	*-26.96*	
33 01 30 71-0058	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	260.04	
		For Up To 75, Add	*54.89*	
		For >75 To 150, Add	*26.00*	
		For >500 To 1,000, Deduct	*-6.35*	
		For >1,000 To 2,000, Deduct	*-12.42*	
		For >2,000 To 5,000, Deduct	*-19.06*	
		For >5,000, Deduct	*-28.88*	
33 01 30 71-0059	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	277.39	
		For Up To 75, Add	*58.55*	
		For >75 To 150, Add	*27.74*	
		For >500 To 1,000, Deduct	*-6.78*	
		For >1,000 To 2,000, Deduct	*-13.25*	
		For >2,000 To 5,000, Deduct	*-20.33*	
		For >5,000, Deduct	*-30.81*	
33 01 30 71-0060	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	294.72	
		For Up To 75, Add	*62.21*	
		For >75 To 150, Add	*29.47*	
		For >500 To 1,000, Deduct	*-7.20*	
		For >1,000 To 2,000, Deduct	*-14.07*	
		For >2,000 To 5,000, Deduct	*-21.60*	
		For >5,000, Deduct	*-32.74*	
33 01 30 71-0061	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	312.06	
		For Up To 75, Add	*65.87*	
		For >75 To 150, Add	*31.21*	
		For >500 To 1,000, Deduct	*-7.62*	
		For >1,000 To 2,000, Deduct	*-14.90*	
		For >2,000 To 5,000, Deduct	*-22.87*	
		For >5,000, Deduct	*-34.66*	
33 01 30 71-0062	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	329.41	
		For Up To 75, Add	*69.53*	
		For >75 To 150, Add	*32.94*	
		For >500 To 1,000, Deduct	*-8.05*	
		For >1,000 To 2,000, Deduct	*-15.73*	
		For >2,000 To 5,000, Deduct	*-24.14*	
		For >5,000, Deduct	*-36.59*	
33 01 30 71-0063	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	346.72	
		For Up To 75, Add	*73.18*	
		For >75 To 150, Add	*34.67*	
		For >500 To 1,000, Deduct	*-8.47*	
		For >1,000 To 2,000, Deduct	*-16.56*	
		For >2,000 To 5,000, Deduct	*-25.41*	
		For >5,000, Deduct	*-38.51*	
33 01 30 71-0064	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	11.03	

33 01 30 71-0065 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0066	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	125.48	
		For Up To 75, Add	*26.31*	
		For >75 To 150, Add	*12.55*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000 To 2,000, Deduct	*-5.87*	
		For >2,000 To 5,000, Deduct	*-8.98*	
		For >5,000, Deduct	*-13.76*	
33 01 30 71-0067	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	146.40	
		For Up To 75, Add	*30.70*	
		For >75 To 150, Add	*14.64*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000 To 2,000, Deduct	*-6.85*	
		For >2,000 To 5,000, Deduct	*-10.48*	
		For >5,000, Deduct	*-16.06*	
33 01 30 71-0068	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	167.30	
		For Up To 75, Add	*35.08*	
		For >75 To 150, Add	*16.73*	
		For >500 To 1,000, Deduct	*-3.99*	
		For >1,000 To 2,000, Deduct	*-7.82*	
		For >2,000 To 5,000, Deduct	*-11.98*	
		For >5,000, Deduct	*-18.35*	
33 01 30 71-0069	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	188.21	
		For Up To 75, Add	*39.46*	
		For >75 To 150, Add	*18.82*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000 To 2,000, Deduct	*-8.80*	
		For >2,000 To 5,000, Deduct	*-13.48*	
		For >5,000, Deduct	*-20.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0070	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	209.12	
		For Up To 75, Add	*43.85*	
		For >75 To 150, Add	*20.91*	
		For >500 To 1,000, Deduct	*-4.99*	
		For >1,000 To 2,000, Deduct	*-9.78*	
		For >2,000 To 5,000, Deduct	*-14.97*	
		For >5,000, Deduct	*-22.93*	
33 01 30 71-0071	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	230.03	
		For Up To 75, Add	*48.23*	
		For >75 To 150, Add	*23.00*	
		For >500 To 1,000, Deduct	*-5.49*	
		For >1,000 To 2,000, Deduct	*-10.76*	
		For >2,000 To 5,000, Deduct	*-16.47*	
		For >5,000, Deduct	*-25.23*	
33 01 30 71-0072	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	250.95	
		For Up To 75, Add	*52.62*	
		For >75 To 150, Add	*25.10*	
		For >500 To 1,000, Deduct	*-5.99*	
		For >1,000 To 2,000, Deduct	*-11.74*	
		For >2,000 To 5,000, Deduct	*-17.97*	
		For >5,000, Deduct	*-27.52*	
33 01 30 71-0073	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	271.87	
		For Up To 75, Add	*57.00*	
		For >75 To 150, Add	*27.19*	
		For >500 To 1,000, Deduct	*-6.49*	
		For >1,000 To 2,000, Deduct	*-12.71*	
		For >2,000 To 5,000, Deduct	*-19.47*	
		For >5,000, Deduct	*-29.82*	
33 01 30 71-0074	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	292.77	
		For Up To 75, Add	*61.38*	
		For >75 To 150, Add	*29.28*	
		For >500 To 1,000, Deduct	*-6.99*	
		For >1,000 To 2,000, Deduct	*-13.69*	
		For >2,000 To 5,000, Deduct	*-20.96*	
		For >5,000, Deduct	*-32.11*	
33 01 30 71-0075	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	313.69	
		For Up To 75, Add	*65.77*	
		For >75 To 150, Add	*31.37*	
		For >500 To 1,000, Deduct	*-7.49*	
		For >1,000 To 2,000, Deduct	*-14.67*	
		For >2,000 To 5,000, Deduct	*-22.46*	
		For >5,000, Deduct	*-34.40*	
33 01 30 71-0076	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	334.60	
		For Up To 75, Add	*70.15*	
		For >75 To 150, Add	*33.46*	
		For >500 To 1,000, Deduct	*-7.99*	
		For >1,000 To 2,000, Deduct	*-15.65*	
		For >2,000 To 5,000, Deduct	*-23.96*	
		For >5,000, Deduct	*-36.69*	
33 01 30 71-0077	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	355.51	
		For Up To 75, Add	*74.54*	
		For >75 To 150, Add	*35.55*	
		For >500 To 1,000, Deduct	*-8.48*	
		For >1,000 To 2,000, Deduct	*-16.63*	
		For >2,000 To 5,000, Deduct	*-25.45*	
		For >5,000, Deduct	*-38.99*	
33 01 30 71-0078	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	376.43	
		For Up To 75, Add	*78.93*	
		For >75 To 150, Add	*37.64*	
		For >500 To 1,000, Deduct	*-8.98*	
		For >1,000 To 2,000, Deduct	*-17.60*	
		For >2,000 To 5,000, Deduct	*-26.95*	
		For >5,000, Deduct	*-41.28*	
33 01 30 71-0079	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	397.33	
		For Up To 75, Add	*83.31*	
		For >75 To 150, Add	*39.73*	
		For >500 To 1,000, Deduct	*-9.48*	
		For >1,000 To 2,000, Deduct	*-18.58*	
		For >2,000 To 5,000, Deduct	*-28.45*	
		For >5,000, Deduct	*-43.57*	
33 01 30 71-0080	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	418.25	
		For Up To 75, Add	*87.69*	
		For >75 To 150, Add	*41.83*	
		For >500 To 1,000, Deduct	*-9.98*	
		For >1,000 To 2,000, Deduct	*-19.56*	
		For >2,000 To 5,000, Deduct	*-29.95*	
		For >5,000, Deduct	*-45.87*	
33 01 30 71-0081	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	13.31	

33 01 30 71-0082 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0083	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	147.08	
		For Up To 75, Add	*30.69*	
		For >75 To 150, Add	*14.71*	
		For >500 To 1,000, Deduct	*-3.45*	
		For >1,000 To 2,000, Deduct	*-6.78*	
		For >2,000 To 5,000, Deduct	*-10.36*	
		For >5,000, Deduct	*-15.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0084	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	171.58	
		For Up To 75, Add	*35.81*	
		For >75 To 150, Add	*17.16*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000 To 2,000, Deduct	*-7.91*	
		For >2,000 To 5,000, Deduct	*-12.08*	
		For >5,000, Deduct	*-18.65*	
33 01 30 71-0085	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	196.10	
		For Up To 75, Add	*40.92*	
		For >75 To 150, Add	*19.61*	
		For >500 To 1,000, Deduct	*-4.60*	
		For >1,000 To 2,000, Deduct	*-9.04*	
		For >2,000 To 5,000, Deduct	*-13.81*	
		For >5,000, Deduct	*-21.31*	
33 01 30 71-0086	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	220.60	
		For Up To 75, Add	*46.04*	
		For >75 To 150, Add	*22.06*	
		For >500 To 1,000, Deduct	*-5.18*	
		For >1,000 To 2,000, Deduct	*-10.16*	
		For >2,000 To 5,000, Deduct	*-15.53*	
		For >5,000, Deduct	*-23.98*	
33 01 30 71-0087	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	245.12	
		For Up To 75, Add	*51.15*	
		For >75 To 150, Add	*24.51*	
		For >500 To 1,000, Deduct	*-5.75*	
		For >1,000 To 2,000, Deduct	*-11.29*	
		For >2,000 To 5,000, Deduct	*-17.26*	
		For >5,000, Deduct	*-26.64*	
33 01 30 71-0088	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	269.64	
		For Up To 75, Add	*56.27*	
		For >75 To 150, Add	*26.96*	
		For >500 To 1,000, Deduct	*-6.33*	
		For >1,000 To 2,000, Deduct	*-12.42*	
		For >2,000 To 5,000, Deduct	*-18.99*	
		For >5,000, Deduct	*-29.31*	
33 01 30 71-0089	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	294.14	
		For Up To 75, Add	*61.38*	
		For >75 To 150, Add	*29.41*	
		For >500 To 1,000, Deduct	*-6.90*	
		For >1,000 To 2,000, Deduct	*-13.55*	
		For >2,000 To 5,000, Deduct	*-20.71*	
		For >5,000, Deduct	*-31.97*	
33 01 30 71-0090	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	318.65	
		For Up To 75, Add	*66.50*	
		For >75 To 150, Add	*31.87*	
		For >500 To 1,000, Deduct	*-7.48*	
		For >1,000 To 2,000, Deduct	*-14.68*	
		For >2,000 To 5,000, Deduct	*-22.44*	
		For >5,000, Deduct	*-34.63*	
33 01 30 71-0091	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	343.16	
		For Up To 75, Add	*71.61*	
		For >75 To 150, Add	*34.32*	
		For >500 To 1,000, Deduct	*-8.05*	
		For >1,000 To 2,000, Deduct	*-15.81*	
		For >2,000 To 5,000, Deduct	*-24.16*	
		For >5,000, Deduct	*-37.30*	
33 01 30 71-0092	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	367.68	
		For Up To 75, Add	*76.73*	
		For >75 To 150, Add	*36.77*	
		For >500 To 1,000, Deduct	*-8.63*	
		For >1,000 To 2,000, Deduct	*-16.94*	
		For >2,000 To 5,000, Deduct	*-25.89*	
		For >5,000, Deduct	*-39.96*	
33 01 30 71-0093	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	392.20	
		For Up To 75, Add	*81.85*	
		For >75 To 150, Add	*39.22*	
		For >500 To 1,000, Deduct	*-9.21*	
		For >1,000 To 2,000, Deduct	*-18.07*	
		For >2,000 To 5,000, Deduct	*-27.62*	
		For >5,000, Deduct	*-42.63*	
33 01 30 71-0094	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	416.71	
		For Up To 75, Add	*86.96*	
		For >75 To 150, Add	*41.67*	
		For >500 To 1,000, Deduct	*-9.78*	
		For >1,000 To 2,000, Deduct	*-19.20*	
		For >2,000 To 5,000, Deduct	*-29.34*	
		For >5,000, Deduct	*-45.29*	
33 01 30 71-0095	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	441.21	
		For Up To 75, Add	*92.07*	
		For >75 To 150, Add	*44.12*	
		For >500 To 1,000, Deduct	*-10.36*	
		For >1,000 To 2,000, Deduct	*-20.33*	
		For >2,000 To 5,000, Deduct	*-31.07*	
		For >5,000, Deduct	*-47.95*	
33 01 30 71-0096	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	465.72	
		For Up To 75, Add	*97.19*	
		For >75 To 150, Add	*46.57*	
		For >500 To 1,000, Deduct	*-10.93*	
		For >1,000 To 2,000, Deduct	*-21.46*	
		For >2,000 To 5,000, Deduct	*-32.79*	
		For >5,000, Deduct	*-50.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0097	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	490.24	
		For Up To 75, Add	*102.30*	
		For >75 To 150, Add	*49.02*	
		For >500 To 1,000, Deduct	*-11.51*	
		For >1,000 To 2,000, Deduct	*-22.59*	
		For >2,000 To 5,000, Deduct	*-34.52*	
		For >5,000, Deduct	*-53.28*	
33 01 30 71-0098	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	15.61	

33 01 30 71-0099 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0100	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	190.32	
		For Up To 75, Add	*39.48*	
		For >75 To 150, Add	*19.03*	
		For >500 To 1,000, Deduct	*-4.37*	
		For >1,000 To 2,000, Deduct	*-8.61*	
		For >2,000 To 5,000, Deduct	*-13.12*	
		For >5,000, Deduct	*-20.45*	
33 01 30 71-0101	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	222.05	
		For Up To 75, Add	*46.07*	
		For >75 To 150, Add	*22.21*	
		For >500 To 1,000, Deduct	*-5.10*	
		For >1,000 To 2,000, Deduct	*-10.04*	
		For >2,000 To 5,000, Deduct	*-15.31*	
		For >5,000, Deduct	*-23.86*	
33 01 30 71-0102	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	253.76	
		For Up To 75, Add	*52.64*	
		For >75 To 150, Add	*25.38*	
		For >500 To 1,000, Deduct	*-5.83*	
		For >1,000 To 2,000, Deduct	*-11.47*	
		For >2,000 To 5,000, Deduct	*-17.50*	
		For >5,000, Deduct	*-27.27*	
33 01 30 71-0103	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	285.48	
		For Up To 75, Add	*59.22*	
		For >75 To 150, Add	*28.55*	
		For >500 To 1,000, Deduct	*-6.56*	
		For >1,000 To 2,000, Deduct	*-12.91*	
		For >2,000 To 5,000, Deduct	*-19.68*	
		For >5,000, Deduct	*-30.68*	
33 01 30 71-0104	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	317.20	
		For Up To 75, Add	*65.80*	
		For >75 To 150, Add	*31.72*	
		For >500 To 1,000, Deduct	*-7.29*	
		For >1,000 To 2,000, Deduct	*-14.34*	
		For >2,000 To 5,000, Deduct	*-21.87*	
		For >5,000, Deduct	*-34.08*	
33 01 30 71-0105	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	348.92	
		For Up To 75, Add	*72.39*	
		For >75 To 150, Add	*34.89*	
		For >500 To 1,000, Deduct	*-8.02*	
		For >1,000 To 2,000, Deduct	*-15.78*	
		For >2,000 To 5,000, Deduct	*-24.06*	
		For >5,000, Deduct	*-37.49*	
33 01 30 71-0106	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	380.64	
		For Up To 75, Add	*78.97*	
		For >75 To 150, Add	*38.06*	
		For >500 To 1,000, Deduct	*-8.75*	
		For >1,000 To 2,000, Deduct	*-17.21*	
		For >2,000 To 5,000, Deduct	*-26.24*	
		For >5,000, Deduct	*-40.90*	
33 01 30 71-0107	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	412.36	
		For Up To 75, Add	*85.55*	
		For >75 To 150, Add	*41.24*	
		For >500 To 1,000, Deduct	*-9.48*	
		For >1,000 To 2,000, Deduct	*-18.65*	
		For >2,000 To 5,000, Deduct	*-28.43*	
		For >5,000, Deduct	*-44.31*	
33 01 30 71-0108	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	444.08	
		For Up To 75, Add	*92.13*	
		For >75 To 150, Add	*44.41*	
		For >500 To 1,000, Deduct	*-10.21*	
		For >1,000 To 2,000, Deduct	*-20.08*	
		For >2,000 To 5,000, Deduct	*-30.62*	
		For >5,000, Deduct	*-47.72*	
33 01 30 71-0109	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	475.81	
		For Up To 75, Add	*98.71*	
		For >75 To 150, Add	*47.58*	
		For >500 To 1,000, Deduct	*-10.94*	
		For >1,000 To 2,000, Deduct	*-21.52*	
		For >2,000 To 5,000, Deduct	*-32.81*	
		For >5,000, Deduct	*-51.13*	
33 01 30 71-0110	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	507.52	
		For Up To 75, Add	*105.29*	
		For >75 To 150, Add	*50.75*	
		For >500 To 1,000, Deduct	*-11.66*	
		For >1,000 To 2,000, Deduct	*-22.95*	
		For >2,000 To 5,000, Deduct	*-34.99*	
		For >5,000, Deduct	*-54.54*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0111	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	539.24	
		For Up To 75, Add	*111.87*	
		For >75 To 150, Add	*53.92*	
		For >500 To 1,000, Deduct	*-12.39*	
		For >1,000 To 2,000, Deduct	*-24.38*	
		For >2,000 To 5,000, Deduct	*-37.18*	
		For >5,000, Deduct	*-57.94*	
33 01 30 71-0112	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	570.96	
		For Up To 75, Add	*118.45*	
		For >75 To 150, Add	*57.10*	
		For >500 To 1,000, Deduct	*-13.12*	
		For >1,000 To 2,000, Deduct	*-25.82*	
		For >2,000 To 5,000, Deduct	*-39.36*	
		For >5,000, Deduct	*-61.35*	
33 01 30 71-0113	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	602.68	
		For Up To 75, Add	*125.03*	
		For >75 To 150, Add	*60.27*	
		For >500 To 1,000, Deduct	*-13.85*	
		For >1,000 To 2,000, Deduct	*-27.25*	
		For >2,000 To 5,000, Deduct	*-41.55*	
		For >5,000, Deduct	*-64.76*	
33 01 30 71-0114	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	634.40	
		For Up To 75, Add	*131.61*	
		For >75 To 150, Add	*63.44*	
		For >500 To 1,000, Deduct	*-14.58*	
		For >1,000 To 2,000, Deduct	*-28.69*	
		For >2,000 To 5,000, Deduct	*-43.74*	
		For >5,000, Deduct	*-68.17*	
33 01 30 71-0115	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	20.19	

33 01 30 71-0116 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0117	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	233.96	
		For Up To 75, Add	*48.37*	
		For >75 To 150, Add	*23.40*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000 To 2,000, Deduct	*-10.46*	
		For >2,000 To 5,000, Deduct	*-15.93*	
		For >5,000, Deduct	*-24.97*	
33 01 30 71-0118	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	272.95	
		For Up To 75, Add	*56.43*	
		For >75 To 150, Add	*27.30*	
		For >500 To 1,000, Deduct	*-6.19*	
		For >1,000 To 2,000, Deduct	*-12.21*	
		For >2,000 To 5,000, Deduct	*-18.58*	
		For >5,000, Deduct	*-29.13*	
33 01 30 71-0119	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	311.95	
		For Up To 75, Add	*64.49*	
		For >75 To 150, Add	*31.20*	
		For >500 To 1,000, Deduct	*-7.08*	
		For >1,000 To 2,000, Deduct	*-13.95*	
		For >2,000 To 5,000, Deduct	*-21.24*	
		For >5,000, Deduct	*-33.30*	
33 01 30 71-0120	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	350.94	
		For Up To 75, Add	*72.55*	
		For >75 To 150, Add	*35.09*	
		For >500 To 1,000, Deduct	*-7.96*	
		For >1,000 To 2,000, Deduct	*-15.69*	
		For >2,000 To 5,000, Deduct	*-23.89*	
		For >5,000, Deduct	*-37.46*	
33 01 30 71-0121	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	389.93	
		For Up To 75, Add	*80.61*	
		For >75 To 150, Add	*38.99*	
		For >500 To 1,000, Deduct	*-8.85*	
		For >1,000 To 2,000, Deduct	*-17.44*	
		For >2,000 To 5,000, Deduct	*-26.55*	
		For >5,000, Deduct	*-41.62*	
33 01 30 71-0122	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	428.93	
		For Up To 75, Add	*88.68*	
		For >75 To 150, Add	*42.89*	
		For >500 To 1,000, Deduct	*-9.73*	
		For >1,000 To 2,000, Deduct	*-19.18*	
		For >2,000 To 5,000, Deduct	*-29.20*	
		For >5,000, Deduct	*-45.78*	
33 01 30 71-0123	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	467.92	
		For Up To 75, Add	*96.74*	
		For >75 To 150, Add	*46.79*	
		For >500 To 1,000, Deduct	*-10.62*	
		For >1,000 To 2,000, Deduct	*-20.92*	
		For >2,000 To 5,000, Deduct	*-31.86*	
		For >5,000, Deduct	*-49.94*	
33 01 30 71-0124	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	506.92	
		For Up To 75, Add	*104.80*	
		For >75 To 150, Add	*50.69*	
		For >500 To 1,000, Deduct	*-11.50*	
		For >1,000 To 2,000, Deduct	*-22.67*	
		For >2,000 To 5,000, Deduct	*-34.51*	
		For >5,000, Deduct	*-54.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0125	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	545.90	
		For Up To 75, Add	*112.86*	
		For >75 To 150, Add	*54.59*	
		For >500 To 1,000, Deduct	*-12.39*	
		For >1,000 To 2,000, Deduct	*-24.41*	
		For >2,000 To 5,000, Deduct	*-37.17*	
		For >5,000, Deduct	*-58.27*	
33 01 30 71-0126	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	584.90	
		For Up To 75, Add	*120.92*	
		For >75 To 150, Add	*58.49*	
		For >500 To 1,000, Deduct	*-13.27*	
		For >1,000 To 2,000, Deduct	*-26.15*	
		For >2,000 To 5,000, Deduct	*-39.82*	
		For >5,000, Deduct	*-62.43*	
33 01 30 71-0127	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	623.89	
		For Up To 75, Add	*128.98*	
		For >75 To 150, Add	*62.39*	
		For >500 To 1,000, Deduct	*-14.16*	
		For >1,000 To 2,000, Deduct	*-27.90*	
		For >2,000 To 5,000, Deduct	*-42.48*	
		For >5,000, Deduct	*-66.59*	
33 01 30 71-0128	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	662.89	
		For Up To 75, Add	*137.04*	
		For >75 To 150, Add	*66.29*	
		For >500 To 1,000, Deduct	*-15.04*	
		For >1,000 To 2,000, Deduct	*-29.64*	
		For >2,000 To 5,000, Deduct	*-45.13*	
		For >5,000, Deduct	*-70.76*	
33 01 30 71-0129	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	701.88	
		For Up To 75, Add	*145.11*	
		For >75 To 150, Add	*70.19*	
		For >500 To 1,000, Deduct	*-15.93*	
		For >1,000 To 2,000, Deduct	*-31.39*	
		For >2,000 To 5,000, Deduct	*-47.79*	
		For >5,000, Deduct	*-74.92*	
33 01 30 71-0130	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	740.88	
		For Up To 75, Add	*153.17*	
		For >75 To 150, Add	*74.09*	
		For >500 To 1,000, Deduct	*-16.81*	
		For >1,000 To 2,000, Deduct	*-33.13*	
		For >2,000 To 5,000, Deduct	*-50.44*	
		For >5,000, Deduct	*-79.08*	
33 01 30 71-0131	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	779.87	
		For Up To 75, Add	*161.23*	
		For >75 To 150, Add	*77.99*	
		For >500 To 1,000, Deduct	*-17.70*	
		For >1,000 To 2,000, Deduct	*-34.87*	
		For >2,000 To 5,000, Deduct	*-53.10*	
		For >5,000, Deduct	*-83.24*	
33 01 30 71-0132	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	24.83	

33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	1,684.14
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	2,806.89
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	4,210.34
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP)	5,613.78
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	842.06
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	1,403.45
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	1,754.31
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP)	2,245.52
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	1,403.45
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	3,368.27
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	5,613.78
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	8,420.68

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)

(33 01 30 72-0001)

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	25.58	
		For Vinlyester Resin, Add	*7.60*	
		For Epoxy Resin, Add	*0.90*	
		For Up To >10, Add	*49.62*	
		For >10 To 25, Add	*39.54*	
		For >25 To 50, Add	*24.27*	
		For >50 To 100, Add	*12.13*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000 To 2,000, Deduct	*-2.66*	
		For >2,000 To 5,000, Deduct	*-4.98*	
		For >5,000, Deduct	*-8.06*	
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	31.53	
		For Vinlyester Resin, Add	*11.76*	
		For Epoxy Resin, Add	*1.39*	
		For Up To >10, Add	*52.59*	
		For >10 To 25, Add	*41.03*	
		For >25 To 50, Add	*25.46*	
		For >50 To 100, Add	*12.73*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000 To 2,000, Deduct	*-3.10*	
		For >2,000 To 5,000, Deduct	*-5.70*	
		For >5,000, Deduct	*-9.25*	
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	37.48	
		For Vinlyester Resin, Add	*15.93*	
		For Epoxy Resin, Add	*1.88*	
		For Up To >10, Add	*55.57*	
		For >10 To 25, Add	*42.51*	
		For >25 To 50, Add	*26.65*	
		For >50 To 100, Add	*13.32*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000 To 2,000, Deduct	*-3.55*	
		For >2,000 To 5,000, Deduct	*-6.41*	
		For >5,000, Deduct	*-10.44*	
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	50.80	
		For Vinlyester Resin, Add	*24.26*	
		For Epoxy Resin, Add	*2.86*	
		For Up To >10, Add	*65.75*	
		For >10 To 25, Add	*49.02*	
		For >25 To 50, Add	*31.14*	
		For >50 To 100, Add	*15.57*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000 To 2,000, Deduct	*-4.62*	
		For >2,000 To 5,000, Deduct	*-8.19*	
		For >5,000, Deduct	*-13.39*	
33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	64.10	
		For Vinlyester Resin, Add	*32.59*	
		For Epoxy Resin, Add	*3.84*	
		For Up To >10, Add	*75.90*	
		For >10 To 25, Add	*55.49*	
		For >25 To 50, Add	*35.62*	
		For >50 To 100, Add	*17.81*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000 To 2,000, Deduct	*-5.68*	
		For >2,000 To 5,000, Deduct	*-9.97*	
		For >5,000, Deduct	*-16.33*	

33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	36.66	
		For Vinlyester Resin, Add	*15.35*	
		For Epoxy Resin, Add	*1.81*	
		For Up To >10, Add	*55.16*	
		For >10 To 25, Add	*42.31*	
		For >25 To 50, Add	*26.48*	
		For >50 To 100, Add	*13.24*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000 To 2,000, Deduct	*-3.49*	
		For >2,000 To 5,000, Deduct	*-6.31*	
		For >5,000, Deduct	*-10.28*	
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	44.60	
		For Vinlyester Resin, Add	*20.91*	
		For Epoxy Resin, Add	*2.46*	
		For Up To >10, Add	*59.13*	
		For >10 To 25, Add	*44.29*	
		For >25 To 50, Add	*28.07*	
		For >50 To 100, Add	*14.03*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000 To 2,000, Deduct	*-4.08*	
		For >2,000 To 5,000, Deduct	*-7.27*	
		For >5,000, Deduct	*-11.87*	
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	61.88	
		For Vinlyester Resin, Add	*32.02*	
		For Epoxy Resin, Add	*3.77*	
		For Up To >10, Add	*71.29*	
		For >10 To 25, Add	*51.79*	
		For >25 To 50, Add	*33.36*	
		For >50 To 100, Add	*16.68*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000 To 2,000, Deduct	*-5.45*	
		For >2,000 To 5,000, Deduct	*-9.52*	
		For >5,000, Deduct	*-15.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	79.15	
		For Vinlyester Resin, Add	*43.13*	
		For Epoxy Resin, Add	*5.08*	
		For Up To >10, Add	*83.43*	
		For >10 To 25, Add	*59.25*	
		For >25 To 50, Add	*38.63*	
		For >50 To 100, Add	*19.32*	
		For >500 To 1,000, Deduct	*-4.40*	
		For >1,000 To 2,000, Deduct	*-6.81*	
		For >2,000 To 5,000, Deduct	*-11.78*	
		For >5,000, Deduct	*-19.34*	
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	96.57	
		For Vinlyester Resin, Add	*54.24*	
		For Epoxy Resin, Add	*6.39*	
		For Up To >10, Add	*96.01*	
		For >10 To 25, Add	*67.10*	
		For >25 To 50, Add	*44.13*	
		For >50 To 100, Add	*22.07*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000 To 2,000, Deduct	*-8.20*	
		For >2,000 To 5,000, Deduct	*-14.07*	
		For >5,000, Deduct	*-23.13*	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	114.40	
		For Vinlyester Resin, Add	*65.35*	
		For Epoxy Resin, Add	*7.70*	
		For Up To >10, Add	*109.83*	
		For >10 To 25, Add	*75.96*	
		For >25 To 50, Add	*50.25*	
		For >50 To 100, Add	*25.12*	
		For >500 To 1,000, Deduct	*-6.25*	
		For >1,000 To 2,000, Deduct	*-9.63*	
		For >2,000 To 5,000, Deduct	*-16.46*	
		For >5,000, Deduct	*-27.09*	

33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	51.48	
		For Vinlyester Resin, Add	*25.73*	
		For Epoxy Resin, Add	*3.03*	
		For Up To >10, Add	*62.57*	
		For >10 To 25, Add	*46.01*	
		For >25 To 50, Add	*29.45*	
		For >50 To 100, Add	*14.72*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000 To 2,000, Deduct	*-4.60*	
		For >2,000 To 5,000, Deduct	*-8.09*	
		For >5,000, Deduct	*-13.24*	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	72.72	
		For Vinlyester Resin, Add	*39.61*	
		For Epoxy Resin, Add	*4.67*	
		For Up To >10, Add	*76.71*	
		For >10 To 25, Add	*54.50*	
		For >25 To 50, Add	*35.53*	
		For >50 To 100, Add	*17.76*	
		For >500 To 1,000, Deduct	*-4.04*	
		For >1,000 To 2,000, Deduct	*-6.26*	
		For >2,000 To 5,000, Deduct	*-10.82*	
		For >5,000, Deduct	*-17.77*	
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	93.97	
		For Vinlyester Resin, Add	*53.50*	
		For Epoxy Resin, Add	*6.31*	
		For Up To >10, Add	*90.84*	
		For >10 To 25, Add	*62.96*	
		For >25 To 50, Add	*41.60*	
		For >50 To 100, Add	*20.80*	
		For >500 To 1,000, Deduct	*-5.14*	
		For >1,000 To 2,000, Deduct	*-7.92*	
		For >2,000 To 5,000, Deduct	*-13.56*	
		For >5,000, Deduct	*-22.30*	
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	115.35	
		For Vinlyester Resin, Add	*67.38*	
		For Epoxy Resin, Add	*7.94*	
		For Up To >10, Add	*105.40*	
		For >10 To 25, Add	*71.79*	
		For >25 To 50, Add	*47.89*	
		For >50 To 100, Add	*23.94*	
		For >500 To 1,000, Deduct	*-6.24*	
		For >1,000 To 2,000, Deduct	*-9.61*	
		For >2,000 To 5,000, Deduct	*-16.32*	
		For >5,000, Deduct	*-26.89*	
33 01 30 72-0034	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	137.15	
		For Vinlyester Resin, Add	*81.27*	
		For Epoxy Resin, Add	*9.58*	
		For Up To >10, Add	*121.20*	
		For >10 To 25, Add	*81.65*	
		For >25 To 50, Add	*54.80*	
		For >50 To 100, Add	*27.40*	
		For >500 To 1,000, Deduct	*-7.38*	
		For >1,000 To 2,000, Deduct	*-11.34*	
		For >2,000 To 5,000, Deduct	*-19.19*	
		For >5,000, Deduct	*-31.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0035	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	169.72	
		For Vinlyester Resin, Add	*102.10*	
		For Epoxy Resin, Add	*12.03*	
		For Up To >10, Add	*144.51*	
		For >10 To 25, Add	*96.12*	
		For >25 To 50, Add	*64.96*	
		For >50 To 100, Add	*32.48*	
		For >500 To 1,000, Deduct	*-9.08*	
		For >1,000 To 2,000, Deduct	*-13.92*	
		For >2,000 To 5,000, Deduct	*-23.47*	
		For >5,000, Deduct	*-38.72*	
33 01 30 72-0036	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	202.56	
		For Vinlyester Resin, Add	*122.93*	
		For Epoxy Resin, Add	*14.49*	
		For Up To >10, Add	*168.63*	
		For >10 To 25, Add	*111.26*	
		For >25 To 50, Add	*75.53*	
		For >50 To 100, Add	*37.77*	
		For >500 To 1,000, Deduct	*-10.80*	
		For >1,000 To 2,000, Deduct	*-16.54*	
		For >2,000 To 5,000, Deduct	*-27.81*	
		For >5,000, Deduct	*-45.90*	

33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	83.34	
		For Vinlyester Resin, Add	*47.04*	
		For Epoxy Resin, Add	*5.54*	
		For Up To >10, Add	*82.02*	
		For >10 To 25, Add	*57.15*	
		For >25 To 50, Add	*37.65*	
		For >50 To 100, Add	*18.83*	
		For >500 To 1,000, Deduct	*-4.57*	
		For >1,000 To 2,000, Deduct	*-7.06*	
		For >2,000 To 5,000, Deduct	*-12.10*	
		For >5,000, Deduct	*-19.90*	
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	108.55	
		For Vinlyester Resin, Add	*63.71*	
		For Epoxy Resin, Add	*7.51*	
		For Up To >10, Add	*98.13*	
		For >10 To 25, Add	*66.60*	
		For >25 To 50, Add	*44.51*	
		For >50 To 100, Add	*22.26*	
		For >500 To 1,000, Deduct	*-5.87*	
		For >1,000 To 2,000, Deduct	*-9.02*	
		For >2,000 To 5,000, Deduct	*-15.31*	
		For >5,000, Deduct	*-25.22*	
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	133.91	
		For Vinlyester Resin, Add	*80.37*	
		For Epoxy Resin, Add	*9.47*	
		For Up To >10, Add	*114.68*	
		For >10 To 25, Add	*76.43*	
		For >25 To 50, Add	*51.60*	
		For >50 To 100, Add	*25.80*	
		For >500 To 1,000, Deduct	*-7.17*	
		For >1,000 To 2,000, Deduct	*-11.00*	
		For >2,000 To 5,000, Deduct	*-18.55*	
		For >5,000, Deduct	*-30.60*	
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	159.67	
		For Vinlyester Resin, Add	*97.03*	
		For Epoxy Resin, Add	*11.44*	
		For Up To >10, Add	*132.46*	
		For >10 To 25, Add	*87.28*	
		For >25 To 50, Add	*59.30*	
		For >50 To 100, Add	*29.65*	
		For >500 To 1,000, Deduct	*-8.51*	
		For >1,000 To 2,000, Deduct	*-13.03*	
		For >2,000 To 5,000, Deduct	*-21.90*	
		For >5,000, Deduct	*-36.14*	
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	198.19	
		For Vinlyester Resin, Add	*122.03*	
		For Epoxy Resin, Add	*14.38*	
		For Up To >10, Add	*158.75*	
		For >10 To 25, Add	*103.23*	
		For >25 To 50, Add	*70.66*	
		For >50 To 100, Add	*35.33*	
		For >500 To 1,000, Deduct	*-10.51*	
		For >1,000 To 2,000, Deduct	*-16.06*	
		For >2,000 To 5,000, Deduct	*-26.88*	
		For >5,000, Deduct	*-44.41*	
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	236.98	
		For Vinlyester Resin, Add	*147.03*	
		For Epoxy Resin, Add	*17.33*	
		For Up To >10, Add	*185.84*	
		For >10 To 25, Add	*119.86*	
		For >25 To 50, Add	*82.42*	
		For >50 To 100, Add	*41.21*	
		For >500 To 1,000, Deduct	*-12.52*	
		For >1,000 To 2,000, Deduct	*-19.12*	
		For >2,000 To 5,000, Deduct	*-31.94*	
		For >5,000, Deduct	*-52.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	274.94	
		For Vinlyester Resin, Add	*172.02*	
		For Epoxy Resin, Add	*20.27*	
		For Up To >10, Add	*210.47*	
		For >10 To 25, Add	*134.44*	
		For >25 To 50, Add	*92.95*	
		For >50 To 100, Add	*46.47*	
		For >500 To 1,000, Deduct	*-14.48*	
		For >1,000 To 2,000, Deduct	*-22.08*	
		For >2,000 To 5,000, Deduct	*-36.79*	
		For >5,000, Deduct	*-60.83*	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	313.32	
		For Vinlyester Resin, Add	*197.02*	
		For Epoxy Resin, Add	*23.22*	
		For Up To >10, Add	*236.31*	
		For >10 To 25, Add	*150.02*	
		For >25 To 50, Add	*104.08*	
		For >50 To 100, Add	*52.04*	
		For >500 To 1,000, Deduct	*-16.46*	
		For >1,000 To 2,000, Deduct	*-25.09*	
		For >2,000 To 5,000, Deduct	*-41.74*	
		For >5,000, Deduct	*-69.04*	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0047	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	226.42	
		For Vinlyester Resin, Add	*141.79*	
		For Epoxy Resin, Add	*16.71*	
		For Up To >10, Add	*172.86*	
		For >10 To 25, Add	*110.29*	
		For >25 To 50, Add	*76.30*	
		For >50 To 100, Add	*38.15*	
		For >500 To 1,000, Deduct	*-11.92*	
		For >1,000 To 2,000, Deduct	*-18.17*	
		For >2,000 To 5,000, Deduct	*-30.27*	
		For >5,000, Deduct	*-50.06*	
33 01 30 72-0048	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	271.16	
		For Vinlyester Resin, Add	*170.95*	
		For Epoxy Resin, Add	*20.15*	
		For Up To >10, Add	*202.93*	
		For >10 To 25, Add	*128.41*	
		For >25 To 50, Add	*89.25*	
		For >50 To 100, Add	*44.63*	
		For >500 To 1,000, Deduct	*-14.23*	
		For >1,000 To 2,000, Deduct	*-21.68*	
		For >2,000 To 5,000, Deduct	*-36.04*	
		For >5,000, Deduct	*-59.62*	
33 01 30 72-0049	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	315.09	
		For Vinlyester Resin, Add	*200.12*	
		For Epoxy Resin, Add	*23.59*	
		For Up To >10, Add	*230.55*	
		For >10 To 25, Add	*144.47*	
		For >25 To 50, Add	*100.98*	
		For >50 To 100, Add	*50.49*	
		For >500 To 1,000, Deduct	*-16.48*	
		For >1,000 To 2,000, Deduct	*-25.09*	
		For >2,000 To 5,000, Deduct	*-41.61*	
		For >5,000, Deduct	*-68.86*	
33 01 30 72-0050	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	359.40	
		For Vinlyester Resin, Add	*229.28*	
		For Epoxy Resin, Add	*27.02*	
		For Up To >10, Add	*259.35*	
		For >10 To 25, Add	*161.54*	
		For >25 To 50, Add	*113.30*	
		For >50 To 100, Add	*56.65*	
		For >500 To 1,000, Deduct	*-18.77*	
		For >1,000 To 2,000, Deduct	*-28.55*	
		For >2,000 To 5,000, Deduct	*-47.27*	
		For >5,000, Deduct	*-78.25*	
33 01 30 72-0051	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	404.29	
		For Vinlyester Resin, Add	*258.44*	
		For Epoxy Resin, Add	*30.46*	
		For Up To >10, Add	*289.87*	
		For >10 To 25, Add	*180.03*	
		For >25 To 50, Add	*126.48*	
		For >50 To 100, Add	*63.24*	
		For >500 To 1,000, Deduct	*-21.09*	
		For >1,000 To 2,000, Deduct	*-32.08*	
		For >2,000 To 5,000, Deduct	*-53.08*	
		For >5,000, Deduct	*-87.88*	
33 01 30 72-0052	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	449.88	
		For Vinlyester Resin, Add	*287.61*	
		For Epoxy Resin, Add	*33.90*	
		For Up To >10, Add	*322.47*	
		For >10 To 25, Add	*200.24*	
		For >25 To 50, Add	*140.69*	
		For >50 To 100, Add	*70.34*	
		For >500 To 1,000, Deduct	*-23.47*	
		For >1,000 To 2,000, Deduct	*-35.69*	
		For >2,000 To 5,000, Deduct	*-59.06*	
		For >5,000, Deduct	*-97.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0053	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	538.12	
		For Vinlyester Resin, Add	*345.93*	
		For Epoxy Resin, Add	*40.77*	
		For Up To >10, Add	*378.89*	
		For >10 To 25, Add	*233.37*	
		For >25 To 50, Add	*164.73*	
		For >50 To 100, Add	*82.37*	
		For >500 To 1,000, Deduct	*-28.00*	
		For >1,000 To 2,000, Deduct	*-42.56*	
		For >2,000 To 5,000, Deduct	*-70.29*	
		For >5,000, Deduct	*-116.41*	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0055	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	254.42	
		For Vinlyester Resin, Add	*161.39*	
		For Epoxy Resin, Add	*19.02*	
		For Up To >10, Add	*186.86*	
		For >10 To 25, Add	*117.29*	
		For >25 To 50, Add	*81.90*	
		For >50 To 100, Add	*40.95*	
		For >500 To 1,000, Deduct	*-13.32*	
		For >1,000 To 2,000, Deduct	*-20.27*	
		For >2,000 To 5,000, Deduct	*-33.63*	
		For >5,000, Deduct	*-55.66*	
33 01 30 72-0056	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	305.12	
		For Vinlyester Resin, Add	*194.73*	
		For Epoxy Resin, Add	*22.95*	
		For Up To >10, Add	*219.91*	
		For >10 To 25, Add	*136.90*	
		For >25 To 50, Add	*96.05*	
		For >50 To 100, Add	*48.02*	
		For >500 To 1,000, Deduct	*-15.93*	
		For >1,000 To 2,000, Deduct	*-24.23*	
		For >2,000 To 5,000, Deduct	*-40.12*	
		For >5,000, Deduct	*-66.41*	
33 01 30 72-0057	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	354.99	
		For Vinlyester Resin, Add	*228.05*	
		For Epoxy Resin, Add	*26.88*	
		For Up To >10, Add	*250.50*	
		For >10 To 25, Add	*154.45*	
		For >25 To 50, Add	*108.96*	
		For >50 To 100, Add	*54.48*	
		For >500 To 1,000, Deduct	*-18.48*	
		For >1,000 To 2,000, Deduct	*-28.08*	
		For >2,000 To 5,000, Deduct	*-46.39*	
		For >5,000, Deduct	*-76.84*	
33 01 30 72-0058	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	405.26	
		For Vinlyester Resin, Add	*261.38*	
		For Epoxy Resin, Add	*30.81*	
		For Up To >10, Add	*282.28*	
		For >10 To 25, Add	*173.00*	
		For >25 To 50, Add	*122.47*	
		For >50 To 100, Add	*61.24*	
		For >500 To 1,000, Deduct	*-21.06*	
		For >1,000 To 2,000, Deduct	*-31.99*	
		For >2,000 To 5,000, Deduct	*-52.77*	
		For >5,000, Deduct	*-87.42*	
33 01 30 72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	456.10	
		For Vinlyester Resin, Add	*294.71*	
		For Epoxy Resin, Add	*34.73*	
		For Up To >10, Add	*315.78*	
		For >10 To 25, Add	*192.98*	
		For >25 To 50, Add	*136.84*	
		For >50 To 100, Add	*68.42*	
		For >500 To 1,000, Deduct	*-23.68*	
		For >1,000 To 2,000, Deduct	*-35.96*	
		For >2,000 To 5,000, Deduct	*-59.29*	
		For >5,000, Deduct	*-98.24*	
33 01 30 72-0060	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	507.63	
		For Vinlyester Resin, Add	*328.03*	
		For Epoxy Resin, Add	*38.66*	
		For Up To >10, Add	*351.34*	
		For >10 To 25, Add	*214.68*	
		For >25 To 50, Add	*152.24*	
		For >50 To 100, Add	*76.12*	
		For >500 To 1,000, Deduct	*-26.36*	
		For >1,000 To 2,000, Deduct	*-40.02*	
		For >2,000 To 5,000, Deduct	*-65.99*	
		For >5,000, Deduct	*-109.33*	
33 01 30 72-0061	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	607.78	
		For Vinlyester Resin, Add	*394.70*	
		For Epoxy Resin, Add	*46.52*	
		For Up To >10, Add	*413.72*	
		For >10 To 25, Add	*250.79*	
		For >25 To 50, Add	*178.67*	
		For >50 To 100, Add	*89.33*	
		For >500 To 1,000, Deduct	*-31.49*	
		For >1,000 To 2,000, Deduct	*-47.78*	
		For >2,000 To 5,000, Deduct	*-78.64*	
		For >5,000, Deduct	*-130.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	709.18	
		For Vinlyester Resin, Add	*461.35*	
		For Epoxy Resin, Add	*54.37*	
		For Up To >10, Add	*479.87*	
		For >10 To 25, Add	*290.04*	
		For >25 To 50, Add	*206.98*	
		For >50 To 100, Add	*103.49*	
		For >500 To 1,000, Deduct	*-36.71*	
		For >1,000 To 2,000, Deduct	*-55.69*	
		For >2,000 To 5,000, Deduct	*-91.62*	
		For >5,000, Deduct	*-151.86*	
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	812.81	
		For Vinlyester Resin, Add	*528.00*	
		For Epoxy Resin, Add	*62.23*	
		For Up To >10, Add	*552.71*	
		For >10 To 25, Add	*334.87*	
		For >25 To 50, Add	*238.64*	
		For >50 To 100, Add	*119.32*	
		For >500 To 1,000, Deduct	*-42.10*	
		For >1,000 To 2,000, Deduct	*-63.89*	
		For >2,000 To 5,000, Deduct	*-105.14*	
		For >5,000, Deduct	*-174.27*	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	282.19	
		For Vinlyester Resin, Add	*180.83*	
		For Epoxy Resin, Add	*21.31*	
		For Up To >10, Add	*200.75*	
		For >10 To 25, Add	*124.23*	
		For >25 To 50, Add	*87.46*	
		For >50 To 100, Add	*43.73*	
		For >500 To 1,000, Deduct	*-14.71*	
		For >1,000 To 2,000, Deduct	*-22.36*	
		For >2,000 To 5,000, Deduct	*-36.96*	
		For >5,000, Deduct	*-61.21*	
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	338.84	
		For Vinlyester Resin, Add	*218.33*	
		For Epoxy Resin, Add	*25.73*	
		For Up To >10, Add	*236.77*	
		For >10 To 25, Add	*145.33*	
		For >25 To 50, Add	*102.79*	
		For >50 To 100, Add	*51.40*	
		For >500 To 1,000, Deduct	*-17.62*	
		For >1,000 To 2,000, Deduct	*-26.76*	
		For >2,000 To 5,000, Deduct	*-44.16*	
		For >5,000, Deduct	*-73.16*	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	394.66	
		For Vinlyester Resin, Add	*255.82*	
		For Epoxy Resin, Add	*30.15*	
		For Up To >10, Add	*270.33*	
		For >10 To 25, Add	*164.37*	
		For >25 To 50, Add	*116.89*	
		For >50 To 100, Add	*58.45*	
		For >500 To 1,000, Deduct	*-20.46*	
		For >1,000 To 2,000, Deduct	*-31.06*	
		For >2,000 To 5,000, Deduct	*-51.16*	
		For >5,000, Deduct	*-84.77*	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	450.88	
		For Vinlyester Resin, Add	*293.31*	
		For Epoxy Resin, Add	*34.57*	
		For Up To >10, Add	*305.09*	
		For >10 To 25, Add	*184.41*	
		For >25 To 50, Add	*131.59*	
		For >50 To 100, Add	*65.80*	
		For >500 To 1,000, Deduct	*-23.34*	
		For >1,000 To 2,000, Deduct	*-35.41*	
		For >2,000 To 5,000, Deduct	*-58.25*	
		For >5,000, Deduct	*-96.55*	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	507.68	
		For Vinlyester Resin, Add	*330.81*	
		For Epoxy Resin, Add	*38.99*	
		For Up To >10, Add	*341.57*	
		For >10 To 25, Add	*205.87*	
		For >25 To 50, Add	*147.15*	
		For >50 To 100, Add	*73.58*	
		For >500 To 1,000, Deduct	*-26.26*	
		For >1,000 To 2,000, Deduct	*-39.83*	
		For >2,000 To 5,000, Deduct	*-65.48*	
		For >5,000, Deduct	*-108.55*	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	565.16	
		For Vinlyester Resin, Add	*368.31*	
		For Epoxy Resin, Add	*43.41*	
		For Up To >10, Add	*380.11*	
		For >10 To 25, Add	*229.06*	
		For >25 To 50, Add	*163.75*	
		For >50 To 100, Add	*81.87*	
		For >500 To 1,000, Deduct	*-29.23*	
		For >1,000 To 2,000, Deduct	*-44.34*	
		For >2,000 To 5,000, Deduct	*-72.89*	
		For >5,000, Deduct	*-120.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	677.21	
		For Vinlyester Resin, Add	*443.30*	
		For Epoxy Resin, Add	*52.25*	
		For Up To >10, Add	*448.43*	
		For >10 To 25, Add	*268.15*	
		For >25 To 50, Add	*192.55*	
		For >50 To 100, Add	*96.28*	
		For >500 To 1,000, Deduct	*-34.96*	
		For >1,000 To 2,000, Deduct	*-52.99*	
		For >2,000 To 5,000, Deduct	*-86.98*	
		For >5,000, Deduct	*-144.23*	
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	790.51	
		For Vinlyester Resin, Add	*518.28*	
		For Epoxy Resin, Add	*61.08*	
		For Up To >10, Add	*520.53*	
		For >10 To 25, Add	*310.38*	
		For >25 To 50, Add	*223.25*	
		For >50 To 100, Add	*111.62*	
		For >500 To 1,000, Deduct	*-40.78*	
		For >1,000 To 2,000, Deduct	*-61.79*	
		For >2,000 To 5,000, Deduct	*-101.38*	
		For >5,000, Deduct	*-168.12*	
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	906.05	
		For Vinlyester Resin, Add	*593.27*	
		For Epoxy Resin, Add	*69.92*	
		For Up To >10, Add	*599.33*	
		For >10 To 25, Add	*358.18*	
		For >25 To 50, Add	*257.29*	
		For >50 To 100, Add	*128.64*	
		For >500 To 1,000, Deduct	*-46.77*	
		For >1,000 To 2,000, Deduct	*-70.88*	
		For >2,000 To 5,000, Deduct	*-116.33*	
		For >5,000, Deduct	*-192.91*	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	309.72	
		For Vinlyester Resin, Add	*200.10*	
		For Epoxy Resin, Add	*23.58*	
		For Up To >10, Add	*214.51*	
		For >10 To 25, Add	*131.12*	
		For >25 To 50, Add	*92.96*	
		For >50 To 100, Add	*46.48*	
		For >500 To 1,000, Deduct	*-16.08*	
		For >1,000 To 2,000, Deduct	*-24.42*	
		For >2,000 To 5,000, Deduct	*-40.27*	
		For >5,000, Deduct	*-66.72*	
33 01 30 72-0076	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	372.32	
		For Vinlyester Resin, Add	*241.77*	
		For Epoxy Resin, Add	*28.49*	
		For Up To >10, Add	*253.51*	
		For >10 To 25, Add	*153.70*	
		For >25 To 50, Add	*109.49*	
		For >50 To 100, Add	*54.74*	
		For >500 To 1,000, Deduct	*-19.29*	
		For >1,000 To 2,000, Deduct	*-29.27*	
		For >2,000 To 5,000, Deduct	*-48.18*	
		For >5,000, Deduct	*-79.85*	
33 01 30 72-0077	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	434.09	
		For Vinlyester Resin, Add	*283.42*	
		For Epoxy Resin, Add	*33.40*	
		For Up To >10, Add	*290.05*	
		For >10 To 25, Add	*174.22*	
		For >25 To 50, Add	*124.78*	
		For >50 To 100, Add	*62.39*	
		For >500 To 1,000, Deduct	*-22.43*	
		For >1,000 To 2,000, Deduct	*-34.02*	
		For >2,000 To 5,000, Deduct	*-55.89*	
		For >5,000, Deduct	*-92.66*	
33 01 30 72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	496.27	
		For Vinlyester Resin, Add	*325.09*	
		For Epoxy Resin, Add	*38.31*	
		For Up To >10, Add	*327.79*	
		For >10 To 25, Add	*195.75*	
		For >25 To 50, Add	*140.67*	
		For >50 To 100, Add	*70.34*	
		For >500 To 1,000, Deduct	*-25.61*	
		For >1,000 To 2,000, Deduct	*-38.81*	
		For >2,000 To 5,000, Deduct	*-63.69*	
		For >5,000, Deduct	*-105.63*	
33 01 30 72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	559.01	
		For Vinlyester Resin, Add	*366.74*	
		For Epoxy Resin, Add	*43.22*	
		For Up To >10, Add	*367.23*	
		For >10 To 25, Add	*218.71*	
		For >25 To 50, Add	*157.42*	
		For >50 To 100, Add	*78.71*	
		For >500 To 1,000, Deduct	*-28.83*	
		For >1,000 To 2,000, Deduct	*-43.68*	
		For >2,000 To 5,000, Deduct	*-71.64*	
		For >5,000, Deduct	*-118.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	622.45	
		For Vinlyester Resin, Add	*408.41*	
		For Epoxy Resin, Add	*48.13*	
		For Up To >10, Add	*408.75*	
		For >10 To 25, Add	*243.39*	
		For >25 To 50, Add	*175.20*	
		For >50 To 100, Add	*87.60*	
		For >500 To 1,000, Deduct	*-32.10*	
		For >1,000 To 2,000, Deduct	*-48.63*	
		For >2,000 To 5,000, Deduct	*-79.77*	
		For >5,000, Deduct	*-132.29*	
33 01 30 72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	746.40	
		For Vinlyester Resin, Add	*491.73*	
		For Epoxy Resin, Add	*57.95*	
		For Up To >10, Add	*483.03*	
		For >10 To 25, Add	*285.44*	
		For >25 To 50, Add	*206.39*	
		For >50 To 100, Add	*103.19*	
		For >500 To 1,000, Deduct	*-38.42*	
		For >1,000 To 2,000, Deduct	*-58.18*	
		For >2,000 To 5,000, Deduct	*-95.28*	
		For >5,000, Deduct	*-158.07*	
33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	871.61	
		For Vinlyester Resin, Add	*575.05*	
		For Epoxy Resin, Add	*67.77*	
		For Up To >10, Add	*561.08*	
		For >10 To 25, Add	*330.65*	
		For >25 To 50, Add	*239.47*	
		For >50 To 100, Add	*119.73*	
		For >500 To 1,000, Deduct	*-44.83*	
		For >1,000 To 2,000, Deduct	*-67.88*	
		For >2,000 To 5,000, Deduct	*-111.11*	
		For >5,000, Deduct	*-184.34*	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	999.05	
		For Vinlyester Resin, Add	*658.37*	
		For Epoxy Resin, Add	*77.59*	
		For Up To >10, Add	*645.83*	
		For >10 To 25, Add	*381.43*	
		For >25 To 50, Add	*275.89*	
		For >50 To 100, Add	*137.94*	
		For >500 To 1,000, Deduct	*-51.42*	
		For >1,000 To 2,000, Deduct	*-77.85*	
		For >2,000 To 5,000, Deduct	*-127.49*	
		For >5,000, Deduct	*-211.51*	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	405.56	
		For Vinlyester Resin, Add	*265.03*	
		For Epoxy Resin, Add	*31.24*	
		For Up To >10, Add	*270.13*	
		For >10 To 25, Add	*162.01*	
		For >25 To 50, Add	*116.13*	
		For >50 To 100, Add	*58.07*	
		For >500 To 1,000, Deduct	*-20.95*	
		For >1,000 To 2,000, Deduct	*-31.76*	
		For >2,000 To 5,000, Deduct	*-52.17*	
		For >5,000, Deduct	*-86.50*	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	473.29	
		For Vinlyester Resin, Add	*310.86*	
		For Epoxy Resin, Add	*36.64*	
		For Up To >10, Add	*309.65*	
		For >10 To 25, Add	*184.02*	
		For >25 To 50, Add	*132.62*	
		For >50 To 100, Add	*66.31*	
		For >500 To 1,000, Deduct	*-24.39*	
		For >1,000 To 2,000, Deduct	*-36.96*	
		For >2,000 To 5,000, Deduct	*-60.59*	
		For >5,000, Deduct	*-100.50*	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	541.42	
		For Vinlyester Resin, Add	*356.69*	
		For Epoxy Resin, Add	*42.04*	
		For Up To >10, Add	*350.36*	
		For >10 To 25, Add	*207.04*	
		For >25 To 50, Add	*149.70*	
		For >50 To 100, Add	*74.85*	
		For >500 To 1,000, Deduct	*-27.87*	
		For >1,000 To 2,000, Deduct	*-42.20*	
		For >2,000 To 5,000, Deduct	*-69.11*	
		For >5,000, Deduct	*-114.66*	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	610.12	
		For Vinlyester Resin, Add	*402.52*	
		For Epoxy Resin, Add	*47.44*	
		For Up To >10, Add	*392.79*	
		For >10 To 25, Add	*231.48*	
		For >25 To 50, Add	*167.64*	
		For >50 To 100, Add	*83.82*	
		For >500 To 1,000, Deduct	*-31.38*	
		For >1,000 To 2,000, Deduct	*-47.51*	
		For >2,000 To 5,000, Deduct	*-77.78*	
		For >5,000, Deduct	*-129.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	679.50	
		For Vinlyester Resin, Add	*448.34*	
		For Epoxy Resin, Add	*52.84*	
		For Up To >10, Add	*437.28*	
		For >10 To 25, Add	*257.65*	
		For >25 To 50, Add	*186.61*	
		For >50 To 100, Add	*93.31*	
		For >500 To 1,000, Deduct	*-34.95*	
		For >1,000 To 2,000, Deduct	*-52.91*	
		For >2,000 To 5,000, Deduct	*-86.61*	
		For >5,000, Deduct	*-143.70*	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	815.36	
		For Vinlyester Resin, Add	*540.00*	
		For Epoxy Resin, Add	*63.64*	
		For Up To >10, Add	*517.51*	
		For >10 To 25, Add	*302.68*	
		For >25 To 50, Add	*220.18*	
		For >50 To 100, Add	*110.09*	
		For >500 To 1,000, Deduct	*-41.87*	
		For >1,000 To 2,000, Deduct	*-63.35*	
		For >2,000 To 5,000, Deduct	*-103.55*	
		For >5,000, Deduct	*-171.86*	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	952.47	
		For Vinlyester Resin, Add	*631.65*	
		For Epoxy Resin, Add	*74.44*	
		For Up To >10, Add	*601.51*	
		For >10 To 25, Add	*350.87*	
		For >25 To 50, Add	*255.64*	
		For >50 To 100, Add	*127.82*	
		For >500 To 1,000, Deduct	*-48.88*	
		For >1,000 To 2,000, Deduct	*-73.94*	
		For >2,000 To 5,000, Deduct	*-120.81*	
		For >5,000, Deduct	*-200.52*	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,091.81	
		For Vinlyester Resin, Add	*723.30*	
		For Epoxy Resin, Add	*85.25*	
		For Up To >10, Add	*692.21*	
		For >10 To 25, Add	*404.62*	
		For >25 To 50, Add	*294.44*	
		For >50 To 100, Add	*147.22*	
		For >500 To 1,000, Deduct	*-56.05*	
		For >1,000 To 2,000, Deduct	*-84.81*	
		For >2,000 To 5,000, Deduct	*-138.62*	
		For >5,000, Deduct	*-230.07*	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,230.20	
		For Vinlyester Resin, Add	*814.96*	
		For Epoxy Resin, Add	*96.05*	
		For Up To >10, Add	*780.03*	
		For >10 To 25, Add	*455.98*	
		For >25 To 50, Add	*331.80*	
		For >50 To 100, Add	*165.90*	
		For >500 To 1,000, Deduct	*-63.16*	
		For >1,000 To 2,000, Deduct	*-95.56*	
		For >2,000 To 5,000, Deduct	*-156.20*	
		For >5,000, Deduct	*-259.23*	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0095	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	439.29	
		For Vinlyester Resin, Add	*288.15*	
		For Epoxy Resin, Add	*33.96*	
		For Up To >10, Add	*288.77*	
		For >10 To 25, Add	*172.04*	
		For >25 To 50, Add	*123.80*	
		For >50 To 100, Add	*61.90*	
		For >500 To 1,000, Deduct	*-22.66*	
		For >1,000 To 2,000, Deduct	*-34.33*	
		For >2,000 To 5,000, Deduct	*-56.31*	
		For >5,000, Deduct	*-93.39*	
33 01 30 72-0096	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	513.09	
		For Vinlyester Resin, Add	*338.14*	
		For Epoxy Resin, Add	*39.85*	
		For Up To >10, Add	*331.62*	
		For >10 To 25, Add	*195.84*	
		For >25 To 50, Add	*141.66*	
		For >50 To 100, Add	*70.83*	
		For >500 To 1,000, Deduct	*-26.41*	
		For >1,000 To 2,000, Deduct	*-39.98*	
		For >2,000 To 5,000, Deduct	*-65.47*	
		For >5,000, Deduct	*-108.62*	
33 01 30 72-0097	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	587.18	
		For Vinlyester Resin, Add	*388.14*	
		For Epoxy Resin, Add	*45.74*	
		For Up To >10, Add	*375.34*	
		For >10 To 25, Add	*220.37*	
		For >25 To 50, Add	*159.95*	
		For >50 To 100, Add	*79.97*	
		For >500 To 1,000, Deduct	*-30.18*	
		For >1,000 To 2,000, Deduct	*-45.67*	
		For >2,000 To 5,000, Deduct	*-74.71*	
		For >5,000, Deduct	*-123.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0098	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	661.97	
		For Vinlyester Resin, Add	*438.13*	
		For Epoxy Resin, Add	*51.64*	
		For Up To >10, Add	*421.16*	
		For >10 To 25, Add	*246.65*	
		For >25 To 50, Add	*179.29*	
		For >50 To 100, Add	*89.64*	
		For >500 To 1,000, Deduct	*-34.00*	
		For >1,000 To 2,000, Deduct	*-51.45*	
		For >2,000 To 5,000, Deduct	*-84.13*	
		For >5,000, Deduct	*-139.61*	
33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	737.31	
		For Vinlyester Resin, Add	*488.12*	
		For Epoxy Resin, Add	*57.53*	
		For Up To >10, Add	*468.66*	
		For >10 To 25, Add	*274.33*	
		For >25 To 50, Add	*199.46*	
		For >50 To 100, Add	*99.73*	
		For >500 To 1,000, Deduct	*-37.87*	
		For >1,000 To 2,000, Deduct	*-57.30*	
		For >2,000 To 5,000, Deduct	*-93.68*	
		For >5,000, Deduct	*-155.46*	
33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	886.18	
		For Vinlyester Resin, Add	*588.11*	
		For Epoxy Resin, Add	*69.31*	
		For Up To >10, Add	*558.17*	
		For >10 To 25, Add	*325.11*	
		For >25 To 50, Add	*237.08*	
		For >50 To 100, Add	*118.54*	
		For >500 To 1,000, Deduct	*-45.46*	
		For >1,000 To 2,000, Deduct	*-68.77*	
		For >2,000 To 5,000, Deduct	*-112.33*	
		For >5,000, Deduct	*-186.44*	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,035.62	
		For Vinlyester Resin, Add	*688.09*	
		For Epoxy Resin, Add	*81.10*	
		For Up To >10, Add	*649.39*	
		For >10 To 25, Add	*377.32*	
		For >25 To 50, Add	*275.54*	
		For >50 To 100, Add	*137.77*	
		For >500 To 1,000, Deduct	*-53.10*	
		For >1,000 To 2,000, Deduct	*-80.30*	
		For >2,000 To 5,000, Deduct	*-131.12*	
		For >5,000, Deduct	*-217.65*	
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,187.29	
		For Vinlyester Resin, Add	*788.07*	
		For Epoxy Resin, Add	*92.88*	
		For Up To >10, Add	*747.32*	
		For >10 To 25, Add	*435.13*	
		For >25 To 50, Add	*317.37*	
		For >50 To 100, Add	*158.68*	
		For >500 To 1,000, Deduct	*-60.90*	
		For >1,000 To 2,000, Deduct	*-92.12*	
		For >2,000 To 5,000, Deduct	*-150.47*	
		For >5,000, Deduct	*-249.75*	
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,337.99	
		For Vinlyester Resin, Add	*888.06*	
		For Epoxy Resin, Add	*104.66*	
		For Up To >10, Add	*842.32*	
		For >10 To 25, Add	*490.49*	
		For >25 To 50, Add	*357.73*	
		For >50 To 100, Add	*178.86*	
		For >500 To 1,000, Deduct	*-68.63*	
		For >1,000 To 2,000, Deduct	*-103.82*	
		For >2,000 To 5,000, Deduct	*-169.57*	
		For >5,000, Deduct	*-281.46*	
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,488.55	
		For Vinlyester Resin, Add	*988.05*	
		For Epoxy Resin, Add	*116.45*	
		For Up To >10, Add	*936.90*	
		For >10 To 25, Add	*545.50*	
		For >25 To 50, Add	*397.88*	
		For >50 To 100, Add	*198.94*	
		For >500 To 1,000, Deduct	*-76.35*	
		For >1,000 To 2,000, Deduct	*-115.49*	
		For >2,000 To 5,000, Deduct	*-188.64*	
		For >5,000, Deduct	*-313.12*	
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,639.67	
		For Vinlyester Resin, Add	*1,088.04*	
		For Epoxy Resin, Add	*128.23*	
		For Up To >10, Add	*1,033.16*	
		For >10 To 25, Add	*601.91*	
		For >25 To 50, Add	*438.86*	
		For >50 To 100, Add	*219.43*	
		For >500 To 1,000, Deduct	*-84.12*	
		For >1,000 To 2,000, Deduct	*-127.24*	
		For >2,000 To 5,000, Deduct	*-207.85*	
		For >5,000, Deduct	*-345.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,790.36	
		For Vinlyester Resin, Add	*1,188.02*	
		For Epoxy Resin, Add	*140.02*	
		For Up To >10, Add	*1,128.16*	
		For >10 To 25, Add	*657.27*	
		For >25 To 50, Add	*479.22*	
		For >50 To 100, Add	*239.61*	
		For >500 To 1,000, Deduct	*-91.85*	
		For >1,000 To 2,000, Deduct	*-138.94*	
		For >2,000 To 5,000, Deduct	*-226.96*	
		For >5,000, Deduct	*-376.71*	

33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	473.19	
		For Vinlyester Resin, Add	*311.09*	
		For Epoxy Resin, Add	*36.66*	
		For Up To >10, Add	*308.52*	
		For >10 To 25, Add	*183.03*	
		For >25 To 50, Add	*132.04*	
		For >50 To 100, Add	*66.02*	
		For >500 To 1,000, Deduct	*-24.38*	
		For >1,000 To 2,000, Deduct	*-36.93*	
		For >2,000 To 5,000, Deduct	*-60.52*	
		For >5,000, Deduct	*-100.39*	
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	552.95	
		For Vinlyester Resin, Add	*365.25*	
		For Epoxy Resin, Add	*43.05*	
		For Up To >10, Add	*354.38*	
		For >10 To 25, Add	*208.35*	
		For >25 To 50, Add	*151.10*	
		For >50 To 100, Add	*75.55*	
		For >500 To 1,000, Deduct	*-28.43*	
		For >1,000 To 2,000, Deduct	*-43.03*	
		For >2,000 To 5,000, Deduct	*-70.40*	
		For >5,000, Deduct	*-116.82*	
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	633.12	
		For Vinlyester Resin, Add	*419.41*	
		For Epoxy Resin, Add	*49.43*	
		For Up To >10, Add	*401.46*	
		For >10 To 25, Add	*234.69*	
		For >25 To 50, Add	*170.77*	
		For >50 To 100, Add	*85.39*	
		For >500 To 1,000, Deduct	*-32.51*	
		For >1,000 To 2,000, Deduct	*-49.18*	
		For >2,000 To 5,000, Deduct	*-80.39*	
		For >5,000, Deduct	*-133.42*	
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	713.58	
		For Vinlyester Resin, Add	*473.57*	
		For Epoxy Resin, Add	*55.81*	
		For Up To >10, Add	*449.42*	
		For >10 To 25, Add	*261.76*	
		For >25 To 50, Add	*190.88*	
		For >50 To 100, Add	*95.44*	
		For >500 To 1,000, Deduct	*-36.61*	
		For >1,000 To 2,000, Deduct	*-55.37*	
		For >2,000 To 5,000, Deduct	*-90.45*	
		For >5,000, Deduct	*-150.13*	
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	795.17	
		For Vinlyester Resin, Add	*527.73*	
		For Epoxy Resin, Add	*62.20*	
		For Up To >10, Add	*500.76*	
		For >10 To 25, Add	*291.65*	
		For >25 To 50, Add	*212.69*	
		For >50 To 100, Add	*106.34*	
		For >500 To 1,000, Deduct	*-40.79*	
		For >1,000 To 2,000, Deduct	*-61.70*	
		For >2,000 To 5,000, Deduct	*-100.79*	
		For >5,000, Deduct	*-167.29*	
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	957.20	
		For Vinlyester Resin, Add	*636.05*	
		For Epoxy Resin, Add	*74.96*	
		For Up To >10, Add	*600.00*	
		For >10 To 25, Add	*348.56*	
		For >25 To 50, Add	*254.57*	
		For >50 To 100, Add	*127.28*	
		For >500 To 1,000, Deduct	*-49.07*	
		For >1,000 To 2,000, Deduct	*-74.22*	
		For >2,000 To 5,000, Deduct	*-121.18*	
		For >5,000, Deduct	*-201.15*	
33 01 30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,119.66	
		For Vinlyester Resin, Add	*744.37*	
		For Epoxy Resin, Add	*87.73*	
		For Up To >10, Add	*700.53*	
		For >10 To 25, Add	*406.55*	
		For >25 To 50, Add	*297.10*	
		For >50 To 100, Add	*148.55*	
		For >500 To 1,000, Deduct	*-57.39*	
		For >1,000 To 2,000, Deduct	*-86.79*	
		For >2,000 To 5,000, Deduct	*-141.68*	
		For >5,000, Deduct	*-235.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,283.10	
		For Vinlyester Resin, Add	*852.68*	
		For Epoxy Resin, Add	*100.49*	
		For Up To >10, Add	*804.00*	
		For >10 To 25, Add	*466.98*	
		For >25 To 50, Add	*341.09*	
		For >50 To 100, Add	*170.55*	
		For >500 To 1,000, Deduct	*-65.78*	
		For >1,000 To 2,000, Deduct	*-99.48*	
		For >2,000 To 5,000, Deduct	*-162.42*	
		For >5,000, Deduct	*-269.62*	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,446.12	
		For Vinlyester Resin, Add	*961.00*	
		For Epoxy Resin, Add	*113.26*	
		For Up To >10, Add	*906.21*	
		For >10 To 25, Add	*526.37*	
		For >25 To 50, Add	*384.46*	
		For >50 To 100, Add	*192.23*	
		For >500 To 1,000, Deduct	*-74.14*	
		For >1,000 To 2,000, Deduct	*-112.12*	
		For >2,000 To 5,000, Deduct	*-183.06*	
		For >5,000, Deduct	*-303.88*	
33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,609.15	
		For Vinlyester Resin, Add	*1,069.32*	
		For Epoxy Resin, Add	*126.03*	
		For Up To >10, Add	*1,008.45*	
		For >10 To 25, Add	*585.78*	
		For >25 To 50, Add	*427.85*	
		For >50 To 100, Add	*213.92*	
		For >500 To 1,000, Deduct	*-82.50*	
		For >1,000 To 2,000, Deduct	*-124.76*	
		For >2,000 To 5,000, Deduct	*-203.70*	
		For >5,000, Deduct	*-338.14*	
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,773.84	
		For Vinlyester Resin, Add	*1,177.64*	
		For Epoxy Resin, Add	*138.79*	
		For Up To >10, Add	*1,115.67*	
		For >10 To 25, Add	*649.34*	
		For >25 To 50, Add	*473.72*	
		For >50 To 100, Add	*236.86*	
		For >500 To 1,000, Deduct	*-90.98*	
		For >1,000 To 2,000, Deduct	*-137.61*	
		For >2,000 To 5,000, Deduct	*-224.76*	
		For >5,000, Deduct	*-373.07*	
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,937.00	
		For Vinlyester Resin, Add	*1,285.95*	
		For Epoxy Resin, Add	*151.56*	
		For Up To >10, Add	*1,218.33*	
		For >10 To 25, Add	*709.09*	
		For >25 To 50, Add	*517.31*	
		For >50 To 100, Add	*258.65*	
		For >500 To 1,000, Deduct	*-99.35*	
		For >1,000 To 2,000, Deduct	*-150.27*	
		For >2,000 To 5,000, Deduct	*-245.43*	
		For >5,000, Deduct	*-407.39*	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	506.71	
		For Vinlyester Resin, Add	*333.87*	
		For Epoxy Resin, Add	*39.35*	
		For Up To >10, Add	*327.73*	
		For >10 To 25, Add	*193.62*	
		For >25 To 50, Add	*140.02*	
		For >50 To 100, Add	*70.01*	
		For >500 To 1,000, Deduct	*-26.08*	
		For >1,000 To 2,000, Deduct	*-39.49*	
		For >2,000 To 5,000, Deduct	*-64.67*	
		For >5,000, Deduct	*-107.29*	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	592.57	
		For Vinlyester Resin, Add	*392.20*	
		For Epoxy Resin, Add	*46.22*	
		For Up To >10, Add	*376.99*	
		For >10 To 25, Add	*220.77*	
		For >25 To 50, Add	*160.48*	
		For >50 To 100, Add	*80.24*	
		For >500 To 1,000, Deduct	*-30.44*	
		For >1,000 To 2,000, Deduct	*-46.06*	
		For >2,000 To 5,000, Deduct	*-75.30*	
		For >5,000, Deduct	*-124.97*	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	678.84	
		For Vinlyester Resin, Add	*450.53*	
		For Epoxy Resin, Add	*53.10*	
		For Up To >10, Add	*427.50*	
		For >10 To 25, Add	*248.98*	
		For >25 To 50, Add	*181.57*	
		For >50 To 100, Add	*90.78*	
		For >500 To 1,000, Deduct	*-34.82*	
		For >1,000 To 2,000, Deduct	*-52.67*	
		For >2,000 To 5,000, Deduct	*-86.04*	
		For >5,000, Deduct	*-142.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	764.97	
		For Vinlyester Resin, Add	*508.85*	
		For Epoxy Resin, Add	*59.97*	
		For Up To >10, Add	*477.59*	
		For >10 To 25, Add	*276.83*	
		For >25 To 50, Add	*202.45*	
		For >50 To 100, Add	*101.22*	
		For >500 To 1,000, Deduct	*-39.20*	
		For >1,000 To 2,000, Deduct	*-59.27*	
		For >2,000 To 5,000, Deduct	*-96.74*	
		For >5,000, Deduct	*-160.60*	
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	852.63	
		For Vinlyester Resin, Add	*567.18*	
		For Epoxy Resin, Add	*66.85*	
		For Up To >10, Add	*532.27*	
		For >10 To 25, Add	*308.51*	
		For >25 To 50, Add	*225.62*	
		For >50 To 100, Add	*112.81*	
		For >500 To 1,000, Deduct	*-43.69*	
		For >1,000 To 2,000, Deduct	*-66.07*	
		For >2,000 To 5,000, Deduct	*-107.83*	
		For >5,000, Deduct	*-179.00*	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,027.98	
		For Vinlyester Resin, Add	*683.83*	
		For Epoxy Resin, Add	*80.59*	
		For Up To >10, Add	*641.69*	
		For >10 To 25, Add	*371.93*	
		For >25 To 50, Add	*272.00*	
		For >50 To 100, Add	*136.00*	
		For >500 To 1,000, Deduct	*-52.68*	
		For >1,000 To 2,000, Deduct	*-79.65*	
		For >2,000 To 5,000, Deduct	*-130.00*	
		For >5,000, Deduct	*-215.81*	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,203.33	
		For Vinlyester Resin, Add	*800.48*	
		For Epoxy Resin, Add	*94.34*	
		For Up To >10, Add	*751.14*	
		For >10 To 25, Add	*435.36*	
		For >25 To 50, Add	*318.39*	
		For >50 To 100, Add	*159.20*	
		For >500 To 1,000, Deduct	*-61.66*	
		For >1,000 To 2,000, Deduct	*-93.24*	
		For >2,000 To 5,000, Deduct	*-152.17*	
		For >5,000, Deduct	*-252.62*	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,378.67	
		For Vinlyester Resin, Add	*917.13*	
		For Epoxy Resin, Add	*108.09*	
		For Up To >10, Add	*860.56*	
		For >10 To 25, Add	*498.77*	
		For >25 To 50, Add	*364.77*	
		For >50 To 100, Add	*182.39*	
		For >500 To 1,000, Deduct	*-70.65*	
		For >1,000 To 2,000, Deduct	*-106.82*	
		For >2,000 To 5,000, Deduct	*-174.34*	
		For >5,000, Deduct	*-289.43*	
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,554.01	
		For Vinlyester Resin, Add	*1,033.77*	
		For Epoxy Resin, Add	*121.84*	
		For Up To >10, Add	*969.98*	
		For >10 To 25, Add	*562.18*	
		For >25 To 50, Add	*411.15*	
		For >50 To 100, Add	*205.57*	
		For >500 To 1,000, Deduct	*-79.63*	
		For >1,000 To 2,000, Deduct	*-120.41*	
		For >2,000 To 5,000, Deduct	*-196.52*	
		For >5,000, Deduct	*-326.24*	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,729.35	
		For Vinlyester Resin, Add	*1,150.42*	
		For Epoxy Resin, Add	*135.59*	
		For Up To >10, Add	*1,079.40*	
		For >10 To 25, Add	*625.59*	
		For >25 To 50, Add	*457.53*	
		For >50 To 100, Add	*228.76*	
		For >500 To 1,000, Deduct	*-88.61*	
		For >1,000 To 2,000, Deduct	*-134.00*	
		For >2,000 To 5,000, Deduct	*-218.69*	
		For >5,000, Deduct	*-363.05*	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,907.79	
		For Vinlyester Resin, Add	*1,267.08*	
		For Epoxy Resin, Add	*149.33*	
		For Up To >10, Add	*1,198.10*	
		For >10 To 25, Add	*696.73*	
		For >25 To 50, Add	*508.54*	
		For >50 To 100, Add	*254.27*	
		For >500 To 1,000, Deduct	*-97.83*	
		For >1,000 To 2,000, Deduct	*-147.97*	
		For >2,000 To 5,000, Deduct	*-241.63*	
		For >5,000, Deduct	*-401.09*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,083.42	
		For Vinlyester Resin, Add	*1,383.73*	
		For Epoxy Resin, Add	*163.08*	
		For Up To >10, Add	*1,308.36*	
		For >10 To 25, Add	*760.84*	
		For >25 To 50, Add	*555.34*	
		For >50 To 100, Add	*277.67*	
		For >500 To 1,000, Deduct	*-106.84*	
		For >1,000 To 2,000, Deduct	*-161.59*	
		For >2,000 To 5,000, Deduct	*-263.88*	
		For >5,000, Deduct	*-438.02*	

33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	539.87	
		For Vinlyester Resin, Add	*356.50*	
		For Epoxy Resin, Add	*42.02*	
		For Up To >10, Add	*346.41*	
		For >10 To 25, Add	*203.80*	
		For >25 To 50, Add	*147.74*	
		For >50 To 100, Add	*73.87*	
		For >500 To 1,000, Deduct	*-27.76*	
		For >1,000 To 2,000, Deduct	*-42.02*	
		For >2,000 To 5,000, Deduct	*-68.76*	
		For >5,000, Deduct	*-114.09*	
33 01 30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	631.67	
		For Vinlyester Resin, Add	*418.99*	
		For Epoxy Resin, Add	*49.38*	
		For Up To >10, Add	*398.64*	
		For >10 To 25, Add	*232.44*	
		For >25 To 50, Add	*169.39*	
		For >50 To 100, Add	*84.70*	
		For >500 To 1,000, Deduct	*-32.41*	
		For >1,000 To 2,000, Deduct	*-49.03*	
		For >2,000 To 5,000, Deduct	*-80.11*	
		For >5,000, Deduct	*-132.96*	
33 01 30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	724.32	
		For Vinlyester Resin, Add	*481.48*	
		For Epoxy Resin, Add	*56.75*	
		For Up To >10, Add	*453.39*	
		For >10 To 25, Add	*263.18*	
		For >25 To 50, Add	*192.30*	
		For >50 To 100, Add	*96.15*	
		For >500 To 1,000, Deduct	*-37.13*	
		For >1,000 To 2,000, Deduct	*-56.15*	
		For >2,000 To 5,000, Deduct	*-91.66*	
		For >5,000, Deduct	*-152.16*	
33 01 30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	817.38	
		For Vinlyester Resin, Add	*543.97*	
		For Epoxy Resin, Add	*64.11*	
		For Up To >10, Add	*509.39*	
		For >10 To 25, Add	*294.98*	
		For >25 To 50, Add	*215.84*	
		For >50 To 100, Add	*107.92*	
		For >500 To 1,000, Deduct	*-41.88*	
		For >1,000 To 2,000, Deduct	*-63.32*	
		For >2,000 To 5,000, Deduct	*-103.32*	
		For >5,000, Deduct	*-171.53*	
33 01 30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	911.28	
		For Vinlyester Resin, Add	*606.46*	
		For Epoxy Resin, Add	*71.48*	
		For Up To >10, Add	*567.92*	
		For >10 To 25, Add	*328.87*	
		For >25 To 50, Add	*240.64*	
		For >50 To 100, Add	*120.32*	
		For >500 To 1,000, Deduct	*-46.69*	
		For >1,000 To 2,000, Deduct	*-70.59*	
		For >2,000 To 5,000, Deduct	*-115.19*	
		For >5,000, Deduct	*-191.24*	
33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,099.08	
		For Vinlyester Resin, Add	*731.44*	
		For Epoxy Resin, Add	*86.21*	
		For Up To >10, Add	*684.97*	
		For >10 To 25, Add	*396.65*	
		For >25 To 50, Add	*290.24*	
		For >50 To 100, Add	*145.12*	
		For >500 To 1,000, Deduct	*-56.31*	
		For >1,000 To 2,000, Deduct	*-85.14*	
		For >2,000 To 5,000, Deduct	*-138.93*	
		For >5,000, Deduct	*-230.65*	
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,286.89	
		For Vinlyester Resin, Add	*856.42*	
		For Epoxy Resin, Add	*100.94*	
		For Up To >10, Add	*802.02*	
		For >10 To 25, Add	*464.44*	
		For >25 To 50, Add	*339.84*	
		For >50 To 100, Add	*169.92*	
		For >500 To 1,000, Deduct	*-65.93*	
		For >1,000 To 2,000, Deduct	*-99.69*	
		For >2,000 To 5,000, Deduct	*-162.67*	
		For >5,000, Deduct	*-270.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,474.70	
		For Vinlyester Resin, Add	*981.41*	
		For Epoxy Resin, Add	*115.67*	
		For Up To >10, Add	*919.08*	
		For >10 To 25, Add	*532.23*	
		For >25 To 50, Add	*389.44*	
		For >50 To 100, Add	*194.72*	
		For >500 To 1,000, Deduct	*-75.55*	
		For >1,000 To 2,000, Deduct	*-114.24*	
		For >2,000 To 5,000, Deduct	*-186.41*	
		For >5,000, Deduct	*-309.48*	
33 01 30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,662.51	
		For Vinlyester Resin, Add	*1,106.39*	
		For Epoxy Resin, Add	*130.40*	
		For Up To >10, Add	*1,036.16*	
		For >10 To 25, Add	*600.04*	
		For >25 To 50, Add	*439.05*	
		For >50 To 100, Add	*219.53*	
		For >500 To 1,000, Deduct	*-85.17*	
		For >1,000 To 2,000, Deduct	*-128.79*	
		For >2,000 To 5,000, Deduct	*-210.16*	
		For >5,000, Deduct	*-348.89*	
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,850.32	
		For Vinlyester Resin, Add	*1,231.37*	
		For Epoxy Resin, Add	*145.13*	
		For Up To >10, Add	*1,153.21*	
		For >10 To 25, Add	*667.83*	
		For >25 To 50, Add	*488.65*	
		For >50 To 100, Add	*244.33*	
		For >500 To 1,000, Deduct	*-94.80*	
		For >1,000 To 2,000, Deduct	*-143.34*	
		For >2,000 To 5,000, Deduct	*-233.90*	
		For >5,000, Deduct	*-388.31*	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,041.36	
		For Vinlyester Resin, Add	*1,356.36*	
		For Epoxy Resin, Add	*159.86*	
		For Up To >10, Add	*1,279.96*	
		For >10 To 25, Add	*743.69*	
		For >25 To 50, Add	*543.10*	
		For >50 To 100, Add	*271.55*	
		For >500 To 1,000, Deduct	*-104.66*	
		For >1,000 To 2,000, Deduct	*-158.29*	
		For >2,000 To 5,000, Deduct	*-258.45*	
		For >5,000, Deduct	*-429.01*	
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,229.45	
		For Vinlyester Resin, Add	*1,481.33*	
		For Epoxy Resin, Add	*174.59*	
		For Up To >10, Add	*1,397.88*	
		For >10 To 25, Add	*812.20*	
		For >25 To 50, Add	*593.13*	
		For >50 To 100, Add	*296.56*	
		For >500 To 1,000, Deduct	*-114.30*	
		For >1,000 To 2,000, Deduct	*-172.87*	
		For >2,000 To 5,000, Deduct	*-282.26*	
		For >5,000, Deduct	*-468.54*	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	572.65	
		For Vinlyester Resin, Add	*378.95*	
		For Epoxy Resin, Add	*44.66*	
		For Up To >10, Add	*364.58*	
		For >10 To 25, Add	*213.59*	
		For >25 To 50, Add	*155.22*	
		For >50 To 100, Add	*77.61*	
		For >500 To 1,000, Deduct	*-29.42*	
		For >1,000 To 2,000, Deduct	*-44.51*	
		For >2,000 To 5,000, Deduct	*-72.79*	
		For >5,000, Deduct	*-120.79*	
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	670.40	
		For Vinlyester Resin, Add	*445.61*	
		For Epoxy Resin, Add	*52.52*	
		For Up To >10, Add	*419.75*	
		For >10 To 25, Add	*243.70*	
		For >25 To 50, Add	*178.05*	
		For >50 To 100, Add	*89.02*	
		For >500 To 1,000, Deduct	*-34.37*	
		For >1,000 To 2,000, Deduct	*-51.97*	
		For >2,000 To 5,000, Deduct	*-84.84*	
		For >5,000, Deduct	*-140.84*	
33 01 30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	769.41	
		For Vinlyester Resin, Add	*512.26*	
		For Epoxy Resin, Add	*60.37*	
		For Up To >10, Add	*478.73*	
		For >10 To 25, Add	*276.98*	
		For >25 To 50, Add	*202.78*	
		For >50 To 100, Add	*101.39*	
		For >500 To 1,000, Deduct	*-39.41*	
		For >1,000 To 2,000, Deduct	*-59.59*	
		For >2,000 To 5,000, Deduct	*-97.22*	
		For >5,000, Deduct	*-161.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	869.54	
		For Vinlyester Resin, Add	*578.91*	
		For Epoxy Resin, Add	*68.23*	
		For Up To >10, Add	*541.07*	
		For >10 To 25, Add	*313.06*	
		For >25 To 50, Add	*229.18*	
		For >50 To 100, Add	*114.59*	
		For >500 To 1,000, Deduct	*-44.54*	
		For >1,000 To 2,000, Deduct	*-67.34*	
		For >2,000 To 5,000, Deduct	*-109.87*	
		For >5,000, Deduct	*-182.41*	
33 01 30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	969.69	
		For Vinlyester Resin, Add	*645.58*	
		For Epoxy Resin, Add	*76.09*	
		For Up To >10, Add	*603.45*	
		For >10 To 25, Add	*349.16*	
		For >25 To 50, Add	*255.61*	
		For >50 To 100, Add	*127.81*	
		For >500 To 1,000, Deduct	*-49.67*	
		For >1,000 To 2,000, Deduct	*-75.10*	
		For >2,000 To 5,000, Deduct	*-122.53*	
		For >5,000, Deduct	*-203.43*	
33 01 30 72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,169.97	
		For Vinlyester Resin, Add	*778.90*	
		For Epoxy Resin, Add	*91.80*	
		For Up To >10, Add	*728.14*	
		For >10 To 25, Add	*421.33*	
		For >25 To 50, Add	*308.43*	
		For >50 To 100, Add	*154.22*	
		For >500 To 1,000, Deduct	*-59.93*	
		For >1,000 To 2,000, Deduct	*-90.61*	
		For >2,000 To 5,000, Deduct	*-147.84*	
		For >5,000, Deduct	*-245.45*	
33 01 30 72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,417.12	
		For Vinlyester Resin, Add	*945.13*	
		For Epoxy Resin, Add	*111.39*	
		For Up To >10, Add	*875.91*	
		For >10 To 25, Add	*504.90*	
		For >25 To 50, Add	*370.45*	
		For >50 To 100, Add	*185.22*	
		For >500 To 1,000, Deduct	*-72.53*	
		For >1,000 To 2,000, Deduct	*-109.63*	
		For >2,000 To 5,000, Deduct	*-178.76*	
		For >5,000, Deduct	*-296.81*	
33 01 30 72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,570.37	
		For Vinlyester Resin, Add	*1,045.52*	
		For Epoxy Resin, Add	*123.22*	
		For Up To >10, Add	*977.11*	
		For >10 To 25, Add	*565.33*	
		For >25 To 50, Add	*413.88*	
		For >50 To 100, Add	*206.94*	
		For >500 To 1,000, Deduct	*-80.44*	
		For >1,000 To 2,000, Deduct	*-121.62*	
		For >2,000 To 5,000, Deduct	*-198.42*	
		For >5,000, Deduct	*-329.43*	
33 01 30 72-0155	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,770.64	
		For Vinlyester Resin, Add	*1,178.84*	
		For Epoxy Resin, Add	*138.93*	
		For Up To >10, Add	*1,101.80*	
		For >10 To 25, Add	*637.49*	
		For >25 To 50, Add	*466.70*	
		For >50 To 100, Add	*233.35*	
		For >500 To 1,000, Deduct	*-90.70*	
		For >1,000 To 2,000, Deduct	*-137.13*	
		For >2,000 To 5,000, Deduct	*-223.73*	
		For >5,000, Deduct	*-371.45*	
33 01 30 72-0156	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,970.91	
		For Vinlyester Resin, Add	*1,312.14*	
		For Epoxy Resin, Add	*154.65*	
		For Up To >10, Add	*1,226.51*	
		For >10 To 25, Add	*709.67*	
		For >25 To 50, Add	*519.53*	
		For >50 To 100, Add	*259.76*	
		For >500 To 1,000, Deduct	*-100.96*	
		For >1,000 To 2,000, Deduct	*-152.64*	
		For >2,000 To 5,000, Deduct	*-249.04*	
		For >5,000, Deduct	*-413.47*	
33 01 30 72-0157	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,174.56	
		For Vinlyester Resin, Add	*1,445.47*	
		For Epoxy Resin, Add	*170.36*	
		For Up To >10, Add	*1,361.31*	
		For >10 To 25, Add	*790.26*	
		For >25 To 50, Add	*577.41*	
		For >50 To 100, Add	*288.70*	
		For >500 To 1,000, Deduct	*-111.47*	
		For >1,000 To 2,000, Deduct	*-168.57*	
		For >2,000 To 5,000, Deduct	*-275.20*	
		For >5,000, Deduct	*-456.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0158	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,375.11	
		For Vinlyester Resin, Add	*1,578.78*	
		For Epoxy Resin, Add	*186.07*	
		For Up To >10, Add	*1,486.83*	
		For >10 To 25, Add	*863.13*	
		For >25 To 50, Add	*630.65*	
		For >50 To 100, Add	*315.32*	
		For >500 To 1,000, Deduct	*-121.75*	
		For >1,000 To 2,000, Deduct	*-184.12*	
		For >2,000 To 5,000, Deduct	*-300.58*	
		For >5,000, Deduct	*-498.96*	
33 01 30 72-0159	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,575.67	
		For Vinlyester Resin, Add	*1,712.10*	
		For Epoxy Resin, Add	*201.78*	
		For Up To >10, Add	*1,612.39*	
		For >10 To 25, Add	*936.01*	
		For >25 To 50, Add	*683.90*	
		For >50 To 100, Add	*341.95*	
		For >500 To 1,000, Deduct	*-132.03*	
		For >1,000 To 2,000, Deduct	*-199.67*	
		For >2,000 To 5,000, Deduct	*-325.96*	
		For >5,000, Deduct	*-541.10*	
33 01 30 72-0160	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,776.23	
		For Vinlyester Resin, Add	*1,845.41*	
		For Epoxy Resin, Add	*217.49*	
		For Up To >10, Add	*1,737.94*	
		For >10 To 25, Add	*1,008.90*	
		For >25 To 50, Add	*737.16*	
		For >50 To 100, Add	*368.58*	
		For >500 To 1,000, Deduct	*-142.31*	
		For >1,000 To 2,000, Deduct	*-215.21*	
		For >2,000 To 5,000, Deduct	*-351.34*	
		For >5,000, Deduct	*-583.23*	

33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	709.32	
		For Vinlyester Resin, Add	*472.06*	
		For Epoxy Resin, Add	*55.64*	
		For Up To >10, Add	*442.04*	
		For >10 To 25, Add	*255.97*	
		For >25 To 50, Add	*187.30*	
		For >50 To 100, Add	*93.65*	
		For >500 To 1,000, Deduct	*-36.34*	
		For >1,000 To 2,000, Deduct	*-54.95*	
		For >2,000 To 5,000, Deduct	*-89.66*	
		For >5,000, Deduct	*-148.85*	
33 01 30 72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	815.13	
		For Vinlyester Resin, Add	*542.89*	
		For Epoxy Resin, Add	*63.98*	
		For Up To >10, Add	*506.52*	
		For >10 To 25, Add	*292.84*	
		For >25 To 50, Add	*214.48*	
		For >50 To 100, Add	*107.24*	
		For >500 To 1,000, Deduct	*-41.75*	
		For >1,000 To 2,000, Deduct	*-63.11*	
		For >2,000 To 5,000, Deduct	*-102.96*	
		For >5,000, Deduct	*-170.94*	
33 01 30 72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	921.50	
		For Vinlyester Resin, Add	*613.71*	
		For Epoxy Resin, Add	*72.33*	
		For Up To >10, Add	*572.68*	
		For >10 To 25, Add	*331.11*	
		For >25 To 50, Add	*242.50*	
		For >50 To 100, Add	*121.25*	
		For >500 To 1,000, Deduct	*-47.19*	
		For >1,000 To 2,000, Deduct	*-71.35*	
		For >2,000 To 5,000, Deduct	*-116.40*	
		For >5,000, Deduct	*-193.25*	
33 01 30 72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,027.72	
		For Vinlyester Resin, Add	*684.53*	
		For Epoxy Resin, Add	*80.68*	
		For Up To >10, Add	*638.41*	
		For >10 To 25, Add	*369.03*	
		For >25 To 50, Add	*270.31*	
		For >50 To 100, Add	*135.16*	
		For >500 To 1,000, Deduct	*-52.63*	
		For >1,000 To 2,000, Deduct	*-79.57*	
		For >2,000 To 5,000, Deduct	*-129.80*	
		For >5,000, Deduct	*-215.51*	
33 01 30 72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,240.45	
		For Vinlyester Resin, Add	*826.18*	
		For Epoxy Resin, Add	*97.37*	
		For Up To >10, Add	*770.73*	
		For >10 To 25, Add	*445.56*	
		For >25 To 50, Add	*326.35*	
		For >50 To 100, Add	*163.18*	
		For >500 To 1,000, Deduct	*-63.53*	
		For >1,000 To 2,000, Deduct	*-96.04*	
		For >2,000 To 5,000, Deduct	*-156.68*	
		For >5,000, Deduct	*-260.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,453.06	
		For Vinlyester Resin, Add	*967.83*	
		For Epoxy Resin, Add	*114.07*	
		For Up To >10, Add	*902.66*	
		For >10 To 25, Add	*521.78*	
		For >25 To 50, Add	*382.20*	
		For >50 To 100, Add	*191.10*	
		For >500 To 1,000, Deduct	*-74.41*	
		For >1,000 To 2,000, Deduct	*-112.50*	
		For >2,000 To 5,000, Deduct	*-183.53*	
		For >5,000, Deduct	*-304.70*	
33 01 30 72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,665.80	
		For Vinlyester Resin, Add	*1,109.47*	
		For Epoxy Resin, Add	*130.76*	
		For Up To >10, Add	*1,035.00*	
		For >10 To 25, Add	*598.34*	
		For >25 To 50, Add	*438.25*	
		For >50 To 100, Add	*219.13*	
		For >500 To 1,000, Deduct	*-85.31*	
		For >1,000 To 2,000, Deduct	*-128.98*	
		For >2,000 To 5,000, Deduct	*-210.41*	
		For >5,000, Deduct	*-349.33*	
33 01 30 72-0169	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,878.39	
		For Vinlyester Resin, Add	*1,251.12*	
		For Epoxy Resin, Add	*147.45*	
		For Up To >10, Add	*1,166.90*	
		For >10 To 25, Add	*674.53*	
		For >25 To 50, Add	*494.08*	
		For >50 To 100, Add	*247.04*	
		For >500 To 1,000, Deduct	*-96.20*	
		For >1,000 To 2,000, Deduct	*-145.43*	
		For >2,000 To 5,000, Deduct	*-237.25*	
		For >5,000, Deduct	*-393.89*	
33 01 30 72-0170	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,091.14	
		For Vinlyester Resin, Add	*1,392.77*	
		For Epoxy Resin, Add	*164.15*	
		For Up To >10, Add	*1,299.25*	
		For >10 To 25, Add	*751.09*	
		For >25 To 50, Add	*550.14*	
		For >50 To 100, Add	*275.07*	
		For >500 To 1,000, Deduct	*-107.09*	
		For >1,000 To 2,000, Deduct	*-161.91*	
		For >2,000 To 5,000, Deduct	*-264.13*	
		For >5,000, Deduct	*-438.52*	
33 01 30 72-0171	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,308.36	
		For Vinlyester Resin, Add	*1,534.41*	
		For Epoxy Resin, Add	*180.84*	
		For Up To >10, Add	*1,445.03*	
		For >10 To 25, Add	*838.86*	
		For >25 To 50, Add	*612.91*	
		For >50 To 100, Add	*306.46*	
		For >500 To 1,000, Deduct	*-118.33*	
		For >1,000 To 2,000, Deduct	*-178.94*	
		For >2,000 To 5,000, Deduct	*-292.13*	
		For >5,000, Deduct	*-484.94*	
33 01 30 72-0172	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,521.53	
		For Vinlyester Resin, Add	*1,676.06*	
		For Epoxy Resin, Add	*197.54*	
		For Up To >10, Add	*1,578.67*	
		For >10 To 25, Add	*916.49*	
		For >25 To 50, Add	*669.61*	
		For >50 To 100, Add	*334.81*	
		For >500 To 1,000, Deduct	*-129.26*	
		For >1,000 To 2,000, Deduct	*-195.47*	
		For >2,000 To 5,000, Deduct	*-319.11*	
		For >5,000, Deduct	*-529.74*	
33 01 30 72-0173	LF	25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,734.54	
		For Vinlyester Resin, Add	*1,817.70*	
		For Epoxy Resin, Add	*214.23*	
		For Up To >10, Add	*1,711.82*	
		For >10 To 25, Add	*993.73*	
		For >25 To 50, Add	*726.07*	
		For >50 To 100, Add	*363.04*	
		For >500 To 1,000, Deduct	*-140.17*	
		For >1,000 To 2,000, Deduct	*-211.98*	
		For >2,000 To 5,000, Deduct	*-346.06*	
		For >5,000, Deduct	*-574.47*	
33 01 30 72-0174	LF	25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,947.70	
		For Vinlyester Resin, Add	*1,959.35*	
		For Epoxy Resin, Add	*230.92*	
		For Up To >10, Add	*1,845.43*	
		For >10 To 25, Add	*1,071.34*	
		For >25 To 50, Add	*782.76*	
		For >50 To 100, Add	*391.38*	
		For >500 To 1,000, Deduct	*-151.10*	
		For >1,000 To 2,000, Deduct	*-228.51*	
		For >2,000 To 5,000, Deduct	*-373.05*	
		For >5,000, Deduct	*-619.27*	

33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0176	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	747.85	
		For Vinlyester Resin, Add	*498.35*	
		For Epoxy Resin, Add	*58.73*	
		For Up To >10, Add	*463.73*	
		For >10 To 25, Add	*267.78*	
		For >25 To 50, Add	*196.27*	
		For >50 To 100, Add	*98.13*	
		For >500 To 1,000, Deduct	*-38.29*	
		For >1,000 To 2,000, Deduct	*-57.88*	
		For >2,000 To 5,000, Deduct	*-94.41*	
		For >5,000, Deduct	*-156.75*	
33 01 30 72-0177	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	860.47	
		For Vinlyester Resin, Add	*573.34*	
		For Epoxy Resin, Add	*67.57*	
		For Up To >10, Add	*533.76*	
		For >10 To 25, Add	*308.29*	
		For >25 To 50, Add	*225.93*	
		For >50 To 100, Add	*112.96*	
		For >500 To 1,000, Deduct	*-44.06*	
		For >1,000 To 2,000, Deduct	*-66.61*	
		For >2,000 To 5,000, Deduct	*-108.64*	
		For >5,000, Deduct	*-180.38*	
33 01 30 72-0178	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	973.07	
		For Vinlyester Resin, Add	*648.33*	
		For Epoxy Resin, Add	*76.41*	
		For Up To >10, Add	*603.74*	
		For >10 To 25, Add	*348.75*	
		For >25 To 50, Add	*255.56*	
		For >50 To 100, Add	*127.78*	
		For >500 To 1,000, Deduct	*-49.83*	
		For >1,000 To 2,000, Deduct	*-75.32*	
		For >2,000 To 5,000, Deduct	*-122.86*	
		For >5,000, Deduct	*-203.99*	
33 01 30 72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,085.53	
		For Vinlyester Resin, Add	*723.32*	
		For Epoxy Resin, Add	*85.25*	
		For Up To >10, Add	*673.29*	
		For >10 To 25, Add	*388.86*	
		For >25 To 50, Add	*284.98*	
		For >50 To 100, Add	*142.49*	
		For >500 To 1,000, Deduct	*-55.58*	
		For >1,000 To 2,000, Deduct	*-84.03*	
		For >2,000 To 5,000, Deduct	*-137.05*	
		For >5,000, Deduct	*-227.55*	
33 01 30 72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,310.59	
		For Vinlyester Resin, Add	*873.30*	
		For Epoxy Resin, Add	*102.92*	
		For Up To >10, Add	*812.85*	
		For >10 To 25, Add	*469.44*	
		For >25 To 50, Add	*344.04*	
		For >50 To 100, Add	*172.02*	
		For >500 To 1,000, Deduct	*-67.11*	
		For >1,000 To 2,000, Deduct	*-101.45*	
		For >2,000 To 5,000, Deduct	*-165.46*	
		For >5,000, Deduct	*-274.72*	
33 01 30 72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,535.78	
		For Vinlyester Resin, Add	*1,023.27*	
		For Epoxy Resin, Add	*120.60*	
		For Up To >10, Add	*952.79*	
		For >10 To 25, Add	*550.36*	
		For >25 To 50, Add	*403.30*	
		For >50 To 100, Add	*201.65*	
		For >500 To 1,000, Deduct	*-78.64*	
		For >1,000 To 2,000, Deduct	*-118.88*	
		For >2,000 To 5,000, Deduct	*-193.91*	
		For >5,000, Deduct	*-321.95*	
33 01 30 72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,760.85	
		For Vinlyester Resin, Add	*1,173.26*	
		For Epoxy Resin, Add	*138.28*	
		For Up To >10, Add	*1,092.33*	
		For >10 To 25, Add	*630.92*	
		For >25 To 50, Add	*462.36*	
		For >50 To 100, Add	*231.18*	
		For >500 To 1,000, Deduct	*-90.16*	
		For >1,000 To 2,000, Deduct	*-136.30*	
		For >2,000 To 5,000, Deduct	*-222.32*	
		For >5,000, Deduct	*-369.12*	
33 01 30 72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,985.92	
		For Vinlyester Resin, Add	*1,323.24*	
		For Epoxy Resin, Add	*155.95*	
		For Up To >10, Add	*1,231.91*	
		For >10 To 25, Add	*711.54*	
		For >25 To 50, Add	*521.44*	
		For >50 To 100, Add	*260.72*	
		For >500 To 1,000, Deduct	*-101.69*	
		For >1,000 To 2,000, Deduct	*-153.72*	
		For >2,000 To 5,000, Deduct	*-250.74*	
		For >5,000, Deduct	*-416.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,210.97	
		For Vinlyester Resin, Add	*1,473.21*	
		For Epoxy Resin, Add	*173.63*	
		For Up To >10, Add	*1,371.44*	
		For >10 To 25, Add	*792.10*	
		For >25 To 50, Add	*580.49*	
		For >50 To 100, Add	*290.24*	
		For >500 To 1,000, Deduct	*-113.21*	
		For >1,000 To 2,000, Deduct	*-171.14*	
		For >2,000 To 5,000, Deduct	*-279.15*	
		For >5,000, Deduct	*-463.47*	
33 01 30 72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,441.93	
		For Vinlyester Resin, Add	*1,623.20*	
		For Epoxy Resin, Add	*191.31*	
		For Up To >10, Add	*1,528.67*	
		For >10 To 25, Add	*887.41*	
		For >25 To 50, Add	*648.39*	
		For >50 To 100, Add	*324.20*	
		For >500 To 1,000, Deduct	*-125.17*	
		For >1,000 To 2,000, Deduct	*-189.30*	
		For >2,000 To 5,000, Deduct	*-309.03*	
		For >5,000, Deduct	*-513.00*	
33 01 30 72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,667.55	
		For Vinlyester Resin, Add	*1,773.17*	
		For Epoxy Resin, Add	*208.98*	
		For Up To >10, Add	*1,669.90*	
		For >10 To 25, Add	*969.40*	
		For >25 To 50, Add	*708.30*	
		For >50 To 100, Add	*354.15*	
		For >500 To 1,000, Deduct	*-136.74*	
		For >1,000 To 2,000, Deduct	*-206.79*	
		For >2,000 To 5,000, Deduct	*-337.58*	
		For >5,000, Deduct	*-560.40*	
33 01 30 72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,893.18	
		For Vinlyester Resin, Add	*1,923.15*	
		For Epoxy Resin, Add	*226.66*	
		For Up To >10, Add	*1,811.14*	
		For >10 To 25, Add	*1,051.39*	
		For >25 To 50, Add	*768.20*	
		For >50 To 100, Add	*384.10*	
		For >500 To 1,000, Deduct	*-148.30*	
		For >1,000 To 2,000, Deduct	*-224.28*	
		For >2,000 To 5,000, Deduct	*-366.14*	
		For >5,000, Deduct	*-607.80*	
33 01 30 72-0188	LF	27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,118.80	
		For Vinlyester Resin, Add	*2,073.13*	
		For Epoxy Resin, Add	*244.33*	
		For Up To >10, Add	*1,952.38*	
		For >10 To 25, Add	*1,133.38*	
		For >25 To 50, Add	*828.11*	
		For >50 To 100, Add	*414.05*	
		For >500 To 1,000, Deduct	*-159.87*	
		For >1,000 To 2,000, Deduct	*-241.77*	
		For >2,000 To 5,000, Deduct	*-394.69*	
		For >5,000, Deduct	*-655.20*	

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0190	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	905.28	
		For Vinlyester Resin, Add	*603.64*	
		For Epoxy Resin, Add	*71.14*	
		For Up To >10, Add	*559.99*	
		For >10 To 25, Add	*322.94*	
		For >25 To 50, Add	*236.88*	
		For >50 To 100, Add	*118.44*	
		For >500 To 1,000, Deduct	*-46.34*	
		For >1,000 To 2,000, Deduct	*-70.04*	
		For >2,000 To 5,000, Deduct	*-114.22*	
		For >5,000, Deduct	*-189.64*	
33 01 30 72-0191	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,024.12	
		For Vinlyester Resin, Add	*682.79*	
		For Epoxy Resin, Add	*80.47*	
		For Up To >10, Add	*633.81*	
		For >10 To 25, Add	*365.61*	
		For >25 To 50, Add	*268.13*	
		For >50 To 100, Add	*134.07*	
		For >500 To 1,000, Deduct	*-52.42*	
		For >1,000 To 2,000, Deduct	*-79.24*	
		For >2,000 To 5,000, Deduct	*-129.23*	
		For >5,000, Deduct	*-214.56*	
33 01 30 72-0192	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,142.81	
		For Vinlyester Resin, Add	*761.95*	
		For Epoxy Resin, Add	*89.80*	
		For Up To >10, Add	*707.18*	
		For >10 To 25, Add	*407.90*	
		For >25 To 50, Add	*299.17*	
		For >50 To 100, Add	*149.58*	
		For >500 To 1,000, Deduct	*-58.50*	
		For >1,000 To 2,000, Deduct	*-88.43*	
		For >2,000 To 5,000, Deduct	*-144.20*	
		For >5,000, Deduct	*-239.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,447.04	
		For Vinlyester Resin, Add	*967.05*	
		For Epoxy Resin, Add	*113.97*	
		For Up To >10, Add	*887.37*	
		For >10 To 25, Add	*509.23*	
		For >25 To 50, Add	*374.61*	
		For >50 To 100, Add	*187.31*	
		For >500 To 1,000, Deduct	*-73.99*	
		For >1,000 To 2,000, Deduct	*-111.81*	
		For >2,000 To 5,000, Deduct	*-182.17*	
		For >5,000, Deduct	*-302.52*	
33 01 30 72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,617.72	
		For Vinlyester Resin, Add	*1,078.57*	
		For Epoxy Resin, Add	*127.12*	
		For Up To >10, Add	*1,001.14*	
		For >10 To 25, Add	*577.48*	
		For >25 To 50, Add	*423.53*	
		For >50 To 100, Add	*211.76*	
		For >500 To 1,000, Deduct	*-82.81*	
		For >1,000 To 2,000, Deduct	*-125.17*	
		For >2,000 To 5,000, Deduct	*-204.12*	
		For >5,000, Deduct	*-338.93*	
33 01 30 72-0195	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,855.11	
		For Vinlyester Resin, Add	*1,236.89*	
		For Epoxy Resin, Add	*145.78*	
		For Up To >10, Add	*1,147.88*	
		For >10 To 25, Add	*662.07*	
		For >25 To 50, Add	*485.59*	
		For >50 To 100, Add	*242.80*	
		For >500 To 1,000, Deduct	*-94.96*	
		For >1,000 To 2,000, Deduct	*-143.54*	
		For >2,000 To 5,000, Deduct	*-234.07*	
		For >5,000, Deduct	*-388.65*	
33 01 30 72-0196	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,092.50	
		For Vinlyester Resin, Add	*1,395.19*	
		For Epoxy Resin, Add	*164.43*	
		For Up To >10, Add	*1,294.68*	
		For >10 To 25, Add	*746.71*	
		For >25 To 50, Add	*547.68*	
		For >50 To 100, Add	*273.84*	
		For >500 To 1,000, Deduct	*-107.11*	
		For >1,000 To 2,000, Deduct	*-161.91*	
		For >2,000 To 5,000, Deduct	*-264.02*	
		For >5,000, Deduct	*-438.37*	
33 01 30 72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,329.88	
		For Vinlyester Resin, Add	*1,553.50*	
		For Epoxy Resin, Add	*183.09*	
		For Up To >10, Add	*1,441.42*	
		For >10 To 25, Add	*831.30*	
		For >25 To 50, Add	*609.74*	
		For >50 To 100, Add	*304.87*	
		For >500 To 1,000, Deduct	*-119.26*	
		For >1,000 To 2,000, Deduct	*-180.27*	
		For >2,000 To 5,000, Deduct	*-293.96*	
		For >5,000, Deduct	*-488.09*	
33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,573.44	
		For Vinlyester Resin, Add	*1,711.82*	
		For Epoxy Resin, Add	*201.75*	
		For Up To >10, Add	*1,606.70*	
		For >10 To 25, Add	*931.34*	
		For >25 To 50, Add	*681.08*	
		For >50 To 100, Add	*340.54*	
		For >500 To 1,000, Deduct	*-131.87*	
		For >1,000 To 2,000, Deduct	*-199.41*	
		For >2,000 To 5,000, Deduct	*-325.45*	
		For >5,000, Deduct	*-540.29*	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,811.40	
		For Vinlyester Resin, Add	*1,870.13*	
		For Epoxy Resin, Add	*220.41*	
		For Up To >10, Add	*1,755.18*	
		For >10 To 25, Add	*1,017.38*	
		For >25 To 50, Add	*744.01*	
		For >50 To 100, Add	*372.00*	
		For >500 To 1,000, Deduct	*-144.06*	
		For >1,000 To 2,000, Deduct	*-217.84*	
		For >2,000 To 5,000, Deduct	*-355.54*	
		For >5,000, Deduct	*-590.24*	
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,049.48	
		For Vinlyester Resin, Add	*2,028.43*	
		For Epoxy Resin, Add	*239.07*	
		For Up To >10, Add	*1,904.04*	
		For >10 To 25, Add	*1,103.74*	
		For >25 To 50, Add	*807.13*	
		For >50 To 100, Add	*403.57*	
		For >500 To 1,000, Deduct	*-156.27*	
		For >1,000 To 2,000, Deduct	*-236.30*	
		For >2,000 To 5,000, Deduct	*-385.66*	
		For >5,000, Deduct	*-640.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,287.42	
		For Vinlyester Resin, Add	*2,186.74*	
		For Epoxy Resin, Add	*257.72*	
		For Up To >10, Add	*2,052.46*	
		For >10 To 25, Add	*1,189.73*	
		For >25 To 50, Add	*870.03*	
		For >50 To 100, Add	*435.02*	
		For >500 To 1,000, Deduct	*-168.46*	
		For >1,000 To 2,000, Deduct	*-254.73*	
		For >2,000 To 5,000, Deduct	*-415.75*	
		For >5,000, Deduct	*-690.18*	

33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	949.88	
		For Vinlyester Resin, Add	*633.77*	
		For Epoxy Resin, Add	*74.69*	
		For Up To >10, Add	*586.17*	
		For >10 To 25, Add	*337.57*	
		For >25 To 50, Add	*247.81*	
		For >50 To 100, Add	*123.91*	
		For >500 To 1,000, Deduct	*-48.61*	
		For >1,000 To 2,000, Deduct	*-73.47*	
		For >2,000 To 5,000, Deduct	*-119.77*	
		For >5,000, Deduct	*-198.87*	
33 01 30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,074.81	
		For Vinlyester Resin, Add	*717.09*	
		For Epoxy Resin, Add	*84.51*	
		For Up To >10, Add	*663.38*	
		For >10 To 25, Add	*382.08*	
		For >25 To 50, Add	*280.47*	
		For >50 To 100, Add	*140.23*	
		For >500 To 1,000, Deduct	*-55.00*	
		For >1,000 To 2,000, Deduct	*-83.13*	
		For >2,000 To 5,000, Deduct	*-135.53*	
		For >5,000, Deduct	*-225.04*	
33 01 30 72-0205	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,199.72	
		For Vinlyester Resin, Add	*800.41*	
		For Epoxy Resin, Add	*94.33*	
		For Up To >10, Add	*740.56*	
		For >10 To 25, Add	*426.56*	
		For >25 To 50, Add	*313.11*	
		For >50 To 100, Add	*156.55*	
		For >500 To 1,000, Deduct	*-61.39*	
		For >1,000 To 2,000, Deduct	*-92.79*	
		For >2,000 To 5,000, Deduct	*-151.28*	
		For >5,000, Deduct	*-251.20*	
33 01 30 72-0206	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,449.43	
		For Vinlyester Resin, Add	*967.05*	
		For Epoxy Resin, Add	*113.97*	
		For Up To >10, Add	*894.54*	
		For >10 To 25, Add	*515.20*	
		For >25 To 50, Add	*378.20*	
		For >50 To 100, Add	*189.10*	
		For >500 To 1,000, Deduct	*-74.17*	
		For >1,000 To 2,000, Deduct	*-112.10*	
		For >2,000 To 5,000, Deduct	*-182.76*	
		For >5,000, Deduct	*-303.47*	
33 01 30 72-0207	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,699.27	
		For Vinlyester Resin, Add	*1,133.69*	
		For Epoxy Resin, Add	*133.61*	
		For Up To >10, Add	*1,048.91*	
		For >10 To 25, Add	*604.17*	
		For >25 To 50, Add	*443.48*	
		For >50 To 100, Add	*221.74*	
		For >500 To 1,000, Deduct	*-86.96*	
		For >1,000 To 2,000, Deduct	*-131.43*	
		For >2,000 To 5,000, Deduct	*-214.27*	
		For >5,000, Deduct	*-355.80*	
33 01 30 72-0208	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,948.99	
		For Vinlyester Resin, Add	*1,300.34*	
		For Epoxy Resin, Add	*153.25*	
		For Up To >10, Add	*1,202.90*	
		For >10 To 25, Add	*692.81*	
		For >25 To 50, Add	*508.57*	
		For >50 To 100, Add	*254.28*	
		For >500 To 1,000, Deduct	*-99.73*	
		For >1,000 To 2,000, Deduct	*-150.74*	
		For >2,000 To 5,000, Deduct	*-245.76*	
		For >5,000, Deduct	*-408.07*	
33 01 30 72-0209	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,198.84	
		For Vinlyester Resin, Add	*1,466.98*	
		For Epoxy Resin, Add	*172.89*	
		For Up To >10, Add	*1,357.30*	
		For >10 To 25, Add	*781.80*	
		For >25 To 50, Add	*573.86*	
		For >50 To 100, Add	*286.93*	
		For >500 To 1,000, Deduct	*-112.52*	
		For >1,000 To 2,000, Deduct	*-170.07*	
		For >2,000 To 5,000, Deduct	*-277.27*	
		For >5,000, Deduct	*-460.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0210	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,448.55	
		For Vinlyester Resin, Add	*1,633.63*	
		For Epoxy Resin, Add	*192.53*	
		For Up To >10, Add	*1,511.28*	
		For >10 To 25, Add	*870.44*	
		For >25 To 50, Add	*638.95*	
		For >50 To 100, Add	*319.48*	
		For >500 To 1,000, Deduct	*-125.30*	
		For >1,000 To 2,000, Deduct	*-189.38*	
		For >2,000 To 5,000, Deduct	*-308.75*	
		For >5,000, Deduct	*-512.67*	
33 01 30 72-0211	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,704.72	
		For Vinlyester Resin, Add	*1,800.27*	
		For Epoxy Resin, Add	*212.17*	
		For Up To >10, Add	*1,684.64*	
		For >10 To 25, Add	*975.23*	
		For >25 To 50, Add	*713.73*	
		For >50 To 100, Add	*356.86*	
		For >500 To 1,000, Deduct	*-138.56*	
		For >1,000 To 2,000, Deduct	*-209.50*	
		For >2,000 To 5,000, Deduct	*-341.84*	
		For >5,000, Deduct	*-567.53*	
33 01 30 72-0212	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,955.00	
		For Vinlyester Resin, Add	*1,966.92*	
		For Epoxy Resin, Add	*231.82*	
		For Up To >10, Add	*1,840.30*	
		For >10 To 25, Add	*1,065.27*	
		For >25 To 50, Add	*779.66*	
		For >50 To 100, Add	*389.83*	
		For >500 To 1,000, Deduct	*-151.38*	
		For >1,000 To 2,000, Deduct	*-228.88*	
		For >2,000 To 5,000, Deduct	*-373.47*	
		For >5,000, Deduct	*-620.02*	
33 01 30 72-0213	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,205.40	
		For Vinlyester Resin, Add	*2,133.55*	
		For Epoxy Resin, Add	*251.45*	
		For Up To >10, Add	*1,996.38*	
		For >10 To 25, Add	*1,155.66*	
		For >25 To 50, Add	*845.79*	
		For >50 To 100, Add	*422.90*	
		For >500 To 1,000, Deduct	*-164.21*	
		For >1,000 To 2,000, Deduct	*-248.28*	
		For >2,000 To 5,000, Deduct	*-405.12*	
		For >5,000, Deduct	*-672.57*	
33 01 30 72-0214	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,455.82	
		For Vinlyester Resin, Add	*2,300.20*	
		For Epoxy Resin, Add	*271.10*	
		For Up To >10, Add	*2,152.46*	
		For >10 To 25, Add	*1,246.05*	
		For >25 To 50, Add	*911.93*	
		For >50 To 100, Add	*455.97*	
		For >500 To 1,000, Deduct	*-177.04*	
		For >1,000 To 2,000, Deduct	*-267.68*	
		For >2,000 To 5,000, Deduct	*-436.78*	
		For >5,000, Deduct	*-725.13*	
33 01 30 72-0215	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,706.09	
		For Vinlyester Resin, Add	*2,466.84*	
		For Epoxy Resin, Add	*290.73*	
		For Up To >10, Add	*2,308.12*	
		For >10 To 25, Add	*1,336.09*	
		For >25 To 50, Add	*977.86*	
		For >50 To 100, Add	*488.93*	
		For >500 To 1,000, Deduct	*-189.86*	
		For >1,000 To 2,000, Deduct	*-287.06*	
		For >2,000 To 5,000, Deduct	*-468.39*	
		For >5,000, Deduct	*-777.62*	
33 01 30 72-0216	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,956.50	
		For Vinlyester Resin, Add	*2,633.48*	
		For Epoxy Resin, Add	*310.37*	
		For Up To >10, Add	*2,464.20*	
		For >10 To 25, Add	*1,426.48*	
		For >25 To 50, Add	*1,043.99*	
		For >50 To 100, Add	*522.00*	
		For >500 To 1,000, Deduct	*-202.68*	
		For >1,000 To 2,000, Deduct	*-306.46*	
		For >2,000 To 5,000, Deduct	*-500.05*	
		For >5,000, Deduct	*-830.18*	

33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	994.22	
		For Vinlyester Resin, Add	*663.73*	
		For Epoxy Resin, Add	*78.23*	
		For Up To >10, Add	*612.19*	
		For >10 To 25, Add	*352.12*	
		For >25 To 50, Add	*258.68*	
		For >50 To 100, Add	*129.34*	
		For >500 To 1,000, Deduct	*-50.86*	
		For >1,000 To 2,000, Deduct	*-76.87*	
		For >2,000 To 5,000, Deduct	*-125.29*	
		For >5,000, Deduct	*-208.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,125.25	
		For Vinlyester Resin, Add	*751.23*	
		For Epoxy Resin, Add	*88.54*	
		For Up To >10, Add	*692.80*	
		For >10 To 25, Add	*398.47*	
		For >25 To 50, Add	*292.74*	
		For >50 To 100, Add	*146.37*	
		For >500 To 1,000, Deduct	*-57.56*	
		For >1,000 To 2,000, Deduct	*-87.00*	
		For >2,000 To 5,000, Deduct	*-141.80*	
		For >5,000, Deduct	*-235.46*	
33 01 30 72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,256.25	
		For Vinlyester Resin, Add	*838.71*	
		For Epoxy Resin, Add	*98.85*	
		For Up To >10, Add	*773.38*	
		For >10 To 25, Add	*444.79*	
		For >25 To 50, Add	*326.78*	
		For >50 To 100, Add	*163.39*	
		For >500 To 1,000, Deduct	*-64.27*	
		For >1,000 To 2,000, Deduct	*-97.12*	
		For >2,000 To 5,000, Deduct	*-158.30*	
		For >5,000, Deduct	*-262.87*	
33 01 30 72-0221	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,518.43	
		For Vinlyester Resin, Add	*1,013.68*	
		For Epoxy Resin, Add	*119.47*	
		For Up To >10, Add	*934.99*	
		For >10 To 25, Add	*537.81*	
		For >25 To 50, Add	*395.09*	
		For >50 To 100, Add	*197.54*	
		For >500 To 1,000, Deduct	*-77.68*	
		For >1,000 To 2,000, Deduct	*-117.40*	
		For >2,000 To 5,000, Deduct	*-191.35*	
		For >5,000, Deduct	*-317.75*	
33 01 30 72-0222	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,780.47	
		For Vinlyester Resin, Add	*1,188.66*	
		For Epoxy Resin, Add	*140.09*	
		For Up To >10, Add	*1,096.19*	
		For >10 To 25, Add	*630.47*	
		For >25 To 50, Add	*463.19*	
		For >50 To 100, Add	*231.59*	
		For >500 To 1,000, Deduct	*-91.08*	
		For >1,000 To 2,000, Deduct	*-137.65*	
		For >2,000 To 5,000, Deduct	*-224.37*	
		For >5,000, Deduct	*-372.57*	
33 01 30 72-0223	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,042.64	
		For Vinlyester Resin, Add	*1,363.64*	
		For Epoxy Resin, Add	*160.71*	
		For Up To >10, Add	*1,257.80*	
		For >10 To 25, Add	*723.49*	
		For >25 To 50, Add	*531.50*	
		For >50 To 100, Add	*265.75*	
		For >500 To 1,000, Deduct	*-104.50*	
		For >1,000 To 2,000, Deduct	*-157.93*	
		For >2,000 To 5,000, Deduct	*-257.41*	
		For >5,000, Deduct	*-427.45*	
33 01 30 72-0224	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,304.67	
		For Vinlyester Resin, Add	*1,538.61*	
		For Epoxy Resin, Add	*181.34*	
		For Up To >10, Add	*1,418.99*	
		For >10 To 25, Add	*816.15*	
		For >25 To 50, Add	*599.59*	
		For >50 To 100, Add	*299.80*	
		For >500 To 1,000, Deduct	*-117.90*	
		For >1,000 To 2,000, Deduct	*-178.18*	
		For >2,000 To 5,000, Deduct	*-290.43*	
		For >5,000, Deduct	*-482.27*	
33 01 30 72-0225	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,566.71	
		For Vinlyester Resin, Add	*1,713.59*	
		For Epoxy Resin, Add	*201.96*	
		For Up To >10, Add	*1,580.18*	
		For >10 To 25, Add	*908.82*	
		For >25 To 50, Add	*667.69*	
		For >50 To 100, Add	*333.85*	
		For >500 To 1,000, Deduct	*-131.30*	
		For >1,000 To 2,000, Deduct	*-198.44*	
		For >2,000 To 5,000, Deduct	*-323.44*	
		For >5,000, Deduct	*-537.09*	
33 01 30 72-0226	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,835.48	
		For Vinlyester Resin, Add	*1,888.57*	
		For Epoxy Resin, Add	*222.58*	
		For Up To >10, Add	*1,761.57*	
		For >10 To 25, Add	*1,018.31*	
		For >25 To 50, Add	*745.89*	
		For >50 To 100, Add	*372.94*	
		For >500 To 1,000, Deduct	*-145.21*	
		For >1,000 To 2,000, Deduct	*-219.54*	
		For >2,000 To 5,000, Deduct	*-358.14*	
		For >5,000, Deduct	*-594.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0227	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,118.49	
		For Vinlyester Resin, Add	*2,077.63*	
		For Epoxy Resin, Add	*244.86*	
		For Up To >10, Add	*1,935.37*	
		For >10 To 25, Add	*1,118.14*	
		For >25 To 50, Add	*819.28*	
		For >50 To 100, Add	*409.64*	
		For >500 To 1,000, Deduct	*-159.69*	
		For >1,000 To 2,000, Deduct	*-241.41*	
		For >2,000 To 5,000, Deduct	*-393.78*	
		For >5,000, Deduct	*-653.79*	
33 01 30 72-0228	LF	31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,360.81	
		For Vinlyester Resin, Add	*2,238.51*	
		For Epoxy Resin, Add	*263.82*	
		For Up To >10, Add	*2,087.76*	
		For >10 To 25, Add	*1,206.82*	
		For >25 To 50, Add	*883.98*	
		For >50 To 100, Add	*441.99*	
		For >500 To 1,000, Deduct	*-172.11*	
		For >1,000 To 2,000, Deduct	*-260.21*	
		For >2,000 To 5,000, Deduct	*-424.48*	
		For >5,000, Deduct	*-704.75*	
33 01 30 72-0229	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,623.55	
		For Vinlyester Resin, Add	*2,413.49*	
		For Epoxy Resin, Add	*284.45*	
		For Up To >10, Add	*2,251.05*	
		For >10 To 25, Add	*1,301.24*	
		For >25 To 50, Add	*953.13*	
		For >50 To 100, Add	*476.57*	
		For >500 To 1,000, Deduct	*-185.57*	
		For >1,000 To 2,000, Deduct	*-280.55*	
		For >2,000 To 5,000, Deduct	*-457.67*	
		For >5,000, Deduct	*-759.85*	
33 01 30 72-0230	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,886.14	
		For Vinlyester Resin, Add	*2,588.46*	
		For Epoxy Resin, Add	*305.07*	
		For Up To >10, Add	*2,413.92*	
		For >10 To 25, Add	*1,395.30*	
		For >25 To 50, Add	*1,022.07*	
		For >50 To 100, Add	*511.04*	
		For >500 To 1,000, Deduct	*-199.02*	
		For >1,000 To 2,000, Deduct	*-300.88*	
		For >2,000 To 5,000, Deduct	*-490.82*	
		For >5,000, Deduct	*-814.90*	
33 01 30 72-0231	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,148.88	
		For Vinlyester Resin, Add	*2,763.43*	
		For Epoxy Resin, Add	*325.69*	
		For Up To >10, Add	*2,577.24*	
		For >10 To 25, Add	*1,489.74*	
		For >25 To 50, Add	*1,091.23*	
		For >50 To 100, Add	*545.62*	
		For >500 To 1,000, Deduct	*-212.47*	
		For >1,000 To 2,000, Deduct	*-321.22*	
		For >2,000 To 5,000, Deduct	*-524.01*	
		For >5,000, Deduct	*-870.00*	

33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0233	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,038.21	
		For Vinlyester Resin, Add	*693.54*	
		For Epoxy Resin, Add	*81.74*	
		For Up To >10, Add	*637.71*	
		For >10 To 25, Add	*366.29*	
		For >25 To 50, Add	*269.31*	
		For >50 To 100, Add	*134.66*	
		For >500 To 1,000, Deduct	*-53.10*	
		For >1,000 To 2,000, Deduct	*-80.24*	
		For >2,000 To 5,000, Deduct	*-130.75*	
		For >5,000, Deduct	*-217.13*	
33 01 30 72-0234	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,175.46	
		For Vinlyester Resin, Add	*785.19*	
		For Epoxy Resin, Add	*92.54*	
		For Up To >10, Add	*722.13*	
		For >10 To 25, Add	*414.83*	
		For >25 To 50, Add	*304.98*	
		For >50 To 100, Add	*152.49*	
		For >500 To 1,000, Deduct	*-60.12*	
		For >1,000 To 2,000, Deduct	*-90.85*	
		For >2,000 To 5,000, Deduct	*-148.04*	
		For >5,000, Deduct	*-245.84*	
33 01 30 72-0235	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,312.56	
		For Vinlyester Resin, Add	*876.84*	
		For Epoxy Resin, Add	*103.34*	
		For Up To >10, Add	*806.11*	
		For >10 To 25, Add	*462.98*	
		For >25 To 50, Add	*340.42*	
		For >50 To 100, Add	*170.21*	
		For >500 To 1,000, Deduct	*-67.13*	
		For >1,000 To 2,000, Deduct	*-101.44*	
		For >2,000 To 5,000, Deduct	*-165.30*	
		For >5,000, Deduct	*-274.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0236	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,587.06	
		For Vinlyester Resin, Add	*1,060.16*	
		For Epoxy Resin, Add	*124.95*	
		For Up To >10, Add	*974.91*	
		For >10 To 25, Add	*560.00*	
		For >25 To 50, Add	*411.73*	
		For >50 To 100, Add	*205.86*	
		For >500 To 1,000, Deduct	*-81.17*	
		For >1,000 To 2,000, Deduct	*-122.66*	
		For >2,000 To 5,000, Deduct	*-199.88*	
		For >5,000, Deduct	*-331.92*	
33 01 30 72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,861.42	
		For Vinlyester Resin, Add	*1,243.46*	
		For Epoxy Resin, Add	*146.55*	
		For Up To >10, Add	*1,143.34*	
		For >10 To 25, Add	*656.72*	
		For >25 To 50, Add	*482.85*	
		For >50 To 100, Add	*241.42*	
		For >500 To 1,000, Deduct	*-95.20*	
		For >1,000 To 2,000, Deduct	*-143.86*	
		For >2,000 To 5,000, Deduct	*-234.43*	
		For >5,000, Deduct	*-389.29*	
33 01 30 72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,135.92	
		For Vinlyester Resin, Add	*1,426.77*	
		For Epoxy Resin, Add	*168.15*	
		For Up To >10, Add	*1,312.16*	
		For >10 To 25, Add	*753.76*	
		For >25 To 50, Add	*554.17*	
		For >50 To 100, Add	*277.08*	
		For >500 To 1,000, Deduct	*-109.24*	
		For >1,000 To 2,000, Deduct	*-165.08*	
		For >2,000 To 5,000, Deduct	*-269.01*	
		For >5,000, Deduct	*-446.72*	
33 01 30 72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,410.27	
		For Vinlyester Resin, Add	*1,610.07*	
		For Epoxy Resin, Add	*189.76*	
		For Up To >10, Add	*1,480.56*	
		For >10 To 25, Add	*850.45*	
		For >25 To 50, Add	*625.28*	
		For >50 To 100, Add	*312.64*	
		For >500 To 1,000, Deduct	*-123.27*	
		For >1,000 To 2,000, Deduct	*-186.28*	
		For >2,000 To 5,000, Deduct	*-303.55*	
		For >5,000, Deduct	*-504.09*	
33 01 30 72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,684.64	
		For Vinlyester Resin, Add	*1,793.39*	
		For Epoxy Resin, Add	*211.36*	
		For Up To >10, Add	*1,648.97*	
		For >10 To 25, Add	*947.15*	
		For >25 To 50, Add	*696.39*	
		For >50 To 100, Add	*348.19*	
		For >500 To 1,000, Deduct	*-137.30*	
		For >1,000 To 2,000, Deduct	*-207.48*	
		For >2,000 To 5,000, Deduct	*-338.10*	
		For >5,000, Deduct	*-561.46*	
33 01 30 72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,965.87	
		For Vinlyester Resin, Add	*1,976.69*	
		For Epoxy Resin, Add	*232.97*	
		For Up To >10, Add	*1,838.01*	
		For >10 To 25, Add	*1,061.04*	
		For >25 To 50, Add	*777.81*	
		For >50 To 100, Add	*388.91*	
		For >500 To 1,000, Deduct	*-151.84*	
		For >1,000 To 2,000, Deduct	*-229.54*	
		For >2,000 To 5,000, Deduct	*-374.37*	
		For >5,000, Deduct	*-621.58*	
33 01 30 72-0242	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,241.35	
		For Vinlyester Resin, Add	*2,160.00*	
		For Epoxy Resin, Add	*254.57*	
		For Up To >10, Add	*2,009.78*	
		For >10 To 25, Add	*1,160.53*	
		For >25 To 50, Add	*850.60*	
		For >50 To 100, Add	*425.30*	
		For >500 To 1,000, Deduct	*-165.96*	
		For >1,000 To 2,000, Deduct	*-250.88*	
		For >2,000 To 5,000, Deduct	*-409.20*	
		For >5,000, Deduct	*-679.40*	
33 01 30 72-0243	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,515.84	
		For Vinlyester Resin, Add	*2,343.30*	
		For Epoxy Resin, Add	*276.17*	
		For Up To >10, Add	*2,178.60*	
		For >10 To 25, Add	*1,257.57*	
		For >25 To 50, Add	*921.92*	
		For >50 To 100, Add	*460.96*	
		For >500 To 1,000, Deduct	*-180.00*	
		For >1,000 To 2,000, Deduct	*-272.10*	
		For >2,000 To 5,000, Deduct	*-443.78*	
		For >5,000, Deduct	*-736.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0244	LF	33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,790.91	
		For Vinlyester Resin, Add	*2,526.61*	
		For Epoxy Resin, Add	*297.78*	
		For Up To >10, Add	*2,349.13*	
		For >10 To 25, Add	*1,356.04*	
		For >25 To 50, Add	*994.09*	
		For >50 To 100, Add	*497.05*	
		For >500 To 1,000, Deduct	*-194.08*	
		For >1,000 To 2,000, Deduct	*-293.39*	
		For >2,000 To 5,000, Deduct	*-478.50*	
		For >5,000, Deduct	*-794.48*	
33 01 30 72-0245	LF	33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,065.97	
		For Vinlyester Resin, Add	*2,709.92*	
		For Epoxy Resin, Add	*319.38*	
		For Up To >10, Add	*2,519.64*	
		For >10 To 25, Add	*1,454.48*	
		For >25 To 50, Add	*1,066.25*	
		For >50 To 100, Add	*533.13*	
		For >500 To 1,000, Deduct	*-208.17*	
		For >1,000 To 2,000, Deduct	*-314.68*	
		For >2,000 To 5,000, Deduct	*-513.22*	
		For >5,000, Deduct	*-852.13*	
33 01 30 72-0246	LF	33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,341.03	
		For Vinlyester Resin, Add	*2,893.23*	
		For Epoxy Resin, Add	*340.99*	
		For Up To >10, Add	*2,690.14*	
		For >10 To 25, Add	*1,552.92*	
		For >25 To 50, Add	*1,138.41*	
		For >50 To 100, Add	*569.21*	
		For >500 To 1,000, Deduct	*-222.25*	
		For >1,000 To 2,000, Deduct	*-335.97*	
		For >2,000 To 5,000, Deduct	*-547.94*	
		For >5,000, Deduct	*-909.78*	

33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0248	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,225.00	
		For Vinlyester Resin, Add	*818.99*	
		For Epoxy Resin, Add	*96.52*	
		For Up To >10, Add	*750.03*	
		For >10 To 25, Add	*430.02*	
		For >25 To 50, Add	*316.51*	
		For >50 To 100, Add	*158.26*	
		For >500 To 1,000, Deduct	*-62.63*	
		For >1,000 To 2,000, Deduct	*-94.63*	
		For >2,000 To 5,000, Deduct	*-154.15*	
		For >5,000, Deduct	*-256.00*	
33 01 30 72-0249	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,368.34	
		For Vinlyester Resin, Add	*914.81*	
		For Epoxy Resin, Add	*107.82*	
		For Up To >10, Add	*837.85*	
		For >10 To 25, Add	*480.39*	
		For >25 To 50, Add	*353.58*	
		For >50 To 100, Add	*176.79*	
		For >500 To 1,000, Deduct	*-69.95*	
		For >1,000 To 2,000, Deduct	*-105.70*	
		For >2,000 To 5,000, Deduct	*-172.19*	
		For >5,000, Deduct	*-285.96*	
33 01 30 72-0250	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,655.03	
		For Vinlyester Resin, Add	*1,106.46*	
		For Epoxy Resin, Add	*130.40*	
		For Up To >10, Add	*1,013.47*	
		For >10 To 25, Add	*581.11*	
		For >25 To 50, Add	*427.70*	
		For >50 To 100, Add	*213.85*	
		For >500 To 1,000, Deduct	*-84.61*	
		For >1,000 To 2,000, Deduct	*-127.85*	
		For >2,000 To 5,000, Deduct	*-208.27*	
		For >5,000, Deduct	*-345.88*	
33 01 30 72-0251	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,941.58	
		For Vinlyester Resin, Add	*1,298.09*	
		For Epoxy Resin, Add	*152.99*	
		For Up To >10, Add	*1,188.69*	
		For >10 To 25, Add	*681.51*	
		For >25 To 50, Add	*501.62*	
		For >50 To 100, Add	*250.81*	
		For >500 To 1,000, Deduct	*-99.26*	
		For >1,000 To 2,000, Deduct	*-149.98*	
		For >2,000 To 5,000, Deduct	*-244.32*	
		For >5,000, Deduct	*-405.75*	
33 01 30 72-0252	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,228.25	
		For Vinlyester Resin, Add	*1,489.73*	
		For Epoxy Resin, Add	*175.58*	
		For Up To >10, Add	*1,364.28*	
		For >10 To 25, Add	*782.20*	
		For >25 To 50, Add	*575.73*	
		For >50 To 100, Add	*287.86*	
		For >500 To 1,000, Deduct	*-113.91*	
		For >1,000 To 2,000, Deduct	*-172.12*	
		For >2,000 To 5,000, Deduct	*-280.40*	
		For >5,000, Deduct	*-465.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0253	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,514.79	
		For Vinlyester Resin, Add	*1,681.37*	
		For Epoxy Resin, Add	*198.16*	
		For Up To >10, Add	*1,539.47*	
		For >10 To 25, Add	*882.57*	
		For >25 To 50, Add	*649.64*	
		For >50 To 100, Add	*324.82*	
		For >500 To 1,000, Deduct	*-128.56*	
		For >1,000 To 2,000, Deduct	*-194.25*	
		For >2,000 To 5,000, Deduct	*-316.44*	
		For >5,000, Deduct	*-525.52*	
33 01 30 72-0254	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,801.48	
		For Vinlyester Resin, Add	*1,873.01*	
		For Epoxy Resin, Add	*220.75*	
		For Up To >10, Add	*1,715.12*	
		For >10 To 25, Add	*983.31*	
		For >25 To 50, Add	*723.77*	
		For >50 To 100, Add	*361.89*	
		For >500 To 1,000, Deduct	*-143.22*	
		For >1,000 To 2,000, Deduct	*-216.40*	
		For >2,000 To 5,000, Deduct	*-352.53*	
		For >5,000, Deduct	*-585.45*	
33 01 30 72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,095.04	
		For Vinlyester Resin, Add	*2,064.65*	
		For Epoxy Resin, Add	*243.33*	
		For Up To >10, Add	*1,911.37*	
		For >10 To 25, Add	*1,101.23*	
		For >25 To 50, Add	*808.21*	
		For >50 To 100, Add	*404.11*	
		For >500 To 1,000, Deduct	*-158.39*	
		For >1,000 To 2,000, Deduct	*-239.41*	
		For >2,000 To 5,000, Deduct	*-390.33*	
		For >5,000, Deduct	*-648.12*	
33 01 30 72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,382.56	
		For Vinlyester Resin, Add	*2,256.29*	
		For Epoxy Resin, Add	*265.92*	
		For Up To >10, Add	*2,089.51*	
		For >10 To 25, Add	*1,204.04*	
		For >25 To 50, Add	*883.59*	
		For >50 To 100, Add	*441.79*	
		For >500 To 1,000, Deduct	*-173.11*	
		For >1,000 To 2,000, Deduct	*-261.66*	
		For >2,000 To 5,000, Deduct	*-426.61*	
		For >5,000, Deduct	*-708.37*	
33 01 30 72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,667.28	
		For Vinlyester Resin, Add	*2,447.93*	
		For Epoxy Resin, Add	*288.51*	
		For Up To >10, Add	*2,259.24*	
		For >10 To 25, Add	*1,299.86*	
		For >25 To 50, Add	*954.77*	
		For >50 To 100, Add	*477.38*	
		For >500 To 1,000, Deduct	*-187.62*	
		For >1,000 To 2,000, Deduct	*-283.56*	
		For >2,000 To 5,000, Deduct	*-462.20*	
		For >5,000, Deduct	*-767.50*	
33 01 30 72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,956.91	
		For Vinlyester Resin, Add	*2,639.57*	
		For Epoxy Resin, Add	*311.09*	
		For Up To >10, Add	*2,443.71*	
		For >10 To 25, Add	*1,407.95*	
		For >25 To 50, Add	*1,033.31*	
		For >50 To 100, Add	*516.66*	
		For >500 To 1,000, Deduct	*-202.50*	
		For >1,000 To 2,000, Deduct	*-306.07*	
		For >2,000 To 5,000, Deduct	*-499.02*	
		For >5,000, Deduct	*-828.60*	
33 01 30 72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,244.15	
		For Vinlyester Resin, Add	*2,831.21*	
		For Epoxy Resin, Add	*333.68*	
		For Up To >10, Add	*2,621.00*	
		For >10 To 25, Add	*1,510.07*	
		For >25 To 50, Add	*1,108.27*	
		For >50 To 100, Add	*554.14*	
		For >500 To 1,000, Deduct	*-217.20*	
		For >1,000 To 2,000, Deduct	*-328.29*	
		For >2,000 To 5,000, Deduct	*-535.24*	
		For >5,000, Deduct	*-888.74*	
33 01 30 72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,531.40	
		For Vinlyester Resin, Add	*3,022.85*	
		For Epoxy Resin, Add	*356.26*	
		For Up To >10, Add	*2,798.33*	
		For >10 To 25, Add	*1,612.21*	
		For >25 To 50, Add	*1,183.25*	
		For >50 To 100, Add	*591.62*	
		For >500 To 1,000, Deduct	*-231.90*	
		For >1,000 To 2,000, Deduct	*-350.51*	
		For >2,000 To 5,000, Deduct	*-571.46*	
		For >5,000, Deduct	*-948.89*	

33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,274.33	
		For Vinlyester Resin, Add	*852.64*	
		For Epoxy Resin, Add	*100.49*	
		For Up To >10, Add	*777.87*	
		For >10 To 25, Add	*445.21*	
		For >25 To 50, Add	*328.03*	
		For >50 To 100, Add	*164.02*	
		For >500 To 1,000, Deduct	*-65.12*	
		For >1,000 To 2,000, Deduct	*-98.39*	
		For >2,000 To 5,000, Deduct	*-160.24*	
		For >5,000, Deduct	*-266.12*	
33 01 30 72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,423.76	
		For Vinlyester Resin, Add	*952.62*	
		For Epoxy Resin, Add	*112.27*	
		For Up To >10, Add	*869.08*	
		For >10 To 25, Add	*497.42*	
		For >25 To 50, Add	*366.50*	
		For >50 To 100, Add	*183.25*	
		For >500 To 1,000, Deduct	*-72.76*	
		For >1,000 To 2,000, Deduct	*-109.93*	
		For >2,000 To 5,000, Deduct	*-179.03*	
		For >5,000, Deduct	*-297.33*	
33 01 30 72-0264	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,722.62	
		For Vinlyester Resin, Add	*1,152.59*	
		For Epoxy Resin, Add	*135.84*	
		For Up To >10, Add	*1,051.46*	
		For >10 To 25, Add	*601.79*	
		For >25 To 50, Add	*443.40*	
		For >50 To 100, Add	*221.70*	
		For >500 To 1,000, Deduct	*-88.03*	
		For >1,000 To 2,000, Deduct	*-133.00*	
		For >2,000 To 5,000, Deduct	*-216.60*	
		For >5,000, Deduct	*-359.74*	
33 01 30 72-0265	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,021.50	
		For Vinlyester Resin, Add	*1,352.57*	
		For Epoxy Resin, Add	*159.41*	
		For Up To >10, Add	*1,233.90*	
		For >10 To 25, Add	*706.21*	
		For >25 To 50, Add	*520.34*	
		For >50 To 100, Add	*260.17*	
		For >500 To 1,000, Deduct	*-103.31*	
		For >1,000 To 2,000, Deduct	*-156.08*	
		For >2,000 To 5,000, Deduct	*-254.18*	
		For >5,000, Deduct	*-422.15*	
33 01 30 72-0266	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,320.22	
		For Vinlyester Resin, Add	*1,552.54*	
		For Epoxy Resin, Add	*182.98*	
		For Up To >10, Add	*1,415.89*	
		For >10 To 25, Add	*810.25*	
		For >25 To 50, Add	*597.05*	
		For >50 To 100, Add	*298.52*	
		For >500 To 1,000, Deduct	*-118.57*	
		For >1,000 To 2,000, Deduct	*-179.13*	
		For >2,000 To 5,000, Deduct	*-291.73*	
		For >5,000, Deduct	*-484.51*	
33 01 30 72-0267	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,619.08	
		For Vinlyester Resin, Add	*1,752.51*	
		For Epoxy Resin, Add	*206.55*	
		For Up To >10, Add	*1,598.29*	
		For >10 To 25, Add	*914.65*	
		For >25 To 50, Add	*673.97*	
		For >50 To 100, Add	*336.98*	
		For >500 To 1,000, Deduct	*-133.84*	
		For >1,000 To 2,000, Deduct	*-202.21*	
		For >2,000 To 5,000, Deduct	*-329.30*	
		For >5,000, Deduct	*-546.92*	
33 01 30 72-0268	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,917.95	
		For Vinlyester Resin, Add	*1,952.48*	
		For Epoxy Resin, Add	*230.11*	
		For Up To >10, Add	*1,780.70*	
		For >10 To 25, Add	*1,019.04*	
		For >25 To 50, Add	*750.89*	
		For >50 To 100, Add	*375.44*	
		For >500 To 1,000, Deduct	*-149.11*	
		For >1,000 To 2,000, Deduct	*-225.28*	
		For >2,000 To 5,000, Deduct	*-366.88*	
		For >5,000, Deduct	*-609.33*	
33 01 30 72-0269	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,223.98	
		For Vinlyester Resin, Add	*2,152.45*	
		For Epoxy Resin, Add	*253.68*	
		For Up To >10, Add	*1,984.62*	
		For >10 To 25, Add	*1,141.36*	
		For >25 To 50, Add	*838.56*	
		For >50 To 100, Add	*419.28*	
		For >500 To 1,000, Deduct	*-164.93*	
		For >1,000 To 2,000, Deduct	*-249.25*	
		For >2,000 To 5,000, Deduct	*-406.25*	
		For >5,000, Deduct	*-674.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0270	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,523.54	
		For Vinlyester Resin, Add	*2,352.42*	
		For Epoxy Resin, Add	*277.25*	
		For Up To >10, Add	*2,169.12*	
		For >10 To 25, Add	*1,247.50*	
		For >25 To 50, Add	*916.53*	
		For >50 To 100, Add	*458.27*	
		For >500 To 1,000, Deduct	*-180.25*	
		For >1,000 To 2,000, Deduct	*-272.41*	
		For >2,000 To 5,000, Deduct	*-444.01*	
		For >5,000, Deduct	*-737.30*	
33 01 30 72-0271	LF	36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,818.34	
		For Vinlyester Resin, Add	*2,552.40*	
		For Epoxy Resin, Add	*300.82*	
		For Up To >10, Add	*2,339.32*	
		For >10 To 25, Add	*1,341.72*	
		For >25 To 50, Add	*987.35*	
		For >50 To 100, Add	*493.67*	
		For >500 To 1,000, Deduct	*-195.22*	
		For >1,000 To 2,000, Deduct	*-294.98*	
		For >2,000 To 5,000, Deduct	*-480.57*	
		For >5,000, Deduct	*-798.08*	
33 01 30 72-0272	LF	36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,122.54	
		For Vinlyester Resin, Add	*2,752.37*	
		For Epoxy Resin, Add	*324.39*	
		For Up To >10, Add	*2,537.75*	
		For >10 To 25, Add	*1,459.46*	
		For >25 To 50, Add	*1,072.28*	
		For >50 To 100, Add	*536.14*	
		For >500 To 1,000, Deduct	*-210.89*	
		For >1,000 To 2,000, Deduct	*-318.72*	
		For >2,000 To 5,000, Deduct	*-519.48*	
		For >5,000, Deduct	*-862.63*	
33 01 30 72-0273	LF	36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,422.11	
		For Vinlyester Resin, Add	*2,952.33*	
		For Epoxy Resin, Add	*347.95*	
		For Up To >10, Add	*2,722.28*	
		For >10 To 25, Add	*1,565.63*	
		For >25 To 50, Add	*1,150.26*	
		For >50 To 100, Add	*575.13*	
		For >500 To 1,000, Deduct	*-226.22*	
		For >1,000 To 2,000, Deduct	*-341.88*	
		For >2,000 To 5,000, Deduct	*-557.24*	
		For >5,000, Deduct	*-925.32*	
33 01 30 72-0274	LF	36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,721.68	
		For Vinlyester Resin, Add	*3,152.31*	
		For Epoxy Resin, Add	*371.52*	
		For Up To >10, Add	*2,906.79*	
		For >10 To 25, Add	*1,671.78*	
		For >25 To 50, Add	*1,228.23*	
		For >50 To 100, Add	*614.12*	
		For >500 To 1,000, Deduct	*-241.54*	
		For >1,000 To 2,000, Deduct	*-365.05*	
		For >2,000 To 5,000, Deduct	*-594.99*	
		For >5,000, Deduct	*-988.01*	
33 01 30 72-0275	LF	36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,021.10	
		For Vinlyester Resin, Add	*3,352.28*	
		For Epoxy Resin, Add	*395.09*	
		For Up To >10, Add	*3,090.88*	
		For >10 To 25, Add	*1,777.57*	
		For >25 To 50, Add	*1,305.99*	
		For >50 To 100, Add	*652.99*	
		For >500 To 1,000, Deduct	*-256.86*	
		For >1,000 To 2,000, Deduct	*-388.19*	
		For >2,000 To 5,000, Deduct	*-632.71*	
		For >5,000, Deduct	*-1,050.65*	
33 01 30 72-0276	LF	36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,320.66	
		For Vinlyester Resin, Add	*3,552.25*	
		For Epoxy Resin, Add	*418.66*	
		For Up To >10, Add	*3,275.38*	
		For >10 To 25, Add	*1,883.71*	
		For >25 To 50, Add	*1,383.96*	
		For >50 To 100, Add	*691.98*	
		For >500 To 1,000, Deduct	*-272.18*	
		For >1,000 To 2,000, Deduct	*-411.35*	
		For >2,000 To 5,000, Deduct	*-670.46*	
		For >5,000, Deduct	*-1,113.34*	

33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0278	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,478.80	
		For Vinlyester Resin, Add	*990.26*	
		For Epoxy Resin, Add	*116.71*	
		For Up To >10, Add	*899.75*	
		For >10 To 25, Add	*514.02*	
		For >25 To 50, Add	*379.14*	
		For >50 To 100, Add	*189.57*	
		For >500 To 1,000, Deduct	*-75.54*	
		For >1,000 To 2,000, Deduct	*-114.12*	
		For >2,000 To 5,000, Deduct	*-185.79*	
		For >5,000, Deduct	*-308.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0279	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,789.85	
		For Vinlyester Resin, Add	*1,198.57*	
		For Epoxy Resin, Add	*141.26*	
		For Up To >10, Add	*1,088.95*	
		For >10 To 25, Add	*622.09*	
		For >25 To 50, Add	*458.86*	
		For >50 To 100, Add	*229.43*	
		For >500 To 1,000, Deduct	*-91.43*	
		For >1,000 To 2,000, Deduct	*-138.12*	
		For >2,000 To 5,000, Deduct	*-224.87*	
		For >5,000, Deduct	*-373.49*	
33 01 30 72-0280	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,100.90	
		For Vinlyester Resin, Add	*1,406.87*	
		For Epoxy Resin, Add	*165.81*	
		For Up To >10, Add	*1,278.15*	
		For >10 To 25, Add	*730.16*	
		For >25 To 50, Add	*538.58*	
		For >50 To 100, Add	*269.29*	
		For >500 To 1,000, Deduct	*-107.32*	
		For >1,000 To 2,000, Deduct	*-162.12*	
		For >2,000 To 5,000, Deduct	*-263.95*	
		For >5,000, Deduct	*-438.40*	
33 01 30 72-0281	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,411.95	
		For Vinlyester Resin, Add	*1,615.17*	
		For Epoxy Resin, Add	*190.36*	
		For Up To >10, Add	*1,467.38*	
		For >10 To 25, Add	*838.25*	
		For >25 To 50, Add	*618.32*	
		For >50 To 100, Add	*309.16*	
		For >500 To 1,000, Deduct	*-123.21*	
		For >1,000 To 2,000, Deduct	*-186.12*	
		For >2,000 To 5,000, Deduct	*-303.03*	
		For >5,000, Deduct	*-503.30*	
33 01 30 72-0282	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,723.00	
		For Vinlyester Resin, Add	*1,823.48*	
		For Epoxy Resin, Add	*214.91*	
		For Up To >10, Add	*1,656.58*	
		For >10 To 25, Add	*946.32*	
		For >25 To 50, Add	*698.04*	
		For >50 To 100, Add	*349.02*	
		For >500 To 1,000, Deduct	*-139.10*	
		For >1,000 To 2,000, Deduct	*-210.13*	
		For >2,000 To 5,000, Deduct	*-342.10*	
		For >5,000, Deduct	*-568.21*	
33 01 30 72-0283	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,034.05	
		For Vinlyester Resin, Add	*2,031.79*	
		For Epoxy Resin, Add	*239.46*	
		For Up To >10, Add	*1,845.78*	
		For >10 To 25, Add	*1,054.39*	
		For >25 To 50, Add	*777.76*	
		For >50 To 100, Add	*388.88*	
		For >500 To 1,000, Deduct	*-154.99*	
		For >1,000 To 2,000, Deduct	*-234.13*	
		For >2,000 To 5,000, Deduct	*-381.18*	
		For >5,000, Deduct	*-633.11*	
33 01 30 72-0284	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,352.40	
		For Vinlyester Resin, Add	*2,240.08*	
		For Epoxy Resin, Add	*264.01*	
		For Up To >10, Add	*2,056.90*	
		For >10 To 25, Add	*1,180.73*	
		For >25 To 50, Add	*868.44*	
		For >50 To 100, Add	*434.22*	
		For >500 To 1,000, Deduct	*-171.43*	
		For >1,000 To 2,000, Deduct	*-259.04*	
		For >2,000 To 5,000, Deduct	*-422.08*	
		For >5,000, Deduct	*-700.94*	
33 01 30 72-0285	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,664.14	
		For Vinlyester Resin, Add	*2,448.38*	
		For Epoxy Resin, Add	*288.56*	
		For Up To >10, Add	*2,248.20*	
		For >10 To 25, Add	*1,290.55*	
		For >25 To 50, Add	*949.21*	
		For >50 To 100, Add	*474.61*	
		For >500 To 1,000, Deduct	*-187.37*	
		For >1,000 To 2,000, Deduct	*-283.13*	
		For >2,000 To 5,000, Deduct	*-461.34*	
		For >5,000, Deduct	*-766.12*	
33 01 30 72-0286	LF	37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,973.51	
		For Vinlyester Resin, Add	*2,656.69*	
		For Epoxy Resin, Add	*313.11*	
		For Up To >10, Add	*2,432.36*	
		For >10 To 25, Add	*1,394.42*	
		For >25 To 50, Add	*1,026.41*	
		For >50 To 100, Add	*513.21*	
		For >500 To 1,000, Deduct	*-203.13*	
		For >1,000 To 2,000, Deduct	*-306.93*	
		For >2,000 To 5,000, Deduct	*-499.99*	
		For >5,000, Deduct	*-830.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0287	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,287.65	
		For Vinlyester Resin, Add	*2,865.00*	
		For Epoxy Resin, Add	*337.66*	
		For Up To >10, Add	*2,630.83*	
		For >10 To 25, Add	*1,510.21*	
		For >25 To 50, Add	*1,110.77*	
		For >50 To 100, Add	*555.39*	
		For >500 To 1,000, Deduct	*-219.25*	
		For >1,000 To 2,000, Deduct	*-331.31*	
		For >2,000 To 5,000, Deduct	*-539.84*	
		For >5,000, Deduct	*-896.49*	
33 01 30 72-0288	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,599.40	
		For Vinlyester Resin, Add	*3,073.30*	
		For Epoxy Resin, Add	*362.21*	
		For Up To >10, Add	*2,822.13*	
		For >10 To 25, Add	*1,620.03*	
		For >25 To 50, Add	*1,191.54*	
		For >50 To 100, Add	*595.77*	
		For >500 To 1,000, Deduct	*-235.19*	
		For >1,000 To 2,000, Deduct	*-355.40*	
		For >2,000 To 5,000, Deduct	*-579.09*	
		For >5,000, Deduct	*-961.67*	
33 01 30 72-0289	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,911.01	
		For Vinlyester Resin, Add	*3,281.60*	
		For Epoxy Resin, Add	*386.76*	
		For Up To >10, Add	*3,013.03*	
		For >10 To 25, Add	*1,729.53*	
		For >25 To 50, Add	*1,272.12*	
		For >50 To 100, Add	*636.06*	
		For >500 To 1,000, Deduct	*-251.13*	
		For >1,000 To 2,000, Deduct	*-379.48*	
		For >2,000 To 5,000, Deduct	*-618.31*	
		For >5,000, Deduct	*-1,026.80*	
33 01 30 72-0290	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,222.76	
		For Vinlyester Resin, Add	*3,489.91*	
		For Epoxy Resin, Add	*411.31*	
		For Up To >10, Add	*3,204.33*	
		For >10 To 25, Add	*1,839.35*	
		For >25 To 50, Add	*1,352.89*	
		For >50 To 100, Add	*676.44*	
		For >500 To 1,000, Deduct	*-267.07*	
		For >1,000 To 2,000, Deduct	*-403.57*	
		For >2,000 To 5,000, Deduct	*-657.56*	
		For >5,000, Deduct	*-1,091.99*	
33 01 30 72-0291	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,534.51	
		For Vinlyester Resin, Add	*3,698.21*	
		For Epoxy Resin, Add	*435.86*	
		For Up To >10, Add	*3,395.63*	
		For >10 To 25, Add	*1,949.17*	
		For >25 To 50, Add	*1,433.66*	
		For >50 To 100, Add	*716.83*	
		For >500 To 1,000, Deduct	*-283.01*	
		For >1,000 To 2,000, Deduct	*-427.66*	
		For >2,000 To 5,000, Deduct	*-696.82*	
		For >5,000, Deduct	*-1,157.17*	

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0293	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,856.83	
		For Vinlyester Resin, Add	*1,244.38*	
		For Epoxy Resin, Add	*146.66*	
		For Up To >10, Add	*1,126.29*	
		For >10 To 25, Add	*642.30*	
		For >25 To 50, Add	*474.26*	
		For >50 To 100, Add	*237.13*	
		For >500 To 1,000, Deduct	*-94.82*	
		For >1,000 To 2,000, Deduct	*-143.22*	
		For >2,000 To 5,000, Deduct	*-233.11*	
		For >5,000, Deduct	*-387.20*	
33 01 30 72-0294	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,180.07	
		For Vinlyester Resin, Add	*1,461.01*	
		For Epoxy Resin, Add	*172.19*	
		For Up To >10, Add	*1,322.31*	
		For >10 To 25, Add	*754.07*	
		For >25 To 50, Add	*556.80*	
		For >50 To 100, Add	*278.40*	
		For >500 To 1,000, Deduct	*-111.33*	
		For >1,000 To 2,000, Deduct	*-168.15*	
		For >2,000 To 5,000, Deduct	*-273.69*	
		For >5,000, Deduct	*-454.60*	
33 01 30 72-0295	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,503.30	
		For Vinlyester Resin, Add	*1,677.65*	
		For Epoxy Resin, Add	*197.72*	
		For Up To >10, Add	*1,518.30*	
		For >10 To 25, Add	*865.81*	
		For >25 To 50, Add	*639.32*	
		For >50 To 100, Add	*319.66*	
		For >500 To 1,000, Deduct	*-127.83*	
		For >1,000 To 2,000, Deduct	*-193.08*	
		For >2,000 To 5,000, Deduct	*-314.26*	
		For >5,000, Deduct	*-521.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0296	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,826.54	
		For Vinlyester Resin, Add	*1,894.28*	
		For Epoxy Resin, Add	*223.25*	
		For Up To >10, Add	*1,714.32*	
		For >10 To 25, Add	*977.58*	
		For >25 To 50, Add	*721.85*	
		For >50 To 100, Add	*360.93*	
		For >500 To 1,000, Deduct	*-144.34*	
		For >1,000 To 2,000, Deduct	*-218.01*	
		For >2,000 To 5,000, Deduct	*-354.84*	
		For >5,000, Deduct	*-589.39*	
33 01 30 72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,149.91	
		For Vinlyester Resin, Add	*2,110.92*	
		For Epoxy Resin, Add	*248.79*	
		For Up To >10, Add	*1,910.73*	
		For >10 To 25, Add	*1,089.68*	
		For >25 To 50, Add	*804.59*	
		For >50 To 100, Add	*402.29*	
		For >500 To 1,000, Deduct	*-160.85*	
		For >1,000 To 2,000, Deduct	*-242.96*	
		For >2,000 To 5,000, Deduct	*-395.45*	
		For >5,000, Deduct	*-656.84*	
33 01 30 72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,480.45	
		For Vinlyester Resin, Add	*2,327.56*	
		For Epoxy Resin, Add	*274.32*	
		For Up To >10, Add	*2,128.65*	
		For >10 To 25, Add	*1,219.70*	
		For >25 To 50, Add	*898.07*	
		For >50 To 100, Add	*449.04*	
		For >500 To 1,000, Deduct	*-177.91*	
		For >1,000 To 2,000, Deduct	*-268.80*	
		For >2,000 To 5,000, Deduct	*-437.85*	
		For >5,000, Deduct	*-727.16*	
33 01 30 72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,804.38	
		For Vinlyester Resin, Add	*2,544.19*	
		For Epoxy Resin, Add	*299.85*	
		For Up To >10, Add	*2,326.74*	
		For >10 To 25, Add	*1,333.19*	
		For >25 To 50, Add	*981.64*	
		For >50 To 100, Add	*490.82*	
		For >500 To 1,000, Deduct	*-194.46*	
		For >1,000 To 2,000, Deduct	*-293.82*	
		For >2,000 To 5,000, Deduct	*-478.60*	
		For >5,000, Deduct	*-794.84*	
33 01 30 72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,128.31	
		For Vinlyester Resin, Add	*2,760.83*	
		For Epoxy Resin, Add	*325.38*	
		For Up To >10, Add	*2,524.83*	
		For >10 To 25, Add	*1,446.69*	
		For >25 To 50, Add	*1,065.21*	
		For >50 To 100, Add	*532.61*	
		For >500 To 1,000, Deduct	*-211.02*	
		For >1,000 To 2,000, Deduct	*-318.84*	
		For >2,000 To 5,000, Deduct	*-519.35*	
		For >5,000, Deduct	*-862.52*	
33 01 30 72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,452.38	
		For Vinlyester Resin, Add	*2,977.46*	
		For Epoxy Resin, Add	*350.92*	
		For Up To >10, Add	*2,723.34*	
		For >10 To 25, Add	*1,560.53*	
		For >25 To 50, Add	*1,148.99*	
		For >50 To 100, Add	*574.50*	
		For >500 To 1,000, Deduct	*-227.59*	
		For >1,000 To 2,000, Deduct	*-343.87*	
		For >2,000 To 5,000, Deduct	*-560.14*	
		For >5,000, Deduct	*-930.25*	
33 01 30 72-0302	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,776.33	
		For Vinlyester Resin, Add	*3,194.10*	
		For Epoxy Resin, Add	*376.45*	
		For Up To >10, Add	*2,921.49*	
		For >10 To 25, Add	*1,674.08*	
		For >25 To 50, Add	*1,232.60*	
		For >50 To 100, Add	*616.30*	
		For >500 To 1,000, Deduct	*-244.15*	
		For >1,000 To 2,000, Deduct	*-368.89*	
		For >2,000 To 5,000, Deduct	*-600.89*	
		For >5,000, Deduct	*-997.93*	
33 01 30 72-0303	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,100.26	
		For Vinlyester Resin, Add	*3,410.74*	
		For Epoxy Resin, Add	*401.98*	
		For Up To >10, Add	*3,119.58*	
		For >10 To 25, Add	*1,787.57*	
		For >25 To 50, Add	*1,316.17*	
		For >50 To 100, Add	*658.08*	
		For >500 To 1,000, Deduct	*-260.71*	
		For >1,000 To 2,000, Deduct	*-393.91*	
		For >2,000 To 5,000, Deduct	*-641.64*	
		For >5,000, Deduct	*-1,065.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0304	LF	39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,424.19	
		For Vinlyester Resin, Add	*3,627.37*	
		For Epoxy Resin, Add	*427.51*	
		For Up To >10, Add	*3,317.67*	
		For >10 To 25, Add	*1,901.07*	
		For >25 To 50, Add	*1,399.74*	
		For >50 To 100, Add	*699.87*	
		For >500 To 1,000, Deduct	*-277.27*	
		For >1,000 To 2,000, Deduct	*-418.93*	
		For >2,000 To 5,000, Deduct	*-682.39*	
		For >5,000, Deduct	*-1,133.28*	
33 01 30 72-0305	LF	39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,748.13	
		For Vinlyester Resin, Add	*3,844.01*	
		For Epoxy Resin, Add	*453.04*	
		For Up To >10, Add	*3,515.79*	
		For >10 To 25, Add	*2,014.59*	
		For >25 To 50, Add	*1,483.32*	
		For >50 To 100, Add	*741.66*	
		For >500 To 1,000, Deduct	*-293.82*	
		For >1,000 To 2,000, Deduct	*-443.94*	
		For >2,000 To 5,000, Deduct	*-723.15*	
		For >5,000, Deduct	*-1,200.96*	
33 01 30 72-0306	LF	39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,072.07	
		For Vinlyester Resin, Add	*4,060.64*	
		For Epoxy Resin, Add	*478.58*	
		For Up To >10, Add	*3,713.91*	
		For >10 To 25, Add	*2,128.11*	
		For >25 To 50, Add	*1,566.91*	
		For >50 To 100, Add	*783.45*	
		For >500 To 1,000, Deduct	*-310.38*	
		For >1,000 To 2,000, Deduct	*-468.96*	
		For >2,000 To 5,000, Deduct	*-763.90*	
		For >5,000, Deduct	*-1,268.64*	
33 01 30 72-0307	LF	39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,396.00	
		For Vinlyester Resin, Add	*4,277.28*	
		For Epoxy Resin, Add	*504.11*	
		For Up To >10, Add	*3,912.00*	
		For >10 To 25, Add	*2,241.60*	
		For >25 To 50, Add	*1,650.48*	
		For >50 To 100, Add	*825.24*	
		For >500 To 1,000, Deduct	*-326.94*	
		For >1,000 To 2,000, Deduct	*-493.98*	
		For >2,000 To 5,000, Deduct	*-804.65*	
		For >5,000, Deduct	*-1,336.32*	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0309	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,258.87	
		For Vinlyester Resin, Add	*1,515.00*	
		For Epoxy Resin, Add	*178.55*	
		For Up To >10, Add	*1,365.91*	
		For >10 To 25, Add	*777.55*	
		For >25 To 50, Add	*574.74*	
		For >50 To 100, Add	*287.37*	
		For >500 To 1,000, Deduct	*-115.31*	
		For >1,000 To 2,000, Deduct	*-174.14*	
		For >2,000 To 5,000, Deduct	*-283.36*	
		For >5,000, Deduct	*-470.69*	
33 01 30 72-0310	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,594.28	
		For Vinlyester Resin, Add	*1,739.96*	
		For Epoxy Resin, Add	*205.07*	
		For Up To >10, Add	*1,568.72*	
		For >10 To 25, Add	*892.99*	
		For >25 To 50, Add	*660.08*	
		For >50 To 100, Add	*330.04*	
		For >500 To 1,000, Deduct	*-132.43*	
		For >1,000 To 2,000, Deduct	*-200.00*	
		For >2,000 To 5,000, Deduct	*-325.44*	
		For >5,000, Deduct	*-540.58*	
33 01 30 72-0311	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,929.70	
		For Vinlyester Resin, Add	*1,964.93*	
		For Epoxy Resin, Add	*231.58*	
		For Up To >10, Add	*1,771.50*	
		For >10 To 25, Add	*1,008.41*	
		For >25 To 50, Add	*745.40*	
		For >50 To 100, Add	*372.70*	
		For >500 To 1,000, Deduct	*-149.55*	
		For >1,000 To 2,000, Deduct	*-225.86*	
		For >2,000 To 5,000, Deduct	*-367.51*	
		For >5,000, Deduct	*-610.47*	
33 01 30 72-0312	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,265.12	
		For Vinlyester Resin, Add	*2,189.89*	
		For Epoxy Resin, Add	*258.09*	
		For Up To >10, Add	*1,974.31*	
		For >10 To 25, Add	*1,123.86*	
		For >25 To 50, Add	*830.73*	
		For >50 To 100, Add	*415.37*	
		For >500 To 1,000, Deduct	*-166.67*	
		For >1,000 To 2,000, Deduct	*-251.72*	
		For >2,000 To 5,000, Deduct	*-409.59*	
		For >5,000, Deduct	*-680.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,608.12	
		For Vinlyester Resin, Add	*2,414.87*	
		For Epoxy Resin, Add	*284.61*	
		For Up To >10, Add	*2,199.84*	
		For >10 To 25, Add	*1,258.23*	
		For >25 To 50, Add	*927.43*	
		For >50 To 100, Add	*463.71*	
		For >500 To 1,000, Deduct	*-184.36*	
		For >1,000 To 2,000, Deduct	*-278.52*	
		For >2,000 To 5,000, Deduct	*-453.55*	
		For >5,000, Deduct	*-753.29*	
33 01 30 72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,944.24	
		For Vinlyester Resin, Add	*2,639.83*	
		For Epoxy Resin, Add	*311.12*	
		For Up To >10, Add	*2,404.75*	
		For >10 To 25, Add	*1,375.42*	
		For >25 To 50, Add	*1,013.81*	
		For >50 To 100, Add	*506.91*	
		For >500 To 1,000, Deduct	*-201.54*	
		For >1,000 To 2,000, Deduct	*-304.47*	
		For >2,000 To 5,000, Deduct	*-495.81*	
		For >5,000, Deduct	*-823.46*	
33 01 30 72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,280.35	
		For Vinlyester Resin, Add	*2,864.80*	
		For Epoxy Resin, Add	*337.64*	
		For Up To >10, Add	*2,609.63*	
		For >10 To 25, Add	*1,492.59*	
		For >25 To 50, Add	*1,100.18*	
		For >50 To 100, Add	*550.09*	
		For >500 To 1,000, Deduct	*-218.71*	
		For >1,000 To 2,000, Deduct	*-330.42*	
		For >2,000 To 5,000, Deduct	*-538.05*	
		For >5,000, Deduct	*-893.63*	
33 01 30 72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,616.47	
		For Vinlyester Resin, Add	*3,089.77*	
		For Epoxy Resin, Add	*364.15*	
		For Up To >10, Add	*2,814.54*	
		For >10 To 25, Add	*1,609.79*	
		For >25 To 50, Add	*1,186.57*	
		For >50 To 100, Add	*593.29*	
		For >500 To 1,000, Deduct	*-235.89*	
		For >1,000 To 2,000, Deduct	*-356.36*	
		For >2,000 To 5,000, Deduct	*-580.30*	
		For >5,000, Deduct	*-963.80*	
33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,952.59	
		For Vinlyester Resin, Add	*3,314.74*	
		For Epoxy Resin, Add	*390.67*	
		For Up To >10, Add	*3,019.42*	
		For >10 To 25, Add	*1,726.96*	
		For >25 To 50, Add	*1,272.94*	
		For >50 To 100, Add	*636.47*	
		For >500 To 1,000, Deduct	*-253.06*	
		For >1,000 To 2,000, Deduct	*-382.31*	
		For >2,000 To 5,000, Deduct	*-622.55*	
		For >5,000, Deduct	*-1,033.97*	
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,288.71	
		For Vinlyester Resin, Add	*3,539.70*	
		For Epoxy Resin, Add	*417.18*	
		For Up To >10, Add	*3,224.33*	
		For >10 To 25, Add	*1,844.16*	
		For >25 To 50, Add	*1,359.33*	
		For >50 To 100, Add	*679.66*	
		For >500 To 1,000, Deduct	*-270.24*	
		For >1,000 To 2,000, Deduct	*-408.25*	
		For >2,000 To 5,000, Deduct	*-664.80*	
		For >5,000, Deduct	*-1,104.14*	
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,624.83	
		For Vinlyester Resin, Add	*3,764.67*	
		For Epoxy Resin, Add	*443.69*	
		For Up To >10, Add	*3,429.24*	
		For >10 To 25, Add	*1,961.35*	
		For >25 To 50, Add	*1,445.72*	
		For >50 To 100, Add	*722.86*	
		For >500 To 1,000, Deduct	*-287.41*	
		For >1,000 To 2,000, Deduct	*-434.20*	
		For >2,000 To 5,000, Deduct	*-707.05*	
		For >5,000, Deduct	*-1,174.31*	
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,960.94	
		For Vinlyester Resin, Add	*3,989.64*	
		For Epoxy Resin, Add	*470.21*	
		For Up To >10, Add	*3,634.12*	
		For >10 To 25, Add	*2,078.52*	
		For >25 To 50, Add	*1,532.09*	
		For >50 To 100, Add	*766.04*	
		For >500 To 1,000, Deduct	*-304.58*	
		For >1,000 To 2,000, Deduct	*-460.14*	
		For >2,000 To 5,000, Deduct	*-749.30*	
		For >5,000, Deduct	*-1,244.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,297.07	
		For Vinlyester Resin, Add	*4,214.61*	
		For Epoxy Resin, Add	*496.72*	
		For Up To >10, Add	*3,839.04*	
		For >10 To 25, Add	*2,195.72*	
		For >25 To 50, Add	*1,618.47*	
		For >50 To 100, Add	*809.24*	
		For >500 To 1,000, Deduct	*-321.76*	
		For >1,000 To 2,000, Deduct	*-486.09*	
		For >2,000 To 5,000, Deduct	*-791.55*	
		For >5,000, Deduct	*-1,314.65*	
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,633.18	
		For Vinlyester Resin, Add	*4,439.58*	
		For Epoxy Resin, Add	*523.24*	
		For Up To >10, Add	*4,043.92*	
		For >10 To 25, Add	*2,312.89*	
		For >25 To 50, Add	*1,704.85*	
		For >50 To 100, Add	*852.42*	
		For >500 To 1,000, Deduct	*-338.93*	
		For >1,000 To 2,000, Deduct	*-512.04*	
		For >2,000 To 5,000, Deduct	*-833.80*	
		For >5,000, Deduct	*-1,384.82*	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0324	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,684.88	
		For Vinlyester Resin, Add	*1,802.10*	
		For Epoxy Resin, Add	*212.39*	
		For Up To >10, Add	*1,618.57*	
		For >10 To 25, Add	*919.73*	
		For >25 To 50, Add	*680.56*	
		For >50 To 100, Add	*340.28*	
		For >500 To 1,000, Deduct	*-137.01*	
		For >1,000 To 2,000, Deduct	*-206.89*	
		For >2,000 To 5,000, Deduct	*-336.54*	
		For >5,000, Deduct	*-559.07*	
33 01 30 72-0325	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,032.49	
		For Vinlyester Resin, Add	*2,035.41*	
		For Epoxy Resin, Add	*239.89*	
		For Up To >10, Add	*1,828.15*	
		For >10 To 25, Add	*1,038.83*	
		For >25 To 50, Add	*768.69*	
		For >50 To 100, Add	*384.34*	
		For >500 To 1,000, Deduct	*-154.74*	
		For >1,000 To 2,000, Deduct	*-233.67*	
		For >2,000 To 5,000, Deduct	*-380.12*	
		For >5,000, Deduct	*-631.45*	
33 01 30 72-0326	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,380.09	
		For Vinlyester Resin, Add	*2,268.71*	
		For Epoxy Resin, Add	*267.38*	
		For Up To >10, Add	*2,037.75*	
		For >10 To 25, Add	*1,157.95*	
		For >25 To 50, Add	*856.82*	
		For >50 To 100, Add	*428.41*	
		For >500 To 1,000, Deduct	*-172.48*	
		For >1,000 To 2,000, Deduct	*-260.46*	
		For >2,000 To 5,000, Deduct	*-423.69*	
		For >5,000, Deduct	*-703.83*	
33 01 30 72-0327	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,735.41	
		For Vinlyester Resin, Add	*2,502.00*	
		For Epoxy Resin, Add	*294.88*	
		For Up To >10, Add	*2,270.51*	
		For >10 To 25, Add	*1,296.37*	
		For >25 To 50, Add	*956.54*	
		For >50 To 100, Add	*478.27*	
		For >500 To 1,000, Deduct	*-190.80*	
		For >1,000 To 2,000, Deduct	*-288.21*	
		For >2,000 To 5,000, Deduct	*-469.19*	
		For >5,000, Deduct	*-779.31*	
33 01 30 72-0328	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,083.71	
		For Vinlyester Resin, Add	*2,735.31*	
		For Epoxy Resin, Add	*322.38*	
		For Up To >10, Add	*2,482.18*	
		For >10 To 25, Add	*1,417.22*	
		For >25 To 50, Add	*1,045.71*	
		For >50 To 100, Add	*522.86*	
		For >500 To 1,000, Deduct	*-208.59*	
		For >1,000 To 2,000, Deduct	*-315.08*	
		For >2,000 To 5,000, Deduct	*-512.94*	
		For >5,000, Deduct	*-851.97*	
33 01 30 72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,432.02	
		For Vinlyester Resin, Add	*2,968.61*	
		For Epoxy Resin, Add	*349.87*	
		For Up To >10, Add	*2,693.89*	
		For >10 To 25, Add	*1,538.09*	
		For >25 To 50, Add	*1,134.90*	
		For >50 To 100, Add	*567.45*	
		For >500 To 1,000, Deduct	*-226.38*	
		For >1,000 To 2,000, Deduct	*-341.96*	
		For >2,000 To 5,000, Deduct	*-556.69*	
		For >5,000, Deduct	*-924.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,780.32	
		For Vinlyester Resin, Add	*3,201.91*	
		For Epoxy Resin, Add	*377.37*	
		For Up To >10, Add	*2,905.59*	
		For >10 To 25, Add	*1,658.96*	
		For >25 To 50, Add	*1,224.09*	
		For >50 To 100, Add	*612.04*	
		For >500 To 1,000, Deduct	*-244.17*	
		For >1,000 To 2,000, Deduct	*-368.83*	
		For >2,000 To 5,000, Deduct	*-600.44*	
		For >5,000, Deduct	*-997.30*	
33 01 30 72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,128.62	
		For Vinlyester Resin, Add	*3,435.21*	
		For Epoxy Resin, Add	*404.86*	
		For Up To >10, Add	*3,117.26*	
		For >10 To 25, Add	*1,779.81*	
		For >25 To 50, Add	*1,313.26*	
		For >50 To 100, Add	*656.63*	
		For >500 To 1,000, Deduct	*-261.96*	
		For >1,000 To 2,000, Deduct	*-395.71*	
		For >2,000 To 5,000, Deduct	*-644.19*	
		For >5,000, Deduct	*-1,069.96*	
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,476.92	
		For Vinlyester Resin, Add	*3,668.50*	
		For Epoxy Resin, Add	*432.36*	
		For Up To >10, Add	*3,328.96*	
		For >10 To 25, Add	*1,900.68*	
		For >25 To 50, Add	*1,402.44*	
		For >50 To 100, Add	*701.22*	
		For >500 To 1,000, Deduct	*-279.75*	
		For >1,000 To 2,000, Deduct	*-422.58*	
		For >2,000 To 5,000, Deduct	*-687.94*	
		For >5,000, Deduct	*-1,142.62*	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,825.22	
		For Vinlyester Resin, Add	*3,901.81*	
		For Epoxy Resin, Add	*459.86*	
		For Up To >10, Add	*3,540.64*	
		For >10 To 25, Add	*2,021.53*	
		For >25 To 50, Add	*1,491.62*	
		For >50 To 100, Add	*745.81*	
		For >500 To 1,000, Deduct	*-297.54*	
		For >1,000 To 2,000, Deduct	*-449.45*	
		For >2,000 To 5,000, Deduct	*-731.68*	
		For >5,000, Deduct	*-1,215.29*	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,173.54	
		For Vinlyester Resin, Add	*4,135.11*	
		For Epoxy Resin, Add	*487.35*	
		For Up To >10, Add	*3,752.37*	
		For >10 To 25, Add	*2,142.43*	
		For >25 To 50, Add	*1,580.82*	
		For >50 To 100, Add	*790.41*	
		For >500 To 1,000, Deduct	*-315.33*	
		For >1,000 To 2,000, Deduct	*-476.33*	
		For >2,000 To 5,000, Deduct	*-775.44*	
		For >5,000, Deduct	*-1,287.96*	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,521.83	
		For Vinlyester Resin, Add	*4,368.41*	
		For Epoxy Resin, Add	*514.85*	
		For Up To >10, Add	*3,964.04*	
		For >10 To 25, Add	*2,263.27*	
		For >25 To 50, Add	*1,669.99*	
		For >50 To 100, Add	*835.00*	
		For >500 To 1,000, Deduct	*-333.12*	
		For >1,000 To 2,000, Deduct	*-503.20*	
		For >2,000 To 5,000, Deduct	*-819.18*	
		For >5,000, Deduct	*-1,360.62*	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,870.14	
		For Vinlyester Resin, Add	*4,601.71*	
		For Epoxy Resin, Add	*542.34*	
		For Up To >10, Add	*4,175.75*	
		For >10 To 25, Add	*2,384.14*	
		For >25 To 50, Add	*1,759.18*	
		For >50 To 100, Add	*879.59*	
		For >500 To 1,000, Deduct	*-350.91*	
		For >1,000 To 2,000, Deduct	*-530.07*	
		For >2,000 To 5,000, Deduct	*-862.93*	
		For >5,000, Deduct	*-1,433.28*	

33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	578.52
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	625.42
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	664.52
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	703.60
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	742.69

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0008		Grout Lateral Service *(33 01 30 74-0001)*		
33 01 30 74-0009		Grout Lateral Service - Bladder *(33 01 30 74-0008)*		
33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	618.76	
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	710.04	
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	801.34	
33 01 30 74-0013		Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*		
33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application	673.70	
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application	728.64	
33 01 30 74-0016		Lateral T-Liner *(33 01 30 74-0001)*		
		Note: As manufactured by LMK.		
33 01 30 74-0017	EA	Up To 4" Lateral T-Liner	820.41	
33 01 30 74-0018	EA	6" Lateral T-Liner	919.74	
33 01 30 74-0019	EA	8" Lateral T-Liner	1,069.19	
33 01 30 74-0020		Lining Lateral Pipe *(33 01 30 74-0001)*		
33 01 30 74-0021		Lining Lateral Pipe *(33 01 30 74-0020)*		
33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP)	44.03	
		For 7.5mm, Add	*5.20*	
		For 9 mm, Add	*10.29*	
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP)	53.02	
		For 7.5mm, Add	*7.09*	
		For 9 mm, Add	*14.02*	
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP)	69.95	
		For 7.5mm, Add	*10.85*	
		For 9 mm, Add	*21.46*	
33 01 30 74-0025		Lining Manhole Drop *(33 01 30 74-0020)*		
33 01 30 74-0026	EA	Manhole Drop Section Lining	891.50	
33 01 30 79		**Fold-and-Form Pipe Lining** *(33 01 30)*		
33 01 30 79-0001		Form and Fold Relining Underground Pipelines *(33 01 30 79)*		
		Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002		Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion *(33 01 30 79-0001)*		
33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines	5,613.78	
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,245.52	
33 01 30 79-0005		Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*		
33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	38.68	
		For DR 26 Pipe Liner, Add	*6.66*	
		For Up To 75, Add	*23.38*	
		For >75 To 150, Add	*11.69*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 2,000, Deduct	*-1.80*	
		For >2,000, Deduct	*-3.61*	
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	49.16	
		For DR 26 Pipe Liner, Add	*9.05*	
		For DR 35 Pipe Liner, Deduct	*-4.53*	
		For Up To 75, Add	*26.68*	
		For >75 To 150, Add	*13.34*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.94*	
		For >2,000, Deduct	*-3.89*	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	50.90	
		For DR 26 Pipe Liner, Add	*9.22*	
		For DR 35 Pipe Liner, Deduct	*-4.61*	
		For Up To 75, Add	*28.42*	
		For >75 To 150, Add	*14.21*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-2.10*	
		For >2,000, Deduct	*-4.21*	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	70.61	
		For DR 26 Pipe Liner, Add	*13.83*	
		For DR 35 Pipe Liner, Deduct	*-6.91*	
		For DR 41 Pipe Liner, Deduct	*-13.83*	
		For Up To 75, Add	*34.03*	
		For >75 To 150, Add	*17.01*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000 To 2,000, Deduct	*-2.30*	
		For >2,000, Deduct	*-4.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	97.79	
		For DR 26 Pipe Liner, Add	*20.24*	
		For DR 35 Pipe Liner, Deduct	*-10.12*	
		For DR 41 Pipe Liner, Deduct	*-20.24*	
		For Up To 75, Add	*41.46*	
		For >75 To 150, Add	*20.73*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-2.53*	
		For >2,000, Deduct	*-5.06*	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	133.09	
		For DR 35 Pipe Liner, Deduct	*-14.24*	
		For DR 41 Pipe Liner, Deduct	*-28.49*	
		For Up To 75, Add	*51.50*	
		For >75 To 150, Add	*25.75*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000 To 2,000, Deduct	*-2.87*	
		For >2,000, Deduct	*-5.74*	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	186.83	
		For DR 41 Pipe Liner, Deduct	*-16.52*	
		For DR 50 Pipe Liner, Deduct	*-33.05*	
		For Up To 75, Add	*65.45*	
		For >75 To 150, Add	*32.72*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000 To 2,000, Deduct	*-3.24*	
		For >2,000, Deduct	*-6.48*	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	211.08	
		For DR 50 Pipe Liner, Deduct	*-28.15*	
		For DR 55 Pipe Liner, Deduct	*-46.92*	
		For Up To 75, Add	*72.62*	
		For >75 To 150, Add	*36.31*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000 To 2,000, Deduct	*-3.51*	
		For >2,000, Deduct	*-7.02*	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	256.78	
		For DR 60 Pipe Liner, Deduct	*-34.69*	
		For Up To 75, Add	*84.53*	
		For >75 To 150, Add	*42.27*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000 To 2,000, Deduct	*-3.83*	
		For >2,000, Deduct	*-7.66*	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	41.19	
		For Up To 75, Add	*23.88*	
		For >75 To 150, Add	*11.94*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 2,000, Deduct	*-1.80*	
		For >2,000, Deduct	*-3.61*	
		For DR 26 Pipe Liner, Add	*7.29*	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	49.16	
		For Up To 75, Add	*26.68*	
		For >75 To 150, Add	*13.34*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.94*	
		For >2,000, Deduct	*-3.89*	
		For DR 26 Pipe Liner, Add	*9.05*	
		For DR 35 Pipe Liner, Deduct	*-4.53*	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	54.25	
		For Up To 75, Add	*29.09*	
		For >75 To 150, Add	*14.54*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-2.10*	
		For >2,000, Deduct	*-4.21*	
		For DR 26 Pipe Liner, Add	*10.06*	
		For DR 35 Pipe Liner, Deduct	*-5.03*	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	75.64	
		For Up To 75, Add	*35.03*	
		For >75 To 150, Add	*17.52*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000 To 2,000, Deduct	*-2.30*	
		For >2,000, Deduct	*-4.59*	
		For DR 26 Pipe Liner, Add	*15.08*	
		For DR 35 Pipe Liner, Deduct	*-7.54*	
		For DR 41 Pipe Liner, Deduct	*-15.08*	
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	105.33	
		For Up To 75, Add	*42.97*	
		For >75 To 150, Add	*21.49*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-2.53*	
		For >2,000, Deduct	*-5.06*	
		For DR 26 Pipe Liner, Add	*22.12*	
		For DR 35 Pipe Liner, Deduct	*-11.06*	
		For DR 41 Pipe Liner, Deduct	*-22.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	143.82	
		For Up To 75, Add	*53.65*	
		For >75 To 150, Add	*26.82*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000 To 2,000, Deduct	*-2.87*	
		For >2,000, Deduct	*-5.74*	
		For DR 35 Pipe Liner, Deduct	*-15.59*	
		For DR 41 Pipe Liner, Deduct	*-31.17*	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	202.59	
		For Up To 75, Add	*68.60*	
		For >75 To 150, Add	*34.30*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000 To 2,000, Deduct	*-3.24*	
		For >2,000, Deduct	*-6.48*	
		For DR 41 Pipe Liner, Deduct	*-18.10*	
		For DR 50 Pipe Liner, Deduct	*-36.20*	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	228.51	
		For Up To 75, Add	*76.11*	
		For >75 To 150, Add	*38.05*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000 To 2,000, Deduct	*-3.51*	
		For >2,000, Deduct	*-7.02*	
		For DR 50 Pipe Liner, Deduct	*-30.77*	
		For DR 55 Pipe Liner, Deduct	*-51.28*	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	278.90	
		For Up To 75, Add	*88.96*	
		For >75 To 150, Add	*44.48*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000 To 2,000, Deduct	*-3.83*	
		For >2,000, Deduct	*-7.66*	
		For DR 60 Pipe Liner, Deduct	*-38.01*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*

Note: Work is in confined spaces.

33 01 30 81-0002 Inspection And Ventilation System Set-up *(33 01 30 81-0001)*

33 01 30 81-0003	EA	Inspect Manhole	203.12
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	15,345.46
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains	21,749.99

33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*

Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal	593.86
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal	625.95
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal	642.00
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal	738.29
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal	834.61
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal	930.90
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal	1,123.50

33 01 30 81-0015 External Manhole Encapsulation *(33 01 30 81-0006)*

Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation	866.71
33 01 30 81-0017	EA	30" External Manhole Encapsulation	914.85
33 01 30 81-0018	EA	36" External Manhole Encapsulation	979.05
33 01 30 81-0019	EA	42" External Manhole Encapsulation	1,059.30
33 01 30 81-0020	EA	48" External Manhole Encapsulation	1,171.65
33 01 30 81-0021	EA	54" External Manhole Encapsulation	1,300.05
33 01 30 81-0022	EA	60" External Manhole Encapsulation	1,460.55

33 01 30 81-0023 Manhole Crack Repair *(33 01 30 81-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	59.05
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	79.54
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	55.45
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	75.23

33 01 30 81-0028 Manhole Patching *(33 01 30 81-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	19.18
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	43.14

33 01 30 81-0031 Manhole Joint Restoration *(33 01 30 81-0001)*

Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,492.07
		For Grouting Each Additional Manhole Joint Section, Add	*241.68*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,909.18	
		For Grouting Each Additional Manhole Joint Section, Add	*269.47*	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	3,322.76	
		For Grouting Each Additional Manhole Joint Section, Add	*297.25*	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	3,946.86	
		For Grouting Each Additional Manhole Joint Section, Add	*311.14*	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	4,569.19	
		For Grouting Each Additional Manhole Joint Section, Add	*325.03*	
33 01 30 81-0037		**Manhole Penetration Sealing** *(33 01 30 81-0001)* Note: At new pipe connection to manhole.		
33 01 30 81-0038	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole	447.03	
33 01 30 81-0039	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole	693.80	
33 01 30 81-0040	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole	956.06	
33 01 30 81-0041		**Step Installation In Existing Manholes** *(33 01 30 81-0001)* Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0042	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	141.06	23.60
33 01 30 81-0043	EA	Drill And Grout Galvanized Steel Manhole Step	121.49	23.60
33 01 30 81-0044	EA	Bolt On Galvanized Steel Manhole Step	143.44	23.60
33 01 30 81-0045	EA	Drill And Grout Aluminum Manhole Step	149.11	23.60
33 01 30 81-0046	EA	Drill And Insert Polypropylene Manhole Step	73.21	18.88
33 01 30 81-0047		**Invert Restoration** *(33 01 30 81-0001)* Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0048		**Concrete Invert Restoration** *(33 01 30 81-0047)*		
33 01 30 81-0049	EA	2' Diameter, Concrete Invert Restoration	398.44	
33 01 30 81-0050	EA	3' Diameter, Concrete Invert Restoration	449.22	
33 01 30 81-0051	EA	4' Diameter, Concrete Invert Restoration	500.00	
33 01 30 81-0052	EA	5' Diameter, Concrete Invert Restoration	550.78	
33 01 30 81-0053	EA	6' Diameter, Concrete Invert Restoration	703.13	
33 01 30 81-0054	SF	Square Or Rectangular, Concrete Invert Restoration	39.76	
33 01 30 81-0055		**Brick Invert Restoration** *(33 01 30 81-0047)*		
33 01 30 81-0056	EA	2' Diameter, Brick Invert Restoration	661.30	
33 01 30 81-0057	EA	3' Diameter, Brick Invert Restoration	712.08	
33 01 30 81-0058	EA	4' Diameter, Brick Invert Restoration	762.86	
33 01 30 81-0059	EA	5' Diameter, Brick Invert Restoration	813.64	
33 01 30 81-0060	EA	6' Diameter, Brick Invert Restoration	864.42	
33 01 30 81-0061	SF	Square Or Rectangular, Brick Invert Restoration	55.94	
33 01 30 81-0062		**Repair In-Kind Of Drainage Structures** *(33 01 30 81)* Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0063	VLF	2' Diameter, Repair In-Kind Drainage Structure	853.50	
33 01 30 81-0064	VLF	3' Diameter, Repair In-Kind Drainage Structure	1,280.25	
33 01 30 81-0065	VLF	4' Diameter, Repair In-Kind Drainage Structure	1,707.12	
33 01 30 81-0066	VLF	5' Diameter, Repair In-Kind Drainage Structure	2,133.75	
33 01 30 81-0067	VLF	6' Diameter, Repair In-Kind Drainage Structure	2,560.51	
33 01 30 81-0068	VLF	2' x 2', Repair In-Kind Drainage Structure	1,087.26	
33 01 30 81-0069	VLF	2' x 3', Repair In-Kind Drainage Structure	1,359.08	
33 01 30 81-0070	VLF	2' x 4', Repair In-Kind Drainage Structure	1,630.90	
33 01 30 81-0071	VLF	3' x 4', Repair In-Kind Drainage Structure	1,902.71	
33 01 30 81-0072	VLF	4' x 4', Repair In-Kind Drainage Structure	2,174.53	
33 01 30 81-0073	VLF	4' x 5', Repair In-Kind Drainage Structure	2,446.35	
33 01 30 81-0074	VLF	4' x 6', Repair In-Kind Drainage Structure	2,718.16	
33 01 30 81-0075	VLF	4' x 8', Repair In-Kind Drainage Structure	3,261.79	
33 01 30 81-0076	VLF	>32 GSF, Repair In-Kind Drainage Structure	3,805.43	
33 01 30 82		**Epoxy Lining for Concrete Manholes** *(33 01 30)*		
33 01 30 82-0001		**Epoxy Manhole Restoration, Interior** *(33 01 30 82)*		
33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	375.79	
		For 80 Mil Material, Add	*44.53*	
		For 100 Mil Material, Add	*89.05*	
		For 125 Mil Material, Add	*138.85*	
		For 150 Mil Material, Add	*188.65*	
		For 200 Mil Material, Add	*272.62*	
		For 2 To 5 Manholes, Deduct	*-26.60*	
		For 6 To 10 Manholes, Deduct	*-43.81*	
		For >10 Manholes, Deduct	*-87.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	455.86	
		For 80 Mil Material, Add	*53.27*	
		For 100 Mil Material, Add	*106.54*	
		For 125 Mil Material, Add	*165.97*	
		For 150 Mil Material, Add	*225.40*	
		For 200 Mil Material, Add	*325.16*	
		For 2 To 5 Manholes, Deduct	*-32.34*	
		For 6 To 10 Manholes, Deduct	*-53.29*	
		For >10 Manholes, Deduct	*-106.58*	
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	501.05	
		For 80 Mil Material, Add	*59.37*	
		For 100 Mil Material, Add	*118.73*	
		For 125 Mil Material, Add	*185.13*	
		For 150 Mil Material, Add	*251.52*	
		For 200 Mil Material, Add	*363.48*	
		For 2 To 5 Manholes, Deduct	*-35.47*	
		For 6 To 10 Manholes, Deduct	*-58.41*	
		For >10 Manholes, Deduct	*-116.83*	
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	626.39	
		For 80 Mil Material, Add	*74.23*	
		For 100 Mil Material, Add	*148.47*	
		For 125 Mil Material, Add	*231.49*	
		For 150 Mil Material, Add	*314.52*	
		For 200 Mil Material, Add	*454.52*	
		For 2 To 5 Manholes, Deduct	*-44.34*	
		For 6 To 10 Manholes, Deduct	*-73.02*	
		For >10 Manholes, Deduct	*-146.05*	
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	751.65	
		For 80 Mil Material, Add	*89.07*	
		For 100 Mil Material, Add	*178.15*	
		For 125 Mil Material, Add	*277.77*	
		For 150 Mil Material, Add	*377.39*	
		For 200 Mil Material, Add	*545.38*	
		For 2 To 5 Manholes, Deduct	*-53.21*	
		For 6 To 10 Manholes, Deduct	*-87.63*	
		For >10 Manholes, Deduct	*-175.25*	

33 01 30 83 Lining for Concrete Manholes *(33 01 30)*

33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	160.48	
		For Each Additional 1/2" Thick Material, Add	*38.86*	
		For 2 To 5 Manholes, Deduct	*-11.32*	
		For 6 To 10 Manholes, Deduct	*-18.63*	
		For >10 Manholes, Deduct	*-37.27*	
33 01 30 83-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	186.07	
		For Each Additional 1/2" Thick Material, Add	*45.23*	
		For 2 To 5 Manholes, Deduct	*-13.12*	
		For 6 To 10 Manholes, Deduct	*-21.59*	
		For >10 Manholes, Deduct	*-43.19*	
33 01 30 83-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	211.66	
		For Each Additional 1/2" Thick Material, Add	*51.59*	
		For 2 To 5 Manholes, Deduct	*-14.92*	
		For 6 To 10 Manholes, Deduct	*-24.56*	
		For >10 Manholes, Deduct	*-49.11*	
33 01 30 83-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	249.18	
		For Each Additional 1/2" Thick Material, Add	*63.13*	
		For 2 To 5 Manholes, Deduct	*-17.49*	
		For 6 To 10 Manholes, Deduct	*-28.76*	
		For >10 Manholes, Deduct	*-57.52*	
33 01 30 83-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	272.35	
		For Each Additional 1/2" Thick Material, Add	*72.88*	
		For 2 To 5 Manholes, Deduct	*-19.00*	
		For 6 To 10 Manholes, Deduct	*-31.19*	
		For >10 Manholes, Deduct	*-62.38*	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	334.62	
		For 80 Mil Material, Add	*30.80*	
		For 100 Mil Material, Add	*61.61*	
		For 125 Mil Material, Add	*94.25*	
		For 150 Mil Material, Add	*126.89*	
		For 200 Mil Material, Add	*176.56*	
		For 2 To 5 Manholes, Deduct	*-24.54*	
		For 6 To 10 Manholes, Deduct	*-40.72*	
		For >10 Manholes, Deduct	*-81.45*	
33 01 30 83-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	407.76	
		For 80 Mil Material, Add	*37.24*	
		For 100 Mil Material, Add	*74.48*	
		For 125 Mil Material, Add	*113.87*	
		For 150 Mil Material, Add	*153.25*	
		For 200 Mil Material, Add	*212.93*	
		For 2 To 5 Manholes, Deduct	*-29.94*	
		For 6 To 10 Manholes, Deduct	*-49.68*	
		For >10 Manholes, Deduct	*-99.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	446.16	
		For 80 Mil Material, Add	*41.07*	
		For 100 Mil Material, Add	*82.14*	
		For 125 Mil Material, Add	*125.66*	
		For 150 Mil Material, Add	*169.19*	
		For 200 Mil Material, Add	*235.40*	
		For 2 To 5 Manholes, Deduct	*-32.73*	
		For 6 To 10 Manholes, Deduct	*-54.30*	
		For >10 Manholes, Deduct	*-108.60*	
33 01 30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	557.70	
		For 80 Mil Material, Add	*51.34*	
		For 100 Mil Material, Add	*102.67*	
		For 125 Mil Material, Add	*157.08*	
		For 150 Mil Material, Add	*211.48*	
		For 200 Mil Material, Add	*294.25*	
		For 2 To 5 Manholes, Deduct	*-40.91*	
		For 6 To 10 Manholes, Deduct	*-67.87*	
		For >10 Manholes, Deduct	*-135.74*	
33 01 30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	669.24	
		For 80 Mil Material, Add	*61.60*	
		For 100 Mil Material, Add	*123.21*	
		For 125 Mil Material, Add	*188.49*	
		For 150 Mil Material, Add	*253.78*	
		For 200 Mil Material, Add	*353.09*	
		For 2 To 5 Manholes, Deduct	*-49.09*	
		For 6 To 10 Manholes, Deduct	*-81.45*	
		For >10 Manholes, Deduct	*-162.89*	

33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0015	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	586.03	
		For 2 To 5 Manholes, Deduct	*-34.04*	
		For 6 To 10 Manholes, Deduct	*-53.43*	
		For >10 Manholes, Deduct	*-106.85*	
33 01 30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	717.69	
		For 2 To 5 Manholes, Deduct	*-41.67*	
		For 6 To 10 Manholes, Deduct	*-65.41*	
		For >10 Manholes, Deduct	*-130.81*	
33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	845.85	
		For 2 To 5 Manholes, Deduct	*-48.61*	
		For 6 To 10 Manholes, Deduct	*-76.07*	
		For >10 Manholes, Deduct	*-152.14*	
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,060.75	
		For 2 To 5 Manholes, Deduct	*-60.93*	
		For 6 To 10 Manholes, Deduct	*-95.34*	
		For >10 Manholes, Deduct	*-190.69*	
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,275.67	
		For 2 To 5 Manholes, Deduct	*-73.26*	
		For 6 To 10 Manholes, Deduct	*-114.62*	
		For >10 Manholes, Deduct	*-229.24*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*

Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for sawcutting pavemet if required, 32 12 16 13-0022 for hand placed hot mix asphalt.

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	562.51	
		For Lowering Manhole Rim, Add	*95.56*	
		Note: Includes digging under manhole rim		
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	627.34	
		For Lowering Manhole Rim, Add	*101.60*	
		Note: Includes digging under manhole rim		
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	687.13	
		For Lowering Manhole Rim, Add	*108.02*	
		Note: Includes digging under manhole rim		
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	754.26	
		For Lowering Manhole Rim, Add	*114.82*	
		Note: Includes digging under manhole rim		
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	811.27	
		For Lowering Manhole Rim, Add	*122.38*	
		Note: Includes digging under manhole rim		

33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser *(33 01 30 86-0001)*

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	661.13	
		For Lowering Manhole Rim, Add	*100.47*	
		Note: Includes digging under manhole rim		
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	717.81	
		For Lowering Manhole Rim, Add	*106.89*	
		Note: Includes digging under manhole rim		
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	788.04	
		For Lowering Manhole Rim, Add	*113.69*	
		Note: Includes digging under manhole rim		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0012		EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	857.45	
			For Lowering Manhole Rim, Add	*121.24*	
			Note: Includes digging under manhole rim		
33 01 30 86-0013		EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	923.78	
			For Lowering Manhole Rim, Add	*128.80*	
			Note: Includes digging under manhole rim		
33 01 30 86-0014			Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers *(33 01 30 86-0001)*		
33 01 30 86-0015		EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	768.41	
			For Lowering Manhole Rim, Add	*125.02*	
			Note: Includes digging under manhole rim		
33 01 30 86-0016		EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	811.07	
			For Lowering Manhole Rim, Add	*131.06*	
			Note: Includes digging under manhole rim		
33 01 30 86-0017		EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	858.31	
			For Lowering Manhole Rim, Add	*138.62*	
			Note: Includes digging under manhole rim		
33 01 30 86-0018			>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers *(33 01 30 86-0001)*		
33 01 30 86-0019		EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	928.75	
33 01 30 86-0020		EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,006.99	
33 01 30 86-0021		EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,086.38	
33 01 30 86-0022		EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,152.54	
33 01 30 86-0023		EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,248.91	
33 01 30 86-0024		EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,337.12	
33 01 30 86-0025		EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,425.65	
33 01 30 86-0026		EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,516.49	
33 01 30 86-0027			>12" Rise, Solid Manhole Risers *(33 01 30 86)*		
33 01 30 86-0028			Precast Concrete Manhole Riser *(33 01 30 86-0027)*		
33 01 30 86-0029		VLF	Up To 26" Diameter Precast Concrete Manhole Riser	117.26	
33 01 30 86-0030		VLF	>26" To 36" Diameter Precast Concrete Manhole Riser	140.19	
33 01 30 86-0031		VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	195.99	
33 01 30 86-0032		VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	400.21	
33 01 30 86-0033		VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	586.14	

33 01 30 89 By-Pass Piping and Pumping of Water and Sewer Utilities *(33 01 30)*

33 01 30 89-0001			Set-Up By-Pass Pumping Unit *(33 01 30 89)* Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1071 for pump rental, 01 22 23 00-1104 for suction hose, 01 22 23 00-1123 for discharge hose.		
33 01 30 89-0002		EA	Set-up By-Pass Pumping Unit	2,110.82	
33 01 30 89-0003		EA	Re-Set Up/Move By-Pass Pumping Unit	1,055.41	
33 01 30 89-0004			By-Pass Pumping *(33 01 30 89)* Note: Excludes pump rental. See CSI section 01 22 23 00-1071 for pump rental.		
33 01 30 89-0005		DAY	Maintain And Operate By-Pass Pumping Unit	527.71	
33 01 30 89-0006		WK	Maintain And Operate By-Pass Pumping Unit	2,638.53	
33 01 30 89-0007		MO	Maintain And Operate By-Pass Pumping Unit	11,081.81	
33 01 30 89-0008			Temporary Bypass And Service Lines *(33 01 30 89)* Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 89-0009			Temporary Water Service Lines *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connection to building water service, and chlorination prior to each use. Remove after use.		
33 01 30 89-0010		LF	1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	3.23	
33 01 30 89-0011		LF	3/4" Temporary Service Hose With Fittings Note: Includes removal after use.	4.10	
33 01 30 89-0012		LF	1" Temporary Service Hose With Fittings Note: Includes removal after use.	4.75	
33 01 30 89-0013		LF	1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	5.67	
33 01 30 89-0014		LF	2" Temporary Service Hose With Fittings Note: Includes removal after use.	6.95	
33 01 30 89-0015		EA	Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.	358.32	
33 01 30 89-0016			Temporary Bypass Water Main Lines *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connections to mains and chlorination prior to each use. Remove after use.		
33 01 30 89-0017		LF	2" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	7.41	
			For >500 To 1,000, Deduct	*-0.50*	
			For >1,000 To 5,000, Deduct	*-0.99*	
			For >5,000, Deduct	*-1.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 89-0018	LF	4" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	12.03	
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000 To 5,000, Deduct	*-1.28*	
		For >5,000, Deduct	*-2.14*	
33 01 30 89-0019	LF	6" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	17.15	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 5,000, Deduct	*-1.49*	
		For >5,000, Deduct	*-2.49*	
33 01 30 89-0020	LF	8" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	21.66	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 5,000, Deduct	*-1.79*	
		For >5,000, Deduct	*-2.99*	

33 01 30 89-0021 Piping Protection For Temporary Water Line *(33 01 30 89-0008)*

33 01 30 89-0022	LF	Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	3.44	

33 01 30 89-0023 Drill Meter Cover For Temporary Water Line *(33 01 30 89-0008)*

33 01 30 89-0024	EA	Drill Meter Cover For Temporary Bypass Pipe	17.95	

33 01 30 89-0025 Temporary By-Pass Plug *(33 01 30 89)*

33 01 30 89-0026	EA	8" To 16" Temporary By-Pass Plug	866.15	
33 01 30 89-0027	EA	12" To 24" Temporary By-Pass Plug	1,356.86	
33 01 30 89-0028	EA	15" To 30" Temporary By-Pass Plug	2,219.20	
33 01 30 89-0029	EA	20" To 40" Temporary By-Pass Plug	2,724.89	
33 01 30 89-0030	EA	24" To 28" Temporary By-Pass Plug	3,654.43	

33 01 40 Operation and Maintenance of Stormwater Utilities *(33 01)*

33 01 40 00-0001 Solid Wall High-Density Polyethylene (HDPE) Culvert Slip-Lining System *(33 01 40)*

Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0024 for culvert cleaning, 33 01 40 00-0040 for flowable fill grout.

33 01 40 00-0002	LF	6.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	37.70	
		For Profile Wall (Corrugated), Deduct	*-6.43*	
33 01 40 00-0003	LF	8.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	57.30	
		For Profile Wall (Corrugated), Deduct	*-10.06*	
33 01 40 00-0004	LF	10.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	52.77	
		For Profile Wall (Corrugated), Deduct	*-8.93*	
33 01 40 00-0005	LF	12.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	70.20	
		For Profile Wall (Corrugated), Deduct	*-12.06*	
33 01 40 00-0006	LF	14" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	79.76	
		For Profile Wall (Corrugated), Deduct	*-13.51*	
33 01 40 00-0007	LF	16" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	97.16	
		For Profile Wall (Corrugated), Deduct	*-16.83*	
33 01 40 00-0008	LF	18" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	122.18	
		For Profile Wall (Corrugated), Deduct	*-21.18*	
33 01 40 00-0009	LF	20" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	150.71	
		For Profile Wall (Corrugated), Deduct	*-26.42*	
33 01 40 00-0010	LF	22" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	174.16	
		For Profile Wall (Corrugated), Deduct	*-30.65*	
33 01 40 00-0011	LF	24" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	199.71	
		For Profile Wall (Corrugated), Deduct	*-35.29*	
33 01 40 00-0012	LF	26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	228.51	
		For Profile Wall (Corrugated), Deduct	*-40.59*	
33 01 40 00-0013	LF	28" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	258.34	
		For Profile Wall (Corrugated), Deduct	*-46.09*	
33 01 40 00-0014	LF	30" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	300.47	
		For Profile Wall (Corrugated), Deduct	*-54.05*	
33 01 40 00-0015	LF	32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	344.71	
		For Profile Wall (Corrugated), Deduct	*-62.43*	
33 01 40 00-0016	LF	34" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	381.66	
		For Profile Wall (Corrugated), Deduct	*-69.36*	
33 01 40 00-0017	LF	36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	418.60	
		For Profile Wall (Corrugated), Deduct	*-76.28*	
33 01 40 00-0018	LF	39.37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	480.27	
		For Profile Wall (Corrugated), Deduct	*-88.15*	
33 01 40 00-0019	LF	42" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	541.93	
		For Profile Wall (Corrugated), Deduct	*-100.02*	
33 01 40 00-0020	LF	48" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	702.91	
		For Profile Wall (Corrugated), Deduct	*-131.75*	
33 01 40 00-0021	LF	54" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	861.79	
		For Profile Wall (Corrugated), Deduct	*-163.06*	
33 01 40 00-0022	LF	57" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	956.39	
		For Profile Wall (Corrugated), Deduct	*-181.51*	
33 01 40 00-0023	LF	60" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,050.08	
		For Profile Wall (Corrugated), Deduct	*-199.79*	
33 01 40 00-0024	LF	63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,145.60	
		For Profile Wall (Corrugated), Deduct	*-218.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 40 00-0025	LF	16.5 x 23" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	201.50	
		For Profile Wall (Corrugated), Deduct	*-35.60*	
33 01 40 00-0026	LF	17" x 26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	224.94	
		For Profile Wall (Corrugated), Deduct	*-39.42*	
33 01 40 00-0027	LF	18" x 29" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	248.37	
33 01 40 00-0028	LF	19" x 32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	287.24	
		For Profile Wall (Corrugated), Deduct	*-50.65*	
33 01 40 00-0029	LF	21" x 33.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	315.22	
		For Profile Wall (Corrugated), Deduct	*-55.62*	
33 01 40 00-0030	LF	22.5 x 36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	354.31	
		For Profile Wall (Corrugated), Deduct	*-62.82*	
33 01 40 00-0031	LF	26" x 37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	395.62	
		For Profile Wall (Corrugated), Deduct	*-70.47*	
33 01 40 00-0032	LF	30" x 41" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	475.30	
		For Profile Wall (Corrugated), Deduct	*-85.17*	
33 01 40 00-0033	LF	31" x 46" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	535.41	
33 01 40 00-0034	LF	34" x 48.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	594.43	
		For Profile Wall (Corrugated), Deduct	*-107.76*	
33 01 40 00-0035	LF	39" x 55.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	741.06	
		For Profile Wall (Corrugated), Deduct	*-136.46*	
33 01 40 00-0036	LF	43" x 63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	894.17	
		For Profile Wall (Corrugated), Deduct	*-166.47*	
33 01 40 00-0037	LF	48" x 75" Outside Daimeter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,152.99	
		For Profile Wall (Corrugated), Deduct	*-218.23*	
33 01 40 00-0038	LF	52" x 72.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,162.26	
		For Profile Wall (Corrugated), Deduct	*-218.23*	
33 01 40 00-0039	LF	58" x 67.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,162.26	
		For Profile Wall (Corrugated), Deduct	*-218.23*	

33 01 40 00-0040 Pumped Grouting For Slip-Lining Systems *(33 01 40)*

Note: Includes all materials, embedded piping, forms, labor and pumping equipment necessary to place and install grout.

33 01 40 00-0041	CY	Flowable Fill Grout, For Pipe Relines	640.57

33 01 60 Operation and Maintenance of Hydronic and Steam Energy Utilities *(33 01)*

33 01 60 00-0001 Remove Steel Pipe Coatings *(33 01 60)*

Note: Excludes sand blasting. See CSI section 09 01 90 52-0016 for sand blasting.

33 01 60 00-0002	SF	Removal Of Coating From Steel Pipe	3.44
		For Work In Restricted Working Space, Add	*1.03*
		For PPE And Bagging Removed Coating (Includes Respirator And Disposable Suit), Add	*1.72*

33 01 70 Operation and Maintenance of Electrical Utilities *(33 01)*

33 01 70 51 Electrical Utility Visual Inspection *(33 01 70)*

33 01 70 51-0001 Video Camera Inspection Of Gas Piping and Electrical Duct *(33 01 70 51)*

33 01 70 51-0002 Video Camera Set-up *(33 01 70 51-0001)*

33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct	288.01
33 01 70 51-0004	EA	>12" To 48" Diameter, Initial Set Up For Video Inspection, Gas Pipe	324.01
33 01 70 51-0005	EA	Up To 12" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct	72.00
33 01 70 51-0006	EA	>12" To 48" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe	108.01

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct *(33 01 70 51-0001)*

33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.11
		For >1,000 To 5,000, Deduct	*-0.06*
		For >5,000, Deduct	*-0.11*
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe	1.72
		For >1,000 To 5,000, Deduct	*-0.09*
		For >5,000, Deduct	*-0.17*

33 01 70 72 Cured-in-Place Conduit Lining *(33 01 70)*

33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner *(33 01 70 72)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.

33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0003	LF	1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	8.26	
		For Up To >10, Add	*15.38*	
		For >10 To 25, Add	*12.19*	
		For >25 To 50, Add	*7.50*	
		For >50 To 100, Add	*3.75*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 2,000, Deduct	*-0.84*	
		For >2,000 To 5,000, Deduct	*-1.58*	
		For >5,000, Deduct	*-2.55*	
33 01 70 72-0004	LF	2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	10.13	
		For Up To >10, Add	*17.69*	
		For >10 To 25, Add	*13.90*	
		For >25 To 50, Add	*8.59*	
		For >50 To 100, Add	*4.30*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-1.01*	
		For >2,000 To 5,000, Deduct	*-1.87*	
		For >5,000, Deduct	*-3.04*	
33 01 70 72-0005	LF	2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	12.72	
		For Up To >10, Add	*22.16*	
		For >10 To 25, Add	*17.40*	
		For >25 To 50, Add	*10.76*	
		For >50 To 100, Add	*5.38*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 2,000, Deduct	*-1.27*	
		For >2,000 To 5,000, Deduct	*-2.35*	
		For >5,000, Deduct	*-3.81*	
33 01 70 72-0006	LF	3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	15.03	
		For Up To >10, Add	*25.77*	
		For >10 To 25, Add	*20.18*	
		For >25 To 50, Add	*12.50*	
		For >50 To 100, Add	*6.25*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000 To 2,000, Deduct	*-1.49*	
		For >2,000 To 5,000, Deduct	*-2.75*	
		For >5,000, Deduct	*-4.47*	
33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	16.90	
		For Up To >10, Add	*28.08*	
		For >10 To 25, Add	*21.89*	
		For >25 To 50, Add	*13.59*	
		For >50 To 100, Add	*6.79*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-1.66*	
		For >2,000 To 5,000, Deduct	*-3.05*	
		For >5,000, Deduct	*-4.95*	
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	19.07	
		For Up To >10, Add	*31.29*	
		For >10 To 25, Add	*24.34*	
		For >25 To 50, Add	*15.12*	
		For >50 To 100, Add	*7.56*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000 To 2,000, Deduct	*-1.87*	
		For >2,000 To 5,000, Deduct	*-3.42*	
		For >5,000, Deduct	*-5.55*	
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	22.56	
		For Up To >10, Add	*35.13*	
		For >10 To 25, Add	*27.11*	
		For >25 To 50, Add	*16.91*	
		For >50 To 100, Add	*8.46*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000 To 2,000, Deduct	*-2.17*	
		For >2,000 To 5,000, Deduct	*-3.95*	
		For >5,000, Deduct	*-6.42*	
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	26.05	
		For Up To >10, Add	*39.00*	
		For >10 To 25, Add	*29.89*	
		For >25 To 50, Add	*18.72*	
		For >50 To 100, Add	*9.36*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000 To 2,000, Deduct	*-2.47*	
		For >2,000 To 5,000, Deduct	*-4.48*	
		For >5,000, Deduct	*-7.29*	

33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0012	LF	1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	10.25	
		For Up To >10, Add	*17.05*	
		For >10 To 25, Add	*13.30*	
		For >25 To 50, Add	*8.25*	
		For >50 To 100, Add	*4.13*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-1.01*	
		For >2,000 To 5,000, Deduct	*-1.85*	
		For >5,000, Deduct	*-3.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	13.36	
		For Up To >10, Add	*21.41*	
		For >10 To 25, Add	*16.59*	
		For >25 To 50, Add	*10.33*	
		For >50 To 100, Add	*5.16*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,000, Deduct	*-1.30*	
		For >2,000 To 5,000, Deduct	*-2.37*	
		For >5,000, Deduct	*-3.85*	
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	16.47	
		For Up To >10, Add	*25.79*	
		For >10 To 25, Add	*19.91*	
		For >25 To 50, Add	*12.42*	
		For >50 To 100, Add	*6.21*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000 To 2,000, Deduct	*-1.59*	
		For >2,000 To 5,000, Deduct	*-2.89*	
		For >5,000, Deduct	*-4.70*	
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	19.28	
		For Up To >10, Add	*29.27*	
		For >10 To 25, Add	*22.48*	
		For >25 To 50, Add	*14.06*	
		For >50 To 100, Add	*7.03*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000 To 2,000, Deduct	*-1.84*	
		For >2,000 To 5,000, Deduct	*-3.33*	
		For >5,000, Deduct	*-5.43*	
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	21.98	
		For Up To >10, Add	*32.39*	
		For >10 To 25, Add	*24.76*	
		For >25 To 50, Add	*15.52*	
		For >50 To 100, Add	*7.76*	
		For >500 To 1,000, Deduct	*-1.31*	
		For >1,000 To 2,000, Deduct	*-2.08*	
		For >2,000 To 5,000, Deduct	*-3.75*	
		For >5,000, Deduct	*-6.11*	
33 01 70 72-0017	LF	4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	24.80	
		For Up To >10, Add	*35.90*	
		For >10 To 25, Add	*27.35*	
		For >25 To 50, Add	*17.18*	
		For >50 To 100, Add	*8.59*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 2,000, Deduct	*-2.33*	
		For >2,000 To 5,000, Deduct	*-4.20*	
		For >5,000, Deduct	*-6.84*	
33 01 70 72-0018	LF	5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	30.31	
		For Up To >10, Add	*42.51*	
		For >10 To 25, Add	*32.19*	
		For >25 To 50, Add	*20.28*	
		For >50 To 100, Add	*10.14*	
		For >500 To 1,000, Deduct	*-1.79*	
		For >1,000 To 2,000, Deduct	*-2.82*	
		For >2,000 To 5,000, Deduct	*-5.06*	
		For >5,000, Deduct	*-8.25*	
33 01 70 72-0019	LF	6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	35.41	
		For Up To >10, Add	*47.88*	
		For >10 To 25, Add	*36.01*	
		For >25 To 50, Add	*22.77*	
		For >50 To 100, Add	*11.39*	
		For >500 To 1,000, Deduct	*-2.07*	
		For >1,000 To 2,000, Deduct	*-3.26*	
		For >2,000 To 5,000, Deduct	*-5.82*	
		For >5,000, Deduct	*-9.50*	

33 05 Common Work Results for Utilities *(33)*

33 05 05 Buried Piping Installation *(33 05)*

33 05 05 43 Mandrel Testing *(33 05 05)*

33 05 05 43-0001 Pipe Line Deflection Testing (Mandrel) On Existing Pipe *(33 05 05 43)*

33 05 05 43-0002	EA	Initial Set Up And Final Equipment Removal For Deflection Testing (Mandrel)	716.64	
33 05 05 43-0003	EA	Move And Reset Up At Different Access/Location For Deflection Testing (Mandrel)	358.32	
33 05 05 43-0004	LF	Up To 4" Diameter Pipe Line Deflection Testing (Mandrel)	1.11	
		For >100 To 200, Deduct	*-0.06*	
		For >200 To 400, Deduct	*-0.11*	
		For >400, Deduct	*-0.18*	
33 05 05 43-0005	LF	6" Diameter Pipe Line Deflection Testing (Mandrel)	1.65	
		For >100 To 200, Deduct	*-0.08*	
		For >200 To 400, Deduct	*-0.14*	
		For >400, Deduct	*-0.23*	
33 05 05 43-0006	LF	8" Diameter Pipe Line Deflection Testing (Mandrel)	1.97	
		For >100 To 200, Deduct	*-0.09*	
		For >200 To 400, Deduct	*-0.17*	
		For >400, Deduct	*-0.26*	
33 05 05 43-0007	LF	10" Diameter Pipe Line Deflection Testing (Mandrel)	2.30	
		For >100 To 200, Deduct	*-0.10*	
		For >200 To 400, Deduct	*-0.19*	
		For >400, Deduct	*-0.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 05 43-0008	LF	12" Diameter Pipe Line Deflection Testing (Mandrel)	2.57	
		For >100 To 200, Deduct	*-0.11*	
		For >200 To 400, Deduct	*-0.21*	
		For >400, Deduct	*-0.33*	
33 05 05 43-0009	LF	>12" To 15" Diameter Pipe Line Deflection Testing (Mandrel)	2.70	
		For >100 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.23*	
		For >400, Deduct	*-0.36*	
33 05 05 43-0010	LF	>15" To 24" Diameter Pipe Line Deflection Testing (Mandrel)	2.87	
		For >100 To 200, Deduct	*-0.13*	
		For >200 To 400, Deduct	*-0.25*	
		For >400, Deduct	*-0.39*	
33 05 05 43-0011	LF	>24" To 30" Diameter Pipe Line Deflection Testing (Mandrel)	3.17	
		For >100 To 200, Deduct	*-0.16*	
		For >200 To 400, Deduct	*-0.29*	
		For >400, Deduct	*-0.46*	
33 05 05 43-0012	LF	>30" To 42" Diameter Pipe Line Deflection Testing (Mandrel)	3.77	
		For >100 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.38*	
		For >400, Deduct	*-0.59*	
33 05 05 43-0013	LF	>42" To 48" Diameter Pipe Line Deflection Testing (Mandrel)	5.06	
		For >100 To 200, Deduct	*-0.30*	
		For >200 To 400, Deduct	*-0.56*	
		For >400, Deduct	*-0.88*	
33 05 05 43-0014	LF	>48" To 60" Diameter Pipe Line Deflection Testing (Mandrel)	6.46	
		For >100 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.75*	
		For >400, Deduct	*-1.18*	

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	27.38
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	33.04
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	45.31
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	58.53
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	107.25
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	156.46
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	188.01
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	224.59
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	388.62
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	480.97
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	593.25
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	677.79
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	862.35
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	929.20
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	1,010.54
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	1,059.44
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,532.98
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,989.91
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,825.13

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	14.89
		For Horizontal Boring Through Rock, Add	*10.42*
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	22.33
		For Horizontal Boring Through Rock, Add	*15.63*
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	31.02
		For Horizontal Boring Through Rock, Add	*21.71*
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	38.46
		For Horizontal Boring Through Rock, Add	*26.92*
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	45.91
		For Horizontal Boring Through Rock, Add	*32.14*
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	53.35
		For Horizontal Boring Through Rock, Add	*37.35*
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	62.04
		For Horizontal Boring Through Rock, Add	*43.43*
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	75.71
		For Horizontal Boring Through Rock, Add	*53.00*
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	82.02
		For Horizontal Boring Through Rock, Add	*57.41*
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	88.33
		For Horizontal Boring Through Rock, Add	*61.83*
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	182.96
		For Horizontal Boring Through Rock, Add	*128.07*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	284.15	
		For Horizontal Boring Through Rock, Add	*198.91*	
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	433.15	
		For Horizontal Boring Through Rock, Add	*303.21*	
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	693.05	
		For Horizontal Boring Through Rock, Add	*485.14*	
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,729.72	
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,532.98	
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,989.91	

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	74.29	
		For Horizontal Jacking Through Rock, Add	*33.10*	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	88.97	
		For Horizontal Jacking Through Rock, Add	*39.94*	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	119.99	
		For Horizontal Jacking Through Rock, Add	*54.78*	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	155.09	
		For Horizontal Jacking Through Rock, Add	*70.75*	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	209.77	
		For Horizontal Jacking Through Rock, Add	*96.99*	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	307.74	
		For Horizontal Jacking Through Rock, Add	*141.51*	
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	370.60	
		For Horizontal Jacking Through Rock, Add	*170.04*	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	442.43	
		For Horizontal Jacking Through Rock, Add	*203.13*	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	678.07	
		For Horizontal Jacking Through Rock, Add	*352.61*	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	1,179.21	
		For Horizontal Jacking Through Rock, Add	*395.72*	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	1,361.06	
		For Horizontal Jacking Through Rock, Add	*488.64*	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	1,534.83	
		For Horizontal Jacking Through Rock, Add	*558.72*	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	1,647.70	
		For Horizontal Jacking Through Rock, Add	*603.35*	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	1,788.15	
		For Horizontal Jacking Through Rock, Add	*650.10*	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	1,906.78	
		For Horizontal Jacking Through Rock, Add	*707.52*	
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,729.72	
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,532.98	
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,989.91	
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,825.13	

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	24.31	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	25.73	
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	27.84	
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	30.01	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	38.24	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	43.37	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	48.50	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0010		Polyethylene Pipe *(33 05 07 24-0001)* Note: Includes detectable tracer wire.		
33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.00	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.59	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.15	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.64	
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.18	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.74	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.31	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.28	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.47	
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.69	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	17.79	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	24.16	

33 05 09 Piping Specials for Utilities *(33 05)*

33 05 09 23 Adapters for Utility Piping *(33 05 09)*

See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*

See CSI section 33 14 13 13-0566 for mechanical restraints, 33 14 13 13-0601 for flanged restraints, 33 14 13 13-1176 for slip-on restraints, 33 14 13 13-1187 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe *(33 05)*

See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing *(33 05)*

See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe *(33 05)*

See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe *(33 05)*

33 05 24 23 Steel Pipe for Water Service *(33 05 24)*

See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe *(33 05)*

33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*

See CSI section 33 42 11 00-0400 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*

See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*

See CSI section 33 42 11 00-0744 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe *(33 05)*

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*

See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*

See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*

See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe *(33 05)*

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*

See CSI section 33 42 11 00-0274 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*

See CSI section 33 14 13 23-0540 for AWWA C906 high-density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*

See CSI section 33 42 11 00-0296 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*

See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*

See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe *(33 05 33)*

See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)*
Note: Excludes boring.

33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.87	
		For Up To 250, Add	*0.13*	
		For >250 To 500, Add	*0.08*	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.34	
		For Up To 250, Add	*0.15*	
		For >250 To 500, Add	*0.10*	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.71	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.17	
		For Up To 250, Add	*0.21*	
		For >250 To 500, Add	*0.14*	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	6.99	
		For Up To 250, Add	*0.44*	
		For >250 To 500, Add	*0.29*	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	8.88	
		For Up To 250, Add	*0.67*	
		For >250 To 500, Add	*0.45*	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.96	
		For Up To 250, Add	*0.14*	
		For >250 To 500, Add	*0.09*	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.50	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.84	
		For Up To 250, Add	*0.20*	
		For >250 To 500, Add	*0.13*	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.51	
		For Up To 250, Add	*0.26*	
		For >250 To 500, Add	*0.17*	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	7.74	
		For Up To 250, Add	*0.55*	
		For >250 To 500, Add	*0.37*	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	9.82	
		For Up To 250, Add	*0.81*	
		For >250 To 500, Add	*0.54*	

33 05 39 Concrete Pipe *(33 05)*

33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*

See CSI section 33 42 11 00-0094 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 41 Vitrified Clay Utility Pipe *(33 05)*

See CSI section 33 42 11 00-1489 for vitrified clay piping.

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*
Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.
See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,770.05		314.76
		For Bitumastic Coating, Add	*82.02*		
		For Epoxy Coating, Add	*156.73*		
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	2,411.67		452.10
		For Bitumastic Coating, Add	*123.03*		
		For Epoxy Coating, Add	*235.10*		
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	3,247.84		686.73
		For Bitumastic Coating, Add	*164.04*		
		For Epoxy Coating, Add	*313.46*		
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	343.70		80.12
		For Bitumastic Coating, Add	*20.50*		
		For Epoxy Coating, Add	*39.18*		
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	370.61		80.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	594.57	80.12
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	474.30	80.12
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	679.14	80.12

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	2,733.27	360.53
		For Bitumastic Coating, Add	*82.02*	
		For Epoxy Coating, Add	*156.73*	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	3,645.20	492.16
		For Bitumastic Coating, Add	*123.03*	
		For Epoxy Coating, Add	*235.10*	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	4,786.98	743.96
		For Bitumastic Coating, Add	*164.04*	
		For Epoxy Coating, Add	*313.46*	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	508.89	94.42
		For Bitumastic Coating, Add	*20.50*	
		For Epoxy Coating, Add	*39.18*	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	556.26	94.42
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	950.43	94.42
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	738.76	94.42
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	1,099.31	94.42

33 05 61 00-0021 5' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	5,211.56	400.59
		For Bitumastic Coating, Add	*105.68*	
		For Epoxy Coating, Add	*252.67*	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	6,936.93	549.39
		For Bitumastic Coating, Add	*158.51*	
		For Epoxy Coating, Add	*379.00*	
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	8,917.06	824.08
		For Bitumastic Coating, Add	*211.35*	
		For Epoxy Coating, Add	*505.33*	
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	921.72	103.01
		For Bitumastic Coating, Add	*26.42*	
		For Epoxy Coating, Add	*63.17*	

33 05 61 00-0026 6' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	7,018.61	446.38
		For Bitumastic Coating, Add	*120.98*	
		For Epoxy Coating, Add	*295.81*	
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	9,133.49	606.62
		For Bitumastic Coating, Add	*181.48*	
		For Epoxy Coating, Add	*443.71*	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	11,533.60	915.65
		For Bitumastic Coating, Add	*241.97*	
		For Epoxy Coating, Add	*591.61*	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,122.56	114.46
		For Bitumastic Coating, Add	*30.25*	
		For Epoxy Coating, Add	*73.95*	

33 05 61 00-0031 7' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	11,124.07	492.16
		For Bitumastic Coating, Add	*257.28*	
		For Epoxy Coating, Add	*516.90*	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	14,375.32	671.29
		For Bitumastic Coating, Add	*385.91*	
		For Epoxy Coating, Add	*775.35*	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	17,940.17	1,007.21
		For Bitumastic Coating, Add	*514.55*	
		For Epoxy Coating, Add	*1,033.80*	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,698.30	125.90
		For Bitumastic Coating, Add	*64.32*	
		For Epoxy Coating, Add	*129.22*	

33 05 61 00-0036 8' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	16,139.57	566.56
		For Bitumastic Coating, Add	*304.16*	
		For Epoxy Coating, Add	*630.05*	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	20,916.62	772.58
		For Bitumastic Coating, Add	*456.23*	
		For Epoxy Coating, Add	*945.08*	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	26,054.22	1,158.87
		For Bitumastic Coating, Add	*608.31*	
		For Epoxy Coating, Add	*1,260.11*	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	2,468.65	143.07
		For Bitumastic Coating, Add	*76.04*	
		For Epoxy Coating, Add	*157.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*
Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,730.94
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,863.30
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,023.28
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,264.21
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,215.05
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,565.63
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,917.39
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,883.89
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,883.89
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,222.87
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,136.79
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,706.80
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,304.44
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,225.07

33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,149.13
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,387.50
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,559.12
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,727.66
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,063.23
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,847.47
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,223.83
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,767.44
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,010.84
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,600.38
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,888.47
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,552.02
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,557.35
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,601.44
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,807.06

33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,482.62
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,803.20
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,432.00
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,861.12
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,342.01
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,880.84
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,419.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,137.78	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,977.96	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,639.02	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	12,397.22	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,809.01	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,979.00	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,059.57	
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,905.52	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,537.84	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,311.18	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,469.00	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,196.02	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	3,795.24	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	5,160.93	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	6,500.92	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	8,066.83	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	11,191.59	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	5,768.79	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	8,066.83	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	10,414.01	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	12,991.01	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	18,564.58	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)* Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	397.06	24.94
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	331.98	55.39
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	507.35	83.09
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	594.05	83.09
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	565.40	83.09
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	690.45	83.09
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	671.58	83.09
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	924.79	83.09
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,315.83	110.78
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,860.76	110.78
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,178.02	152.32
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,348.67	152.32
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,236.42	152.32
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,256.85	166.17
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,815.83	166.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,272.95	166.17
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,354.12	166.17
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,815.90	258.72
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,657.20	258.72
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	510.33	24.94
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	642.25	83.09
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	781.82	83.09
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	719.35	83.09
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	826.22	83.09
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	854.25	83.09
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,109.03	83.09
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,464.89	152.32
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,635.54	152.32
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,523.32	152.32
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,151.13	258.72
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,998.83	258.72
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	656.09	24.94
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	553.57	24.94
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	431.69	83.09
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	492.18	83.09
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	148.61	24.94
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	234.34	24.94
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	383.14	24.94
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	401.15	24.94
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	325.70	55.39
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	353.32	55.39
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	230.66	24.94
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	264.40	24.94
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	350.45	55.39
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	396.89	55.39
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	366.83	55.39
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	434.50	83.09
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	480.05	83.09
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	513.93	83.09
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	564.94	83.09
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	666.68	83.09
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	728.39	83.09
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	795.92	83.09
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	838.38	83.09
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	995.73	110.78
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	993.16	152.32
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,288.91	152.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,562.00	152.32
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,734.46	152.32
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,906.01	152.32
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,144.12	258.72
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,539.53	258.72
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,758.57	258.72
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,177.42	258.72
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,173.12	258.72
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,329.47	258.72
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,630.15	258.72
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,407.23	277.20
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,619.52	277.20
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,890.55	277.20
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,999.00	277.20
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,036.70	277.20
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,449.67	277.20
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,647.66	277.20
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,517.83	277.20
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,964.59	295.68
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,911.37	295.68
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,322.36	295.68

33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	588.74	83.09
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	678.48	83.09
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	256.17	24.94
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	373.34	24.94
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	502.86	24.94
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	520.89	24.94
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	443.63	55.39
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	462.85	55.39
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	488.55	55.39
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	347.94	24.94
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	412.44	24.94
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	487.93	55.39
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	534.37	55.39
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	505.77	55.39
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	587.88	83.09
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	633.99	83.09
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	696.95	83.09
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	747.64	83.09
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	849.08	83.09
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	911.06	83.09
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	978.30	83.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,021.06	83.09
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,248.07	110.78
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,280.05	152.32
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,575.46	152.32
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,848.25	152.32
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,020.44	152.32
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,192.55	152.32
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,871.60	258.72
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,090.96	258.72
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,509.49	258.72
33 05 63 00-0186		Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	538.59	83.09
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	630.82	83.09
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	187.61	24.94
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	313.14	24.94
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	452.76	24.94
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	471.12	24.94
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	410.65	55.39
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	464.10	55.39
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	273.17	24.94
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	436.91	55.39
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	503.50	55.39
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	454.22	55.39
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	580.81	83.09
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	671.85	83.09
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	702.12	83.09
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	774.21	83.09
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	840.52	83.09
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	903.13	83.09
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,015.23	83.09
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,030.86	83.09
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,267.63	110.78
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,305.40	152.32
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,631.64	152.32
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,954.29	152.32
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,168.59	152.32
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,382.89	152.32
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,543.39	258.72
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,938.83	258.72
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,174.96	258.72
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,593.52	258.72
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,778.14	258.72
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,835.95	258.72
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,396.81	258.72
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,141.17	277.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,250.86	277.20
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,562.02	277.20
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,797.53	277.20
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,482.74	277.20
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,324.99	277.20
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,744.97	277.20
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,122.88	277.20
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,004.08	295.68
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,951.24	295.68
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	8,053.15	295.68

33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	695.62	83.09
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	817.48	83.09
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	294.30	24.94
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	451.87	24.94
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	572.23	24.94
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	590.83	24.94
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	548.13	55.39
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	601.25	55.39
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	425.63	24.94
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	573.77	55.39
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	640.36	55.39
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	553.92	55.39
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	734.81	83.09
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	825.85	83.09
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	884.80	83.09
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	956.91	83.09
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,023.20	83.09
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,085.83	83.09
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,197.96	83.09
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,213.53	83.09
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,519.65	110.78
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,592.27	152.32
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,918.22	152.32
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,240.51	152.32
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,454.97	152.32
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,669.44	152.32
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,271.20	258.72
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,507.65	258.72
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,925.91	258.72

33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	576.88	83.09
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	389.85	55.39
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	441.19	55.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	510.24	83.09
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	406.67	55.39
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	455.84	55.39

33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions *(33 05 63 00-0069)*

Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.

33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	414.66	83.09
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	468.16	83.09
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	532.63	110.78
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	585.16	110.78
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	686.81	152.32
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,227.91	258.72
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,170.48	258.72
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,183.01	258.72
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,613.71	277.20
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,597.30	295.68
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	3,431.60	295.68
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	695.41	83.09
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	728.09	83.09
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	772.11	110.78
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	825.21	110.78
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	949.48	152.32
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,541.67	258.72
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	535.62	83.09
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	600.09	83.09
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	779.32	152.32
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,552.22	277.20

33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0069)*

33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0292	EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	153.43	11.09
33 05 63 00-0293	EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	155.49	11.09
33 05 63 00-0294	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	143.71	11.09
33 05 63 00-0295	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	155.89	11.09
33 05 63 00-0296	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	157.47	11.08
33 05 63 00-0297	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	181.46	11.08
33 05 63 00-0298	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	211.13	11.08
33 05 63 00-0299	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,406.15	33.26
33 05 63 00-0300	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,229.19	33.26
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,845.56	33.26
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,866.57	33.26
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,115.97	33.26
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,306.47	33.26
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,712.93	33.26
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	130.63	11.08
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	189.53	11.08
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	192.26	11.08
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	243.30	11.08
33 05 63 00-0310	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	182.21	11.08
33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	288.82	11.08
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	225.59	11.08
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	468.71	11.08
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	407.29	16.62
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	512.52	16.62
33 05 63 00-0316	EA	39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	661.56	19.39
33 05 63 00-0317	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	931.19	25.87
33 05 63 00-0318	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	966.68	49.28
33 05 63 00-0319	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	246.36	11.08
33 05 63 00-0320	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	353.60	11.08
33 05 63 00-0321	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	403.10	11.08
33 05 63 00-0322	EA	27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	673.88	11.08
33 05 63 00-0323	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	551.94	16.62
33 05 63 00-0324	EA	39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	937.09	19.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0325	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,229.65	25.87
33 05 63 00-0326	EA	30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,659.85	33.26
33 05 63 00-0327	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,474.45	33.26
33 05 63 00-0328	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,064.03	33.26
33 05 63 00-0329	EA	48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,691.06	33.26
33 05 63 00-0330	EA	36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,576.68	33.26
33 05 63 00-0331	EA	48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,917.13	33.26
33 05 63 00-0332	EA	48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	6,056.62	33.26
33 05 63 00-0333	EA	11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	325.81	11.08
33 05 63 00-0334	EA	11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	356.79	11.08
33 05 63 00-0335	EA	13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	471.52	11.08
33 05 63 00-0336	EA	17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	538.11	11.08
33 05 63 00-0337	EA	27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	934.08	11.08
33 05 63 00-0338	EA	24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	674.56	16.62
33 05 63 00-0339	EA	24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	925.25	16.62
33 05 63 00-0340	EA	39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,437.69	19.39
33 05 63 00-0341	EA	36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,645.12	25.87
33 05 63 00-0342	EA	30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,710.56	49.28
33 05 63 00-0343	EA	30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,979.06	33.26
33 05 63 00-0344	EA	36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,767.34	33.26
33 05 63 00-0345	EA	48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,876.11	33.26
33 05 63 00-0346	EA	36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,457.66	33.26
33 05 63 00-0347	EA	48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,737.44	33.26
33 05 63 00-0348	EA	48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	8,861.92	33.26

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*

33 05 63 00-0350	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	177.02	11.09
33 05 63 00-0351	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	187.39	11.09
33 05 63 00-0352	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	190.77	11.08
33 05 63 00-0353	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	192.04	11.08
33 05 63 00-0354	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	222.45	11.08
33 05 63 00-0355	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	140.19	11.08
33 05 63 00-0356	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	199.33	11.08
33 05 63 00-0357	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	201.22	11.08
33 05 63 00-0358	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	253.40	11.08
33 05 63 00-0359	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	193.21	11.08
33 05 63 00-0360	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	237.21	11.08
33 05 63 00-0361	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	299.52	11.08
33 05 63 00-0362	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	414.47	16.62
33 05 63 00-0363	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	523.54	16.62
33 05 63 00-0364	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	978.00	49.28
33 05 63 00-0365	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	115.87	11.09
33 05 63 00-0366	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	184.14	11.09
33 05 63 00-0367	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	205.42	11.09
33 05 63 00-0368	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	195.97	11.09
33 05 63 00-0369	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	160.52	11.08
33 05 63 00-0370	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	256.14	11.08
33 05 63 00-0371	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	278.24	11.08
33 05 63 00-0372	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	363.99	11.08
33 05 63 00-0373	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	414.39	11.08
33 05 63 00-0374	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	562.04	16.62
33 05 63 00-0375	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	703.75	16.62
33 05 63 00-0376	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,291.11	49.28

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 63 00-0290)*

33 05 63 00-0378	EA	6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	92.39	11.09
33 05 63 00-0379	EA	7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	110.75	11.09
33 05 63 00-0380	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	135.48	11.09
33 05 63 00-0381	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	146.47	11.09
33 05 63 00-0382	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	146.17	11.08
33 05 63 00-0383	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	174.33	11.08
33 05 63 00-0384	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	202.01	11.08
33 05 63 00-0385	EA	24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	494.48	16.62
33 05 63 00-0386	EA	30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	925.47	49.28
33 05 63 00-0387	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,390.69	33.26
33 05 63 00-0388	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,211.73	33.26
33 05 63 00-0389	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,816.83	33.26
33 05 63 00-0390	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,752.84	33.26
33 05 63 00-0391	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,099.29	33.26
33 05 63 00-0392	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,244.83	33.26
33 05 63 00-0393	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,594.49	33.26
33 05 63 00-0394	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	125.40	11.08
33 05 63 00-0395	EA	10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	122.34	11.08
33 05 63 00-0396	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	182.92	11.08
33 05 63 00-0397	EA	11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	201.47	11.08
33 05 63 00-0398	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	228.65	11.08
33 05 63 00-0399	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	172.74	11.08
33 05 63 00-0400	EA	18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	193.21	11.08
33 05 63 00-0401	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	275.99	11.08
33 05 63 00-0402	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	398.98	16.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0403	EA	20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	500.20	16.62
33 05 63 00-0404	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	494.18	16.62
33 05 63 00-0405	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	893.61	25.87
33 05 63 00-0406	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	925.47	29.57

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0408	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,448.34	33.26
33 05 63 00-0409	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,101.43	33.26
33 05 63 00-0410	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,214.72	49.28
33 05 63 00-0411	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,613.40	49.28
33 05 63 00-0412	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,722.57	33.26
33 05 63 00-0413	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,351.12	33.26

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0415	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	562.23	16.62
33 05 63 00-0416	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,048.82	25.87
33 05 63 00-0417	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,095.93	49.28
33 05 63 00-0418	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	87.28	11.09
33 05 63 00-0419	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	147.45	11.09
33 05 63 00-0420	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	162.66	11.09
33 05 63 00-0421	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	172.74	11.09
33 05 63 00-0422	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	151.05	11.08
33 05 63 00-0423	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	269.27	11.08
33 05 63 00-0424	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	755.52	16.62
33 05 63 00-0425	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,397.41	25.87
33 05 63 00-0426	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,463.74	49.28

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover *(33 05 63 00-0068)*

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,094.90	267.66
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,870.17	401.49
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*114.64*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,237.40	535.32
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*202.62*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,336.96	535.32
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*257.03*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,723.22	669.15
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*310.35*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,888.28	669.15
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*338.82*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,318.27	802.98
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*396.62*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,801.17	936.81
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*547.75*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,809.22	802.98
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*585.94*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,851.45	802.98
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*415.74*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	824.50	267.66
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	980.35	301.11
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,225.09	334.58
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 81 Metallic Castings for Utility Structures *(33 05)*

33 05 81 00-0001 Manhole Accessories *(33 05 81)*

33 05 81 00-0002 Steps For Cast-In-Place Manholes *(33 05 81 00-0001)*

See CSI section 33 01 30 81-0041 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	91.24	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	71.66	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	99.29	

33 05 81 00-0006 Manhole Covers And Frames *(33 05 81)*

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames *(33 05 81 00-0006)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame	3,864.24	98.44
		For Ductile Iron Castings, Add	*2,496.66*	
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	2,028.84	98.44
		For Ductile Iron Castings, Add	*1,211.88*	
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	2,345.05	114.46
		For Ductile Iron Castings, Add	*1,401.17*	
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame	3,859.45	127.05
		For Ductile Iron Castings, Add	*2,434.55*	
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	3,172.78	137.34
		For Ductile Iron Castings, Add	*1,931.37*	
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	3,312.68	143.07
		For Ductile Iron Castings, Add	*2,018.44*	

33 05 81 00-0014 Watertight Type Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0015	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,261.95	81.27
		For Ductile Iron Castings, Add	*2,756.94*	
33 05 81 00-0016	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,301.49	81.27
		For Ductile Iron Castings, Add	*2,765.97*	
33 05 81 00-0017	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,358.97	95.00
		For Ductile Iron Castings, Add	*2,784.22*	
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,236.97	106.44
		For Ductile Iron Castings, Add	*3,376.30*	
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,123.17	108.73
		For Ductile Iron Castings, Add	*3,985.79*	
33 05 81 00-0020	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,463.92	111.02
		For Ductile Iron Castings, Add	*4,220.38*	
33 05 81 00-0021	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,768.35	114.46
		For Ductile Iron Castings, Add	*4,429.38*	

33 05 81 00-0022 Aluminum Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0023	EA	12" Square Aluminum Manhole Cover With Frame	1,209.87	32.08
33 05 81 00-0024	EA	18" Square Aluminum Manhole Cover With Frame	2,222.90	35.51
33 05 81 00-0025	EA	24" Square Aluminum Manhole Cover With Frame	3,192.99	41.23

33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame *(33 05 81 00-0006)*

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0027	EA	Removal And Reinstallation Of Manhole Cover And Frame	458.89	

33 05 83 Non-Metallic Accessories for Utility Structures *(33 05)*

33 05 83 00-0001 Manhole Accessories *(33 05 83)*

33 05 83 00-0002 Steps For Cast-In-Place Manholes *(33 05 83 00-0001)*

See CSI section 33 01 30 81-0041 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	55.03	

33 05 83 00-0004 Rainguard Inflow Protectors *(33 05 83)*

33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	143.79	23.60
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	168.00	23.60
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	200.83	28.32
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	216.13	28.32
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	269.11	33.04
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	287.89	33.04

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories *(33 05 84)*

33 05 84 00-0002 Precast Concrete Manhole Tops *(33 05 84 00-0001)*

33 05 84 00-0003 Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*

33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	647.81	85.84
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	912.99	92.71
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	1,242.22	99.58
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	1,490.66	106.44
33 05 84 00-0008	EA	7' Diameter x 8" Thick Precast Manhole Top Slab	2,281.95	114.46
33 05 84 00-0009	EA	8' Diameter x 10" Thick Precast Manhole Top Slab	3,054.25	123.04
33 05 84 00-0010	EA	10' Diameter x 12" Thick Precast Manhole Top Slab	5,223.61	131.63
33 05 84 00-0011	EA	12' Diameter x 12" Thick Precast Manhole Top Slab	7,424.58	141.64

33 05 84 00-0012 Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*

33 05 84 00-0013	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	1,038.09	107.30
33 05 84 00-0014	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,156.73	111.59
33 05 84 00-0015	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	1,275.40	115.88
33 05 84 00-0016	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	1,506.95	123.04
33 05 84 00-0017	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	1,744.27	131.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0018		**Precast Concrete Manhole Reducer Slabs** *(33 05 84 00-0002)*		
33 05 84 00-0019	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,367.73	99.58
33 05 84 00-0020	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,766.37	106.44
33 05 84 00-0021	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,340.09	106.44
33 05 84 00-0022	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,718.58	106.44
33 05 84 00-0023	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,791.01	106.44
33 05 84 00-0024	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	6,950.58	106.44
33 05 84 00-0025		**Pipe To Manhole Connector** *(33 05 84 00-0001)*		
33 05 84 00-0026		**Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors** *(33 05 84 00-0025)*		
33 05 84 00-0027	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	94.44	
33 05 84 00-0028	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	138.45	
33 05 84 00-0029	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	156.13	
33 05 84 00-0030	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	235.22	
33 05 84 00-0031	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	328.33	
33 05 84 00-0032	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	434.92	
33 05 84 00-0033	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	781.13	
33 05 84 00-0034	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,084.26	
33 05 84 00-0035	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,707.57	
33 05 84 00-0036	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	2,011.45	
33 05 84 00-0037		**Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout** *(33 05 84 00-0025)* Note: Fernco CMA.		
33 05 84 00-0038	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	117.81	
33 05 84 00-0039	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	163.81	
33 05 84 00-0040	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	207.03	
33 05 84 00-0041	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	250.05	
33 05 84 00-0042	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	290.04	
33 05 84 00-0043		**Brick And Grout Pipe To Manhole Connector** *(33 05 84 00-0025)*		
33 05 84 00-0044	EA	Seal Gap Between Pipe And Structure With Brick And Grout	298.78	
33 05 84 00-0045		**Inverts For Manholes** *(33 05 84 00-0001)*		
33 05 84 00-0046	EA	Single Channel Concrete Invert For Manholes	467.16	
33 05 84 00-0047	EA	Double Channel Concrete Invert For Manholes	675.41	
33 05 84 00-0048	EA	Triple Channel Concrete Invert For Manholes	909.07	
33 05 84 00-0049	EA	Quad Channel Concrete Invert For Manholes	1,142.65	
33 05 84 00-0050	EA	Single Channel Brick Invert For Manholes	703.21	
33 05 84 00-0051	EA	Double Channel Brick Invert For Manholes	1,052.67	
33 05 84 00-0052	EA	Triple Channel Brick Invert For Manholes	1,408.10	
33 05 84 00-0053	EA	Quad Channel Brick Invert For Manholes	1,759.62	
33 05 84 00-0054		**Protective Coating For New Manholes** *(33 05 84 00-0001)*		
33 05 84 00-0055		**Polyurethane Protective Coating For New Manholes** *(33 05 84 00-0054)*		
33 05 84 00-0056	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	219.52	
		For 80 Mil Material, Add	*32.81*	
		For 100 Mil Material, Add	*65.61*	
		For 125 Mil Material, Add	*103.69*	
		For 150 Mil Material, Add	*141.77*	
		For 200 Mil Material, Add	*210.11*	
		For 2 To 5 Manholes, Deduct	*-14.88*	
		For 6 To 10 Manholes, Deduct	*-24.28*	
		For >10 Manholes, Deduct	*-48.55*	
33 05 84 00-0057	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	264.86	
		For 80 Mil Material, Add	*38.95*	
		For 100 Mil Material, Add	*77.89*	
		For 125 Mil Material, Add	*123.00*	
		For 150 Mil Material, Add	*168.10*	
		For 200 Mil Material, Add	*248.76*	
		For 2 To 5 Manholes, Deduct	*-18.02*	
		For 6 To 10 Manholes, Deduct	*-29.41*	
		For >10 Manholes, Deduct	*-58.83*	
33 05 84 00-0058	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	292.69	
		For 80 Mil Material, Add	*43.74*	
		For 100 Mil Material, Add	*87.48*	
		For 125 Mil Material, Add	*138.25*	
		For 150 Mil Material, Add	*189.02*	
		For 200 Mil Material, Add	*280.13*	
		For 2 To 5 Manholes, Deduct	*-19.84*	
		For 6 To 10 Manholes, Deduct	*-32.37*	
		For >10 Manholes, Deduct	*-64.74*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0059	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	365.94	
		For 80 Mil Material, Add	*54.70*	
		For 100 Mil Material, Add	*109.40*	
		For 125 Mil Material, Add	*172.89*	
		For 150 Mil Material, Add	*236.38*	
		For 200 Mil Material, Add	*350.34*	
		For 2 To 5 Manholes, Deduct	*-24.81*	
		For 6 To 10 Manholes, Deduct	*-40.47*	
		For >10 Manholes, Deduct	*-80.94*	
33 05 84 00-0060	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	425.22	
		For 80 Mil Material, Add	*64.59*	
		For 100 Mil Material, Add	*129.18*	
		For 125 Mil Material, Add	*204.32*	
		For 150 Mil Material, Add	*279.46*	
		For 200 Mil Material, Add	*414.81*	
		For 2 To 5 Manholes, Deduct	*-28.73*	
		For 6 To 10 Manholes, Deduct	*-46.82*	
		For >10 Manholes, Deduct	*-93.65*	

33 05 84 00-0061 Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0054)*

Note: For new manholes and shop applied.

33 05 84 00-0062	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.43
33 05 84 00-0063	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	364.59
33 05 84 00-0064	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	444.92
33 05 84 00-0065	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	558.74
33 05 84 00-0066	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	672.56
33 05 84 00-0067	SF	Polyvinyl Chloride (PVC) Liner At Structures	45.31

33 05 84 00-0068 Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*

33 05 84 00-0069 18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0068)*

33 05 84 00-0070	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	97.13
33 05 84 00-0071	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	106.26
33 05 84 00-0072	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	115.38
33 05 84 00-0073	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	124.51

33 05 84 00-0074 24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0068)*

33 05 84 00-0075	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	109.09
33 05 84 00-0076	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	119.46
33 05 84 00-0077	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	129.83
33 05 84 00-0078	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	140.20

33 05 84 00-0079 30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0068)*

33 05 84 00-0080	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	120.78
33 05 84 00-0081	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	132.34
33 05 84 00-0082	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	143.91
33 05 84 00-0083	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	155.47

33 05 84 00-0084 Bentonite Collar *(33 05 84 00-0001)*

33 05 84 00-0085 Bentonite Collar At Manhole Connections *(33 05 84 00-0084)*

33 05 84 00-0086	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	162.19
33 05 84 00-0087	EA	>12" To 21", Bentonite Collar At Manhole Connection	256.93
33 05 84 00-0088	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	407.13
33 05 84 00-0089	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	951.66
33 05 84 00-0090	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,485.29
33 05 84 00-0091	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,697.47

33 05 84 00-0092 Expanded Polypropylene (EPP) Finish Ring *(33 05 84 00-0001)*

33 05 84 00-0093	EA	34" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	110.75
33 05 84 00-0094	EA	34" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	113.11
33 05 84 00-0095	EA	34" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	120.03
33 05 84 00-0096	EA	34" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	126.95
33 05 84 00-0097	EA	34" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	133.87
33 05 84 00-0098	EA	34" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	140.79
33 05 84 00-0099	EA	34" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	153.18
33 05 84 00-0100	EA	34" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	123.70
33 05 84 00-0101	EA	36" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	116.73
33 05 84 00-0102	EA	36" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	119.26
33 05 84 00-0103	EA	36" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	126.66
33 05 84 00-0104	EA	36" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	134.07
33 05 84 00-0105	EA	36" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	141.47
33 05 84 00-0106	EA	36" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	148.87
33 05 84 00-0107	EA	36" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	162.12
33 05 84 00-0108	EA	36" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	130.59
33 05 84 00-0109	EA	40" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	130.13
33 05 84 00-0110	EA	40" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	133.22
33 05 84 00-0111	EA	40" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	142.46
33 05 84 00-0112	EA	40" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	151.71
33 05 84 00-0113	EA	40" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	159.77

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0114	EA	40" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	167.83	
33 05 84 00-0115	EA	40" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	181.44	
33 05 84 00-0116	EA	40" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	147.05	
33 05 84 00-0117	EA	46" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	144.87	
33 05 84 00-0118	EA	46" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	148.59	
33 05 84 00-0119	EA	46" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	159.90	
33 05 84 00-0120	EA	46" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	171.22	
33 05 84 00-0121	EA	46" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	180.02	
33 05 84 00-0122	EA	46" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	188.82	
33 05 84 00-0123	EA	46" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	202.87	
33 05 84 00-0124	EA	46" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	165.25	

33 05 84 00-0125 Expanded Polypropylene (EPP) Grade Ring *(33 05 84 00-0001)*

33 05 84 00-0126	EA	34" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	140.79	
33 05 84 00-0127	EA	34" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	195.03	
33 05 84 00-0128	EA	34" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	244.63	
33 05 84 00-0129	EA	36" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	148.87	
33 05 84 00-0130	EA	36" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	206.87	
33 05 84 00-0131	EA	36" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	259.92	
33 05 84 00-0132	EA	40" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	167.83	
33 05 84 00-0133	EA	40" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	231.65	
33 05 84 00-0134	EA	40" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	290.50	
33 05 84 00-0135	EA	46" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	188.82	
33 05 84 00-0136	EA	46" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	259.24	
33 05 84 00-0137	EA	46" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	324.62	

33 05 84 00-0138 Waste Water Collection System Taps *(33 05 84)*

Note: For tapping existing structures only. Includes grout.

33 05 84 00-0139 Brick Manhole Taps *(33 05 84 00-0138)*

33 05 84 00-0140	EA	4" Tap In 6" Brick Manhole	589.46	
33 05 84 00-0141	EA	6" Tap In 6" Brick Manhole	658.37	
33 05 84 00-0142	EA	8" Tap In 6" Brick Manhole	726.05	
33 05 84 00-0143	EA	10" Tap In 6" Brick Manhole	793.59	
33 05 84 00-0144	EA	12" Tap In 6" Brick Manhole	875.89	
33 05 84 00-0145	EA	15" Tap In 6" Brick Manhole	943.30	

33 05 84 00-0146 Precast Concrete Manhole Tap *(33 05 84 00-0138)*

33 05 84 00-0147	EA	4" Tap In Existing Precast Concrete Manhole	861.35	
33 05 84 00-0148	EA	6" Tap In Existing Precast Concrete Manhole	964.72	
33 05 84 00-0149	EA	8" Tap In Existing Precast Concrete Manhole	1,079.10	
33 05 84 00-0150	EA	10" Tap In Existing Precast Concrete Manhole	1,180.42	
33 05 84 00-0151	EA	12" Tap In Existing Precast Concrete Manhole	1,281.53	
33 05 84 00-0152	EA	15" Tap In Existing Precast Concrete Manhole	1,385.09	
33 05 84 00-0153	EA	18" Tap In Existing Precast Concrete Manhole	1,595.45	
33 05 84 00-0154	EA	24" Tap In Existing Precast Concrete Manhole	2,051.71	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

33 05 97 23-0001 Non-Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation.

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	8.34	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	11.78	

33 05 97 23-0004 Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation.

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	8.48	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	11.60	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	18.64	

33 10 Water Utilities *(33)*

33 11 Groundwater Sources *(33 10)*

33 11 13 Potable Water Supply Wells *(33 11)*

33 11 13 00-0001 Submersible Well Pumps *(33 11 13)*

Note: Includes pump end, motor and control box.

33 11 13 00-0002 4" Submersible Well Pumps *(33 11 13 00-0001)*

33 11 13 00-0003 Powder Coated Case And Cast Iron Ends *(33 11 13 00-0002)*

33 11 13 00-0004	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,481.26	527.00
33 11 13 00-0005	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,686.82	584.11
33 11 13 00-0006	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,872.31	649.01

33 11 13 00-0007 Stainless Steel Case And Ends *(33 11 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0008	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,654.14	519.21
33 11 13 00-0009	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,884.60	584.11
33 11 13 00-0010	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,111.50	649.01
33 11 13 00-0011	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,411.80	713.91
33 11 13 00-0012	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,722.77	778.81
33 11 13 00-0013	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,337.60	908.61
33 11 13 00-0014	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,173.86	1,038.41

33 11 13 00-0015 6" Submersible Well Pumps *(33 11 13 00-0001)*

33 11 13 00-0016	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,125.89	1,298.02
33 11 13 00-0017	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,741.91	1,427.81
33 11 13 00-0018	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,380.42	1,557.62
33 11 13 00-0019	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	6,489.02	1,817.22

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001 Ductile Iron Piping *(33 14 13 13)*

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0521 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	95.06	13.91
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*51.81*	
		For Cement Mortar Lining (CML), Add	*7.40*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*39.97*	
		For Fusion Bonded Epoxy Lining (206N), Add	*13.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.55*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.75*	
		For Class 52, Add	*22.37*	
		For Class 53, Add	*40.46*	
		For Class 54, Add	*57.78*	
		For Class 55, Add	*66.34*	
		For Class 56, Add	*74.75*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	103.75	14.80
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*56.92*	
		For Cement Mortar Lining (CML), Add	*8.13*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*43.91*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.10*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.19*	
		For Class 51, Add	*11.36*	
		For Class 52, Add	*24.56*	
		For Class 53, Add	*44.42*	
		For Class 54, Add	*63.45*	
		For Class 55, Add	*72.84*	
		For Class 56, Add	*82.07*	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	111.77	15.54
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*61.80*	
		For Cement Mortar Lining (CML), Add	*8.83*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*47.67*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.62*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.59*	
		For Class 51, Add	*12.33*	
		For Class 52, Add	*26.64*	
		For Class 53, Add	*48.19*	
		For Class 54, Add	*68.83*	
		For Class 55, Add	*79.02*	
		For Class 56, Add	*89.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	137.38	16.15
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*79.04*	
		For Cement Mortar Lining (CML), Add	*11.29*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*60.97*	
		For Fusion Bonded Epoxy Lining (206N), Add	*20.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.47*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.87*	
		For Class 51, Add	*15.70*	
		For Class 52, Add	*33.93*	
		For Class 53, Add	*61.43*	
		For Class 54, Add	*87.76*	
		For Class 55, Add	*100.72*	
		For Class 56, Add	*113.45*	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	181.71	22.97
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*88.14*	
		For Cement Mortar Lining (CML), Add	*14.69*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*73.45*	
		For Fusion Bonded Epoxy Lining (206N), Add	*26.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.02*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-9.09*	
		For Class 51, Add	*20.46*	
		For Class 52, Add	*44.22*	
		For Class 53, Add	*80.03*	
		For Class 54, Add	*114.32*	
		For Class 55, Add	*131.23*	
		For Class 56, Add	*147.82*	
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	226.30	25.53
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*93.81*	
		For Cement Mortar Lining (CML), Add	*18.76*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*75.05*	
		For Fusion Bonded Epoxy Lining (206N), Add	*33.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.07*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.32*	
		For Class 51, Add	*26.06*	
		For Class 52, Add	*56.33*	
		For Class 53, Add	*102.00*	
		For Class 54, Add	*145.73*	
		For Class 55, Add	*167.24*	
		For Class 56, Add	*188.36*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	276.18	28.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*102.37*	
		For Cement Mortar Lining (CML), Add	*23.27*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*79.11*	
		For Fusion Bonded Epoxy Lining (206N), Add	*41.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.45*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.81*	
		For Class 51, Add	*32.26*	
		For Class 52, Add	*69.75*	
		For Class 53, Add	*126.32*	
		For Class 54, Add	*180.49*	
		For Class 55, Add	*207.12*	
		For Class 56, Add	*233.26*	
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	310.57	32.83
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*106.94*	
		For Cement Mortar Lining (CML), Add	*26.08*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*80.86*	
		For Fusion Bonded Epoxy Lining (206N), Add	*46.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.56*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-15.53*	
		For Class 51, Add	*36.17*	
		For Class 52, Add	*78.22*	
		For Class 53, Add	*141.65*	
		For Class 54, Add	*202.39*	
		For Class 55, Add	*232.26*	
		For Class 56, Add	*261.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	392.53	38.28
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*137.15*	
		For Cement Mortar Lining (CML), Add	*33.45*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*103.70*	
		For Fusion Bonded Epoxy Lining (206N), Add	*60.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.09*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-19.63*	
		For Class 51, Add	*46.32*	
		For Class 52, Add	*100.17*	
		For Class 53, Add	*181.44*	
		For Class 54, Add	*259.28*	
		For Class 55, Add	*297.50*	
		For Class 56, Add	*335.02*	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	438.02	45.95
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*139.99*	
		For Cement Mortar Lining (CML), Add	*36.84*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*103.15*	
		For Fusion Bonded Epoxy Lining (206N), Add	*66.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.63*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-21.90*	
		For Class 51, Add	*51.08*	
		For Class 52, Add	*110.46*	
		For Class 53, Add	*200.04*	
		For Class 54, Add	*285.82*	
		For Class 55, Add	*327.99*	
		For Class 56, Add	*369.38*	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	581.46	57.44
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*153.27*	
		For Cement Mortar Lining (CML), Add	*49.44*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*103.83*	
		For Fusion Bonded Epoxy Lining (206N), Add	*89.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.08*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-29.07*	
		For Class 51, Add	*68.48*	
		For Class 52, Add	*148.08*	
		For Class 53, Add	*268.23*	
		For Class 54, Add	*383.28*	
		For Class 55, Add	*439.80*	
		For Class 56, Add	*495.27*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	790.04	61.85
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*216.14*	
		For Cement Mortar Lining (CML), Add	*69.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*125.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.29*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-39.50*	
		For Class 51, Add	*96.19*	
		For Class 52, Add	*208.07*	
		For Class 53, Add	*377.12*	
		For Class 54, Add	*538.99*	
		For Class 55, Add	*618.31*	
		For Class 56, Add	*696.16*	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	970.47	65.67
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*270.27*	
		For Cement Mortar Lining (CML), Add	*87.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*156.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.39*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-48.52*	
		For Class 51, Add	*120.06*	
		For Class 52, Add	*259.75*	
		For Class 53, Add	*470.92*	
		For Class 54, Add	*673.11*	
		For Class 55, Add	*772.08*	
		For Class 56, Add	*869.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	1,227.53	69.50
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*348.16*	
		For Cement Mortar Lining (CML), Add	*112.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*202.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.23*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-61.38*	
		For Class 51, Add	*154.38*	
		For Class 52, Add	*334.04*	
		For Class 53, Add	*605.79*	
		For Class 54, Add	*865.97*	
		For Class 55, Add	*993.17*	
		For Class 56, Add	*1,118.02*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	1,541.73	73.45
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*443.77*	
		For Cement Mortar Lining (CML), Add	*143.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*257.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.36*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-77.09*	
		For Class 51, Add	*196.49*	
		For Class 52, Add	*425.19*	
		For Class 53, Add	*771.27*	
		For Class 54, Add	*1,102.61*	
		For Class 55, Add	*1,264.46*	
		For Class 56, Add	*1,423.31*	

33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	194.00	43.92
		For Cement Mortar Lining (CML), Add	*12.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	218.22	52.49
		For Cement Mortar Lining (CML), Add	*13.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	344.24	77.56
		For Cement Mortar Lining (CML), Add	*22.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	469.34	92.00
		For Cement Mortar Lining (CML), Add	*32.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	679.14	101.88
		For Cement Mortar Lining (CML), Add	*52.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	887.62	119.52
		For Cement Mortar Lining (CML), Add	*70.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*127.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,385.73	134.02
		For Cement Mortar Lining (CML), Add	*118.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*212.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,838.35	153.16
		For Cement Mortar Lining (CML), Add	*160.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.47*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,259.14	214.42
		For Cement Mortar Lining (CML), Add	*193.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*348.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	3,103.23	268.03
		For Cement Mortar Lining (CML), Add	*269.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*485.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*202.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,566.88	356.91
		For Cement Mortar Lining (CML), Add	*402.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*724.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*301.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	7,040.93	382.90
		For Cement Mortar Lining (CML), Add	*646.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,162.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*484.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	10,702.94	397.51
		For Cement Mortar Lining (CML), Add	*1,010.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,818.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*757.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	18,016.77	459.48
		For Cement Mortar Lining (CML), Add	*1,732.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,117.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,299.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	23,835.98	488.84
		For Cement Mortar Lining (CML), Add	*2,309.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,157.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,732.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035		**Mechanical Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	180.88	43.92
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	193.85	52.49
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	301.13	77.56
		For Cement Mortar Lining (CML), Add	*18.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	407.49	92.00
		For Cement Mortar Lining (CML), Add	*26.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	546.06	101.88
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	765.79	119.52
		For Cement Mortar Lining (CML), Add	*58.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,123.32	134.02
		For Cement Mortar Lining (CML), Add	*92.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,379.14	153.16
		For Cement Mortar Lining (CML), Add	*114.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*206.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,970.49	214.42
		For Cement Mortar Lining (CML), Add	*164.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*296.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,164.19	268.03
		For Cement Mortar Lining (CML), Add	*175.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*316.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,211.75	356.91
		For Cement Mortar Lining (CML), Add	*267.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*480.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	6,006.31	382.90
		For Cement Mortar Lining (CML), Add	*542.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*976.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*406.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,536.23	397.51
		For Cement Mortar Lining (CML), Add	*793.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,428.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*595.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	12,886.76	459.48
		For Cement Mortar Lining (CML), Add	*1,219.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,194.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*914.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	16,715.44	488.84
		For Cement Mortar Lining (CML), Add	*1,597.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,875.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,198.11*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	156.52	43.92
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	188.23	52.49
		For Cement Mortar Lining (CML), Add	*10.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.15*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	286.14	77.56
		For Cement Mortar Lining (CML), Add	*16.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	401.86	92.00
		For Cement Mortar Lining (CML), Add	*26.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	544.19	101.88
		For Cement Mortar Lining (CML), Add	*38.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	692.69	119.52
		For Cement Mortar Lining (CML), Add	*51.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,134.57	134.02
		For Cement Mortar Lining (CML), Add	*93.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*167.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,332.29	153.16
		For Cement Mortar Lining (CML), Add	*110.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,676.22	214.42
		For Cement Mortar Lining (CML), Add	*135.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*243.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,242.91	268.03
		For Cement Mortar Lining (CML), Add	*183.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*330.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,005.57	356.91
		For Cement Mortar Lining (CML), Add	*246.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*443.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*184.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,127.25	382.90
		For Cement Mortar Lining (CML), Add	*454.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*818.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*341.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,267.31	397.51
		For Cement Mortar Lining (CML), Add	*666.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,199.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*499.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,759.40	459.48
		For Cement Mortar Lining (CML), Add	*1,006.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,811.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*754.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,843.98	488.84
		For Cement Mortar Lining (CML), Add	*1,310.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,358.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*982.75*	
		Note: ANSI/AWWA C151/A21.51		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0067		Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	156.52	43.92
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	182.61	52.49
		For Cement Mortar Lining (CML), Add	*10.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	291.76	77.56
		For Cement Mortar Lining (CML), Add	*17.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	377.50	92.00
		For Cement Mortar Lining (CML), Add	*23.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	540.44	101.88
		For Cement Mortar Lining (CML), Add	*38.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	660.83	119.52
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,265.77	134.02
		For Cement Mortar Lining (CML), Add	*106.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,396.01	153.16
		For Cement Mortar Lining (CML), Add	*116.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*209.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,032.35	214.42
		For Cement Mortar Lining (CML), Add	*170.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*307.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,136.08	268.03
		For Cement Mortar Lining (CML), Add	*173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*311.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,848.13	356.91
		For Cement Mortar Lining (CML), Add	*230.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*415.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*173.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,209.72	382.90
		For Cement Mortar Lining (CML), Add	*462.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*833.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*347.22*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	6,929.93	397.51
		For Cement Mortar Lining (CML), Add	*632.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,138.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*474.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,300.20	459.48
		For Cement Mortar Lining (CML), Add	*960.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,728.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*720.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,754.01	488.84
		For Cement Mortar Lining (CML), Add	*1,301.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,342.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*976.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0083		Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	199.63	43.92
		For Cement Mortar Lining (CML), Add	*13.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	244.46	52.49
		For Cement Mortar Lining (CML), Add	*16.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*29.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	391.10	77.56
		For Cement Mortar Lining (CML), Add	*27.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	531.19	92.00
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	769.11	101.88
		For Cement Mortar Lining (CML), Add	*61.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	985.08	119.52
		For Cement Mortar Lining (CML), Add	*80.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,698.74	134.02
		For Cement Mortar Lining (CML), Add	*149.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*269.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,601.20	153.16
		For Cement Mortar Lining (CML), Add	*236.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*426.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*177.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,016.36	214.42
		For Cement Mortar Lining (CML), Add	*269.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*484.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*201.86*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,100.36	268.03
		For Cement Mortar Lining (CML), Add	*369.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*664.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,979.23	356.91
		For Cement Mortar Lining (CML), Add	*443.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*798.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*332.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,320.10	382.90
		For Cement Mortar Lining (CML), Add	*874.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,573.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*655.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	16,708.26	397.51
		For Cement Mortar Lining (CML), Add	*1,610.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,899.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,207.95*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	182.76	43.92
		For Cement Mortar Lining (CML), Add	*11.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	199.48	52.49
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	321.75	77.56
		For Cement Mortar Lining (CML), Add	*20.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	467.47	92.00
		For Cement Mortar Lining (CML), Add	*32.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	641.65	101.88
		For Cement Mortar Lining (CML), Add	*48.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*87.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	874.50	119.52
		For Cement Mortar Lining (CML), Add	*69.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*124.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,501.93	134.02
		For Cement Mortar Lining (CML), Add	*129.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,291.94	153.16
		For Cement Mortar Lining (CML), Add	*205.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*370.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*154.49*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,703.35	214.42
		For Cement Mortar Lining (CML), Add	*237.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*428.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,511.83	268.03
		For Cement Mortar Lining (CML), Add	*310.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*559.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,411.31	356.91
		For Cement Mortar Lining (CML), Add	*387.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*696.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*290.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	8,182.39	382.90
		For Cement Mortar Lining (CML), Add	*760.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,368.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*570.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	14,614.65	397.51
		For Cement Mortar Lining (CML), Add	*1,401.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,522.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,050.93*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0111 Mechanical Joint Ductile Iron Tee *(33 14 13 13-0002)*

33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	317.25	65.90
		For Cement Mortar Lining (CML), Add	*21.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	329.00	73.64
		For Cement Mortar Lining (CML), Add	*21.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	299.26	77.56
		For Cement Mortar Lining (CML), Add	*18.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	399.19	97.70
		For Cement Mortar Lining (CML), Add	*25.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	459.65	101.74
		For Cement Mortar Lining (CML), Add	*30.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	500.50	113.90
		For Cement Mortar Lining (CML), Add	*32.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	532.88	117.90
		For Cement Mortar Lining (CML), Add	*35.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.57*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	605.58	130.01
		For Cement Mortar Lining (CML), Add	*40.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	702.18	138.13
		For Cement Mortar Lining (CML), Add	*49.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*88.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	735.38	126.61
		For Cement Mortar Lining (CML), Add	*54.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	735.91	138.10
		For Cement Mortar Lining (CML), Add	*52.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	837.50	145.76
		For Cement Mortar Lining (CML), Add	*61.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	936.80	153.16
		For Cement Mortar Lining (CML), Add	*70.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	880.42	141.92
		For Cement Mortar Lining (CML), Add	*66.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*119.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	1,000.90	153.40
		For Cement Mortar Lining (CML), Add	*76.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*138.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	1,231.81	161.08
		For Cement Mortar Lining (CML), Add	*98.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	1,319.86	168.48
		For Cement Mortar Lining (CML), Add	*106.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	1,250.88	176.13
		For Cement Mortar Lining (CML), Add	*98.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	1,335.45	178.76
		For Cement Mortar Lining (CML), Add	*106.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	1,487.64	186.42
		For Cement Mortar Lining (CML), Add	*120.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.39*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	1,903.69	193.82
		For Cement Mortar Lining (CML), Add	*161.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	2,035.26	201.47
		For Cement Mortar Lining (CML), Add	*173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*311.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	1,962.63	214.19
		For Cement Mortar Lining (CML), Add	*163.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*294.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*122.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	1,698.65	214.41
		For Cement Mortar Lining (CML), Add	*137.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*247.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,828.45	222.08
		For Cement Mortar Lining (CML), Add	*149.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*268.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*111.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	2,132.04	229.48
		For Cement Mortar Lining (CML), Add	*178.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*133.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	2,334.82	237.13
		For Cement Mortar Lining (CML), Add	*197.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*355.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	2,813.24	249.82
		For Cement Mortar Lining (CML), Add	*243.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*438.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*182.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	2,656.57	267.68
		For Cement Mortar Lining (CML), Add	*225.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*405.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*168.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	2,361.30	274.41
		For Cement Mortar Lining (CML), Add	*194.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*350.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	2,534.13	282.07
		For Cement Mortar Lining (CML), Add	*210.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*379.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	2,744.00	289.48
		For Cement Mortar Lining (CML), Add	*230.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*414.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	2,952.41	297.13
		For Cement Mortar Lining (CML), Add	*250.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.67*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	3,037.22	309.80
		For Cement Mortar Lining (CML), Add	*256.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*462.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*192.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	3,242.29	327.63
		For Cement Mortar Lining (CML), Add	*274.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*494.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*205.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	3,799.43	357.60
		For Cement Mortar Lining (CML), Add	*325.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*586.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*244.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	2,785.42	393.50
		For Cement Mortar Lining (CML), Add	*218.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*394.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	2,845.78	401.17
		For Cement Mortar Lining (CML), Add	*223.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*402.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*167.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	3,102.51	408.56
		For Cement Mortar Lining (CML), Add	*248.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*447.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	3,357.78	416.23
		For Cement Mortar Lining (CML), Add	*272.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*490.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*204.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	3,397.60	428.89
		For Cement Mortar Lining (CML), Add	*274.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*494.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*206.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	3,447.10	446.73
		For Cement Mortar Lining (CML), Add	*277.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*498.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*207.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	4,339.74	476.72
		For Cement Mortar Lining (CML), Add	*361.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*651.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	3,815.19	536.29
		For Cement Mortar Lining (CML), Add	*300.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*540.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	3,409.53	512.23
		For Cement Mortar Lining (CML), Add	*263.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*474.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*197.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	3,454.88	520.62
		For Cement Mortar Lining (CML), Add	*266.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*480.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.04*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	3,810.96	527.30
		For Cement Mortar Lining (CML), Add	*301.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*542.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	3,906.91	534.95
		For Cement Mortar Lining (CML), Add	*309.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*557.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	4,402.18	547.63
		For Cement Mortar Lining (CML), Add	*357.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*643.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	4,757.21	565.45
		For Cement Mortar Lining (CML), Add	*390.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*702.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*292.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	5,409.94	595.46
		For Cement Mortar Lining (CML), Add	*450.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*811.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*338.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	5,996.86	654.99
		For Cement Mortar Lining (CML), Add	*500.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*900.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*375.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	5,539.50	714.40
		For Cement Mortar Lining (CML), Add	*445.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*802.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*334.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	5,944.35	604.27
		For Cement Mortar Lining (CML), Add	*502.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*905.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*377.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	6,264.83	611.66
		For Cement Mortar Lining (CML), Add	*533.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*960.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*400.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	6,585.70	619.31
		For Cement Mortar Lining (CML), Add	*564.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,016.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*423.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	7,043.48	632.00
		For Cement Mortar Lining (CML), Add	*608.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,095.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*456.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	7,539.08	840.86
		For Cement Mortar Lining (CML), Add	*655.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,179.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*491.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	7,741.97	679.82
		For Cement Mortar Lining (CML), Add	*671.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,208.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*503.40*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	8,051.50	739.38
		For Cement Mortar Lining (CML), Add	*693.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,247.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*519.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	8,458.20	798.74
		For Cement Mortar Lining (CML), Add	*724.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,304.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*543.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	10,617.61	840.86
		For Cement Mortar Lining (CML), Add	*934.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,681.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*700.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	6,217.64	596.60
		For Cement Mortar Lining (CML), Add	*531.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*956.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*398.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	7,272.13	670.33
		For Cement Mortar Lining (CML), Add	*625.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,126.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*469.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	8,096.81	677.73
		For Cement Mortar Lining (CML), Add	*706.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,272.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*530.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	8,543.25	685.38
		For Cement Mortar Lining (CML), Add	*750.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,350.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*562.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	8,864.20	698.06
		For Cement Mortar Lining (CML), Add	*780.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,405.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*585.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	9,189.24	715.89
		For Cement Mortar Lining (CML), Add	*810.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,458.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*607.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	9,811.98	745.89
		For Cement Mortar Lining (CML), Add	*868.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,562.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*651.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	10,481.38	805.43
		For Cement Mortar Lining (CML), Add	*926.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	11,598.43	864.79
		For Cement Mortar Lining (CML), Add	*1,028.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,851.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*771.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	12,826.32	940.07
		For Cement Mortar Lining (CML), Add	*1,145.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,061.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*858.91*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	14,984.97	940.07
		For Cement Mortar Lining (CML), Add	*1,356.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,440.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,017.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	16,868.70	722.30
		For Cement Mortar Lining (CML), Add	*1,577.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,839.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,183.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	17,206.53	734.99
		For Cement Mortar Lining (CML), Add	*1,609.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,896.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,206.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	19,128.48	752.82
		For Cement Mortar Lining (CML), Add	*1,798.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,237.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,349.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	17,880.64	782.81
		For Cement Mortar Lining (CML), Add	*1,669.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,005.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,252.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	17,970.87	842.36
		For Cement Mortar Lining (CML), Add	*1,669.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,005.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,252.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	18,366.33	901.72
		For Cement Mortar Lining (CML), Add	*1,700.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,060.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,275.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	22,283.85	943.91
		For Cement Mortar Lining (CML), Add	*2,085.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,753.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,564.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	23,209.20	976.95
		For Cement Mortar Lining (CML), Add	*2,172.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,911.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,629.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	24,554.82	995.42
		For Cement Mortar Lining (CML), Add	*2,304.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,148.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,728.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	19,879.91	781.16
		For Cement Mortar Lining (CML), Add	*1,869.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,365.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,402.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	20,236.49	793.83
		For Cement Mortar Lining (CML), Add	*1,903.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,426.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,427.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	20,741.46	811.66
		For Cement Mortar Lining (CML), Add	*1,951.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,512.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,463.38*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	21,262.98	841.66
		For Cement Mortar Lining (CML), Add	*1,998.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,597.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,499.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	21,831.16	901.20
		For Cement Mortar Lining (CML), Add	*2,046.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,683.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,534.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	21,984.84	960.57
		For Cement Mortar Lining (CML), Add	*2,052.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,695.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,539.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	26,770.17	1,002.75
		For Cement Mortar Lining (CML), Add	*2,525.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,545.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,893.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	30,531.36	1,035.78
		For Cement Mortar Lining (CML), Add	*2,896.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,213.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,172.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	32,028.80	1,054.24
		For Cement Mortar Lining (CML), Add	*3,043.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,477.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,282.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	32,562.59	1,083.72
		For Cement Mortar Lining (CML), Add	*3,092.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,565.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,319.05*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0002)*

33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	270.90	73.64
		For Cement Mortar Lining (CML), Add	*15.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	415.47	77.52
		For Cement Mortar Lining (CML), Add	*29.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	399.19	97.70
		For Cement Mortar Lining (CML), Add	*25.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	461.53	101.74
		For Cement Mortar Lining (CML), Add	*30.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	622.33	113.84
		For Cement Mortar Lining (CML), Add	*44.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.74*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	799.03	117.90
		For Cement Mortar Lining (CML), Add	*62.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	716.17	130.01
		For Cement Mortar Lining (CML), Add	*51.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	865.24	138.08
		For Cement Mortar Lining (CML), Add	*65.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*118.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,235.83	126.61
		For Cement Mortar Lining (CML), Add	*104.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*187.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,307.58	138.10
		For Cement Mortar Lining (CML), Add	*109.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*197.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,502.88	145.76
		For Cement Mortar Lining (CML), Add	*128.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*230.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,692.16	153.16
		For Cement Mortar Lining (CML), Add	*146.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*262.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*109.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,577.67	141.92
		For Cement Mortar Lining (CML), Add	*136.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*245.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,784.37	153.40
		For Cement Mortar Lining (CML), Add	*155.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*279.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*116.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,150.22	161.08
		For Cement Mortar Lining (CML), Add	*190.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*343.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,212.04	168.48
		For Cement Mortar Lining (CML), Add	*195.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,004.35	176.12
		For Cement Mortar Lining (CML), Add	*173.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*312.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*130.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,362.58	178.76
		For Cement Mortar Lining (CML), Add	*209.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*376.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.88*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,704.07	186.42
		For Cement Mortar Lining (CML), Add	*242.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*435.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,530.60	193.82
		For Cement Mortar Lining (CML), Add	*323.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*582.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*242.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,782.12	201.47
		For Cement Mortar Lining (CML), Add	*347.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*625.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*260.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,696.36	214.15
		For Cement Mortar Lining (CML), Add	*337.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*606.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*252.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,427.86	214.41
		For Cement Mortar Lining (CML), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,671.89	222.08
		For Cement Mortar Lining (CML), Add	*233.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*420.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*175.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,149.80	229.48
		For Cement Mortar Lining (CML), Add	*280.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*504.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*210.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,523.14	237.13
		For Cement Mortar Lining (CML), Add	*316.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*569.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*237.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,408.29	249.82
		For Cement Mortar Lining (CML), Add	*402.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,251.62	267.63
		For Cement Mortar Lining (CML), Add	*384.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*692.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*288.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,821.40	274.41
		For Cement Mortar Lining (CML), Add	*340.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*613.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,114.18	282.07
		For Cement Mortar Lining (CML), Add	*368.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*663.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*276.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,397.15	289.48
		For Cement Mortar Lining (CML), Add	*395.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*712.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*296.89*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,704.90	297.13
		For Cement Mortar Lining (CML), Add	*425.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*765.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*319.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,757.84	309.80
		For Cement Mortar Lining (CML), Add	*428.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*771.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*321.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,807.35	327.63
		For Cement Mortar Lining (CML), Add	*431.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*775.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*323.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,399.21	357.62
		For Cement Mortar Lining (CML), Add	*385.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*694.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*289.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,536.03	393.50
		For Cement Mortar Lining (CML), Add	*393.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*709.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*295.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,635.75	401.17
		For Cement Mortar Lining (CML), Add	*402.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,089.29	408.56
		For Cement Mortar Lining (CML), Add	*447.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*804.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*335.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,539.48	416.23
		For Cement Mortar Lining (CML), Add	*490.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*883.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,596.18	428.89
		For Cement Mortar Lining (CML), Add	*494.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*890.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*370.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,662.55	446.73
		For Cement Mortar Lining (CML), Add	*498.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*897.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*373.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,558.93	476.72
		For Cement Mortar Lining (CML), Add	*583.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,050.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*437.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,218.07	536.27
		For Cement Mortar Lining (CML), Add	*540.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*973.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*405.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,516.27	512.23
		For Cement Mortar Lining (CML), Add	*474.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*853.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*355.51*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,587.85	519.90
		For Cement Mortar Lining (CML), Add	*480.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*864.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*360.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,219.46	527.30
		For Cement Mortar Lining (CML), Add	*542.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*975.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*406.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,508.46	534.95
		For Cement Mortar Lining (CML), Add	*569.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,025.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*427.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,509.81	547.63
		For Cement Mortar Lining (CML), Add	*668.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,202.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*501.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,340.91	565.45
		For Cement Mortar Lining (CML), Add	*748.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,347.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*561.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,331.02	595.46
		For Cement Mortar Lining (CML), Add	*842.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,517.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*632.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,251.57	654.99
		For Cement Mortar Lining (CML), Add	*925.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,104.46	714.36
		For Cement Mortar Lining (CML), Add	*802.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,443.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*601.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,360.77	596.60
		For Cement Mortar Lining (CML), Add	*1,045.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,882.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*784.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	12,733.14	604.27
		For Cement Mortar Lining (CML), Add	*1,181.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,127.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*886.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	13,471.59	611.66
		For Cement Mortar Lining (CML), Add	*1,254.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,258.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*940.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	14,210.43	619.31
		For Cement Mortar Lining (CML), Add	*1,327.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,388.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*995.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	15,258.62	632.00
		For Cement Mortar Lining (CML), Add	*1,430.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,574.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,072.58*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	16,387.74	649.83
		For Cement Mortar Lining (CML), Add	*1,540.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,772.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,155.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	16,802.43	679.82
		For Cement Mortar Lining (CML), Add	*1,577.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,839.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,182.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	17,408.10	739.38
		For Cement Mortar Lining (CML), Add	*1,628.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,931.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,221.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	18,242.15	798.74
		For Cement Mortar Lining (CML), Add	*1,703.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,065.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,277.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	19,769.91	840.93
		For Cement Mortar Lining (CML), Add	*1,849.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,329.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,387.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	21,676.61	685.38
		For Cement Mortar Lining (CML), Add	*2,063.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,714.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,547.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	22,526.12	698.06
		For Cement Mortar Lining (CML), Add	*2,146.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,864.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,610.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	23,372.22	715.89
		For Cement Mortar Lining (CML), Add	*2,228.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,011.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,671.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	25,005.22	745.89
		For Cement Mortar Lining (CML), Add	*2,387.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,297.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,790.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	26,688.62	805.43
		For Cement Mortar Lining (CML), Add	*2,546.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,584.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,910.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	29,603.15	864.79
		For Cement Mortar Lining (CML), Add	*2,829.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,092.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,121.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	33,158.94	906.98
		For Cement Mortar Lining (CML), Add	*3,178.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,721.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,383.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	39,564.81	940.02
		For Cement Mortar Lining (CML), Add	*3,814.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,865.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,860.54*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	34,815.38	842.36
		For Cement Mortar Lining (CML), Add	*3,353.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,037.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,515.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	35,686.92	901.72
		For Cement Mortar Lining (CML), Add	*3,432.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,177.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,574.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	38,119.98	943.91
		For Cement Mortar Lining (CML), Add	*3,668.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,604.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,751.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	43,586.81	976.95
		For Cement Mortar Lining (CML), Add	*4,210.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,579.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,158.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	51,400.71	995.41
		For Cement Mortar Lining (CML), Add	*4,989.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,980.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,741.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	34,349.74	901.20
		For Cement Mortar Lining (CML), Add	*3,298.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,937.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,473.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	38,900.57	960.57
		For Cement Mortar Lining (CML), Add	*3,744.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,740.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,808.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	41,459.21	1,002.75
		For Cement Mortar Lining (CML), Add	*3,993.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,189.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,995.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	47,254.05	1,035.78
		For Cement Mortar Lining (CML), Add	*4,568.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,223.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,426.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	61,770.51	1,054.24
		For Cement Mortar Lining (CML), Add	*6,017.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10,831.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,512.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	67,812.91	1,083.67
		For Cement Mortar Lining (CML), Add	*6,617.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11,910.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,962.82*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0286 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

33 14 13 13-0287	EA	6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	551.10	113.90
		For Cement Mortar Lining (CML), Add	*37.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*68.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.40*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*28.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0288	EA	8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	654.31	130.01
		For Cement Mortar Lining (CML), Add	*45.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*82.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.30*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*34.30*	
33 14 13 13-0289	EA	10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	988.95	138.10
		For Cement Mortar Lining (CML), Add	*77.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*140.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.48*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*58.48*	
33 14 13 13-0290	EA	12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,111.49	153.40
		For Cement Mortar Lining (CML), Add	*87.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*158.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.93*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*65.93*	
33 14 13 13-0291	EA	14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,515.39	178.76
		For Cement Mortar Lining (CML), Add	*124.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*224.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.34*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*93.34*	
33 14 13 13-0292	EA	16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,934.91	214.41
		For Cement Mortar Lining (CML), Add	*161.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*120.75*	
33 14 13 13-0293	EA	18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,376.30	274.41
		For Cement Mortar Lining (CML), Add	*196.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*147.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*147.04*	
33 14 13 13-0294	EA	20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,330.84	393.50
		For Cement Mortar Lining (CML), Add	*273.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*492.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*205.10*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*205.10*	
33 14 13 13-0295	EA	24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,872.84	512.23
		For Cement Mortar Lining (CML), Add	*313.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*564.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*235.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*235.04*	
33 14 13 13-0296	EA	30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,559.65	596.60
		For Cement Mortar Lining (CML), Add	*665.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,198.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*499.18*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*499.18*	

33 14 13 13-0297 Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

33 14 13 13-0298	EA	6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	494.87	113.90
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*32.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.18*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*24.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0299	EA	8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	579.34	130.01
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*38.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*68.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.68*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*28.68*	
33 14 13 13-0300	EA	10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	824.01	138.10
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*61.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.11*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*46.11*	
33 14 13 13-0301	EA	12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,019.64	153.40
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*78.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*141.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*59.04*	
33 14 13 13-0302	EA	14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,282.97	178.76
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*101.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*75.91*	
33 14 13 13-0303	EA	16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,620.03	214.41
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*129.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.14*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*97.14*	
33 14 13 13-0304	EA	18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,093.28	274.41
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*167.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*301.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*125.81*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*125.81*	
33 14 13 13-0305	EA	20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,286.85	393.50
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*169.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*304.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.80*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*126.80*	
33 14 13 13-0306	EA	24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	3,173.72	512.23
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*243.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*438.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*182.61*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*182.61*	

33 14 13 13-0307 Mechanical Joint Ductile Iron Cross *(33 14 13 13-0002)*

33 14 13 13-0308	EA	3" x 3" Mechanical Joint Ductile Iron Cross	374.90	87.85
		For Cement Mortar Lining (CML), Add	*24.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	4" x 3" Mechanical Joint Ductile Iron Cross	454.12	95.59
		For Cement Mortar Lining (CML), Add	*30.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.19*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0310	EA	4" x 4" Mechanical Joint Ductile Iron Cross	538.55	96.89
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	6" x 3" Mechanical Joint Ductile Iron Cross	642.63	119.77
		For Cement Mortar Lining (CML), Add	*46.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*82.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	6" x 4" Mechanical Joint Ductile Iron Cross	623.08	129.19
		For Cement Mortar Lining (CML), Add	*42.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*76.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	6" x 6" Mechanical Joint Ductile Iron Cross	724.52	161.49
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	8" x 4" Mechanical Joint Ductile Iron Cross	639.59	141.32
		For Cement Mortar Lining (CML), Add	*42.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*76.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	8" x 6" Mechanical Joint Ductile Iron Cross	759.74	173.62
		For Cement Mortar Lining (CML), Add	*49.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	8" x 8" Mechanical Joint Ductile Iron Cross	804.36	185.71
		For Cement Mortar Lining (CML), Add	*52.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	10" x 4" Mechanical Joint Ductile Iron Cross	779.15	148.08
		For Cement Mortar Lining (CML), Add	*55.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	10" x 6" Mechanical Joint Ductile Iron Cross	893.03	178.71
		For Cement Mortar Lining (CML), Add	*62.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*112.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	10" x 8" Mechanical Joint Ductile Iron Cross	1,060.40	190.20
		For Cement Mortar Lining (CML), Add	*77.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*139.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,147.28	204.21
		For Cement Mortar Lining (CML), Add	*83.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*150.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	12 x 4" Mechanical Joint Ductile Iron Cross	944.66	160.81
		For Cement Mortar Lining (CML), Add	*70.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,097.90	191.44
		For Cement Mortar Lining (CML), Add	*80.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*145.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.59*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0323	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,582.03	202.95
		For Cement Mortar Lining (CML), Add	*127.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*229.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,603.32	217.00
		For Cement Mortar Lining (CML), Add	*127.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*229.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,819.43	229.74
		For Cement Mortar Lining (CML), Add	*147.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*264.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,863.51	210.59
		For Cement Mortar Lining (CML), Add	*154.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*278.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,192.07	222.08
		For Cement Mortar Lining (CML), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*334.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,250.84	236.13
		For Cement Mortar Lining (CML), Add	*189.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*340.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*141.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	14" x 12" Mechanical Joint Ductile Iron Cross	2,375.11	248.87
		For Cement Mortar Lining (CML), Add	*199.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*359.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	14" x 14" Mechanical Joint Ductile Iron Cross	2,627.15	268.03
		For Cement Mortar Lining (CML), Add	*222.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*399.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*166.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331	EA	16" x 6" Mechanical Joint Ductile Iron Cross	2,130.89	237.37
		For Cement Mortar Lining (CML), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	16" x 8" Mechanical Joint Ductile Iron Cross	2,423.83	248.87
		For Cement Mortar Lining (CML), Add	*204.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*368.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	16" x 10" Mechanical Joint Ductile Iron Cross	2,899.79	262.91
		For Cement Mortar Lining (CML), Add	*250.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	16" x 12" Mechanical Joint Ductile Iron Cross	3,231.02	275.67
		For Cement Mortar Lining (CML), Add	*281.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*506.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	16" x 14" Mechanical Joint Ductile Iron Cross	3,901.04	294.80
		For Cement Mortar Lining (CML), Add	*345.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*621.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*259.08*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0336	EA	16" x 16" Mechanical Joint Ductile Iron Cross	4,565.76	321.64
		For Cement Mortar Lining (CML), Add	*407.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*734.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	18" x 6" Mechanical Joint Ductile Iron Cross	3,519.77	280.69
		For Cement Mortar Lining (CML), Add	*309.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*557.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	18" x 8" Mechanical Joint Ductile Iron Cross	3,720.89	292.18
		For Cement Mortar Lining (CML), Add	*327.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*590.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*245.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	18" x 10" Mechanical Joint Ductile Iron Cross	3,895.86	306.22
		For Cement Mortar Lining (CML), Add	*343.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*617.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*257.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	18" x 12" Mechanical Joint Ductile Iron Cross	4,222.55	318.98
		For Cement Mortar Lining (CML), Add	*373.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*673.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*280.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	18" x 14" Mechanical Joint Ductile Iron Cross	4,924.43	338.11
		For Cement Mortar Lining (CML), Add	*441.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*794.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*330.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,242.42	364.89
		For Cement Mortar Lining (CML), Add	*468.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*844.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*351.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,491.72	408.19
		For Cement Mortar Lining (CML), Add	*487.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*877.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*365.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,424.70	352.17
		For Cement Mortar Lining (CML), Add	*389.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*700.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,627.67	363.67
		For Cement Mortar Lining (CML), Add	*407.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	20" x 10" Mechanical Joint Ductile Iron Cross	4,770.78	377.72
		For Cement Mortar Lining (CML), Add	*419.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*755.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*314.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	20" x 12" Mechanical Joint Ductile Iron Cross	5,095.61	390.46
		For Cement Mortar Lining (CML), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*810.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*337.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	20" x 14" Mechanical Joint Ductile Iron Cross	5,186.45	409.61
		For Cement Mortar Lining (CML), Add	*456.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*821.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*342.44*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0349	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,269.16	436.39
		For Cement Mortar Lining (CML), Add	*560.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,009.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*420.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,518.47	479.70
		For Cement Mortar Lining (CML), Add	*579.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,042.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*434.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	20" x 20" Mechanical Joint Ductile Iron Cross	7,056.02	551.15
		For Cement Mortar Lining (CML), Add	*622.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,119.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*466.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	24" x 6" Mechanical Joint Ductile Iron Cross	6,029.94	440.56
		For Cement Mortar Lining (CML), Add	*536.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*965.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*402.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	24" x 8" Mechanical Joint Ductile Iron Cross	6,171.40	452.05
		For Cement Mortar Lining (CML), Add	*548.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*987.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*411.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	24" x 10" Mechanical Joint Ductile Iron Cross	6,406.02	466.09
		For Cement Mortar Lining (CML), Add	*569.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,025.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*427.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	24" x 12" Mechanical Joint Ductile Iron Cross	6,609.02	478.84
		For Cement Mortar Lining (CML), Add	*588.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,059.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*441.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	24" x 14" Mechanical Joint Ductile Iron Cross	6,729.84	497.97
		For Cement Mortar Lining (CML), Add	*597.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,075.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*448.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	24" x 16" Mechanical Joint Ductile Iron Cross	6,985.97	524.77
		For Cement Mortar Lining (CML), Add	*619.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,114.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*464.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	24" x 18" Mechanical Joint Ductile Iron Cross	9,227.68	568.07
		For Cement Mortar Lining (CML), Add	*836.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,506.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*627.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	24" x 20" Mechanical Joint Ductile Iron Cross	9,733.36	639.57
		For Cement Mortar Lining (CML), Add	*876.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,577.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*657.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	24" x 24" Mechanical Joint Ductile Iron Cross	10,725.70	727.97
		For Cement Mortar Lining (CML), Add	*962.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,732.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*721.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	30" x 8" Mechanical Joint Ductile Iron Cross	11,516.82	585.78
		For Cement Mortar Lining (CML), Add	*1,062.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,913.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*797.20*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0362	EA	30" x 10" Mechanical Joint Ductile Iron Cross	11,746.14	599.83
		For Cement Mortar Lining (CML), Add	*1,083.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,950.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*812.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	30" x 12" Mechanical Joint Ductile Iron Cross	11,971.63	612.56
		For Cement Mortar Lining (CML), Add	*1,104.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,987.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*828.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	30" x 14" Mechanical Joint Ductile Iron Cross	12,238.65	631.72
		For Cement Mortar Lining (CML), Add	*1,128.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,030.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*846.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	30" x 16" Mechanical Joint Ductile Iron Cross	12,545.41	658.49
		For Cement Mortar Lining (CML), Add	*1,154.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,078.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*866.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	30" x 18" Mechanical Joint Ductile Iron Cross	12,907.18	701.81
		For Cement Mortar Lining (CML), Add	*1,184.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,131.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*888.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	30" x 20" Mechanical Joint Ductile Iron Cross	13,369.74	773.30
		For Cement Mortar Lining (CML), Add	*1,219.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,195.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*914.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	30" x 24" Mechanical Joint Ductile Iron Cross	17,179.19	861.67
		For Cement Mortar Lining (CML), Add	*1,587.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,857.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,190.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	30" x 30" Mechanical Joint Ductile Iron Cross	19,754.69	995.42
		For Cement Mortar Lining (CML), Add	*1,824.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,284.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,368.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	36" x 8" Mechanical Joint Ductile Iron Cross	16,063.64	635.08
		For Cement Mortar Lining (CML), Add	*1,510.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,718.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,132.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	36" x 10" Mechanical Joint Ductile Iron Cross	16,291.08	649.11
		For Cement Mortar Lining (CML), Add	*1,530.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,755.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,148.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	36" x 12" Mechanical Joint Ductile Iron Cross	16,486.59	661.87
		For Cement Mortar Lining (CML), Add	*1,548.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,787.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,161.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	36" x 14" Mechanical Joint Ductile Iron Cross	16,721.74	681.00
		For Cement Mortar Lining (CML), Add	*1,568.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,824.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,176.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	36" x 16" Mechanical Joint Ductile Iron Cross	16,998.51	707.79
		For Cement Mortar Lining (CML), Add	*1,592.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,866.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,194.46*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0375	EA	36" x 18" Mechanical Joint Ductile Iron Cross	17,328.41	751.09
		For Cement Mortar Lining (CML), Add	*1,619.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,914.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,214.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	36" x 20" Mechanical Joint Ductile Iron Cross	17,760.99	822.59
		For Cement Mortar Lining (CML), Add	*1,651.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,972.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,238.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	36" x 24" Mechanical Joint Ductile Iron Cross	18,513.42	910.97
		For Cement Mortar Lining (CML), Add	*1,713.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,083.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,284.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378	EA	36" x 30" Mechanical Joint Ductile Iron Cross	24,927.53	1,044.70
		For Cement Mortar Lining (CML), Add	*2,334.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,202.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,750.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0379	EA	36" x 36" Mechanical Joint Ductile Iron Cross	27,386.36	1,094.04
		For Cement Mortar Lining (CML), Add	*2,572.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,631.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,929.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	42" x 12" Mechanical Joint Ductile Iron Cross	21,552.96	690.36
		For Cement Mortar Lining (CML), Add	*2,050.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,691.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,538.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	42" x 14" Mechanical Joint Ductile Iron Cross	24,366.71	709.51
		For Cement Mortar Lining (CML), Add	*2,329.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,192.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,746.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	42" x 16" Mechanical Joint Ductile Iron Cross	22,044.25	736.29
		For Cement Mortar Lining (CML), Add	*2,092.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,767.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,569.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	42" x 18" Mechanical Joint Ductile Iron Cross	22,336.66	779.60
		For Cement Mortar Lining (CML), Add	*2,115.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,807.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,586.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	42" x 20" Mechanical Joint Ductile Iron Cross	22,754.26	851.10
		For Cement Mortar Lining (CML), Add	*2,146.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,863.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,609.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	42" x 24" Mechanical Joint Ductile Iron Cross	23,452.32	939.47
		For Cement Mortar Lining (CML), Add	*2,202.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,965.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,652.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	42" x 30" Mechanical Joint Ductile Iron Cross	30,020.13	1,073.21
		For Cement Mortar Lining (CML), Add	*2,839.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,110.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,129.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	42" x 36" Mechanical Joint Ductile Iron Cross	39,194.65	1,122.49
		For Cement Mortar Lining (CML), Add	*3,749.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,748.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,812.04*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0388	EA	42" x 42" Mechanical Joint Ductile Iron Cross	41,996.84	1,151.01
		For Cement Mortar Lining (CML), Add	*4,025.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,245.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,018.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	48" x 12" Mechanical Joint Ductile Iron Cross	29,133.59	803.52
		For Cement Mortar Lining (CML), Add	*2,791.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,024.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,093.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	48" x 14" Mechanical Joint Ductile Iron Cross	29,331.28	822.68
		For Cement Mortar Lining (CML), Add	*2,808.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,055.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,106.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	48" x 16" Mechanical Joint Ductile Iron Cross	29,596.79	849.45
		For Cement Mortar Lining (CML), Add	*2,830.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,095.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,123.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392	EA	48" x 18" Mechanical Joint Ductile Iron Cross	29,887.32	892.77
		For Cement Mortar Lining (CML), Add	*2,853.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,136.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,140.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	48" x 20" Mechanical Joint Ductile Iron Cross	30,278.68	964.26
		For Cement Mortar Lining (CML), Add	*2,881.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,187.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,161.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	48" x 24" Mechanical Joint Ductile Iron Cross	30,946.76	1,052.63
		For Cement Mortar Lining (CML), Add	*2,935.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,283.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,201.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	48" x 30" Mechanical Joint Ductile Iron Cross	32,755.67	1,186.37
		For Cement Mortar Lining (CML), Add	*3,095.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,572.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,321.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	48" x 36" Mechanical Joint Ductile Iron Cross	40,125.22	1,235.66
		For Cement Mortar Lining (CML), Add	*3,825.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,885.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,868.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	48" x 42" Mechanical Joint Ductile Iron Cross	51,577.38	1,264.17
		For Cement Mortar Lining (CML), Add	*4,966.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,939.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,724.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	48" x 48" Mechanical Joint Ductile Iron Cross	54,931.44	1,377.28
		For Cement Mortar Lining (CML), Add	*5,284.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,512.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,963.34*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0399 Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0002)*

33 14 13 13-0400	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	181.13	47.80
		For Cement Mortar Lining (CML), Add	*10.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.15*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0401	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	210.74	59.91
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	227.85	63.79
		For Cement Mortar Lining (CML), Add	*13.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	288.94	71.87
		For Cement Mortar Lining (CML), Add	*17.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	318.41	83.97
		For Cement Mortar Lining (CML), Add	*19.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	348.78	75.56
		For Cement Mortar Lining (CML), Add	*23.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	379.28	87.05
		For Cement Mortar Lining (CML), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	415.28	94.70
		For Cement Mortar Lining (CML), Add	*27.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	422.22	83.22
		For Cement Mortar Lining (CML), Add	*29.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	469.61	94.70
		For Cement Mortar Lining (CML), Add	*32.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	490.60	102.36
		For Cement Mortar Lining (CML), Add	*33.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	537.43	109.76
		For Cement Mortar Lining (CML), Add	*37.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	886.17	107.38
		For Cement Mortar Lining (CML), Add	*72.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	860.30	115.04
		For Cement Mortar Lining (CML), Add	*68.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.45*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0414	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	770.30	122.43
		For Cement Mortar Lining (CML), Add	*58.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	810.01	130.09
		For Cement Mortar Lining (CML), Add	*61.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,040.64	125.20
		For Cement Mortar Lining (CML), Add	*85.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,020.39	132.86
		For Cement Mortar Lining (CML), Add	*81.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*147.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,001.61	140.26
		For Cement Mortar Lining (CML), Add	*78.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*142.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,086.31	147.93
		For Cement Mortar Lining (CML), Add	*86.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*155.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,208.60	160.59
		For Cement Mortar Lining (CML), Add	*96.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*173.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,298.25	162.86
		For Cement Mortar Lining (CML), Add	*105.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*189.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,455.65	170.26
		For Cement Mortar Lining (CML), Add	*119.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*215.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,403.53	177.92
		For Cement Mortar Lining (CML), Add	*113.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*204.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,488.33	190.59
		For Cement Mortar Lining (CML), Add	*119.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*215.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,567.84	208.42
		For Cement Mortar Lining (CML), Add	*125.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,832.70	222.42
		For Cement Mortar Lining (CML), Add	*149.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*269.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.18*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0427	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,757.68	229.81
		For Cement Mortar Lining (CML), Add	*140.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,621.22	237.47
		For Cement Mortar Lining (CML), Add	*126.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*227.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,631.05	250.14
		For Cement Mortar Lining (CML), Add	*125.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,684.30	267.97
		For Cement Mortar Lining (CML), Add	*127.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*230.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,020.26	297.96
		For Cement Mortar Lining (CML), Add	*156.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,382.16	296.83
		For Cement Mortar Lining (CML), Add	*193.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*347.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,450.11	309.51
		For Cement Mortar Lining (CML), Add	*198.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*356.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,503.36	327.33
		For Cement Mortar Lining (CML), Add	*200.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,460.70	357.33
		For Cement Mortar Lining (CML), Add	*191.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*345.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*143.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,008.27	416.89
		For Cement Mortar Lining (CML), Add	*237.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*427.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,917.67	369.52
		For Cement Mortar Lining (CML), Add	*435.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*784.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*326.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,135.56	399.51
		For Cement Mortar Lining (CML), Add	*453.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*815.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*339.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,974.62	459.06
		For Cement Mortar Lining (CML), Add	*427.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*770.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.93*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0440	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,860.26	518.44
		For Cement Mortar Lining (CML), Add	*407.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,375.06	492.09
		For Cement Mortar Lining (CML), Add	*662.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,193.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*497.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,098.63	551.45
		For Cement Mortar Lining (CML), Add	*526.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*947.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*394.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,623.64	593.64
		For Cement Mortar Lining (CML), Add	*572.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,030.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*429.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,589.65	421.01
		For Cement Mortar Lining (CML), Add	*895.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,611.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*671.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,552.63	451.00
		For Cement Mortar Lining (CML), Add	*886.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,596.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*665.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,612.86	510.55
		For Cement Mortar Lining (CML), Add	*883.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,591.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*662.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,728.06	569.93
		For Cement Mortar Lining (CML), Add	*986.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,775.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*739.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,846.44	612.10
		For Cement Mortar Lining (CML), Add	*791.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,425.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*593.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,260.10	645.14
		For Cement Mortar Lining (CML), Add	*828.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,490.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*621.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,921.78	450.44
		For Cement Mortar Lining (CML), Add	*1,223.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,203.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*917.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,528.64	480.44
		For Cement Mortar Lining (CML), Add	*1,180.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,124.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*885.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,944.11	539.97
		For Cement Mortar Lining (CML), Add	*1,112.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,002.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*834.45*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0453	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,317.09	599.34
		For Cement Mortar Lining (CML), Add	*1,140.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,053.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*855.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,718.27	641.52
		For Cement Mortar Lining (CML), Add	*1,374.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,474.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,030.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,892.13	674.56
		For Cement Mortar Lining (CML), Add	*1,187.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,136.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*890.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,153.40	693.02
		For Cement Mortar Lining (CML), Add	*1,310.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,358.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*982.75*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0457 Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*

33 14 13 13-0458	EA	3" Mechanical Joint Ductile Iron Caps	201.66	100.94
		For Cement Mortar Lining (CML), Add	*4.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	4" Mechanical Joint Ductile Iron Caps	230.04	118.43
		For Cement Mortar Lining (CML), Add	*5.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	6" Mechanical Joint Ductile Iron Caps	314.26	148.03
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	8" Mechanical Joint Ductile Iron Caps	406.28	169.20
		For Cement Mortar Lining (CML), Add	*15.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA	10" Mechanical Joint Ductile Iron Caps	576.08	255.27
		For Cement Mortar Lining (CML), Add	*18.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	12" Mechanical Joint Ductile Iron Caps	704.94	278.47
		For Cement Mortar Lining (CML), Add	*28.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	14" Mechanical Joint Ductile Iron Caps	893.34	306.32
		For Cement Mortar Lining (CML), Add	*42.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	16" Mechanical Joint Ductile Iron Caps	1,091.11	340.32
		For Cement Mortar Lining (CML), Add	*57.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*103.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.16*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0466	EA	18" Mechanical Joint Ductile Iron Caps	1,283.02	382.90
		For Cement Mortar Lining (CML), Add	*70.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	20" Mechanical Joint Ductile Iron Caps	1,572.08	437.55
		For Cement Mortar Lining (CML), Add	*90.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*163.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0468	EA	24" Mechanical Joint Ductile Iron Caps	2,021.83	510.53
		For Cement Mortar Lining (CML), Add	*124.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*224.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0469	EA	30" Mechanical Joint Ductile Iron Caps	3,782.83	612.64
		For Cement Mortar Lining (CML), Add	*285.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*513.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	36" Mechanical Joint Ductile Iron Caps	6,352.17	765.80
		For Cement Mortar Lining (CML), Add	*519.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*934.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*389.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	42" Mechanical Joint Ductile Iron Caps	9,266.37	918.95
		For Cement Mortar Lining (CML), Add	*787.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,417.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*590.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	48" Mechanical Joint Ductile Iron Caps	11,034.87	1,021.06
		For Cement Mortar Lining (CML), Add	*948.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,707.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*711.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473		**Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0002)*		
33 14 13 13-0474	EA	3" Mechanical Joint Ductile Iron Plug	209.16	100.94
		For Cement Mortar Lining (CML), Add	*5.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	4" Mechanical Joint Ductile Iron Plug	241.28	118.43
		For Cement Mortar Lining (CML), Add	*6.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	6" Mechanical Joint Ductile Iron Plug	344.25	148.03
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	8" Mechanical Joint Ductile Iron Plug	436.26	169.20
		For Cement Mortar Lining (CML), Add	*17.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	10" Mechanical Joint Ductile Iron Plug	697.90	255.27
		For Cement Mortar Lining (CML), Add	*31.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.34*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0479	EA	12" Mechanical Joint Ductile Iron Plug	738.68	278.47
		For Cement Mortar Lining (CML), Add	*31.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	14" Mechanical Joint Ductile Iron Plug	1,108.89	306.32
		For Cement Mortar Lining (CML), Add	*64.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	16" Mechanical Joint Ductile Iron Plug	598.16	340.32
		For Cement Mortar Lining (CML), Add	*8.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	18" Mechanical Joint Ductile Iron Plug	1,603.53	382.90
		For Cement Mortar Lining (CML), Add	*102.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*184.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	20" Mechanical Joint Ductile Iron Plug	2,008.79	437.55
		For Cement Mortar Lining (CML), Add	*134.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*242.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484	EA	24" Mechanical Joint Ductile Iron Plug	2,640.35	510.53
		For Cement Mortar Lining (CML), Add	*186.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*336.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0485	EA	30" Mechanical Joint Ductile Iron Plug	4,633.77	612.64
		For Cement Mortar Lining (CML), Add	*370.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*667.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA	36" Mechanical Joint Ductile Iron Plug	6,884.47	765.80
		For Cement Mortar Lining (CML), Add	*572.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,030.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*429.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487	EA	42" Mechanical Joint Ductile Iron Plug	9,333.84	918.95
		For Cement Mortar Lining (CML), Add	*794.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,429.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*595.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488	EA	48" Mechanical Joint Ductile Iron Plug	12,133.22	1,021.06
		For Cement Mortar Lining (CML), Add	*1,058.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,905.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*793.96*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0489 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0002)*

33 14 13 13-0490	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	354.28	153.42
		For Cement Mortar Lining (CML), Add	*12.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	400.36	177.64
		For Cement Mortar Lining (CML), Add	*13.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.84*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0492	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	518.25	222.05
		For Cement Mortar Lining (CML), Add	*18.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	660.03	253.74
		For Cement Mortar Lining (CML), Add	*27.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,059.98	382.90
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,247.67	417.71
		For Cement Mortar Lining (CML), Add	*61.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,672.70	459.48
		For Cement Mortar Lining (CML), Add	*97.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,888.75	510.53
		For Cement Mortar Lining (CML), Add	*111.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,575.85	574.35
		For Cement Mortar Lining (CML), Add	*170.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*307.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*127.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,026.30	656.38
		For Cement Mortar Lining (CML), Add	*203.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*365.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0500	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,662.52	765.80
		For Cement Mortar Lining (CML), Add	*250.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0501	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,997.55	918.95
		For Cement Mortar Lining (CML), Add	*460.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*828.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*345.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0502	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,339.92	1,148.69
		For Cement Mortar Lining (CML), Add	*659.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,187.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*494.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0503	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,190.12	1,312.76
		For Cement Mortar Lining (CML), Add	*920.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,656.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*690.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0504	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	13,843.91	1,531.59
		For Cement Mortar Lining (CML), Add	*1,152.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,074.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*864.25*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0505		**Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0002)*		
33 14 13 13-0506	EA	3" Mechanical Joint Ductile Iron Long Sleeves	335.54	153.42
		For Cement Mortar Lining (CML), Add	*10.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0507	EA	4" Mechanical Joint Ductile Iron Long Sleeves	390.99	177.64
		For Cement Mortar Lining (CML), Add	*12.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0508	EA	6" Mechanical Joint Ductile Iron Long Sleeves	540.74	222.05
		For Cement Mortar Lining (CML), Add	*20.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0509	EA	8" Mechanical Joint Ductile Iron Long Sleeves	720.01	253.74
		For Cement Mortar Lining (CML), Add	*33.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0510	EA	10" Mechanical Joint Ductile Iron Long Sleeves	979.38	382.90
		For Cement Mortar Lining (CML), Add	*39.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0511	EA	12" Mechanical Joint Ductile Iron Long Sleeves	1,172.69	417.71
		For Cement Mortar Lining (CML), Add	*53.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0512	EA	14" Mechanical Joint Ductile Iron Long Sleeves	1,511.51	459.48
		For Cement Mortar Lining (CML), Add	*81.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0513	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,806.28	510.53
		For Cement Mortar Lining (CML), Add	*103.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*185.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0514	EA	18" Mechanical Joint Ductile Iron Long Sleeves	2,191.62	574.35
		For Cement Mortar Lining (CML), Add	*132.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*237.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*99.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0515	EA	20" Mechanical Joint Ductile Iron Long Sleeves	2,589.59	656.38
		For Cement Mortar Lining (CML), Add	*159.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*287.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*119.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0516	EA	24" Mechanical Joint Ductile Iron Long Sleeves	3,261.41	765.80
		For Cement Mortar Lining (CML), Add	*210.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0517	EA	30" Mechanical Joint Ductile Iron Long Sleeves	5,793.25	918.95
		For Cement Mortar Lining (CML), Add	*440.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*792.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*330.07*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0518	EA	36" Mechanical Joint Ductile Iron Long Sleeves	7,920.07	1,148.69
		For Cement Mortar Lining (CML), Add	*617.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,112.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*463.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0519	EA	42" Mechanical Joint Ductile Iron Long Sleeves	10,252.56	1,311.25
		For Cement Mortar Lining (CML), Add	*826.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,487.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*619.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0520	EA	48" Mechanical Joint Ductile Iron Long Sleeves	13,932.00	1,531.59
		For Cement Mortar Lining (CML), Add	*1,161.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,090.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*870.86*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0521 Mechanical Joint Ductile Iron Gland Packs *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.

33 14 13 13-0522 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0521)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0523	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	37.49
33 14 13 13-0524	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	34.14
33 14 13 13-0525	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	41.25
33 14 13 13-0526	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.36
33 14 13 13-0527	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	66.85
33 14 13 13-0528	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	71.12
33 14 13 13-0529	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	116.64
33 14 13 13-0530	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	123.75
33 14 13 13-0531	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	165.00
33 14 13 13-0532	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	213.36
33 14 13 13-0533	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	297.28
33 14 13 13-0534	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	709.78
33 14 13 13-0535	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,530.50
33 14 13 13-0536	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,234.59
33 14 13 13-0537	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	2,742.39

33 14 13 13-0538 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts *(33 14 13 13-0521)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0539	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	63.73
33 14 13 13-0540	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	48.36
33 14 13 13-0541	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	61.16
33 14 13 13-0542	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	66.85
33 14 13 13-0543	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	92.46
33 14 13 13-0544	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	96.72
33 14 13 13-0545	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	146.51
33 14 13 13-0546	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	160.73
33 14 13 13-0547	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	213.36
33 14 13 13-0548	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	275.95
33 14 13 13-0549	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	385.47

33 14 13 13-0550 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0521)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0551	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	41.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0552	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	36.98	
33 14 13 13-0553	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	44.09	
33 14 13 13-0554	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	52.63	
33 14 13 13-0555	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	72.54	
33 14 13 13-0556	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	76.81	
33 14 13 13-0557	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	126.59	
33 14 13 13-0558	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	133.71	
33 14 13 13-0559	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	180.64	
33 14 13 13-0560	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	231.85	
33 14 13 13-0561	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	324.31	
33 14 13 13-0562	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	776.63	
33 14 13 13-0563	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,721.10	
33 14 13 13-0564	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,492.04	
33 14 13 13-0565	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,066.69	
33 14 13 13-0566		Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0567	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	212.99	76.95
33 14 13 13-0568	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	242.81	91.14
33 14 13 13-0569	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	301.22	112.80
33 14 13 13-0570	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	376.27	131.64
33 14 13 13-0571	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	542.82	191.44
33 14 13 13-0572	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	670.33	218.83
33 14 13 13-0573	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	781.81	235.54
33 14 13 13-0574	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	965.72	255.27
33 14 13 13-0575	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	1,240.54	306.32
33 14 13 13-0576	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	1,465.59	340.20
33 14 13 13-0577	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,906.44	392.53
33 14 13 13-0578	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	3,719.87	470.73
33 14 13 13-0579	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	4,593.15	589.08
33 14 13 13-0580	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	6,791.00	679.70
33 14 13 13-0581	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	8,696.39	874.17
33 14 13 13-0582		Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) *(33 14 13 13-0002)*		
33 14 13 13-0583	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,637.20	62.98
33 14 13 13-0584	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,827.60	78.72
33 14 13 13-0585	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	7,005.11	116.34
33 14 13 13-0586	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,521.10	138.00
33 14 13 13-0587	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	12,002.64	152.81
33 14 13 13-0588	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	16,010.78	179.26
33 14 13 13-0589	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	19,724.81	201.02
33 14 13 13-0590	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	23,336.00	229.74
33 14 13 13-0591	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	26,304.61	321.64
33 14 13 13-0592	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	35,390.22	402.04
33 14 13 13-0593	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	49,038.86	536.06
33 14 13 13-0594		Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) *(33 14 13 13-0002)* Note: Includes machined bolts and gasket.		
33 14 13 13-0595	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	211.43	76.95
33 14 13 13-0596	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	271.67	91.14
33 14 13 13-0597	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	351.27	112.80
33 14 13 13-0598	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	400.81	131.64
33 14 13 13-0599	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	704.97	201.86
33 14 13 13-0600	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	797.78	230.74
33 14 13 13-0601		Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) *(33 14 13 13-0002)* Note: Includes nuts, bolts and gasket.		
33 14 13 13-0602	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300))	309.47	76.95
33 14 13 13-0603	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	385.10	91.14
33 14 13 13-0604	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	533.65	112.80
33 14 13 13-0605	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	772.70	131.64
33 14 13 13-0606	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	1,119.03	201.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0607	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,392.08	230.74
33 14 13 13-0608	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,148.79	248.35
33 14 13 13-0609	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	3,014.30	269.16
33 14 13 13-0610	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,408.71	322.98
33 14 13 13-0611	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,765.30	358.71
33 14 13 13-0612	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,555.85	413.88
33 14 13 13-0613	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,862.67	496.34
33 14 13 13-0614	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,760.98	621.13
33 14 13 13-0615	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	22,884.81	716.67
33 14 13 13-0616	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	29,312.03	921.72

33 14 13 13-0617 Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint *(33 14 13 13-0002)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

33 14 13 13-0618	EA	4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,256.74	118.43
33 14 13 13-0619	EA	6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,996.04	148.03
33 14 13 13-0620	EA	8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,646.16	169.20
33 14 13 13-0621	EA	10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	3,655.91	255.27
33 14 13 13-0622	EA	12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	4,779.46	278.47
33 14 13 13-0623	EA	14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,535.19	306.32
33 14 13 13-0624	EA	16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	6,152.57	340.32
33 14 13 13-0625	EA	18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	8,799.79	382.90
33 14 13 13-0626	EA	20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	8,992.20	437.55
33 14 13 13-0627	EA	24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	15,706.35	510.53
33 14 13 13-0628	EA	30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	54,953.38	612.64
33 14 13 13-0629	EA	36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	78,021.06	765.80

33 14 13 13-0630 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0521 for bolts and gaskets.

33 14 13 13-0631 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0630)*

33 14 13 13-0632	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	465.78	43.92
33 14 13 13-0633	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	557.47	52.61
33 14 13 13-0634	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	865.30	77.08
33 14 13 13-0635	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,183.46	91.75
33 14 13 13-0636	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,623.78	102.11
33 14 13 13-0637	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,059.07	119.52
33 14 13 13-0638	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,928.30	134.59
33 14 13 13-0639	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,553.36	153.16
33 14 13 13-0640	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,292.78	214.65
33 14 13 13-0641	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,350.54	268.03
33 14 13 13-0642	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,565.79	357.37
33 14 13 13-0643	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,120.34	382.90
33 14 13 13-0644	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,857.22	397.99
33 14 13 13-0645	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	29,427.63	459.48
33 14 13 13-0646	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	38,498.80	488.49

33 14 13 13-0647 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0630)*

33 14 13 13-0648	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	445.16	43.92
33 14 13 13-0649	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	521.86	52.61
33 14 13 13-0650	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	803.45	77.08
33 14 13 13-0651	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,087.87	91.75
33 14 13 13-0652	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,421.35	102.11
33 14 13 13-0653	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,877.26	119.52
33 14 13 13-0654	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,538.44	134.59
33 14 13 13-0655	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,039.79	153.16
33 14 13 13-0656	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,593.65	214.65
33 14 13 13-0657	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,362.77	268.03
33 14 13 13-0658	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,749.58	357.37
33 14 13 13-0659	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,589.02	382.90
33 14 13 13-0660	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	14,646.51	397.99
33 14 13 13-0661	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	21,769.16	459.48
33 14 13 13-0662	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	27,871.40	488.49

33 14 13 13-0663 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0630)*

33 14 13 13-0664	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	345.82	43.92
33 14 13 13-0665	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	516.24	52.61
33 14 13 13-0666	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	780.96	77.08
33 14 13 13-0667	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,080.37	91.75
33 14 13 13-0668	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,419.48	102.11
33 14 13 13-0669	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,768.55	119.52
33 14 13 13-0670	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,553.44	134.59
33 14 13 13-0671	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,972.32	153.16
33 14 13 13-0672	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,576.79	214.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0673	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,518.34	268.03
33 14 13 13-0674	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,625.87	357.37
33 14 13 13-0675	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,421.32	382.90
33 14 13 13-0676	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	12,865.91	397.99
33 14 13 13-0677	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	18,416.00	459.48
33 14 13 13-0678	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	23,584.83	488.49

33 14 13 13-0679 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0630)*

33 14 13 13-0680	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	345.82	43.92
33 14 13 13-0681	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	619.32	52.61
33 14 13 13-0682	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	788.46	77.08
33 14 13 13-0683	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,046.63	91.75
33 14 13 13-0684	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,415.73	102.11
33 14 13 13-0685	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,717.94	119.52
33 14 13 13-0686	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,750.24	134.59
33 14 13 13-0687	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,064.16	153.16
33 14 13 13-0688	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,109.09	214.65
33 14 13 13-0689	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,357.15	268.03
33 14 13 13-0690	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,627.74	357.37
33 14 13 13-0691	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,545.02	382.90
33 14 13 13-0692	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	12,511.66	397.99
33 14 13 13-0693	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	17,909.93	459.48
33 14 13 13-0694	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	23,449.88	488.49

33 14 13 13-0695 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0630)*

33 14 13 13-0696	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	407.68	43.92
33 14 13 13-0697	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	600.58	52.61
33 14 13 13-0698	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	936.53	77.08
33 14 13 13-0699	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,273.42	91.75
33 14 13 13-0700	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,754.98	102.11
33 14 13 13-0701	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,203.39	119.52
33 14 13 13-0702	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,964.80	134.59
33 14 13 13-0703	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,190.52	153.16
33 14 13 13-0704	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,072.39	214.65
33 14 13 13-0705	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,150.77	268.03
33 14 13 13-0706	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,810.34	357.37

33 14 13 13-0707 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0630)*

33 14 13 13-0708	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	407.68	43.92
33 14 13 13-0709	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	529.36	52.61
33 14 13 13-0710	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	833.44	77.08
33 14 13 13-0711	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,179.71	91.75
33 14 13 13-0712	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,565.69	102.11
33 14 13 13-0713	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,038.45	119.52
33 14 13 13-0714	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,718.37	134.59
33 14 13 13-0715	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,266.58	153.16
33 14 13 13-0716	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,116.49	214.65
33 14 13 13-0717	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,415.15	268.03
33 14 13 13-0718	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,677.36	357.37

33 14 13 13-0719 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee *(33 14 13 13-0630)*

33 14 13 13-0720	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	574.03	65.90
33 14 13 13-0721	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	626.12	74.28
33 14 13 13-0722	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	661.00	77.08
33 14 13 13-0723	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	942.74	97.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0724	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,021.95	101.54
33 14 13 13-0725	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,077.79	113.77
33 14 13 13-0726	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,254.49	117.45
33 14 13 13-0727	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,357.18	129.69
33 14 13 13-0728	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,493.14	138.24
33 14 13 13-0729	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,685.66	126.47
33 14 13 13-0730	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,682.45	138.08
33 14 13 13-0731	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,823.39	146.20
33 14 13 13-0732	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,967.68	153.16
33 14 13 13-0733	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,029.38	141.56
33 14 13 13-0734	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,046.77	153.16
33 14 13 13-0735	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,213.95	161.29
33 14 13 13-0736	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,553.17	168.24
33 14 13 13-0737	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,559.15	176.36
33 14 13 13-0738	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,900.51	178.69
33 14 13 13-0739	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,138.91	186.80
33 14 13 13-0740	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,811.75	193.77
33 14 13 13-0741	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,023.91	201.89
33 14 13 13-0742	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,726.35	214.65
33 14 13 13-0743	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,469.88	214.65
33 14 13 13-0744	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,657.79	221.62
33 14 13 13-0745	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,390.60	229.74
33 14 13 13-0746	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,117.30	236.70
33 14 13 13-0747	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,375.44	249.47
33 14 13 13-0748	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,860.77	268.03
33 14 13 13-0749	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,556.13	275.00
33 14 13 13-0750	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,805.80	281.96
33 14 13 13-0751	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,122.52	288.92
33 14 13 13-0752	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,415.26	297.04
33 14 13 13-0753	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,563.80	309.80
33 14 13 13-0754	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,945.06	327.20
33 14 13 13-0755	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,637.15	357.37
33 14 13 13-0756	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,233.28	393.35
33 14 13 13-0757	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,321.75	401.46
33 14 13 13-0758	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,850.27	408.42
33 14 13 13-0759	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,139.27	416.55
33 14 13 13-0760	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,199.71	429.31
33 14 13 13-0761	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,119.89	446.72
33 14 13 13-0762	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,829.72	476.89
33 14 13 13-0763	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,667.91	536.06
33 14 13 13-0764	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,350.34	511.70
33 14 13 13-0765	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,410.68	520.98
33 14 13 13-0766	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,526.85	526.77
33 14 13 13-0767	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,699.64	534.90
33 14 13 13-0768	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,624.14	547.66
33 14 13 13-0769	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,952.93	565.07
33 14 13 13-0770	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,793.97	595.24
33 14 13 13-0771	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,109.12	655.57
33 14 13 13-0772	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,477.45	714.74
33 14 13 13-0773	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,133.98	596.39
33 14 13 13-0774	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,598.29	604.52
33 14 13 13-0775	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,203.67	611.48
33 14 13 13-0776	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,811.30	619.60
33 14 13 13-0777	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,673.93	632.37
33 14 13 13-0778	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,604.38	841.22
33 14 13 13-0779	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,541.12	679.93
33 14 13 13-0780	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,520.76	739.11
33 14 13 13-0781	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,084.90	798.28
33 14 13 13-0782	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,821.60	841.22
33 14 13 13-0783	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,487.48	670.65
33 14 13 13-0784	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,859.45	677.61
33 14 13 13-0785	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,600.16	685.74
33 14 13 13-0786	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,123.54	698.50
33 14 13 13-0787	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,649.13	715.91
33 14 13 13-0788	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,661.73	746.08
33 14 13 13-0789	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,720.99	805.25
33 14 13 13-0790	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	18,529.67	864.43
33 14 13 13-0791	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	20,932.75	939.84
33 14 13 13-0792	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	24,127.91	939.84
33 14 13 13-0793	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	27,503.59	722.87
33 14 13 13-0794	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	28,056.97	734.47
33 14 13 13-0795	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,861.72	753.04
33 14 13 13-0796	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,184.36	783.20
33 14 13 13-0797	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,274.59	842.37
33 14 13 13-0798	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,160.54	901.55
33 14 13 13-0799	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,679.92	944.48
33 14 13 13-0800	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,788.65	976.97
33 14 13 13-0801	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,780.92	995.53
33 14 13 13-0802	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,079.86	780.88
33 14 13 13-0803	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,655.73	793.64
33 14 13 13-0804	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,473.72	812.21
33 14 13 13-0805	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	34,304.50	841.22
33 14 13 13-0806	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,185.69	901.55
33 14 13 13-0807	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,380.60	960.72
33 14 13 13-0808	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	37,991.72	1,002.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0809	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,531.36	1,036.15
33 14 13 13-0810	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,311.52	1,054.71
33 14 13 13-0811	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	51,073.36	1,083.72

33 14 13 13-0812 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0630)*

33 14 13 13-0813	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	643.89	73.64
33 14 13 13-0814	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	709.49	73.64
33 14 13 13-0815	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	833.44	77.08
33 14 13 13-0816	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	918.38	97.70
33 14 13 13-0817	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,025.70	101.54
33 14 13 13-0818	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,255.85	113.77
33 14 13 13-0819	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,653.72	117.45
33 14 13 13-0820	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,522.12	129.69
33 14 13 13-0821	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,712.43	138.24
33 14 13 13-0822	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,433.52	126.47
33 14 13 13-0823	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,533.39	138.08
33 14 13 13-0824	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,835.53	146.20
33 14 13 13-0825	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,096.02	153.16
33 14 13 13-0826	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,972.16	141.56
33 14 13 13-0827	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,371.92	153.16
33 14 13 13-0828	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,994.55	161.29
33 14 13 13-0829	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,996.39	168.24
33 14 13 13-0830	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,683.75	176.36
33 14 13 13-0831	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,384.97	178.69
33 14 13 13-0832	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,045.10	186.80
33 14 13 13-0833	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,658.84	193.77
33 14 13 13-0834	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,142.78	201.89
33 14 13 13-0835	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,955.80	214.65
33 14 13 13-0836	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,558.96	214.65
33 14 13 13-0837	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,039.16	221.62
33 14 13 13-0838	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,989.39	229.74
33 14 13 13-0839	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,179.05	236.70
33 14 13 13-0840	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,663.98	249.47
33 14 13 13-0841	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,241.16	268.03
33 14 13 13-0842	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,467.94	275.00
33 14 13 13-0843	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,980.01	281.96
33 14 13 13-0844	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,474.79	288.92
33 14 13 13-0845	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,011.20	297.04
33 14 13 13-0846	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,090.39	309.80
33 14 13 13-0847	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,179.25	327.20
33 14 13 13-0848	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,398.12	357.37
33 14 13 13-0849	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,598.67	393.35
33 14 13 13-0850	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,765.87	401.46
33 14 13 13-0851	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,564.28	408.42
33 14 13 13-0852	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,355.60	416.55
33 14 13 13-0853	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,440.41	429.31
33 14 13 13-0854	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,538.64	446.72
33 14 13 13-0855	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,094.79	476.89
33 14 13 13-0856	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,420.29	536.06
33 14 13 13-0857	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,201.18	511.70
33 14 13 13-0858	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,319.62	519.81
33 14 13 13-0859	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,432.93	526.77
33 14 13 13-0860	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,937.48	534.90
33 14 13 13-0861	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,701.67	547.66
33 14 13 13-0862	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,158.80	565.07
33 14 13 13-0863	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,881.77	595.24
33 14 13 13-0864	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,448.96	655.57
33 14 13 13-0865	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,340.32	714.74
33 14 13 13-0866	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,489.70	596.39
33 14 13 13-0867	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,919.18	604.52
33 14 13 13-0868	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,221.81	611.48
33 14 13 13-0869	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,526.69	619.60
33 14 13 13-0870	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,375.21	632.37
33 14 13 13-0871	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,360.90	649.77
33 14 13 13-0872	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,062.36	679.93
33 14 13 13-0873	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,069.13	739.11
33 14 13 13-0874	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,480.47	798.28
33 14 13 13-0875	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,145.94	841.22
33 14 13 13-0876	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,718.91	685.74
33 14 13 13-0877	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,213.19	698.50
33 14 13 13-0878	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	40,696.56	715.91
33 14 13 13-0879	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	43,562.86	746.08
33 14 13 13-0880	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	46,485.19	805.25
33 14 13 13-0881	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	51,594.55	864.43
33 14 13 13-0882	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	57,864.35	907.35
33 14 13 13-0883	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,210.93	939.84
33 14 13 13-0884	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,885.30	842.37
33 14 13 13-0885	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,364.12	901.55
33 14 13 13-0886	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	66,637.76	944.48
33 14 13 13-0887	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	76,316.18	976.97
33 14 13 13-0888	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	90,182.27	995.53
33 14 13 13-0889	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	59,988.57	901.55
33 14 13 13-0890	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	68,006.89	960.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0891	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,503.58	1,002.50
33 14 13 13-0892	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	82,764.91	1,036.15
33 14 13 13-0893	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	108,542.29	1,054.71
33 14 13 13-0894	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	119,246.13	1,083.72

33 14 13 13-0895 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0630)*

33 14 13 13-0896	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,147.14	113.77
33 14 13 13-0897	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,428.41	129.69
33 14 13 13-0898	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,057.31	138.08
33 14 13 13-0899	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,369.15	153.16
33 14 13 13-0900	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,138.55	178.69
33 14 13 13-0901	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,824.23	214.65
33 14 13 13-0902	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,509.27	275.00
33 14 13 13-0903	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,056.10	393.35
33 14 13 13-0904	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,061.06	511.70
33 14 13 13-0905	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	12,893.96	596.39

33 14 13 13-0906 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0630)*

33 14 13 13-0907	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	637.30	87.85
33 14 13 13-0908	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	799.00	95.59
33 14 13 13-0909	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,003.38	96.65
33 14 13 13-0910	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,060.61	119.82
33 14 13 13-0911	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,243.48	129.69
33 14 13 13-0912	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,369.28	161.49
33 14 13 13-0913	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,319.97	141.91
33 14 13 13-0914	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,554.46	173.72
33 14 13 13-0915	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,535.34	185.96
33 14 13 13-0916	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,555.12	148.52
33 14 13 13-0917	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,740.23	178.69
33 14 13 13-0918	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,072.53	190.29
33 14 13 13-0919	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,245.63	204.21
33 14 13 13-0920	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,005.52	161.29
33 14 13 13-0921	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,319.96	191.44
33 14 13 13-0922	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,519.19	203.06
33 14 13 13-0923	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,943.46	216.98
33 14 13 13-0924	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,365.75	229.74
33 14 13 13-0925	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,486.67	210.01
33 14 13 13-0926	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,141.36	221.62
33 14 13 13-0927	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,239.50	236.70
33 14 13 13-0928	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,474.34	248.30
33 14 13 13-0929	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,960.68	268.03
33 14 13 13-0930	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,902.12	237.87
33 14 13 13-0931	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,470.58	248.30
33 14 13 13-0932	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,400.91	263.39
33 14 13 13-0933	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,044.38	276.15
33 14 13 13-0934	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,353.54	294.72
33 14 13 13-0935	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,671.51	321.41
33 14 13 13-0936	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,771.72	280.79
33 14 13 13-0937	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,165.89	292.39
33 14 13 13-0938	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,502.05	306.32
33 14 13 13-0939	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,153.00	319.09
33 14 13 13-0940	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,561.50	337.65
33 14 13 13-0941	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,170.01	364.33
33 14 13 13-0942	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,612.36	408.42
33 14 13 13-0943	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,514.46	352.73
33 14 13 13-0944	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,912.36	363.18
33 14 13 13-0945	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,182.93	378.26
33 14 13 13-0946	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,828.27	391.02
33 14 13 13-0947	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,984.71	409.59
33 14 13 13-0948	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,162.02	436.27
33 14 13 13-0949	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,604.39	479.21
33 14 13 13-0950	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,593.65	551.15
33 14 13 13-0951	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,666.02	440.91
33 14 13 13-0952	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,936.81	452.52
33 14 13 13-0953	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,396.34	466.44
33 14 13 13-0954	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,792.40	479.21
33 14 13 13-0955	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,008.81	497.77
33 14 13 13-0956	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,491.73	524.45
33 14 13 13-0957	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,020.12	568.54
33 14 13 13-0958	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,943.77	639.33
33 14 13 13-0959	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,839.53	727.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0960	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,127.55	585.95
33 14 13 13-0961	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,486.19	599.88
33 14 13 13-0962	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,839.14	612.64
33 14 13 13-0963	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,254.23	631.20
33 14 13 13-0964	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,727.80	659.05
33 14 13 13-0965	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,273.26	701.98
33 14 13 13-0966	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,955.12	772.76
33 14 13 13-0967	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,051.23	862.10
33 14 13 13-0968	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	31,101.83	995.53
33 14 13 13-0969	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,455.85	634.69
33 14 13 13-0970	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,810.75	648.61
33 14 13 13-0971	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,116.84	661.37
33 14 13 13-0972	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,479.45	681.10
33 14 13 13-0973	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,902.41	707.78
33 14 13 13-0974	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,397.25	750.72
33 14 13 13-0975	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,032.27	822.65
33 14 13 13-0976	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,168.93	910.84
33 14 13 13-0977	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,446.01	1,044.27
33 14 13 13-0978	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	43,387.42	1,094.16
33 14 13 13-0979	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,305.83	690.38
33 14 13 13-0980	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,018.94	708.95
33 14 13 13-0981	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,428.77	736.79
33 14 13 13-0982	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,994.83	779.72
33 14 13 13-0983	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,017.84	851.66
33 14 13 13-0984	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,200.36	939.84
33 14 13 13-0985	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,678.10	1,073.28
33 14 13 13-0986	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	62,513.06	1,122.01
33 14 13 13-0987	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	67,030.25	1,151.01
33 14 13 13-0988	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,495.42	804.09
33 14 13 13-0989	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,798.07	822.65
33 14 13 13-0990	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,202.28	849.34
33 14 13 13-0991	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,633.38	892.27
33 14 13 13-0992	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,200.93	964.21
33 14 13 13-0993	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,200.76	1,052.39
33 14 13 13-0994	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	52,008.69	1,185.82
33 14 13 13-0995	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	63,915.96	1,235.72
33 14 13 13-0996	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	82,462.43	1,264.72
33 14 13 13-0997	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	87,795.76	1,377.28

33 14 13 13-0998 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0630)*

33 14 13 13-0999	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	456.66	47.80
33 14 13 13-1000	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	639.96	59.91
33 14 13 13-1001	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	703.93	63.62
33 14 13 13-1002	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	926.21	72.19
33 14 13 13-1003	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	961.30	84.41
33 14 13 13-1004	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,135.99	75.41
33 14 13 13-1005	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,187.11	87.03
33 14 13 13-1006	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,234.35	95.14
33 14 13 13-1007	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,314.40	83.54
33 14 13 13-1008	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,453.63	95.14
33 14 13 13-1009	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,476.50	102.11
33 14 13 13-1010	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,542.06	110.23
33 14 13 13-1011	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,282.54	107.90
33 14 13 13-1012	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,294.16	114.87
33 14 13 13-1013	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,992.35	122.99
33 14 13 13-1014	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,032.07	129.95
33 14 13 13-1015	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,736.90	125.31
33 14 13 13-1016	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,652.92	133.44
33 14 13 13-1017	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,487.94	140.39
33 14 13 13-1018	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,456.44	147.36
33 14 13 13-1019	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,779.29	160.12
33 14 13 13-1020	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,970.15	162.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1021	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,352.46	170.57
33 14 13 13-1022	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,199.13	177.52
33 14 13 13-1023	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,829.36	190.29
33 14 13 13-1024	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,344.69	208.85
33 14 13 13-1025	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,954.43	222.78
33 14 13 13-1026	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,984.37	229.74
33 14 13 13-1027	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,613.62	237.87
33 14 13 13-1028	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,608.45	250.62
33 14 13 13-1029	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,515.51	268.03
33 14 13 13-1030	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,162.60	298.20
33 14 13 13-1031	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,978.10	297.04
33 14 13 13-1032	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,049.79	309.80
33 14 13 13-1033	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,136.78	327.20
33 14 13 13-1034	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,051.01	357.37
33 14 13 13-1035	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,825.37	416.55
33 14 13 13-1036	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,118.03	368.97
33 14 13 13-1037	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,502.73	399.14
33 14 13 13-1038	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,139.36	459.48
33 14 13 13-1039	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,718.60	518.66
33 14 13 13-1040	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,025.25	491.97
33 14 13 13-1041	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,157.42	551.15
33 14 13 13-1042	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,911.10	594.07
33 14 13 13-1043	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,857.28	421.19
33 14 13 13-1044	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,745.29	451.36
33 14 13 13-1045	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,777.40	510.53
33 14 13 13-1046	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,465.25	569.71
33 14 13 13-1047	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,057.94	612.64
33 14 13 13-1048	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,756.49	645.12
33 14 13 13-1049	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,522.05	450.19
33 14 13 13-1050	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,784.03	480.36
33 14 13 13-1051	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	20,670.95	539.54
33 14 13 13-1052	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,265.09	599.88
33 14 13 13-1053	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	25,499.36	641.65
33 14 13 13-1054	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,025.69	674.14
33 14 13 13-1055	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	24,235.37	692.70

33 14 13 13-1056 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps *(33 14 13 13-0630)*

33 14 13 13-1057	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	409.71	100.94
33 14 13 13-1058	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	494.32	118.68
33 14 13 13-1059	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	726.61	148.03
33 14 13 13-1060	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	977.94	168.83
33 14 13 13-1061	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,295.81	255.27
33 14 13 13-1062	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,640.23	278.47
33 14 13 13-1063	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,866.11	306.32
33 14 13 13-1064	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,275.68	339.97
33 14 13 13-1065	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,668.14	382.90
33 14 13 13-1066	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,221.48	437.44
33 14 13 13-1067	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,137.93	510.53
33 14 13 13-1068	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,553.96	612.64
33 14 13 13-1069	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,417.47	765.80
33 14 13 13-1070	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	17,923.85	918.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1071	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	21,353.00	1,021.06
33 14 13 13-1072		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0630)*		
33 14 13 13-1073	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	411.59	100.94
33 14 13 13-1074	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	513.06	118.68
33 14 13 13-1075	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	775.34	148.03
33 14 13 13-1076	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,026.68	168.83
33 14 13 13-1077	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,575.08	255.27
33 14 13 13-1078	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,703.95	278.47
33 14 13 13-1079	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,272.84	306.32
33 14 13 13-1080	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,746.13	339.97
33 14 13 13-1081	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,269.80	382.90
33 14 13 13-1082	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	4,034.93	437.44
33 14 13 13-1083	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,296.26	510.53
33 14 13 13-1084	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	9,154.63	612.64
33 14 13 13-1085	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	13,412.73	765.80
33 14 13 13-1086	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	18,049.43	918.95
33 14 13 13-1087	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	24,016.41	1,021.06
33 14 13 13-1088		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** *(33 14 13 13-0630)*		
33 14 13 13-1089	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	556.71	153.42
33 14 13 13-1090	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	739.61	177.39
33 14 13 13-1091	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,020.57	222.67
33 14 13 13-1092	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,346.04	253.24
33 14 13 13-1093	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,982.14	382.90
33 14 13 13-1094	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,372.26	417.71
33 14 13 13-1095	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,114.05	459.48
33 14 13 13-1096	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,536.28	510.53
33 14 13 13-1097	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,652.60	574.35
33 14 13 13-1098	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,397.32	656.73
33 14 13 13-1099	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,537.72	765.80
33 14 13 13-1100	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,323.48	918.95
33 14 13 13-1101	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,056.60	1,148.69
33 14 13 13-1102	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	19,159.73	1,312.30
33 14 13 13-1103	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	23,826.54	1,531.59
33 14 13 13-1104		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0630)*		
33 14 13 13-1105	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	579.20	153.42
33 14 13 13-1106	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	711.50	177.39
33 14 13 13-1107	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,052.43	222.67
33 14 13 13-1108	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,432.25	253.24
33 14 13 13-1109	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,862.18	382.90
33 14 13 13-1110	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,259.80	417.71
33 14 13 13-1111	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,874.14	459.48
33 14 13 13-1112	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,408.82	510.53
33 14 13 13-1113	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,075.31	574.35
33 14 13 13-1114	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,746.93	656.73
33 14 13 13-1115	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	5,941.69	765.80
33 14 13 13-1116	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,014.22	918.95
33 14 13 13-1117	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	13,023.85	1,148.69
33 14 13 13-1118	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	16,979.50	1,311.13
33 14 13 13-1119	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	25,279.14	1,531.59

33 14 13 13-1120 **Push-On Joint Ductile Iron Piping And Gaskets** *(33 14 13 13-0001)*

33 14 13 13-1121 **Push-On Joint Ductile Iron Pipe** *(33 14 13 13-1120)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1122	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	37.47	10.10
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*15.53*	
		For Cement Mortar Lining (CML), Add	*2.22*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*11.98*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*10.54*	
		For >1,000, Deduct	*-1.87*	
		For Class 51, Add	*3.21*	
		For Class 52, Add	*6.93*	
		For Class 53, Add	*12.46*	
		For Class 54, Add	*17.76*	
		For Class 55, Add	*20.44*	
		For Class 56, Add	*23.07*	
33 14 13 13-1123	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	41.10	11.13
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.04*	
		For Cement Mortar Lining (CML), Add	*2.43*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.14*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.83*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*11.56*	
		For >1,000, Deduct	*-2.06*	
		For Class 51, Add	*3.53*	
		For Class 52, Add	*7.60*	
		For Class 53, Add	*13.67*	
		For Class 54, Add	*19.49*	
		For Class 55, Add	*22.43*	
		For Class 56, Add	*25.32*	
33 14 13 13-1124	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	51.62	12.24
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.29*	
		For Cement Mortar Lining (CML), Add	*3.33*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.97*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*15.80*	
		For >1,000, Deduct	*-2.58*	
		For Class 51, Add	*4.76*	
		For Class 52, Add	*10.28*	
		For Class 53, Add	*18.52*	
		For Class 54, Add	*26.42*	
		For Class 55, Add	*30.37*	
		For Class 56, Add	*34.26*	
33 14 13 13-1125	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	73.04	17.28
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*28.16*	
		For Cement Mortar Lining (CML), Add	*4.69*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.47*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.52*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*22.30*	
		For >1,000, Deduct	*-3.65*	
		For Class 51, Add	*6.72*	
		For Class 52, Add	*14.50*	
		For Class 53, Add	*26.13*	
		For Class 54, Add	*37.28*	
		For Class 55, Add	*42.87*	
		For Class 56, Add	*48.36*	
33 14 13 13-1126	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	84.96	19.14
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*27.98*	
		For Cement Mortar Lining (CML), Add	*5.60*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*22.38*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*26.58*	
		For >1,000, Deduct	*-4.25*	
		For Class 51, Add	*7.99*	
		For Class 52, Add	*17.24*	
		For Class 53, Add	*31.08*	
		For Class 54, Add	*44.34*	
		For Class 55, Add	*50.97*	
		For Class 56, Add	*57.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1127	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	103.93	21.58
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*31.39*	
		For Cement Mortar Lining (CML), Add	*7.13*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*24.25*	
		For Fusion Bonded Epoxy Lining (206N), Add	*12.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.35*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*33.88*	
		For >1,000, Deduct	*-5.20*	
		For Class 51, Add	*10.13*	
		For Class 52, Add	*21.86*	
		For Class 53, Add	*39.45*	
		For Class 54, Add	*56.30*	
		For Class 55, Add	*64.70*	
		For Class 56, Add	*72.95*	
33 14 13 13-1128	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	123.37	24.60
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*35.31*	
		For Cement Mortar Lining (CML), Add	*8.61*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*26.70*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*40.91*	
		For >1,000, Deduct	*-6.17*	
		For Class 51, Add	*12.20*	
		For Class 52, Add	*26.35*	
		For Class 53, Add	*47.55*	
		For Class 54, Add	*67.86*	
		For Class 55, Add	*77.98*	
		For Class 56, Add	*87.92*	
33 14 13 13-1129	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	143.53	28.77
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*41.01*	
		For Cement Mortar Lining (CML), Add	*10.00*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.01*	
		For Fusion Bonded Epoxy Lining (206N), Add	*18.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*47.51*	
		For >1,000, Deduct	*-7.18*	
		For Class 51, Add	*14.18*	
		For Class 52, Add	*30.60*	
		For Class 53, Add	*55.23*	
		For Class 54, Add	*78.83*	
		For Class 55, Add	*90.59*	
		For Class 56, Add	*102.13*	
33 14 13 13-1130	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	165.35	34.46
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*42.99*	
		For Cement Mortar Lining (CML), Add	*11.31*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.68*	
		For Fusion Bonded Epoxy Lining (206N), Add	*20.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.49*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*53.74*	
		For >1,000, Deduct	*-8.27*	
		For Class 51, Add	*16.07*	
		For Class 52, Add	*34.69*	
		For Class 53, Add	*62.59*	
		For Class 54, Add	*89.32*	
		For Class 55, Add	*102.66*	
		For Class 56, Add	*115.75*	
33 14 13 13-1131	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	209.27	43.05
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*44.62*	
		For Cement Mortar Lining (CML), Add	*14.40*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*30.23*	
		For Fusion Bonded Epoxy Lining (206N), Add	*25.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.80*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*68.38*	
		For >1,000, Deduct	*-10.46*	
		For Class 51, Add	*20.44*	
		For Class 52, Add	*44.11*	
		For Class 53, Add	*79.59*	
		For Class 54, Add	*113.59*	
		For Class 55, Add	*130.54*	
		For Class 56, Add	*147.19*	

33 14 13 13-1132 Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1120)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1133	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	297.32	39.39
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*142.57*	
33 14 13 13-1134	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	430.63	58.11
		For Cement Mortar Lining (CML), Add	*34.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.69*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*205.52*	
33 14 13 13-1135	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	579.73	69.00
		For Cement Mortar Lining (CML), Add	*47.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.63*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*285.08*	
33 14 13 13-1136	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	876.20	76.35
		For Cement Mortar Lining (CML), Add	*71.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*430.97*	
33 14 13 13-1137	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,135.44	89.58
		For Cement Mortar Lining (CML), Add	*95.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.27*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*570.19*	
33 14 13 13-1138	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,291.92	100.48
		For Cement Mortar Lining (CML), Add	*208.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*375.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,250.50*	
33 14 13 13-1139	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,590.26	114.87
		For Cement Mortar Lining (CML), Add	*235.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.47*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,411.75*	
33 14 13 13-1140	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	4,045.38	160.81
		For Cement Mortar Lining (CML), Add	*371.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*668.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*278.48*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,227.87*	
33 14 13 13-1141	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,541.39	202.70
		For Cement Mortar Lining (CML), Add	*413.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*744.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*310.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,481.62*	
33 14 13 13-1142	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,670.46	253.41
		For Cement Mortar Lining (CML), Add	*516.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*929.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.28*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,098.26*	

33 14 13 13-1143 Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1120)*

33 14 13 13-1144	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	243.28	39.39
		For Cement Mortar Lining (CML), Add	*18.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*110.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1145	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	357.97	58.11
		For Cement Mortar Lining (CML), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*161.93*	
33 14 13 13-1146	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	501.56	69.00
		For Cement Mortar Lining (CML), Add	*39.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*238.18*	
33 14 13 13-1147	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	768.28	76.35
		For Cement Mortar Lining (CML), Add	*61.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.78*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*366.22*	
33 14 13 13-1148	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	997.91	89.58
		For Cement Mortar Lining (CML), Add	*81.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*487.67*	
33 14 13 13-1149	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,433.19	100.48
		For Cement Mortar Lining (CML), Add	*122.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*220.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*735.26*	
33 14 13 13-1150	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	2,140.61	114.87
		For Cement Mortar Lining (CML), Add	*190.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*342.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,141.96*	
33 14 13 13-1151	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,445.76	160.81
		For Cement Mortar Lining (CML), Add	*211.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*380.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.51*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,268.10*	
33 14 13 13-1152	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	3,446.20	202.70
		For Cement Mortar Lining (CML), Add	*304.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*547.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.06*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,824.50*	
33 14 13 13-1153	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	4,275.56	253.41
		For Cement Mortar Lining (CML), Add	*376.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*678.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,261.32*	

33 14 13 13-1154 Push-On Joint Ductile Iron Tee *(33 14 13 13-1120)*

33 14 13 13-1155	EA	4" Tee, Push-On Joint Ductile Iron	455.51	58.11
		For Cement Mortar Lining (CML), Add	*36.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.56*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*220.45*	
33 14 13 13-1156	EA	6" Tee, Push-On Joint Ductile Iron	632.20	85.39
		For Cement Mortar Lining (CML), Add	*50.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.71*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*301.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1157	EA	8" Tee, Push-On Joint Ductile Iron	869.71	103.51
		For Cement Mortar Lining (CML), Add	*71.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*427.65*	
33 14 13 13-1158	EA	10" Tee, Push-On Joint Ductile Iron	1,295.60	116.03
		For Cement Mortar Lining (CML), Add	*112.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*201.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.12*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*672.94*	
33 14 13 13-1159	EA	12" Tee, Push-On Joint Ductile Iron	1,617.44	133.79
		For Cement Mortar Lining (CML), Add	*141.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.08*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*848.63*	
33 14 13 13-1160	EA	14" Tee, Push-On Joint Ductile Iron	2,629.49	160.81
		For Cement Mortar Lining (CML), Add	*238.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*429.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.94*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,431.50*	
33 14 13 13-1161	EA	16" Tee, Push-On Joint Ductile Iron	3,814.76	201.08
		For Cement Mortar Lining (CML), Add	*351.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*631.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,106.11*	
33 14 13 13-1162	EA	18" Tee, Push-On Joint Ductile Iron	4,787.79	268.26
		For Cement Mortar Lining (CML), Add	*438.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*788.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*328.60*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,628.80*	
33 14 13 13-1163	EA	20" Tee, Push-On Joint Ductile Iron	5,637.01	327.32
		For Cement Mortar Lining (CML), Add	*514.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,084.66*	
33 14 13 13-1164	EA	24" Tee, Push-On Joint Ductile Iron	7,391.86	409.12
		For Cement Mortar Lining (CML), Add	*677.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.90*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*4,063.22*	

33 14 13 13-1165 Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1120)*

33 14 13 13-1166	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	447.03	136.65
		For Cement Mortar Lining (CML), Add	*24.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1167	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	547.24	169.20
		For Cement Mortar Lining (CML), Add	*29.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*52.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1168	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	717.24	197.34
		For Cement Mortar Lining (CML), Add	*41.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*75.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.36*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1169	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	980.57	287.18
		For Cement Mortar Lining (CML), Add	*54.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1170	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,188.17	328.24
		For Cement Mortar Lining (CML), Add	*69.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*124.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1171	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,371.88	353.42
		For Cement Mortar Lining (CML), Add	*83.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*150.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1172	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,634.69	382.90
		For Cement Mortar Lining (CML), Add	*105.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*189.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1173	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,932.53	459.48
		For Cement Mortar Lining (CML), Add	*123.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*222.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1174	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,246.25	510.53
		For Cement Mortar Lining (CML), Add	*147.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*265.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1175	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,819.80	589.08
		For Cement Mortar Lining (CML), Add	*192.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*346.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.54*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1176 Push-On Joint Ductile Iron Pipe And Fitting Restraints *(33 14 13 13-1120)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1177	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	58.38	21.28
33 14 13 13-1178	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	76.01	27.76
33 14 13 13-1179	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	98.87	28.39
33 14 13 13-1180	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	117.80	30.16
33 14 13 13-1181	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	140.70	33.50
33 14 13 13-1182	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	178.79	37.69
33 14 13 13-1183	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	211.27	43.07
33 14 13 13-1184	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	238.60	46.66
33 14 13 13-1185	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	277.83	56.00
33 14 13 13-1186	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	336.24	58.15

33 14 13 13-1187 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) *(33 14 13 13-1120)*

33 14 13 13-1188	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	250.76	78.32
33 14 13 13-1189	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	330.94	95.61
33 14 13 13-1190	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	426.16	116.61
33 14 13 13-1191	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	642.52	142.25
33 14 13 13-1192	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	796.98	173.47
33 14 13 13-1193	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,374.73	211.64
33 14 13 13-1194	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,569.31	258.28
33 14 13 13-1195	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,781.30	315.02
33 14 13 13-1196	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,421.82	384.41
33 14 13 13-1197	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,089.09	468.87

33 14 13 13-1198 Ductile Iron Pipe Repair *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

33 14 13 13-1199 WEKO Seals *(33 14 13 13-1198)*

Note: Internal joint seal.

33 14 13 13-1200	EA	16" WEKO Internal Joint Seal	2,631.48	220.13
		For Extra Wide Seals, Add	*86.68*	
33 14 13 13-1201	EA	18" WEKO Internal Joint Seal	2,804.51	232.44
		For Extra Wide Seals, Add	*87.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1202	EA	20" WEKO Internal Joint Seal	2,977.35	244.76
		For Extra Wide Seals, Add	*88.54*	
33 14 13 13-1203	EA	24" WEKO Internal Joint Seal	3,151.83	264.34
		For Extra Wide Seals, Add	*90.03*	

33 14 13 23 Plastic Public Water Utility Distribution Piping *(33 14 13)*

Note: Includes detectable tracer wire.

33 14 13 23-0001 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23)*

Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.

33 14 13 23-0002 AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0003	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	11.38	3.97
33 14 13 23-0004	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	16.61	4.81
33 14 13 23-0005	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	22.90	5.40
33 14 13 23-0006	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	30.23	6.01
33 14 13 23-0007	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	39.26	6.73

33 14 13 23-0008 AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0009	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	12.61	3.97
33 14 13 23-0010	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	19.17	4.81
33 14 13 23-0011	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	27.20	5.40
33 14 13 23-0012	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	36.92	6.01
33 14 13 23-0013	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	48.60	6.73

33 14 13 23-0014 AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0015	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	13.82	3.97
33 14 13 23-0016	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	21.71	4.81
33 14 13 23-0017	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	31.50	5.40
33 14 13 23-0018	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	43.46	6.01
33 14 13 23-0019	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	57.94	6.73

33 14 13 23-0020 AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0021	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	61.65	10.09
33 14 13 23-0022	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	75.21	12.01
33 14 13 23-0023	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	101.10	14.42
33 14 13 23-0024	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	146.59	16.82
33 14 13 23-0025	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	202.86	19.22
33 14 13 23-0026	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	257.55	20.43
33 14 13 23-0027	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	326.71	21.99

33 14 13 23-0028 AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0029	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	45.51	7.57
33 14 13 23-0030	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	57.21	8.41
33 14 13 23-0031	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	71.00	10.09
33 14 13 23-0032	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	87.35	12.01
33 14 13 23-0033	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	119.82	14.42
33 14 13 23-0034	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	173.44	16.82
33 14 13 23-0035	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	238.81	19.22
33 14 13 23-0036	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	317.34	20.43
33 14 13 23-0037	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	404.29	21.99

33 14 13 23-0038 AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0039	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	52.70	7.57
33 14 13 23-0040	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	67.20	8.41
33 14 13 23-0041	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	83.40	10.09
33 14 13 23-0042	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	103.44	12.01
33 14 13 23-0043	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	142.92	14.42
33 14 13 23-0044	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	208.15	16.82
33 14 13 23-0045	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	289.48	19.22
33 14 13 23-0046	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	377.37	20.43
33 14 13 23-0047	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	482.62	21.99

33 14 13 23-0048 AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0049	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	65.00	7.57
33 14 13 23-0050	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	81.80	8.41
33 14 13 23-0051	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	102.20	10.09
33 14 13 23-0052	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	126.15	12.01
33 14 13 23-0053	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	175.67	14.42
33 14 13 23-0054	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	259.54	16.82
33 14 13 23-0055	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	368.49	19.22
33 14 13 23-0056	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	493.23	20.43
33 14 13 23-0057	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	638.10	21.99

33 14 13 23-0058 AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0059	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	74.24	7.57
33 14 13 23-0060	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	93.82	8.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0061	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	117.37	10.09
33 14 13 23-0062	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	145.03	12.01
33 14 13 23-0063	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	202.83	14.42
33 14 13 23-0064	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	301.33	16.82
33 14 13 23-0065	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	429.54	19.22
33 14 13 23-0066	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	576.91	20.43

33 14 13 23-0067 AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0001)*

33 14 13 23-0068	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	83.24	7.57
33 14 13 23-0069	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	105.52	8.41
33 14 13 23-0070	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	132.10	10.09
33 14 13 23-0071	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	163.41	12.01
33 14 13 23-0072	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	229.26	14.42
33 14 13 23-0073	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	341.99	16.82
33 14 13 23-0074	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	488.95	19.22

33 14 13 23-0075 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings *(33 14 13 23)*

Note: Includes rubber gaskets.

33 14 13 23-0076 90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0077	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	217.27	13.57
		For DR 25, Deduct	*-11.41*	
33 14 13 23-0078	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	445.56	15.26
		For DR 25, Deduct	*-24.90*	
33 14 13 23-0079	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	669.62	16.96
		For DR 25, Deduct	*-38.14*	
33 14 13 23-0080	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,023.18	27.26
		For DR 25, Deduct	*-58.12*	
33 14 13 23-0081	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,331.19	45.43
		For DR 25, Deduct	*-74.42*	
33 14 13 23-0082	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,999.54	56.79
		For DR 25, Deduct	*-113.16*	
33 14 13 23-0083	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,386.19	68.16
		For DR 25, Deduct	*-134.99*	
33 14 13 23-0084	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,095.56	90.87
		For DR 25, Deduct	*-234.83*	
33 14 13 23-0085	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,041.72	113.59
		For DR 25, Deduct	*-288.87*	
33 14 13 23-0086	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,370.48	153.34
		For DR 25, Deduct	*-483.83*	

33 14 13 23-0087 45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0088	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	192.44	13.57
		For DR 25, Deduct	*-9.92*	
33 14 13 23-0089	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	332.97	15.26
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0090	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	422.09	16.96
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0091	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	597.48	27.26
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0092	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	798.49	45.43
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0093	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,536.18	56.79
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0094	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,947.21	68.16
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0095	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,361.63	90.87
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0096	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,175.28	113.59
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0097	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,892.39	153.34
		For DR 25, Deduct	*-335.14*	

33 14 13 23-0098 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0099	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	189.42	13.57
		For DR 25, Deduct	*-9.74*	
33 14 13 23-0100	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	332.97	15.26
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0101	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	422.09	16.96
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0102	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	597.49	27.26
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0103	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	798.50	45.43
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0104	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,531.61	54.52
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0105	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,947.19	68.16
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0106	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,361.63	90.87
		For DR 25, Deduct	*-190.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0107	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,175.28	113.59
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0108	EA	24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,892.39	153.34
		For DR 25, Deduct	*-335.14*	

33 14 13 23-0109 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0110	EA	4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	167.19	13.57
		For DR 25, Deduct	*-8.40*	
33 14 13 23-0111	EA	6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	332.97	15.26
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0112	EA	8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	422.09	16.96
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0113	EA	10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	597.49	27.26
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0114	EA	12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	798.50	45.43
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0115	EA	14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,531.61	54.52
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0116	EA	16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,947.19	68.16
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0117	EA	18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,361.63	90.87
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0118	EA	20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,175.28	113.59
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0119	EA	24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,892.39	153.34
		For DR 25, Deduct	*-335.14*	

33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0121	EA	4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	258.27	15.26
		For DR 25, Deduct	*-13.67*	
33 14 13 23-0122	EA	6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	499.51	16.96
		For DR 25, Deduct	*-27.94*	
33 14 13 23-0123	EA	8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	697.29	19.22
		For DR 25, Deduct	*-39.53*	
33 14 13 23-0124	EA	10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,438.84	34.08
		For DR 25, Deduct	*-82.24*	
33 14 13 23-0125	EA	12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,755.33	68.16
		For DR 25, Deduct	*-97.14*	
33 14 13 23-0126	EA	14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,171.40	85.18
		For DR 25, Deduct	*-180.06*	
33 14 13 23-0127	EA	16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,928.19	102.22
		For DR 25, Deduct	*-223.42*	
33 14 13 23-0128	EA	18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,956.21	136.30
		For DR 25, Deduct	*-281.02*	
33 14 13 23-0129	EA	20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,951.59	170.38
		For DR 25, Deduct	*-336.65*	
33 14 13 23-0130	EA	24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,169.14	115.86
		For DR 25, Deduct	*-476.25*	

33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0132	EA	6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	497.08	22.04
		For DR 25, Deduct	*-27.18*	
33 14 13 23-0133	EA	8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	676.48	23.74
		For DR 25, Deduct	*-37.74*	
33 14 13 23-0134	EA	8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	693.42	24.59
		For DR 25, Deduct	*-38.65*	
33 14 13 23-0135	EA	10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	900.53	34.08
		For DR 25, Deduct	*-49.94*	
33 14 13 23-0136	EA	10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,219.97	34.92
		For DR 25, Deduct	*-69.01*	
33 14 13 23-0137	EA	10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,305.14	35.78
		For DR 25, Deduct	*-74.01*	
33 14 13 23-0138	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,383.22	52.25
		For DR 25, Deduct	*-76.72*	
33 14 13 23-0139	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,588.03	53.10
		For DR 25, Deduct	*-88.91*	
33 14 13 23-0140	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,684.80	53.95
		For DR 25, Deduct	*-94.61*	
33 14 13 23-0141	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,716.41	59.07
		For DR 25, Deduct	*-95.90*	
33 14 13 23-0142	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,607.60	61.33
		For DR 25, Deduct	*-149.10*	
33 14 13 23-0143	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,712.54	62.19
		For DR 25, Deduct	*-155.29*	
33 14 13 23-0144	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,817.74	63.04
		For DR 25, Deduct	*-161.50*	
33 14 13 23-0145	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,930.85	68.16
		For DR 25, Deduct	*-167.67*	
33 14 13 23-0146	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,052.32	77.23
		For DR 25, Deduct	*-173.87*	
33 14 13 23-0147	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,254.25	74.97
		For DR 25, Deduct	*-186.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0148	EA	16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,357.45	74.97
		For DR 25, Deduct	*-192.45*	
33 14 13 23-0149	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,462.40	75.81
		For DR 25, Deduct	*-198.65*	
33 14 13 23-0150	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,567.35	76.67
		For DR 25, Deduct	*-204.84*	
33 14 13 23-0151	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,698.94	90.87
		For DR 25, Deduct	*-211.03*	
33 14 13 23-0152	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,811.26	95.41
		For DR 25, Deduct	*-217.23*	
33 14 13 23-0153	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,021.56	97.68
		For DR 25, Deduct	*-229.57*	
33 14 13 23-0154	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,127.22	98.54
		For DR 25, Deduct	*-235.81*	
33 14 13 23-0155	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,232.15	99.39
		For DR 25, Deduct	*-242.00*	
33 14 13 23-0156	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,345.61	104.50
		For DR 25, Deduct	*-248.20*	
33 14 13 23-0157	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,466.97	113.59
		For DR 25, Deduct	*-254.39*	
33 14 13 23-0158	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,578.59	118.13
		For DR 25, Deduct	*-260.54*	
33 14 13 23-0159	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,720.40	124.95
		For DR 25, Deduct	*-268.23*	
33 14 13 23-0160	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,100.69	120.40
		For DR 25, Deduct	*-291.59*	
33 14 13 23-0161	EA	20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,278.66	121.26
		For DR 25, Deduct	*-302.17*	
33 14 13 23-0162	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,348.71	122.10
		For DR 25, Deduct	*-306.27*	
33 14 13 23-0163	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,427.35	127.21
		For DR 25, Deduct	*-310.38*	
33 14 13 23-0164	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,513.89	136.30
		For DR 25, Deduct	*-314.48*	
33 14 13 23-0165	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,633.80	140.85
		For DR 25, Deduct	*-321.13*	
33 14 13 23-0166	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,758.29	147.66
		For DR 25, Deduct	*-327.78*	
33 14 13 23-0167	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,854.93	159.02
		For DR 25, Deduct	*-332.21*	
33 14 13 23-0168	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,005.05	160.15
		For DR 25, Deduct	*-341.08*	
33 14 13 23-0169	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,080.72	161.01
		For DR 25, Deduct	*-345.52*	
33 14 13 23-0170	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,156.36	161.86
		For DR 25, Deduct	*-349.96*	
33 14 13 23-0171	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,467.27	166.97
		For DR 25, Deduct	*-368.00*	
33 14 13 23-0172	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,786.09	176.06
		For DR 25, Deduct	*-386.04*	
33 14 13 23-0173	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,095.87	180.60
		For DR 25, Deduct	*-404.08*	
33 14 13 23-0174	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,410.20	187.42
		For DR 25, Deduct	*-422.12*	
33 14 13 23-0175	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,733.60	198.77
		For DR 25, Deduct	*-440.16*	
33 14 13 23-0176	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,057.00	210.13
		For DR 25, Deduct	*-458.20*	

33 14 13 23-0177 Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0178	EA	4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	357.93	27.13
		For DR 25, Deduct	*-18.22*	
33 14 13 23-0179	EA	6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	643.84	30.52
		For DR 25, Deduct	*-34.97*	
33 14 13 23-0180	EA	8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	891.80	33.91
		For DR 25, Deduct	*-49.44*	
33 14 13 23-0181	EA	10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,821.68	54.52
		For DR 25, Deduct	*-102.76*	
33 14 13 23-0182	EA	12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,160.50	68.16
		For DR 25, Deduct	*-121.45*	
33 14 13 23-0183	EA	14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,933.22	90.87
		For DR 25, Deduct	*-225.09*	
33 14 13 23-0184	EA	16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,881.09	113.59
		For DR 25, Deduct	*-279.25*	
33 14 13 23-0185	EA	18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,218.87	181.73
		For DR 25, Deduct	*-351.32*	
33 14 13 23-0186	EA	20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,468.00	227.17
		For DR 25, Deduct	*-420.82*	
33 14 13 23-0187	EA	24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	10,534.55	306.68
		For DR 25, Deduct	*-595.27*	

33 14 13 23-0188 Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*

33 14 13 23-0189	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	624.34	28.83
		For DR 25, Deduct	*-34.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0190	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	848.28	30.52
		For DR 25, Deduct	*-47.23*	
33 14 13 23-0191	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	869.91	32.22
		For DR 25, Deduct	*-48.33*	
33 14 13 23-0192	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,306.01	40.89
		For DR 25, Deduct	*-73.45*	
33 14 13 23-0193	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,523.01	42.59
		For DR 25, Deduct	*-86.27*	
33 14 13 23-0194	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,673.17	44.30
		For DR 25, Deduct	*-95.07*	
33 14 13 23-0195	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,717.06	59.07
		For DR 25, Deduct	*-95.94*	
33 14 13 23-0196	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,973.74	60.77
		For DR 25, Deduct	*-111.13*	
33 14 13 23-0197	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,096.01	62.47
		For DR 25, Deduct	*-118.26*	
33 14 13 23-0198	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,143.08	72.69
		For DR 25, Deduct	*-119.86*	
33 14 13 23-0199	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,242.45	68.16
		For DR 25, Deduct	*-186.37*	
33 14 13 23-0200	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,374.51	69.86
		For DR 25, Deduct	*-194.09*	
33 14 13 23-0201	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,508.00	71.56
		For DR 25, Deduct	*-201.89*	
33 14 13 23-0202	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,657.98	81.78
		For DR 25, Deduct	*-209.66*	
33 14 13 23-0203	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,822.87	99.96
		For DR 25, Deduct	*-217.38*	
33 14 13 23-0204	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,043.34	81.78
		For DR 25, Deduct	*-232.79*	
33 14 13 23-0205	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,177.14	83.48
		For DR 25, Deduct	*-240.61*	
33 14 13 23-0206	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,309.51	85.18
		For DR 25, Deduct	*-248.35*	
33 14 13 23-0207	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,459.37	95.41
		For DR 25, Deduct	*-256.11*	
33 14 13 23-0208	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,532.37	113.59
		For DR 25, Deduct	*-258.31*	
33 14 13 23-0209	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,771.29	122.67
		For DR 25, Deduct	*-271.56*	
33 14 13 23-0210	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,992.38	104.50
		For DR 25, Deduct	*-287.00*	
33 14 13 23-0211	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,125.87	106.20
		For DR 25, Deduct	*-294.81*	
33 14 13 23-0212	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,258.44	107.91
		For DR 25, Deduct	*-302.56*	
33 14 13 23-0213	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,406.37	118.13
		For DR 25, Deduct	*-310.21*	
33 14 13 23-0214	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,572.80	136.30
		For DR 25, Deduct	*-318.01*	
33 14 13 23-0215	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,719.54	145.39
		For DR 25, Deduct	*-325.73*	
33 14 13 23-0216	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,906.79	159.02
		For DR 25, Deduct	*-335.33*	
33 14 13 23-0217	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,329.91	127.21
		For DR 25, Deduct	*-364.53*	
33 14 13 23-0218	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,553.28	128.92
		For DR 25, Deduct	*-377.73*	
33 14 13 23-0219	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,642.76	130.63
		For DR 25, Deduct	*-382.89*	
33 14 13 23-0220	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,748.34	140.85
		For DR 25, Deduct	*-388.00*	
33 14 13 23-0221	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,869.84	159.02
		For DR 25, Deduct	*-393.11*	
33 14 13 23-0222	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,025.59	168.11
		For DR 25, Deduct	*-401.36*	
33 14 13 23-0223	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,193.19	181.73
		For DR 25, Deduct	*-409.78*	
33 14 13 23-0224	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,330.77	204.46
		For DR 25, Deduct	*-415.31*	
33 14 13 23-0225	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,398.84	166.97
		For DR 25, Deduct	*-423.89*	
33 14 13 23-0226	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,536.17	168.68
		For DR 25, Deduct	*-431.93*	
33 14 13 23-0227	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,632.39	170.38
		For DR 25, Deduct	*-437.50*	
33 14 13 23-0228	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,028.25	180.60
		For DR 25, Deduct	*-460.02*	
33 14 13 23-0229	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,440.15	198.77
		For DR 25, Deduct	*-482.56*	
33 14 13 23-0230	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,833.80	207.86
		For DR 25, Deduct	*-505.08*	
33 14 13 23-0231	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,238.15	221.50
		For DR 25, Deduct	*-527.71*	
33 14 13 23-0232	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,658.25	244.21
		For DR 25, Deduct	*-550.19*	
33 14 13 23-0233	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	10,079.98	266.93
		For DR 25, Deduct	*-572.77*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0234		Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*		
33 14 13 23-0235	EA	4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	129.53	13.57
		For DR 25, Deduct	*-6.14*	
33 14 13 23-0236	EA	6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	241.89	15.26
		For DR 25, Deduct	*-12.68*	
33 14 13 23-0237	EA	8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	291.21	16.96
		For DR 25, Deduct	*-15.44*	
33 14 13 23-0238	EA	10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	414.43	27.26
		For DR 25, Deduct	*-21.59*	
33 14 13 23-0239	EA	12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	659.53	34.08
		For DR 25, Deduct	*-35.48*	
33 14 13 23-0240	EA	14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,144.67	45.43
		For DR 25, Deduct	*-63.23*	
33 14 13 23-0241	EA	16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,355.91	56.79
		For DR 25, Deduct	*-74.54*	
33 14 13 23-0242	EA	18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,247.41	90.87
		For DR 25, Deduct	*-183.94*	
33 14 13 23-0243	EA	20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,640.23	113.59
		For DR 25, Deduct	*-204.78*	
33 14 13 23-0244	EA	24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,125.72	153.34
		For DR 25, Deduct	*-289.14*	
33 14 13 23-0245		Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0075)*		
33 14 13 23-0246	EA	4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	160.71	13.57
		For DR 25, Deduct	*-8.01*	
33 14 13 23-0247	EA	6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	218.48	15.26
		For DR 25, Deduct	*-11.28*	
33 14 13 23-0248	EA	8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	317.86	16.96
		For DR 25, Deduct	*-17.04*	
33 14 13 23-0249	EA	10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	435.22	27.26
		For DR 25, Deduct	*-22.84*	
33 14 13 23-0250	EA	12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	697.40	45.43
		For DR 25, Deduct	*-36.39*	
33 14 13 23-0251	EA	14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,853.17	54.52
		For DR 25, Deduct	*-104.65*	
33 14 13 23-0252	EA	16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,508.73	68.16
		For DR 25, Deduct	*-142.35*	
33 14 13 23-0253	EA	18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,090.90	90.87
		For DR 25, Deduct	*-174.55*	
33 14 13 23-0254	EA	20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,692.64	113.59
		For DR 25, Deduct	*-207.93*	
33 14 13 23-0255	EA	24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,016.36	153.34
		For DR 25, Deduct	*-282.58*	
33 14 13 23-0256		Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*		
33 14 13 23-0257		Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0256)*		
33 14 13 23-0258	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.56	0.90
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0259	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.83	0.97
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0260	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.30	1.06
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0261	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.80	1.17
		For >1,000, Deduct	*-0.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0262	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.89	1.32
		For >1,000, Deduct	*-0.24*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.24*	
33 14 13 23-0263	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.29	1.49
		For >1,000, Deduct	*-0.31*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.38*	
33 14 13 23-0264	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	7.64	1.65
		For >1,000, Deduct	*-0.38*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.52*	
33 14 13 23-0265	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	10.81	2.04
		For >1,000, Deduct	*-0.54*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.86*	
33 14 13 23-0266	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	18.92	2.59
		For >1,000, Deduct	*-0.95*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.86*	
33 14 13 23-0267	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	30.16	3.63
		For >1,000, Deduct	*-1.51*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.16*	
33 14 13 23-0268	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	44.93	4.86
		For >1,000, Deduct	*-2.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*4.92*	
33 14 13 23-0269	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	62.53	6.54
		For >1,000, Deduct	*-3.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*6.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0270		**90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0256)*		
33 14 13 23-0271	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	27.48	10.85
33 14 13 23-0272	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	34.73	13.57
33 14 13 23-0273	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	43.72	16.96
33 14 13 23-0274	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	65.06	18.76
33 14 13 23-0275	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	70.49	21.03
33 14 13 23-0276	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	83.33	23.85
33 14 13 23-0277	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	92.97	26.59
33 14 13 23-0278	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	128.69	32.64
33 14 13 23-0279	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	184.84	41.48
33 14 13 23-0280	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	298.21	54.45
33 14 13 23-0281	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	367.22	72.85
33 14 13 23-0282	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	485.58	98.05
33 14 13 23-0283		**45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0256)*		
33 14 13 23-0284	EA	3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	27.96	10.85
33 14 13 23-0285	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	35.07	13.57
33 14 13 23-0286	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	43.93	16.96
33 14 13 23-0287	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	58.69	18.76
33 14 13 23-0288	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	71.08	21.03
33 14 13 23-0289	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	85.73	23.85
33 14 13 23-0290	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	91.96	26.59
33 14 13 23-0291	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	126.50	32.64
33 14 13 23-0292	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	180.42	41.48
33 14 13 23-0293	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	289.79	54.45
33 14 13 23-0294	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	332.32	72.85
33 14 13 23-0295	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	437.28	98.05
33 14 13 23-0296		**Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0256)*		
33 14 13 23-0297	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	41.19	16.28
33 14 13 23-0298	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	51.98	20.46
33 14 13 23-0299	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	65.16	25.55
33 14 13 23-0300	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	89.76	28.27
33 14 13 23-0301	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	102.10	31.43
33 14 13 23-0302	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	118.77	35.84
33 14 13 23-0303	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	142.17	39.77
33 14 13 23-0304	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	186.54	49.02
33 14 13 23-0305	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	307.75	62.32
33 14 13 23-0306	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	460.29	81.68
33 14 13 23-0307	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	550.00	116.65
33 14 13 23-0308	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	689.07	156.97
33 14 13 23-0309		**Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0256)*		
33 14 13 23-0310	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	18.39	7.24
33 14 13 23-0311	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	24.83	9.73
33 14 13 23-0312	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	33.13	12.77
33 14 13 23-0313	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	45.89	14.13
33 14 13 23-0314	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	50.62	15.72
33 14 13 23-0315	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	57.58	17.86
33 14 13 23-0316	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	65.78	19.88
33 14 13 23-0317	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	90.06	24.46
33 14 13 23-0318	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	128.47	31.16
33 14 13 23-0319	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	217.45	40.83
33 14 13 23-0320	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	261.31	58.38
33 14 13 23-0321	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	333.49	78.49
33 14 13 23-0322		**Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0323		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0322)*		
33 14 13 23-0324	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.81	0.90
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.08*	
33 14 13 23-0325	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.30	0.97
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0326	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.24	1.17
		For >1,000, Deduct	*-0.21*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.20*	
33 14 13 23-0327	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.06	1.32
		For >1,000, Deduct	*-0.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.27*	
33 14 13 23-0328	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.55	1.49
		For >1,000, Deduct	*-0.33*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.42*	
33 14 13 23-0329	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.80	1.65
		For >1,000, Deduct	*-0.39*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.55*	
33 14 13 23-0330	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	10.36	2.04
		For >1,000, Deduct	*-0.52*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0331	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	15.67	2.59
		For >1,000, Deduct	*-0.78*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.38*	
33 14 13 23-0332		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0322)*		
33 14 13 23-0333	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	27.65	10.85
33 14 13 23-0334	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.83	13.57
33 14 13 23-0335	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	48.42	18.76
33 14 13 23-0336	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	54.69	21.03
33 14 13 23-0337	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	65.58	23.85
33 14 13 23-0338	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	73.55	26.59
33 14 13 23-0339	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	96.19	32.64
33 14 13 23-0340	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	150.03	41.48
33 14 13 23-0341		**Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0322)*		
33 14 13 23-0342	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	27.61	10.85
33 14 13 23-0343	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.79	13.57
33 14 13 23-0344	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	48.44	18.76
33 14 13 23-0345	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	54.52	21.03
33 14 13 23-0346	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	65.13	23.85
33 14 13 23-0347	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	73.02	26.59
33 14 13 23-0348	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	95.12	32.64
33 14 13 23-0349	EA	6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	146.61	41.48
33 14 13 23-0350		**Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0322)*		
33 14 13 23-0351	EA	3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	41.37	16.28
33 14 13 23-0352	EA	1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	52.12	20.46
33 14 13 23-0353	EA	1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	72.43	28.27
33 14 13 23-0354	EA	2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	81.43	31.43
33 14 13 23-0355	EA	2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	98.62	35.84
33 14 13 23-0356	EA	3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	112.52	39.77
33 14 13 23-0357	EA	4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	139.91	49.02
33 14 13 23-0358	EA	6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	228.33	62.32
33 14 13 23-0359		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0322)*		
33 14 13 23-0360	EA	3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	18.48	7.24
33 14 13 23-0361	EA	1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	24.90	9.73
33 14 13 23-0362	EA	1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	36.11	14.13
33 14 13 23-0363	EA	2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	40.71	15.72
33 14 13 23-0364	EA	2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	47.73	17.86
33 14 13 23-0365	EA	3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	54.36	19.88
33 14 13 23-0366	EA	4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	67.34	24.46
33 14 13 23-0367	EA	6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	98.93	31.16
33 14 13 23-0368		**Crosses, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0322)*		
33 14 13 23-0369	EA	3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	55.31	21.71
33 14 13 23-0370	EA	1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	69.40	27.24
33 14 13 23-0371	EA	1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	96.56	37.65
33 14 13 23-0372	EA	2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	108.57	41.95
33 14 13 23-0373	EA	2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	131.45	47.71
33 14 13 23-0374	EA	3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	149.95	53.07
33 14 13 23-0375	EA	4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	186.43	65.29
33 14 13 23-0376	EA	6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	304.02	83.06
33 14 13 23-0377		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0378		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0377)*		
33 14 13 23-0379	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.57	0.97
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.17*	
33 14 13 23-0380	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.77	1.17
		For >1,000, Deduct	*-0.24*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.28*	
33 14 13 23-0381	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.96	1.32
		For >1,000, Deduct	*-0.30*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.40*	
33 14 13 23-0382	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.72	1.49
		For >1,000, Deduct	*-0.39*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.60*	
33 14 13 23-0383	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	9.45	1.65
		For >1,000, Deduct	*-0.47*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.80*	
33 14 13 23-0384	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	12.88	2.04
		For >1,000, Deduct	*-0.64*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.17*	
33 14 13 23-0385	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	21.27	2.59
		For >1,000, Deduct	*-1.06*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0386		**Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0377)*		
33 14 13 23-0387	EA	1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	36.22	13.57
33 14 13 23-0388	EA	1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	48.42	18.76
33 14 13 23-0389	EA	2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	56.08	21.03
33 14 13 23-0390	EA	2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	68.54	23.85
33 14 13 23-0391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	76.30	26.59
33 14 13 23-0392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	96.85	32.64
33 14 13 23-0393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	146.90	41.48
33 14 13 23-0394		**Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0377)*		
33 14 13 23-0395	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	41.93	13.57
33 14 13 23-0396	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	53.92	18.76
33 14 13 23-0397	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	61.37	21.03
33 14 13 23-0398	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	78.45	23.85
33 14 13 23-0399	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	89.21	26.59
33 14 13 23-0400	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	122.81	32.64
33 14 13 23-0401	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	145.16	41.48
33 14 13 23-0402		**Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0377)*		
33 14 13 23-0403	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	55.04	20.46
33 14 13 23-0404	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	81.30	28.27
33 14 13 23-0405	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	92.01	31.43
33 14 13 23-0406	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	104.22	35.84
33 14 13 23-0407	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	117.88	39.77
33 14 13 23-0408	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	143.77	49.02
33 14 13 23-0409	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	228.19	62.32
33 14 13 23-0410		**Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0377)*		
33 14 13 23-0411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	26.99	9.73
33 14 13 23-0412	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	39.70	14.13
33 14 13 23-0413	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	44.08	15.72
33 14 13 23-0414	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	56.39	17.86
33 14 13 23-0415	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	63.10	19.88
33 14 13 23-0416	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	77.95	24.46
33 14 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	113.75	31.16
33 14 13 23-0418		**Crosses, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0377)*		
33 14 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	73.28	27.24
33 14 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	108.34	37.65
33 14 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	122.61	41.95
33 14 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	138.88	47.71
33 14 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	157.06	53.07
33 14 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	191.56	65.29
33 14 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	303.84	83.06
33 14 13 23-0426		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0427		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe** *(33 14 13 23-0426)*		
33 14 13 23-0428	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	58.83	3.48
33 14 13 23-0429	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	83.77	3.74
33 14 13 23-0430	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	113.15	4.34
33 14 13 23-0431	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	154.13	5.57
33 14 13 23-0432	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	176.38	6.78
33 14 13 23-0433		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows** *(33 14 13 23-0426)*		
33 14 13 23-0434	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	745.60	50.50
33 14 13 23-0435	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,568.52	84.67
33 14 13 23-0436	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,728.96	92.42
33 14 13 23-0437	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	6,464.10	99.99
33 14 13 23-0438	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	8,752.25	107.57
33 14 13 23-0439		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(33 14 13 23-0426)*		
33 14 13 23-0440	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,045.92	50.50
33 14 13 23-0441	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,265.55	84.67
33 14 13 23-0442	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,710.77	92.42
33 14 13 23-0443	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,345.40	99.99
33 14 13 23-0444	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,786.93	107.57
33 14 13 23-0445		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(33 14 13 23-0426)*		
33 14 13 23-0446	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,446.03	80.80
33 14 13 23-0447	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,131.98	120.75
33 14 13 23-0448	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,819.63	128.79
33 14 13 23-0449	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	6,866.14	136.36
33 14 13 23-0450	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	9,681.56	143.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0451		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees** *(33 14 13 23-0426)*		
33 14 13 23-0452	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,421.23	76.75
33 14 13 23-0453	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,548.73	108.97
33 14 13 23-0454	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,767.16	114.72
33 14 13 23-0455	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,004.81	110.41
33 14 13 23-0456	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,225.94	116.22
33 14 13 23-0457	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,539.49	122.34
33 14 13 23-0458	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,938.79	111.07
33 14 13 23-0459	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,321.02	116.91
33 14 13 23-0460	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,808.11	123.06
33 14 13 23-0461	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,370.90	129.54
33 14 13 23-0462	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,998.87	111.37
33 14 13 23-0463	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,687.70	117.23
33 14 13 23-0464	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,230.19	123.40
33 14 13 23-0465	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,066.57	129.89
33 14 13 23-0466	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,943.09	136.73
33 14 13 23-0467		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes** *(33 14 13 23-0426)*		
33 14 13 23-0468	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	1,460.42	80.80
33 14 13 23-0469	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,463.69	120.75
33 14 13 23-0470	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,333.06	128.79
33 14 13 23-0471	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	10,809.72	136.36
33 14 13 23-0472	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	13,491.10	143.92
33 14 13 23-0473		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes** *(33 14 13 23-0426)*		
33 14 13 23-0474	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,271.62	76.75
33 14 13 23-0475	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,770.47	108.97
33 14 13 23-0476	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,050.83	114.72
33 14 13 23-0477	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,361.92	110.41
33 14 13 23-0478	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,492.24	116.22
33 14 13 23-0479	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	3,016.52	122.34
33 14 13 23-0480	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,207.26	111.07
33 14 13 23-0481	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,624.83	116.91
33 14 13 23-0482	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,820.12	129.54
33 14 13 23-0483	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,224.80	111.37
33 14 13 23-0484	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,197.73	117.23
33 14 13 23-0485	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,068.35	123.40
33 14 13 23-0486	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,740.65	129.89
33 14 13 23-0487	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	10,928.80	136.73
33 14 13 23-0488		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0489	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	676.84	50.50
33 14 13 23-0490	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	917.69	84.67
33 14 13 23-0491	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,271.45	92.42
33 14 13 23-0492	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,526.97	99.99
33 14 13 23-0493	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,765.41	107.57
33 14 13 23-0494		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0495	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	921.17	47.97
33 14 13 23-0496	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	677.07	45.57
33 14 13 23-0497	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	938.98	80.44
33 14 13 23-0498	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,818.88	76.42
33 14 13 23-0499	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,695.44	72.59
33 14 13 23-0500	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,330.97	68.97
33 14 13 23-0501	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	837.27	87.79
33 14 13 23-0502	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,440.42	83.40
33 14 13 23-0503	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,056.24	79.23
33 14 13 23-0504	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,778.57	75.26
33 14 13 23-0505	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,628.74	94.98
33 14 13 23-0506	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,221.93	90.23
33 14 13 23-0507	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,639.13	85.72
33 14 13 23-0508	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,484.08	81.44
33 14 13 23-0509	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,302.51	77.37
33 14 13 23-0510	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,017.76	102.19
33 14 13 23-0511		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings** *(33 14 13 23-0426)*		
33 14 13 23-0512	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	814.54	85.72
33 14 13 23-0513	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,435.34	81.44
33 14 13 23-0514	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,088.53	81.44
33 14 13 23-0515	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,781.24	77.37
33 14 13 23-0516	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,874.74	73.50
33 14 13 23-0517	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,787.31	69.83
33 14 13 23-0518	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,636.68	77.37
33 14 13 23-0519	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,983.17	73.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0520	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,919.33	69.83
33 14 13 23-0521	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,122.38	66.33
33 14 13 23-0522	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,970.01	73.50
33 14 13 23-0523	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,287.84	69.83
33 14 13 23-0524	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,109.69	66.33
33 14 13 23-0525	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,010.65	63.02
33 14 13 23-0526	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,812.00	59.86
33 14 13 23-0527	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,532.14	97.08

33 14 13 23-0528 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges *(33 14 13 23-0426)*

33 14 13 23-0529	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	898.64	50.50
33 14 13 23-0530	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,071.09	84.67
33 14 13 23-0531	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,021.14	92.42
33 14 13 23-0532	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,393.95	99.99
33 14 13 23-0533	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	4,198.92	107.57
33 14 13 23-0534	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	28.15	
33 14 13 23-0535	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	36.68	
33 14 13 23-0536	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	50.48	
33 14 13 23-0537	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	107.98	
33 14 13 23-0538	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	191.57	
33 14 13 23-0539	EA	Zinc Coated Flange Hardware Kit	179.88	

33 14 13 23-0540 AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23)*

Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

33 14 13 23-0541 High-Density Polyethylene (HDPE) Pressure Pipe *(33 14 13 23-0540)*

33 14 13 23-0542	LF	3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	8.08	3.12
		For SDR 19, Add	*0.16*	
		For SDR 17, Add	*0.39*	
		For SDR 15.5, Add	*0.58*	
		For SDR 13.5, Add	*0.90*	
		For SDR 11, Add	*1.45*	
33 14 13 23-0543	LF	4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	9.58	3.97
		For SDR 26, Deduct	*-0.30*	
		For SDR 19, Add	*0.15*	
		For SDR 17, Add	*0.36*	
		For SDR 15.5, Add	*0.53*	
		For SDR 13.5, Add	*0.83*	
		For SDR 11, Add	*1.34*	
33 14 13 23-0544	LF	6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	13.15	4.81
		For SDR 26, Deduct	*-0.65*	
		For SDR 19, Add	*0.32*	
		For SDR 17, Add	*0.79*	
		For SDR 15.5, Add	*1.15*	
		For SDR 13.5, Add	*1.80*	
		For SDR 11, Add	*2.89*	
33 14 13 23-0545	LF	8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	16.83	5.40
		For SDR 26, Deduct	*-1.10*	
		For SDR 19, Add	*0.54*	
		For SDR 17, Add	*1.34*	
		For SDR 15.5, Add	*1.96*	
		For SDR 13.5, Add	*3.05*	
		For SDR 11, Add	*4.91*	
33 14 13 23-0546	LF	10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	21.36	6.01
		For SDR 26, Deduct	*-1.71*	
		For SDR 19, Add	*0.84*	
		For SDR 17, Add	*2.08*	
		For SDR 15.5, Add	*3.04*	
		For SDR 13.5, Add	*4.75*	
		For SDR 11, Add	*7.64*	
33 14 13 23-0547	LF	12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	26.82	6.73
		For SDR 26, Deduct	*-2.47*	
		For SDR 19, Add	*1.21*	
		For SDR 17, Add	*3.00*	
		For SDR 15.5, Add	*4.39*	
		For SDR 13.5, Add	*6.85*	
		For SDR 11, Add	*11.02*	
33 14 13 23-0548	LF	14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	30.86	7.57
		For SDR 26, Deduct	*-2.90*	
		For SDR 19, Add	*1.43*	
		For SDR 17, Add	*3.52*	
		For SDR 15.5, Add	*5.15*	
		For SDR 13.5, Add	*8.05*	
		For SDR 11, Add	*12.95*	
33 14 13 23-0549	LF	16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	37.52	8.41
		For SDR 26, Deduct	*-3.79*	
		For SDR 19, Add	*1.86*	
		For SDR 17, Add	*4.60*	
		For SDR 15.5, Add	*6.74*	
		For SDR 13.5, Add	*10.51*	
		For SDR 11, Add	*16.92*	
33 14 13 23-0550	LF	18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	46.41	10.09
		For SDR 26, Deduct	*-4.80*	
		For SDR 19, Add	*2.35*	
		For SDR 17, Add	*5.81*	
		For SDR 15.5, Add	*8.51*	
		For SDR 13.5, Add	*13.29*	
		For SDR 11, Add	*21.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0551	LF	20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	81.02	12.01
		For SDR 26, Deduct	*-10.44*	
		For SDR 19, Add	*5.13*	
		For SDR 17, Add	*12.66*	
		For SDR 15.5, Add	*18.54*	
		For SDR 13.5, Add	*28.94*	
		For SDR 11, Add	*46.58*	
33 14 13 23-0552	LF	24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	75.39	14.42
		For SDR 26, Deduct	*-8.53*	
		For SDR 19, Add	*4.19*	
		For SDR 17, Add	*10.34*	
		For SDR 15.5, Add	*15.15*	
		For SDR 13.5, Add	*23.64*	
		For SDR 11, Add	*38.05*	

33 14 13 23-0553 90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0540)*

33 14 13 23-0554	EA	3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	64.63	16.96
		For SDR 26, Deduct	*-2.52*	
		For SDR 19, Add	*1.24*	
		For SDR 17, Add	*3.06*	
		For SDR 15.5, Add	*4.48*	
		For SDR 13.5, Add	*6.99*	
		For SDR 11, Add	*11.25*	
33 14 13 23-0555	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	72.92	18.85
		For SDR 26, Deduct	*-3.00*	
		For SDR 19, Add	*1.48*	
		For SDR 17, Add	*3.64*	
		For SDR 15.5, Add	*5.33*	
		For SDR 13.5, Add	*8.32*	
		For SDR 11, Add	*13.40*	
33 14 13 23-0556	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	108.17	21.54
		For SDR 26, Deduct	*-7.99*	
		For SDR 19, Add	*3.92*	
		For SDR 17, Add	*9.69*	
		For SDR 15.5, Add	*14.19*	
		For SDR 13.5, Add	*22.14*	
		For SDR 11, Add	*35.64*	
33 14 13 23-0557	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	166.53	25.15
		For SDR 26, Deduct	*-16.70*	
		For SDR 19, Add	*8.20*	
		For SDR 17, Add	*20.25*	
		For SDR 15.5, Add	*29.65*	
		For SDR 13.5, Add	*46.28*	
		For SDR 11, Add	*74.50*	
33 14 13 23-0558	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	252.61	33.58
		For SDR 26, Deduct	*-27.88*	
		For SDR 19, Add	*13.69*	
		For SDR 17, Add	*33.80*	
		For SDR 15.5, Add	*49.50*	
		For SDR 13.5, Add	*77.26*	
		For SDR 11, Add	*124.35*	
33 14 13 23-0559	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	373.44	50.26
		For SDR 26, Deduct	*-40.83*	
		For SDR 19, Add	*20.05*	
		For SDR 17, Add	*49.49*	
		For SDR 15.5, Add	*72.48*	
		For SDR 13.5, Add	*113.13*	
		For SDR 11, Add	*182.09*	
33 14 13 23-0560	EA	14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	466.63	67.07
		For SDR 26, Deduct	*-48.67*	
		For SDR 19, Add	*23.90*	
		For SDR 17, Add	*59.00*	
		For SDR 15.5, Add	*86.40*	
		For SDR 13.5, Add	*134.86*	
		For SDR 11, Add	*217.07*	
33 14 13 23-0561	EA	16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	619.38	100.50
		For SDR 26, Deduct	*-58.29*	
		For SDR 19, Add	*28.62*	
		For SDR 17, Add	*70.66*	
		For SDR 15.5, Add	*103.47*	
		For SDR 13.5, Add	*161.50*	
		For SDR 11, Add	*259.95*	
33 14 13 23-0562	EA	18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	771.90	113.06
		For SDR 26, Deduct	*-79.32*	
		For SDR 19, Add	*38.94*	
		For SDR 17, Add	*96.15*	
		For SDR 15.5, Add	*140.80*	
		For SDR 13.5, Add	*219.77*	
		For SDR 11, Add	*353.74*	
33 14 13 23-0563	EA	20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,039.61	128.32
		For SDR 26, Deduct	*-119.28*	
		For SDR 19, Add	*58.56*	
		For SDR 17, Add	*144.59*	
		For SDR 15.5, Add	*211.74*	
		For SDR 13.5, Add	*330.50*	
		For SDR 11, Add	*531.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0564	EA	24" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,320.94	150.82
		For SDR 26, Deduct	*-159.23*	
		For SDR 19, Add	*78.18*	
		For SDR 17, Add	*193.03*	
		For SDR 15.5, Add	*282.68*	
		For SDR 13.5, Add	*441.22*	
		For SDR 11, Add	*710.17*	
33 14 13 23-0565		Tees, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0540)*		
33 14 13 23-0566	EA	3" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	71.13	17.75
		For SDR 26, Deduct	*-3.30*	
		For SDR 19, Add	*1.62*	
		For SDR 17, Add	*4.00*	
		For SDR 15.5, Add	*5.85*	
		For SDR 13.5, Add	*9.14*	
		For SDR 11, Add	*14.71*	
33 14 13 23-0567	EA	4" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	81.45	20.10
		For SDR 26, Deduct	*-3.88*	
		For SDR 19, Add	*1.91*	
		For SDR 17, Add	*4.71*	
		For SDR 15.5, Add	*6.89*	
		For SDR 13.5, Add	*10.76*	
		For SDR 11, Add	*17.31*	
33 14 13 23-0568	EA	6" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	124.90	23.20
		For SDR 26, Deduct	*-10.15*	
		For SDR 19, Add	*4.98*	
		For SDR 17, Add	*12.30*	
		For SDR 15.5, Add	*18.01*	
		For SDR 13.5, Add	*28.12*	
		For SDR 11, Add	*45.26*	
33 14 13 23-0569	EA	8" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	222.63	27.42
		For SDR 26, Deduct	*-25.74*	
		For SDR 19, Add	*12.64*	
		For SDR 17, Add	*31.21*	
		For SDR 15.5, Add	*45.70*	
		For SDR 13.5, Add	*71.33*	
		For SDR 11, Add	*114.81*	
33 14 13 23-0570	EA	10" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	305.63	40.25
		For SDR 26, Deduct	*-33.91*	
		For SDR 19, Add	*16.65*	
		For SDR 17, Add	*41.11*	
		For SDR 15.5, Add	*60.21*	
		For SDR 13.5, Add	*93.97*	
		For SDR 11, Add	*151.25*	
33 14 13 23-0571	EA	12" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	433.57	60.38
		For SDR 26, Deduct	*-46.31*	
		For SDR 19, Add	*22.74*	
		For SDR 17, Add	*56.14*	
		For SDR 15.5, Add	*82.21*	
		For SDR 13.5, Add	*128.32*	
		For SDR 11, Add	*206.53*	
33 14 13 23-0572	EA	14" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	523.33	75.41
		For SDR 26, Deduct	*-54.48*	
		For SDR 19, Add	*26.75*	
		For SDR 17, Add	*66.04*	
		For SDR 15.5, Add	*96.72*	
		For SDR 13.5, Add	*150.96*	
		For SDR 11, Add	*242.98*	
33 14 13 23-0573	EA	16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	692.28	113.06
		For SDR 26, Deduct	*-64.70*	
		For SDR 19, Add	*31.77*	
		For SDR 17, Add	*78.43*	
		For SDR 15.5, Add	*114.85*	
		For SDR 13.5, Add	*179.26*	
		For SDR 11, Add	*288.54*	
33 14 13 23-0574	EA	18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	885.47	131.71
		For SDR 26, Deduct	*-89.89*	
		For SDR 19, Add	*44.14*	
		For SDR 17, Add	*108.97*	
		For SDR 15.5, Add	*159.58*	
		For SDR 13.5, Add	*249.08*	
		For SDR 11, Add	*400.91*	
33 14 13 23-0575	EA	20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,227.99	155.57
		For SDR 26, Deduct	*-138.58*	
		For SDR 19, Add	*68.04*	
		For SDR 17, Add	*167.99*	
		For SDR 15.5, Add	*246.02*	
		For SDR 13.5, Add	*384.00*	
		For SDR 11, Add	*618.07*	
33 14 13 23-0576	EA	24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,586.98	188.58
		For SDR 26, Deduct	*-187.28*	
		For SDR 19, Add	*91.95*	
		For SDR 17, Add	*227.02*	
		For SDR 15.5, Add	*332.46*	
		For SDR 13.5, Add	*518.92*	
		For SDR 11, Add	*835.23*	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36			**Steel Public Water Utility Distribution Piping** *(33 14 13)*		
33 14 13 36-0001			Steel Piping *(33 14 13 36)*		
33 14 13 36-0002			Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0001)* Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0060 for pipe linings.		
33 14 13 36-0003			Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*		
33 14 13 36-0004		LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	103.40	30.36
			For <100, Add	*12.07*	
			For >1,000, Deduct	*-5.17*	
33 14 13 36-0005		LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	121.67	30.36
			For <100, Add	*12.99*	
			For >1,000, Deduct	*-6.08*	
33 14 13 36-0006		LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	122.04	33.12
			For <100, Add	*13.63*	
			For >1,000, Deduct	*-6.10*	
33 14 13 36-0007		LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	145.14	33.12
			For <100, Add	*14.78*	
			For >1,000, Deduct	*-7.26*	
33 14 13 36-0008		LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	145.99	34.71
			For <100, Add	*15.19*	
			For >1,000, Deduct	*-7.30*	
33 14 13 36-0009		LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	163.96	34.71
			For <100, Add	*16.08*	
			For >1,000, Deduct	*-8.20*	
33 14 13 36-0010		LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	175.68	38.35
			For <100, Add	*17.50*	
			For >1,000, Deduct	*-8.78*	
33 14 13 36-0011		LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	190.04	38.35
			For <100, Add	*18.22*	
			For >1,000, Deduct	*-9.50*	
33 14 13 36-0012		LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	186.37	40.48
			For <100, Add	*18.52*	
			For >1,000, Deduct	*-9.32*	
33 14 13 36-0013		LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	197.46	40.48
			For <100, Add	*19.07*	
			For >1,000, Deduct	*-9.87*	
33 14 13 36-0014		LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	229.46	45.54
			For <100, Add	*21.82*	
			For >1,000, Deduct	*-11.47*	
33 14 13 36-0015		LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	247.63	45.54
			For <100, Add	*22.73*	
			For >1,000, Deduct	*-12.38*	
33 14 13 36-0016			5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*		
33 14 13 36-0017		LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	198.91	59.33
			For <100, Add	*19.27*	
			For >1,000, Deduct	*-9.95*	
33 14 13 36-0018		LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	235.01	65.27
			For <100, Add	*22.06*	
			For >1,000, Deduct	*-11.75*	
33 14 13 36-0019		LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	260.29	68.23
			For <100, Add	*23.89*	
			For >1,000, Deduct	*-13.01*	
33 14 13 36-0020		LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	293.58	77.14
			For <100, Add	*26.92*	
			For >1,000, Deduct	*-14.68*	
33 14 13 36-0021		LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	305.90	77.14
			For <100, Add	*27.53*	
			For >1,000, Deduct	*-15.30*	
33 14 13 36-0022		LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	317.30	77.14
			For <100, Add	*28.10*	
			For >1,000, Deduct	*-15.87*	
33 14 13 36-0023		LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	330.44	77.14
			For <100, Add	*28.76*	
			For >1,000, Deduct	*-16.52*	
33 14 13 36-0024		LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	382.74	89.00
			For <100, Add	*33.12*	
			For >1,000, Deduct	*-19.14*	
33 14 13 36-0025		LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	423.40	89.00
			For <100, Add	*35.16*	
			For >1,000, Deduct	*-21.17*	
33 14 13 36-0026		LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	523.18	89.00
			For <100, Add	*40.15*	
			For >1,000, Deduct	*-26.16*	
33 14 13 36-0027		LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	474.25	103.84
			For <100, Add	*40.03*	
			For >1,000, Deduct	*-23.71*	
33 14 13 36-0028		LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	490.88	103.84
			For <100, Add	*40.86*	
			For >1,000, Deduct	*-24.54*	
33 14 13 36-0029		LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	647.75	103.84
			For <100, Add	*48.70*	
			For >1,000, Deduct	*-32.39*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0030		LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	560.49	103.84
			For <100, Add	*44.34*	
			For >1,000, Deduct	*-28.02*	
33 14 13 36-0031		LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	657.81	124.60
			For <100, Add	*52.47*	
			For >1,000, Deduct	*-32.89*	
33 14 13 36-0032		LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	779.46	124.60
			For <100, Add	*58.55*	
			For >1,000, Deduct	*-38.97*	
33 14 13 36-0033		LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	749.07	124.60
			For <100, Add	*57.03*	
			For >1,000, Deduct	*-37.45*	

33 14 13 36-0034 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

33 14 13 36-0035		EA	2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	163.86	31.05
			For 7" Length, Add	*10.41*	
33 14 13 36-0036		EA	3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	228.17	59.72
			For 7" Length, Add	*10.87*	
33 14 13 36-0037		EA	4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	303.51	78.84
			For 7" Length, Add	*14.43*	
33 14 13 36-0038		EA	6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	490.34	119.44
			For 7" Length, Add	*25.15*	
33 14 13 36-0039		EA	8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	647.76	150.49
			For 7" Length, Add	*34.92*	
33 14 13 36-0040		EA	10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	892.05	174.04
			For 7" Length, Add	*54.40*	
33 14 13 36-0041		EA	12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,049.22	218.14
			For 7" Length, Add	*61.41*	
33 14 13 36-0042		EA	14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,131.51	218.14
			For 10" Length, Add	*40.04*	
33 14 13 36-0043		EA	16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,192.53	249.47
			For 10" Length, Add	*41.72*	
33 14 13 36-0044		EA	18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,311.70	266.87
			For 10" Length, Add	*46.68*	
33 14 13 36-0045		EA	20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,431.61	301.68
			For 10" Length, Add	*51.09*	
33 14 13 36-0046		EA	24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,847.97	319.09
			For 10" Length, Add	*72.59*	
33 14 13 36-0047		EA	30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,245.97	348.09
			For 10" Length, Add	*92.99*	
33 14 13 36-0048		EA	36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,648.46	391.60
			For 10" Length, Add	*111.92*	

33 14 13 39 Copper Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 39-0001 Type L Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0002		LF	1/2" Type L Copper Water Distribution Pipe	8.91	2.20
33 14 13 39-0003		LF	3/4" Type L Copper Water Distribution Pipe	11.48	2.47
33 14 13 39-0004		LF	1" Type L Copper Water Distribution Pipe	15.29	2.75
33 14 13 39-0005		LF	1-1/4" Type L Copper Water Distribution Pipe	19.29	3.29
33 14 13 39-0006		LF	1-1/2" Type L Copper Water Distribution Pipe	23.91	4.40
33 14 13 39-0007		LF	2" Type L Copper Water Distribution Pipe	35.43	5.49
33 14 13 39-0008		LF	2-1/2" Type L Copper Water Distribution Pipe	44.43	6.59
33 14 13 39-0009		LF	3" Type L Copper Water Distribution Pipe	56.22	7.25
33 14 13 39-0010		LF	3-1/2" Type L Copper Water Distribution Pipe	75.40	9.12
33 14 13 39-0011		LF	4" Type L Copper Water Distribution Pipe	99.84	11.53
33 14 13 39-0012		LF	5" Type L Copper Water Distribution Pipe	163.11	14.39
33 14 13 39-0013		LF	6" Type L Copper Water Distribution Pipe	211.33	17.36
33 14 13 39-0014		LF	8" Type L Copper Water Distribution Pipe	369.61	19.44

33 14 13 39-0015 Type K Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0016		LF	1/2" Type K Copper Water Distribution Pipe	9.56	2.20
33 14 13 39-0017		LF	3/4" Type K Copper Water Distribution Pipe	13.78	2.47
33 14 13 39-0018		LF	1" Type K Copper Water Distribution Pipe	17.58	2.75
33 14 13 39-0019		LF	1-1/4" Type K Copper Water Distribution Pipe	20.71	3.29
33 14 13 39-0020		LF	1-1/2" Type K Copper Water Distribution Pipe	26.01	4.40
33 14 13 39-0021		LF	2" Type K Copper Water Distribution Pipe	38.25	5.49
33 14 13 39-0022		LF	2-1/2" Type K Copper Water Distribution Pipe	52.26	6.59
33 14 13 39-0023		LF	3" Type K Copper Water Distribution Pipe	67.95	7.25
33 14 13 39-0024		LF	3-1/2" Type K Copper Water Distribution Pipe	89.19	9.12
33 14 13 39-0025		LF	4" Type K Copper Water Distribution Pipe	120.77	11.53
33 14 13 39-0026		LF	5" Type K Copper Water Distribution Pipe	206.41	14.39
33 14 13 39-0027		LF	6" Type K Copper Water Distribution Pipe	289.20	17.36
33 14 13 39-0028		LF	8" Type K Copper Water Distribution Pipe	513.32	19.44

33 14 13 39-0029 Copper Flare x Female Copper Flare Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15405

33 14 13 39-0030		EA	3/4" Copper Flare x Female Copper Flare Service Fitting Coupling	39.31	
33 14 13 39-0031		EA	1" Copper Flare x Female Copper Flare Service Fitting Coupling	54.90	
33 14 13 39-0032		EA	1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling	124.10	
33 14 13 39-0033		EA	2" Copper Flare x Female Copper Flare Service Fitting Coupling	157.98	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0034		Copper Flare x Female Iron Pipe Service Fitting Coupling *(33 14 13 39)*		
		Note: Mueller H-15450		
33 14 13 39-0035	EA	1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	43.52	
33 14 13 39-0036	EA	3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	39.46	
33 14 13 39-0037	EA	1" Copper Flare x Female Iron Pipe Service Fitting Coupling	53.64	
33 14 13 39-0038	EA	1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	77.47	
33 14 13 39-0039	EA	1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	98.82	
33 14 13 39-0040	EA	2" Copper Flare x Female Iron Pipe Service Fitting Coupling	153.56	
33 14 13 39-0041		Copper Flare x Male Iron Pipe Service Fitting Coupling *(33 14 13 39)*		
		Note: Mueller H-15425		
33 14 13 39-0042	EA	1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	38.38	
33 14 13 39-0043	EA	3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	39.55	
33 14 13 39-0044	EA	1" Copper Flare x Male Iron Pipe Service Fitting Coupling	52.53	
33 14 13 39-0045	EA	1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	77.47	
33 14 13 39-0046	EA	1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	102.82	
33 14 13 39-0047	EA	2" Copper Flare x Male Iron Pipe Service Fitting Coupling	158.52	
33 14 13 39-0048		Brass Fittings *(33 14 13 39)*		
33 14 13 39-0049		Brass Compression Reducer Coupling *(33 14 13 39-0048)*		
33 14 13 39-0050	EA	3/4" x 1" Brass Compression Reducer Coupling	53.80	17.52
33 14 13 39-0051	EA	1" x 3/4" Brass Compression Reducer Coupling	42.77	17.52
33 14 13 39-0052	EA	1-1/2" x 1" Brass Compression Reducer Coupling	89.35	26.59
33 14 13 39-0053	EA	2" x 1-1/2" Brass Compression Reducer Coupling	110.72	33.73
33 14 13 39-0054		Copper Compression x Male NPT Brass Coupling *(33 14 13 39-0048)*		
		Note: A. Y. McDonald 74753Q		
33 14 13 39-0055	EA	3/4" Copper Compression x Male NPT Brass Coupling	56.07	19.46
33 14 13 39-0056	EA	3/4" x 1" Copper Compression x Male NPT Brass Coupling	64.14	22.70
33 14 13 39-0057	EA	1" Copper Compression x Male NPT Brass Coupling	65.74	22.70
33 14 13 39-0058	EA	1" x 3/4" Copper Compression x Male NPT Brass Coupling	64.41	22.70
33 14 13 39-0059	EA	1-1/4" Copper Compression x Male NPT Brass Coupling	87.45	25.95
33 14 13 39-0060	EA	1-1/4" x 1" Copper Compression x Male NPT Brass Coupling	85.04	25.95
33 14 13 39-0061	EA	1-1/2" Copper Compression x Male NPT Brass Coupling	115.78	32.43
33 14 13 39-0062	EA	2" Copper Compression x Male NPT Brass Coupling	152.06	38.92
33 14 13 39-0063		Brass Nipples *(33 14 13 39-0048)*		
33 14 13 39-0064	EA	3/4" x 6" Long Brass Nipple	38.22	8.11
33 14 13 39-0065	EA	1" x 6" Long Brass Nipple	49.58	8.75
33 14 13 39-0066	EA	1-1/2" x 6" Long Brass Nipple	75.16	9.41
33 14 13 39-0067		Brass "H" Style Meter Insetters *(33 14 13 39-0048)*		
33 14 13 39-0068	EA	5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters	289.73	35.83
33 14 13 39-0069	EA	5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters	185.93	35.83
33 14 13 39-0070		Meter Setters - Resetter, Brass *(33 14 13 39-0048)*		
33 14 13 39-0071	EA	1" Meter, 10" High Brass Meter Setter - Resetter	766.94	35.83
		Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.		
33 14 13 43		**Public Water Utility Distribution Piping Coatings and Wraps** *(33 14 13)*		
33 14 13 43-0001		Pipe Coatings *(33 14 13 43)*		
33 14 13 43-0002		Epoxy Wrap And Pipe Coating *(33 14 13 43-0001)*		
		Note: Applied at fabrication shop.		
33 14 13 43-0003	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	4.58	
33 14 13 43-0004	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.09	
33 14 13 43-0005	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.95	
33 14 13 43-0006	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.30	
33 14 13 43-0007	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.86	
33 14 13 43-0008	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	9.16	
33 14 13 43-0009	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	12.03	
33 14 13 43-0010	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	19.01	
33 14 13 43-0011	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	40.97	
33 14 13 43-0012	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	46.82	
33 14 13 43-0013	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	52.67	
33 14 13 43-0014	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	58.52	
33 14 13 43-0015	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	64.38	
33 14 13 43-0016	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	70.20	
33 14 13 43-0017	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	76.08	
33 14 13 43-0018		Cement Coating With Fiberglass Or Wire Mesh Reinforcing *(33 14 13 43-0001)*		
		Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0019	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh	9.39	
		Note: Reinforcing applied at fabrication shop.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0020	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	11.56	
33 14 13 43-0021	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	14.45	
33 14 13 43-0022	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	16.10	
33 14 13 43-0023	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	18.18	
33 14 13 43-0024	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	21.28	
33 14 13 43-0025	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	24.17	
33 14 13 43-0026	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	27.27	
33 14 13 43-0027	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	30.31	
33 14 13 43-0028	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	36.36	
33 14 13 43-0029	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	45.45	
33 14 13 43-0030	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	54.54	
33 14 13 43-0031	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	63.63	
33 14 13 43-0032	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	72.72	
33 14 13 43-0033	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	81.81	
33 14 13 43-0034	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	90.90	
33 14 13 43-0035	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	99.99	
33 14 13 43-0036	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	109.09	
33 14 13 43-0037	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	118.18	
33 14 13 43-0038	LF	84" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	127.27	
33 14 13 43-0039	LF	90" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	136.36	
33 14 13 43-0040	LF	96" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	145.45	
33 14 13 43-0041	LF	102" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	154.54	
33 14 13 43-0042	LF	108" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	163.63	
33 14 13 43-0043	LF	114" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	172.72	
33 14 13 43-0044	LF	120" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	181.81	
33 14 13 43-0045	LF	126" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	190.90	
33 14 13 43-0046	LF	132" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	199.99	
33 14 13 43-0047	LF	138" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	209.08	
33 14 13 43-0048	LF	144" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	218.17	

33 14 13 43-0049 Epoxy Wrap And Fitting Coating *(33 14 13 43-0001)*

Note: Applied at fabrication shop.

33 14 13 43-0050	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating	10.75	
		For 1/2" Thick, Add	*0.49*	
33 14 13 43-0051	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating	13.65	
		For 1/2" Thick, Add	*0.65*	
33 14 13 43-0052	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating	19.82	
		For 1/2" Thick, Add	*0.85*	
33 14 13 43-0053	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating	33.21	
		For 1/2" Thick, Add	*1.24*	
33 14 13 43-0054	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating	50.70	
		For 1/2" Thick, Add	*1.83*	
33 14 13 43-0055	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating	79.42	
		For 1/2" Thick, Add	*2.80*	
33 14 13 43-0056	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating	121.90	
		For 1/2" Thick, Add	*3.61*	
33 14 13 43-0057	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating	165.21	
		For 1/2" Thick, Add	*3.72*	
33 14 13 43-0058	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating	225.15	
		For 1/2" Thick, Add	*4.45*	
33 14 13 43-0059	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating	327.42	
		For 1/2" Thick, Add	*6.23*	

33 14 13 43-0060 Cement Pipe Lining *(33 14 13 43)*

33 14 13 43-0061 Cement Pipe Lining *(33 14 13 43-0060)*

Note: Shop applied.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0062	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining	14.56	
		For 1/2" Thick, Add	*1.25*	
33 14 13 43-0063	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining	18.10	
		For 1/2" Thick, Add	*1.54*	
33 14 13 43-0064	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining	22.09	
		For 1/2" Thick, Add	*1.93*	
33 14 13 43-0065	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining	28.65	
		For 1/2" Thick, Add	*2.41*	
33 14 13 43-0066	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining	35.26	
		For 1/2" Thick, Add	*2.90*	
33 14 13 43-0067	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining	44.99	
		For 1/2" Thick, Add	*3.39*	
33 14 13 43-0068	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining	58.20	
		For 1/2" Thick, Add	*3.85*	
33 14 13 43-0069	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining	69.50	
		For 1/2" Thick, Add	*3.69*	
33 14 13 43-0070	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining	83.86	
		For 1/2" Thick, Add	*4.11*	
33 14 13 43-0071	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining	101.66	
		For 1/2" Thick, Add	*4.92*	
33 14 13 43-0072	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining	122.40	
		For 1/2" Thick, Add	*6.16*	
33 14 13 43-0073	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining	147.30	
		For 1/2" Thick, Add	*7.39*	
33 14 13 43-0074	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining	171.89	
		For 1/2" Thick, Add	*6.34*	
33 14 13 43-0075	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining	196.37	
		For 1/2" Thick, Add	*7.24*	
33 14 13 43-0076	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining	220.94	
		For 1/2" Thick, Add	*8.15*	
33 14 13 43-0077	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining	245.53	
		For 1/2" Thick, Add	*9.05*	
33 14 13 43-0078	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining	270.02	
		For 1/2" Thick, Add	*5.31*	
33 14 13 43-0079	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining	294.60	
		For 1/2" Thick, Add	*5.79*	
33 14 13 43-0080	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining	319.18	
		For 1/2" Thick, Add	*6.28*	
33 14 13 43-0081	LF	84" Outside Diameter, 7/16" Thick Cement Pipe Lining	343.67	
		For 1/2" Thick, Add	*6.76*	
33 14 13 43-0082	LF	90" Outside Diameter, 7/16" Thick Cement Pipe Lining	368.25	
		For 1/2" Thick, Add	*7.24*	
33 14 13 43-0083	LF	96" Outside Diameter, 1/2" Thick Cement Pipe Lining	392.83	
33 14 13 43-0084	LF	102" Outside Diameter, 1/2" Thick Cement Pipe Lining	417.31	
33 14 13 43-0085	LF	108" Outside Diameter, 1/2" Thick Cement Pipe Lining	441.90	
33 14 13 43-0086	LF	114" Outside Diameter, 1/2" Thick Cement Pipe Lining	466.49	
33 14 13 43-0087	LF	120" Outside Diameter, 1/2" Thick Cement Pipe Lining	490.96	
33 14 13 43-0088	LF	126" Outside Diameter, 1/2" Thick Cement Pipe Lining	515.54	
33 14 13 43-0089	LF	132" Outside Diameter, 1/2" Thick Cement Pipe Lining	540.14	
33 14 13 43-0090	LF	138" Outside Diameter, 1/2" Thick Cement Pipe Lining	564.61	
33 14 13 43-0091	LF	144" Outside Diameter, 1/2" Thick Cement Pipe Lining	589.19	

33 14 13 43-0092 Cement Fitting Lining *(33 14 13 43-0060)*

Note: Shop applied.

33 14 13 43-0093	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining	15.53	
		For 1/2" Thick, Add	*1.45*	
33 14 13 43-0094	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining	20.02	
		For 1/2" Thick, Add	*1.93*	
33 14 13 43-0095	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining	28.10	
		For 1/2" Thick, Add	*2.50*	
33 14 13 43-0096	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining	46.27	
		For 1/2" Thick, Add	*3.85*	
33 14 13 43-0097	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining	70.51	
		For 1/2" Thick, Add	*5.79*	
33 14 13 43-0098	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining	104.41	
		For 1/2" Thick, Add	*7.80*	
33 14 13 43-0099	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining	153.91	
		For 1/2" Thick, Add	*10.01*	
33 14 13 43-0100	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	208.49	
		For 1/2" Thick, Add	*11.08*	
33 14 13 43-0101	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining	279.39	
		For 1/2" Thick, Add	*13.67*	
33 14 13 43-0102	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining	406.65	
		For 1/2" Thick, Add	*19.70*	

33 14 13 43-0103 8 Mil Polyethylene Encasement Tubing *(33 14 13 43)*

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0104	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	1.07	
33 14 13 43-0105	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.78	
33 14 13 43-0106	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	2.24	
33 14 13 43-0107	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	2.84	
33 14 13 43-0108	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	3.92	
33 14 13 43-0109	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	5.07	
33 14 13 43-0110	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	6.45	
33 14 13 43-0111	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	7.69	
33 14 13 43-0112	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	9.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0113	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	10.19	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 14 13)*

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 14 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	274.36	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	380.32	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	393.42	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	326.60	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	408.55	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	341.63	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	428.04	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	383.59	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	450.96	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	400.32	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	462.31	

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	233.22	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	233.37	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	248.33	
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	236.98	
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	253.49	
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	279.58	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	297.25	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	272.48	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	298.78	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	314.05	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	287.57	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	314.67	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	329.88	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	303.14	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	329.50	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	344.52	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	493.76	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	506.86	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	327.58	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	359.17	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	373.19	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	582.07	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	365.05	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	402.70	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	647.75	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	396.09	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	435.84	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	451.66	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	720.59	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	458.97	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	490.38	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	526.97	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	879.47	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	472.07	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	534.59	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	556.79	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	943.96	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	493.16	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	557.93	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	580.68	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	982.14	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	543.78	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	626.16	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	616.43	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	681.26	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	643.54	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	724.49	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	318.03	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	346.98	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	361.16	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	390.38	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	400.99	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	421.41	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	390.68	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	415.11	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	489.77	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	528.64	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	723.97	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	815.33	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	839.74	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	934.90	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	333.10	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	366.00	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	378.96	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	410.71	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	422.99	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	444.59	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	474.55	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	507.26	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	509.93	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	551.40	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	773.93	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	885.98	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	899.02	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	977.92	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,957.37	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,957.37	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,032.08	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,032.08	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,181.12	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,181.12	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,458.03	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,761.96	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,103.76	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,223.50	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,343.87	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,510.44	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,583.32	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,540.40	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,706.30	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,106.93	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,210.50	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,975.15	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,162.29	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,247.82	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,286.03	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,552.89	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,544.97	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,571.18	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,780.00	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,831.17	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,887.23	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,018.69	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,274.38	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,466.25	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,934.60	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,073.43	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,485.66	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,828.26	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,476.90	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,657.10	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,729.00	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,077.16	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,563.17	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,832.78	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,861.61	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,027.34	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,075.92	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,646.40	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,862.77	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,915.17	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,377.43	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,599.68	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,200.87	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,280.48	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,397.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,442.14	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,501.63	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,718.19	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,576.47	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,634.44	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,825.08	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,496.99	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,775.90	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,859.86	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,047.51	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,649.67	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,884.36	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,322.18	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,392.03	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,792.08	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,287.52	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,610.49	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,752.87	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,824.92	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,090.52	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,798.16	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,967.13	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,927.96	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,056.63	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,234.51	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,066.80	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,235.58	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,525.74	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,597.63	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,993.99	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,662.66	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,947.69	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,809.90	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,964.75	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,173.05	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,121.17	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,297.06	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,381.92	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,509.15	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,596.75	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,633.42	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,733.99	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,029.91	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,872.60	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,983.86	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,249.33	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,015.25	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,139.44	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,290.28	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,640.27	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,095.56	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,444.17	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,441.96	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,626.49	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,020.28	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,476.01	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,718.11	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,970.45	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,221.90	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,414.04	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,903.88	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,236.90	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,279.15	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,653.84	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,854.27	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,284.98	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,854.10	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,546.48	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,920.21	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,083.47	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,883.05	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,329.10	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,192.91	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,248.02	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,443.35	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,397.33	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,907.56	

33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	348.48	69.60
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	436.77	87.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	575.75	121.04
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	742.42	142.23
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,149.84	160.38
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,285.15	181.57
33 14 13 53-0229		**Steel Body, Flanged Coupling Adapter** *(33 14 13 53)*		
33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	500.34	69.60
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	593.03	87.76
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	792.81	121.04
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	968.33	142.23
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,178.82	160.38
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,372.30	181.57
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,626.32	199.72
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,921.36	217.88
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,264.57	239.67
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,671.08	263.63
33 14 13 53-0240		**Steel Body, Flanged-Lock Restrained Coupling Adapters** *(33 14 13 53)*		
33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	446.93	87.76
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	600.82	121.04
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	667.40	142.23
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	962.28	160.38
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,219.76	181.57
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,367.09	199.72
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,602.64	217.88
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,797.29	239.67
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,153.68	263.63
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,587.24	290.02
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,315.23	318.95
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,152.87	350.91
33 14 13 53-0253		**Ductile Iron Body, Omni Coupling System** *(33 14 13 53)*		
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	161.93	48.41
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	199.17	57.49
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	246.15	69.60
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	309.21	87.76
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	413.56	121.04
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	501.20	142.23
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	621.70	160.38
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	725.49	181.57
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,005.64	199.72
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,246.43	217.88

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

33 14 19 00-0001 Water Utility Distribution Valves *(33 14 19)*

33 14 19 00-0002 Angle Valves *(33 14 19 00-0001)*

Note: For connecting meters to water service.

33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0002)*

Note: Nibco T-335Y

33 14 19 00-0004	EA	1/2" Threaded, Class 150, Bronze Angle Valve	108.58	20.76
33 14 19 00-0005	EA	3/4" Threaded, Class 150, Bronze Angle Valve	146.44	27.89
33 14 19 00-0006	EA	1" Threaded, Class 150, Bronze Angle Valve	196.45	34.38
33 14 19 00-0007	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve	252.78	43.19
33 14 19 00-0008	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve	314.80	49.94
33 14 19 00-0009	EA	2" Threaded, Class 150, Bronze Angle Valve	466.42	58.38
33 14 19 00-0010	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve	743.95	79.67
33 14 19 00-0011	EA	3" Threaded, Class 150, Bronze Angle Valve	1,123.29	91.97
33 14 19 00-0012		**Ball Meter Valves** *(33 14 19 00-0001)*		
33 14 19 00-0013	EA	3/4" Threaded Ball Meter Valve (Mueller B-20200)	150.23	32.43
33 14 19 00-0014	EA	1" Threaded Ball Meter Valve (Mueller B-20200)	199.06	34.38
33 14 19 00-0015	EA	1-1/2" Threaded Ball Meter Valve (Mueller B-20200)	358.75	58.38
33 14 19 00-0016	EA	2" Threaded Ball Meter Valve (Mueller B-20200)	470.30	59.02
33 14 19 00-0017		**Butterfly Valves** *(33 14 19 00-0001)*		
33 14 19 00-0018		**Lug Type Flanged, Cast Iron Disc, Butterfly Valves** *(33 14 19 00-0017)*		

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0019	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,152.93	220.53
33 14 19 00-0020	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,407.18	220.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0021	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,428.70	341.25
33 14 19 00-0022	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,680.78	341.25
33 14 19 00-0023	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,786.72	402.55
33 14 19 00-0024	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,038.80	402.55
33 14 19 00-0025	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,151.04	514.37
33 14 19 00-0026	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,401.67	514.37
33 14 19 00-0027	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,951.07	626.18
33 14 19 00-0028	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	3,951.07	626.18
33 14 19 00-0029	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,524.19	758.99
33 14 19 00-0030	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,776.26	758.99
33 14 19 00-0031	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	6,065.17	1,068.09
33 14 19 00-0032	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,724.34	1,068.09
33 14 19 00-0033	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	7,063.57	1,174.90
33 14 19 00-0034	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	7,871.95	1,174.90
33 14 19 00-0035	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	8,852.15	1,303.07
33 14 19 00-0036	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,1BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	9,708.34	1,303.07
33 14 19 00-0037	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	10,144.18	1,468.62
33 14 19 00-0038	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	10,998.92	1,468.62
33 14 19 00-0039		**Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** *(33 14 19 00-0017)* Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0040	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	16,938.48	1,802.40
33 14 19 00-0041	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	27,228.00	1,802.40
33 14 19 00-0042	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	16,887.63	1,802.40
33 14 19 00-0043	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	27,743.64	2,855.64
33 14 19 00-0044	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	54,793.54	3,807.52
33 14 19 00-0045	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	64,832.37	5,711.27
33 14 19 00-0046	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	82,242.78	7,139.09
33 14 19 00-0047	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	114,859.60	8,566.91
33 14 19 00-0048	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	143,911.15	10,280.29
33 14 19 00-0049	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	206,413.03	12,336.35
33 14 19 00-0050	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0051	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel Note: One required per valve.	10.00	
33 14 19 00-0052		Lug Type Flanged, Butterfly Valve, Cast Iron Body, Cast Iron Disc With 316 Stainless Steel Edge *(33 14 19 00-0017)* Note: AWWA C-504.		
33 14 19 00-0053		Aboveground Service *(33 14 19 00-0052)*		
33 14 19 00-0054		Valve *(33 14 19 00-0053)*		
33 14 19 00-0055	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504	2,008.37	203.05
33 14 19 00-0056	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504	2,196.16	340.40
33 14 19 00-0057	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	2,878.07	402.55
33 14 19 00-0058	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	3,385.39	514.37
33 14 19 00-0059	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	4,889.58	626.18
33 14 19 00-0060	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	5,168.14	760.36
33 14 19 00-0061	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	8,336.72	1,068.09
33 14 19 00-0062	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	9,728.38	1,174.90
33 14 19 00-0063	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	12,032.82	1,091.34
33 14 19 00-0064	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	14,425.73	1,229.99
33 14 19 00-0065	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	19,843.59	1,509.55
33 14 19 00-0066		Valve With 120 Volt AC Electric Motor Operator *(33 14 19 00-0053)*		
33 14 19 00-0067	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator	14,523.31	203.05
33 14 19 00-0068	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator	14,731.56	340.40
33 14 19 00-0069	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	14,835.54	402.55
33 14 19 00-0070	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	15,296.83	514.37
33 14 19 00-0071	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	16,110.58	626.18
33 14 19 00-0072	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	18,480.92	760.36
33 14 19 00-0073	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	19,844.12	1,068.09
33 14 19 00-0074	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	21,644.93	1,174.90
33 14 19 00-0075	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	30,699.09	1,303.07
33 14 19 00-0076	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	33,667.81	1,468.62
33 14 19 00-0077		Valve With Pneumatic Or Hydraulic Motor Operator *(33 14 19 00-0053)*		
33 14 19 00-0078	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator	6,304.47	203.05
33 14 19 00-0079	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator	6,512.72	340.40
33 14 19 00-0080	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	6,775.24	402.55
33 14 19 00-0081	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	7,231.42	514.37
33 14 19 00-0082	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	9,927.27	626.18
33 14 19 00-0083	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	10,635.43	760.36
33 14 19 00-0084	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	11,788.94	1,068.09
33 14 19 00-0085	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	13,241.97	1,174.90
33 14 19 00-0086	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	14,286.98	1,303.07
33 14 19 00-0087	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	20,472.65	1,468.62
33 14 19 00-0088	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	33,606.44	1,509.55
33 14 19 00-0089		Buried Service *(33 14 19 00-0052)*		
33 14 19 00-0090	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, Buried Service	3,935.06	340.40
33 14 19 00-0091	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	4,166.90	402.55
33 14 19 00-0092	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	5,579.47	514.37
33 14 19 00-0093	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	8,341.80	626.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0094	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	8,722.65	760.36
33 14 19 00-0095	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	14,121.11	1,068.09
33 14 19 00-0096	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	16,678.85	1,174.90
33 14 19 00-0097	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	21,124.93	1,303.07
33 14 19 00-0098	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	24,799.44	1,468.62
33 14 19 00-0099	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	35,783.01	1,802.40

33 14 19 00-0100 Check Valves *(33 14 19 00-0001)*

33 14 19 00-0101 Flanged, Swing Type Gravity Operated Check Valves *(33 14 19 00-0100)*

Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.

33 14 19 00-0102	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,819.87	173.19
33 14 19 00-0103	EA	3" Flanged, Swing Type Gravity Operated Check Valve	1,856.83	203.05
33 14 19 00-0104	EA	4" Flanged, Swing Type Gravity Operated Check Valve	2,488.65	256.80
33 14 19 00-0105	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,578.39	386.39
33 14 19 00-0106	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,697.86	431.53
33 14 19 00-0107	EA	6" Flanged, Swing Type Gravity Operated Check Valve	3,512.92	429.99
33 14 19 00-0108	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,637.94	488.77
33 14 19 00-0109	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	4,817.77	549.43
33 14 19 00-0110	EA	8" Flanged, Swing Type Gravity Operated Check Valve	5,034.82	549.43
33 14 19 00-0111	EA	10" Flanged, Swing Type Gravity Operated Check Valve	8,645.36	668.87
33 14 19 00-0112	EA	12" Flanged, Swing Type Gravity Operated Check Valve	13,227.60	501.65
33 14 19 00-0113	EA	14" Flanged, Swing Type Gravity Operated Check Valve	18,625.11	1,068.09
33 14 19 00-0114	EA	16" Flanged, Swing Type Gravity Operated Check Valve	24,902.14	1,174.90
33 14 19 00-0115	EA	18" Flanged, Swing Type Gravity Operated Check Valve	36,336.49	1,303.07
33 14 19 00-0116	EA	20" Flanged, Swing Type Gravity Operated Check Valve	42,330.63	1,468.62

33 14 19 00-0117 Threaded, Bronze, Swing Type Check Valves *(33 14 19 00-0100)*

Note: Class 125. Watts WCV-2, Nibco T-413.

33 14 19 00-0118	EA	1/4" Threaded, Bronze, Swing Type Check Valve	55.83	20.89
33 14 19 00-0119	EA	3/8" Threaded, Bronze, Swing Type Check Valve	57.82	20.89
33 14 19 00-0120	EA	1/2" Threaded, Bronze, Swing Type Check Valve	55.05	20.89
33 14 19 00-0121	EA	3/4" Threaded, Bronze, Swing Type Check Valve	73.25	28.21
33 14 19 00-0122	EA	1" Threaded, Bronze, Swing Type Check Valve	85.64	34.12
33 14 19 00-0123	EA	1-1/4" Threaded, Bronze, Swing Type Check Valve	119.78	43.19
33 14 19 00-0124	EA	1-1/2" Threaded, Bronze, Swing Type Check Valve	145.26	49.94
33 14 19 00-0125	EA	2" Threaded, Bronze, Swing Type Check Valve	188.17	58.38
33 14 19 00-0126	EA	2-1/2" Threaded, Bronze, Swing Type Check Valve	277.90	79.67

33 14 19 00-0127 Combination Air Release Valves *(33 14 19 00-0001)*

33 14 19 00-0128	EA	1" Combination Air Release Valve	632.72	25.08
33 14 19 00-0129	EA	2" Combination Air Release Valve	1,021.57	43.00

33 14 19 00-0130 Corporation Stop And Curb Valve *(33 14 19 00-0001)*

Note: AWWA C800

33 14 19 00-0131 Ball Corporation Valves *(33 14 19 00-0130)*

Note: Mueller B-25000.

33 14 19 00-0132	EA	3/4" Ball Corporation Valve (Mueller B-25000)	86.92	25.08
33 14 19 00-0133	EA	1" Ball Corporation Valve (Mueller B-25000)	108.95	31.05
33 14 19 00-0134	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	190.76	45.39
33 14 19 00-0135	EA	2" Ball Corporation Valve (Mueller B-25000)	281.25	53.75

33 14 19 00-0136 Ground Key Corporation Valves *(33 14 19 00-0130)*

Note: Mueller B-15000.

33 14 19 00-0137	EA	1/2" Ground Key Corporation Valve	66.33	21.50
33 14 19 00-0138	EA	3/4" Ground Key Corporation Valve	73.81	25.08
33 14 19 00-0139	EA	1" Ground Key Corporation Valve	99.38	31.05
33 14 19 00-0140	EA	1-1/4" Ground Key Corporation Valve	176.23	38.22
33 14 19 00-0141	EA	1-1/2" Ground Key Corporation Valve	185.98	45.39
33 14 19 00-0142	EA	2" Ground Key Corporation Valve	281.19	53.75

33 14 19 00-0143 Ball Curb Valves *(33 14 19 00-0130)*

Note: Mueller B-25204.

33 14 19 00-0144	EA	3/4" Ball Curb Valve	102.75	25.08
33 14 19 00-0145	EA	1" Ball Curb Valve	135.93	31.05
33 14 19 00-0146	EA	1-1/2" Ball Curb Valve	253.21	45.39
33 14 19 00-0147	EA	2" Ball Curb Valve	372.70	53.75

33 14 19 00-0148 O Ring Seal Curb Valves *(33 14 19 00-0130)*

Note: Mueller H-15204.

33 14 19 00-0149	EA	3/4" O Ring Seal Curb Valve	102.75	25.08
33 14 19 00-0150	EA	1" O Ring Seal Curb Valve	143.17	31.05
33 14 19 00-0151	EA	1-1/4" O Ring Seal Curb Valve	190.61	38.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0152	EA	1-1/2" O Ring Seal Curb Valve	253.21	45.39
33 14 19 00-0153	EA	2" O Ring Seal Curb Valve	372.62	53.75
33 14 19 00-0154		**Gate Valve, AWWA C500 And C509** *(33 14 19 00-0001)*		
33 14 19 00-0155		**Gate Valve, Flanged** *(33 14 19 00-0154)*		
		Note: Mueller A-2380-6.		
33 14 19 00-0156	EA	2" Gate Valve, Flanged	1,103.30	159.21
33 14 19 00-0157	EA	2-1/2" Gate Valve, Flanged	1,296.87	173.19
33 14 19 00-0158	EA	3" Gate Valve, Flanged	1,535.44	203.05
33 14 19 00-0159	EA	4" Gate Valve, Flanged	1,940.64	254.41
33 14 19 00-0160	EA	6" Gate Valve, Flanged	2,453.47	429.99
33 14 19 00-0161	EA	8" Gate Valve, Flanged	3,673.57	549.43
33 14 19 00-0162	EA	10" Gate Valve, Flanged	5,589.20	668.87
33 14 19 00-0163	EA	12" Gate Valve, Flanged	6,742.02	501.65
33 14 19 00-0164	EA	14" Gate Valve, Flanged	15,040.63	1,068.09
33 14 19 00-0165	EA	16" Gate Valve, Flanged	19,783.24	1,174.90
33 14 19 00-0166	EA	18" Gate Valve, Flanged	31,606.69	1,303.07
33 14 19 00-0167	EA	20" Gate Valve, Flanged	37,839.78	1,468.62
33 14 19 00-0168		**Resilient Wedge Gate Valve, Flanged** *(33 14 19 00-0154)*		
		Note: Mueller A-2360-6.		
33 14 19 00-0169	EA	2" Resilient Wedge Gate Valve, Flanged	1,052.15	159.21
33 14 19 00-0170	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	1,235.75	173.19
33 14 19 00-0171	EA	3" Resilient Wedge Gate Valve, Flanged	1,462.92	203.05
33 14 19 00-0172	EA	4" Resilient Wedge Gate Valve, Flanged	1,859.57	254.41
33 14 19 00-0173	EA	6" Resilient Wedge Gate Valve, Flanged	2,345.10	429.99
33 14 19 00-0174	EA	8" Resilient Wedge Gate Valve, Flanged	3,504.29	549.43
33 14 19 00-0175	EA	10" Resilient Wedge Gate Valve, Flanged	5,320.18	668.87
33 14 19 00-0176	EA	12" Resilient Wedge Gate Valve, Flanged	6,417.21	501.65
33 14 19 00-0177		**Gate Valve, Mechanical Joint** *(33 14 19 00-0154)*		
		Note: Mueller A-2380-20.		
33 14 19 00-0178	EA	2" Gate Valve, Mechanical Joint	1,286.04	127.20
33 14 19 00-0179	EA	2-1/2" Gate Valve, Mechanical Joint	1,377.79	159.45
33 14 19 00-0180	EA	3" Gate Valve, Mechanical Joint	1,736.50	192.90
33 14 19 00-0181	EA	4" Gate Valve, Mechanical Joint	2,053.82	254.41
33 14 19 00-0182	EA	6" Gate Valve, Mechanical Joint	2,597.14	298.60
33 14 19 00-0183	EA	8" Gate Valve, Mechanical Joint	3,827.99	358.32
33 14 19 00-0184	EA	10" Gate Valve, Mechanical Joint	5,671.28	418.04
33 14 19 00-0185	EA	12" Gate Valve, Mechanical Joint	7,114.81	501.65
33 14 19 00-0186	EA	14" Gate Valve, Mechanical Joint	16,030.67	654.20
33 14 19 00-0187	EA	16" Gate Valve, Mechanical Joint	20,824.83	734.31
33 14 19 00-0188	EA	18" Gate Valve, Mechanical Joint	33,469.51	814.42
33 14 19 00-0189	EA	20" Gate Valve, Mechanical Joint	39,852.80	917.89
33 14 19 00-0190		**Resilient Wedge Gate Valve, Mechanical Joint** *(33 14 19 00-0154)*		
		Note: Mueller A-2360-20.		
33 14 19 00-0191	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	1,227.63	127.20
33 14 19 00-0192	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	1,660.04	192.90
33 14 19 00-0193	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	1,966.36	254.41
33 14 19 00-0194	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	2,483.95	298.60
33 14 19 00-0195	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	3,651.90	358.32
33 14 19 00-0196	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	5,397.61	418.04
33 14 19 00-0197	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	6,768.82	501.65
33 14 19 00-0198		**Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint** *(33 14 19 00-0154)*		
		Note: Mueller A-2361.		
33 14 19 00-0199	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,650.48	1,068.09
33 14 19 00-0200	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	11,575.19	1,174.90
33 14 19 00-0201	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	18,168.81	1,303.07
33 14 19 00-0202	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	21,705.22	1,468.62
33 14 19 00-0203	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	30,893.64	1,802.40
33 14 19 00-0204		**Gate Valve, Threaded, WW-V-51 Class A, Type 1** *(33 14 19 00-0154)*		
		Note: NIBCO T-113.		
33 14 19 00-0205	EA	1/4" Gate Valve, Bronze, Threaded	64.68	20.89
33 14 19 00-0206	EA	3/8" Gate Valve, Bronze, Threaded	66.67	20.89
33 14 19 00-0207	EA	1/2" Gate Valve, Bronze, Threaded	66.21	20.89
33 14 19 00-0208	EA	3/4" Gate Valve, Bronze, Threaded	85.43	28.21
33 14 19 00-0209	EA	1" Gate Valve, Bronze, Threaded	105.25	34.12
33 14 19 00-0210	EA	1-1/4" Gate Valve, Bronze, Threaded	142.62	43.19
33 14 19 00-0211	EA	1-1/2" Gate Valve, Bronze, Threaded	165.45	49.94
33 14 19 00-0212	EA	2" Gate Valve, Bronze, Threaded	200.55	58.38
33 14 19 00-0213	EA	2-1/2" Gate Valve, Bronze, Threaded	381.69	79.67
33 14 19 00-0214	EA	3" Gate Valve, Bronze, Threaded	457.03	91.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0215		Cast Iron Body, Gate Valve, Epoxy Lined, Flanged, 200 Lb. With Non-Rising Stem *(33 14 19 00-0154)*		
		Note: Resilient Wedge, Non-rising Stem, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11 (Jenkins G-700, 701).		
33 14 19 00-0216	EA	2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	644.53	172.92
33 14 19 00-0217	EA	2-1/2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	666.47	173.19
33 14 19 00-0218	EA	3" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	752.27	203.05
33 14 19 00-0219	EA	4" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	967.53	340.40
33 14 19 00-0220	EA	5" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,193.76	362.29
33 14 19 00-0221	EA	6" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,458.06	402.55
33 14 19 00-0222	EA	8" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,148.78	514.37
33 14 19 00-0223	EA	10" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,033.06	626.18
33 14 19 00-0224	EA	12" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,572.45	760.36
33 14 19 00-0225		Cast Iron Body, Gate Valve, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem *(33 14 19 00-0154)*		
		Note: Resilient Wedge, OS&Y, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11.		
33 14 19 00-0226	EA	2-1/2" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,040.59	173.19
33 14 19 00-0227	EA	3" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,159.38	203.05
33 14 19 00-0228	EA	4" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,618.24	340.40
33 14 19 00-0229	EA	6" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,438.23	402.55
33 14 19 00-0230	EA	8" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,912.18	514.37
33 14 19 00-0231	EA	10" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	5,968.72	626.18
33 14 19 00-0232	EA	12" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	9,760.87	760.36
33 14 19 00-0233		Globe Valve, AWWA *(33 14 19 00-0001)*		
33 14 19 00-0234		Globe Valve, Threaded, WW-V-51 Class B, Type 1 *(33 14 19 00-0233)*		
		Note: NIBCO T-235.		
33 14 19 00-0235	EA	1/8" Globe Valve, Threaded	90.70	20.89
33 14 19 00-0236	EA	1/4" Globe Valve, Threaded	86.70	20.89
33 14 19 00-0237	EA	3/8" Globe Valve, Threaded	88.69	20.89
33 14 19 00-0238	EA	1/2" Globe Valve, Threaded	90.70	20.89
33 14 19 00-0239	EA	3/4" Globe Valve, Threaded	123.15	28.21
33 14 19 00-0240	EA	1" Globe Valve, Threaded	172.04	34.12
33 14 19 00-0241	EA	1-1/4" Globe Valve, Threaded	250.57	43.19
33 14 19 00-0242	EA	1-1/2" Globe Valve, Threaded	298.89	49.94
33 14 19 00-0243	EA	2" Globe Valve, Threaded	415.44	58.38
33 14 19 00-0244	EA	2-1/2" Globe Valve, Threaded	758.74	79.67
33 14 19 00-0245	EA	3" Globe Valve, Threaded	1,036.38	91.85
33 14 19 00-0246		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0001)*		
33 14 19 00-0247		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0246)*		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0248	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,590.80	159.21
33 14 19 00-0249	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,050.56	203.05
33 14 19 00-0250	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,438.22	254.41
33 14 19 00-0251	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,213.83	429.99
33 14 19 00-0252	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,648.74	549.43
33 14 19 00-0253	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,774.26	668.87
33 14 19 00-0254	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,078.92	501.65
33 14 19 00-0255	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	18,472.95	1,068.09
33 14 19 00-0256	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	23,417.78	1,174.90
33 14 19 00-0257	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	38,051.35	1,303.07
33 14 19 00-0258		Yokes And Angles *(33 14 19 00-0001)*		
33 14 19 00-0259		Yoke, Meter *(33 14 19 00-0258)*		
33 14 19 00-0260	EA	Yoke, Meter, 5/8"	58.82	19.46
33 14 19 00-0261	EA	Yoke, Meter, 3/4"	66.59	21.40
33 14 19 00-0262	EA	Yoke, Meter, 1"	86.85	24.65
33 14 19 00-0263		Angles And Ells *(33 14 19 00-0258)*		
33 14 19 00-0264	EA	1-1/2" Flanged Angle, ELL	139.45	13.62
33 14 19 00-0265	EA	ELL, Yoke, With Female I.P.T	43.10	11.67
33 14 19 00-0266		Accessories For Valves *(33 14 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0267	EA	1' Valve Extension Stem	115.21	
		For Each Additional LF, Add	*9.04*	
33 14 19 00-0268	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,714.89	119.44
33 14 19 00-0269	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,944.89	131.39
33 14 19 00-0270	EA	Adjust Water Valve Box To Grade	119.44	

33 14 19 00-0271 Fire Hydrants *(33 14 19)*

Note: Breakaway type.

33 14 19 00-0272 Three Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0271)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0273	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,750.18	313.09
33 14 19 00-0274	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,819.85	313.09
33 14 19 00-0275	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,889.71	313.09
33 14 19 00-0276	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,981.59	335.45
33 14 19 00-0277	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,051.33	335.45
33 14 19 00-0278	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,149.10	363.41
33 14 19 00-0279	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,218.74	363.41
33 14 19 00-0280	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,316.52	391.36
33 14 19 00-0281	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,386.26	391.36
33 14 19 00-0282	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,483.85	419.32
33 14 19 00-0283	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,581.52	447.27
33 14 19 00-0284	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,707.04	503.18
33 14 19 00-0285	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,813.76	313.09
33 14 19 00-0286	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,904.18	313.09
33 14 19 00-0287	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,994.38	313.09
33 14 19 00-0288	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,106.94	335.45
33 14 19 00-0289	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,197.14	335.45
33 14 19 00-0290	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,315.63	363.41
33 14 19 00-0291	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,405.72	363.41
33 14 19 00-0292	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,523.96	391.36
33 14 19 00-0293	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,614.13	391.36
33 14 19 00-0294	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,732.13	419.32
33 14 19 00-0295	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,850.51	447.27
33 14 19 00-0296	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,996.46	503.18

33 14 19 00-0297 Two Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0271)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0298	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,367.72	313.09
33 14 19 00-0299	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,437.15	313.09
33 14 19 00-0300	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,506.98	313.09
33 14 19 00-0301	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,599.15	335.45
33 14 19 00-0302	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,668.67	335.45
33 14 19 00-0303	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,766.29	363.41
33 14 19 00-0304	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,836.03	363.41
33 14 19 00-0305	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,933.88	391.36
33 14 19 00-0306	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,003.47	391.36
33 14 19 00-0307	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,101.44	419.32
33 14 19 00-0308	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,198.66	447.27
33 14 19 00-0309	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,324.34	503.18
33 14 19 00-0310	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,465.94	313.09
33 14 19 00-0311	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,556.16	313.09
33 14 19 00-0312	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,646.25	313.09
33 14 19 00-0313	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,759.03	335.45
33 14 19 00-0314	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,849.00	335.45
33 14 19 00-0315	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,967.34	363.41
33 14 19 00-0316	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,057.36	363.41
33 14 19 00-0317	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,175.89	391.36
33 14 19 00-0318	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,265.86	391.36
33 14 19 00-0319	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,384.18	419.32
33 14 19 00-0320	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,502.10	447.27
33 14 19 00-0321	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,648.55	503.18

33 14 19 00-0322 Three Way, Modern Model Fire Hydrant *(33 14 19 00-0271)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0323	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,912.79	313.09
33 14 19 00-0324	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	4,002.87	313.09
33 14 19 00-0325	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,093.23	313.09
33 14 19 00-0326	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	4,205.83	335.45
33 14 19 00-0327	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,295.98	335.45
33 14 19 00-0328	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,414.14	363.41
33 14 19 00-0329	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,504.41	363.41
33 14 19 00-0330	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,622.58	391.36
33 14 19 00-0331	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,712.76	391.36
33 14 19 00-0332	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,830.91	391.36
33 14 19 00-0333	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,949.33	447.27
33 14 19 00-0334	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	5,094.34	447.27

33 14 19 00-0335 Two Way, Modern Model Fire Hydrant *(33 14 19 00-0271)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0336	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,783.20	313.09
33 14 19 00-0337	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,851.75	313.09
33 14 19 00-0338	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,921.07	313.09
33 14 19 00-0339	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	3,011.18	335.45
33 14 19 00-0340	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,079.72	335.45
33 14 19 00-0341	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,176.21	363.41
33 14 19 00-0342	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,244.72	363.41
33 14 19 00-0343	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,341.29	391.36
33 14 19 00-0344	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,409.63	391.36
33 14 19 00-0345	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,506.14	419.32
33 14 19 00-0346	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,602.72	447.27
33 14 19 00-0347	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,726.31	503.18
33 14 19 00-0348		**Fire Hydrant Extension Kits** *(33 14 19 00-0271)*		
33 14 19 00-0349	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	580.31	27.95
33 14 19 00-0350	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	689.50	34.94
33 14 19 00-0351	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	752.05	41.94
33 14 19 00-0352	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	854.81	51.72
33 14 19 00-0353	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,290.84	53.81
33 14 19 00-0354	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,378.70	55.91
33 14 19 00-0355	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,399.66	58.70
33 14 19 00-0356	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,478.34	62.89
33 14 19 00-0357	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,629.82	75.48
33 14 19 00-0358	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,719.91	90.85
33 14 19 00-0359	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	645.55	31.31
33 14 19 00-0360	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	764.44	38.02
33 14 19 00-0361	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	877.19	45.84
33 14 19 00-0362	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	980.61	57.03
33 14 19 00-0363	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,342.73	59.27
33 14 19 00-0364	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,431.71	61.50
33 14 19 00-0365	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,492.96	64.86
33 14 19 00-0366	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,746.26	69.33
33 14 19 00-0367	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,913.80	82.74
33 14 19 00-0368	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	2,010.91	99.52
33 14 19 00-0369		**Removal And Reinstallation Of Standard Fire Hydrant** *(33 14 19 00-0271)*		
		Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0370	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	894.54	
33 14 19 00-0371	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,304.54	
33 14 19 00-0372	EA	Reset Fire Hydrant Upper Barrel Note: Includes Safety Repair Kit	1,425.88	
33 14 19 00-0373		**Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0374	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	392.32	38.92
33 14 19 00-0375	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	421.16	38.92
33 14 19 00-0376	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	449.99	38.92
33 14 19 00-0377	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	363.83	49.29
33 14 19 00-0378	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	381.03	49.29
33 14 19 00-0379	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	398.22	49.29
33 14 19 00-0380		**Sanitary Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0381	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,758.12	81.08
33 14 19 00-0382	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,848.23	81.08
33 14 19 00-0383	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,938.34	81.08
33 14 19 00-0384		**Flushing Hydrants** *(33 14 19)*		
33 14 19 00-0385	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	901.00	49.87
33 14 23		**Enclosures for Water Utility Piping and Valves** *(33 14)* Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0380 for Enclosures.		
33 14 23 00-0001		**Roadway Utility Box** *(33 14 23)*		
33 14 23 00-0002		**Utility Box** *(33 14 23 00-0001)* Note: Christy Concrete Products.		
33 14 23 00-0003		**B3 Utility Box, 9-3/8" x 15-1/2"** *(33 14 23 00-0002)*		
33 14 23 00-0004	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	130.88	59.06
33 14 23 00-0005	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	132.16	6.57
33 14 23 00-0006	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	54.99	6.57
33 14 23 00-0007	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	289.05	6.57
33 14 23 00-0008	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	77.96	13.12
33 14 23 00-0009	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	112.06	13.12
33 14 23 00-0010		**B9 Utility Box, 10-1/4" x 17-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0011	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	158.76	78.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0012	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	154.82	7.87
33 14 23 00-0013	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	61.04	7.87
33 14 23 00-0014	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	303.24	6.57
33 14 23 00-0015	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	87.33	13.12
33 14 23 00-0016	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	116.95	19.69
33 14 23 00-0017	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	138.53	36.09
33 14 23 00-0018		**B12 Utility Box, 12" x 20"** *(33 14 23 00-0002)*		
33 14 23 00-0019	EA	12" x 20" Precast Concrete Utility Box	174.52	85.30
33 14 23 00-0020	EA	Cast Iron Lid For 12" x 20" Utility Box	278.79	9.84
33 14 23 00-0021	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	81.86	13.12
33 14 23 00-0022	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	407.85	13.12
33 14 23 00-0023	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	180.64	45.93
33 14 23 00-0024		**B16 Utility Box, 12" x 22-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0025	EA	12" x 22-1/4" Precast Concrete Utility Box	200.89	99.74
33 14 23 00-0026	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	315.01	13.12
33 14 23 00-0027	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	101.20	13.12
33 14 23 00-0028	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	410.15	13.12
33 14 23 00-0029	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	142.07	22.32
33 14 23 00-0030	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	183.85	45.93
33 14 23 00-0031		**B30 Utility Box, 13-1/4" x 24"** *(33 14 23 00-0002)*		
33 14 23 00-0032	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	242.01	118.11
33 14 23 00-0033	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	136.27	21.00
33 14 23 00-0034	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	507.04	17.06
33 14 23 00-0035	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	142.07	22.32
33 14 23 00-0036	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	217.62	36.75
33 14 23 00-0037	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	169.98	24.93
33 14 23 00-0038	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	238.22	59.06
33 14 23 00-0039		**B36 Utility Box, 17-1/4" x 30"** *(33 14 23 00-0002)*		
33 14 23 00-0040	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	316.29	149.61
33 14 23 00-0041	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	222.03	36.09
33 14 23 00-0042	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	635.58	24.93
33 14 23 00-0043	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	199.97	47.25
33 14 23 00-0044	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	338.59	52.49
33 14 23 00-0045	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	318.09	76.12
33 14 23 00-0046		**B40 Utility Box, 24-1/2" x 36"** *(33 14 23 00-0002)*		
33 14 23 00-0047	EA	24-1/2" x 36" Precast Concrete Utility Box	654.70	230.98
33 14 23 00-0048	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	607.69	86.62
33 14 23 00-0049	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	902.75	38.05
33 14 23 00-0050	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	496.78	81.37
33 14 23 00-0051	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	527.08	85.30
33 14 23 00-0052		**B48 Utility Box, 30-1/4" x 48-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0053	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	827.82	262.47
33 14 23 00-0054	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	837.46	143.05
33 14 23 00-0055	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	1,056.21	143.05
33 14 23 00-0056	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	1,429.14	65.62
33 14 23 00-0057	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	721.50	177.17
33 14 23 00-0058	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	651.34	119.43
33 14 23 00-0059		**B65 Utility Box, 15" x 26-1/2"** *(33 14 23 00-0002)*		
33 14 23 00-0060	EA	15" x 26-1/2" Precast Concrete Utility Box	215.67	149.61
33 14 23 00-0061	EA	Reinforced Concrete Lid For 15" x 26-1/2" Utility Box	130.82	36.09
33 14 23 00-0062	EA	Steel Checkered Plate Cover For 15" x 26-1/2" Utility Box	391.14	24.93
33 14 23 00-0063	EA	20" x 34" Reinforced Concrete Slab For 15" x 26-1/2" Utility Box	199.97	47.25
33 14 23 00-0064	EA	6" High Reinforced Concrete Base For 15" x 26-1/2" Utility Box	338.59	52.50
33 14 23 00-0065	EA	12" High Reinforced Concrete Extension For 15" x 26-1/2" Utility Box	232.15	76.12
33 14 23 00-0066		**Roadway Or Curb Valve Boxes** *(33 14 23)* See CSI section 22 05 19 00-0000 for metering.		
33 14 23 00-0067		**Round Head, Cast Iron Service, Roadway Or Valve Boxes** *(33 14 23 00-0066)*		
33 14 23 00-0068	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	234.78	15.76
33 14 23 00-0069	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	272.10	15.76
33 14 23 00-0070	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	273.82	15.76
33 14 23 00-0071	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	71.39	7.88
33 14 23 00-0072	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	81.27	7.88
33 14 23 00-0073	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	96.14	7.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0074	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	352.99	19.71
33 14 23 00-0075	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	609.67	27.59
33 14 23 00-0076	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	679.27	27.59
33 14 23 00-0077	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	366.79	19.71
33 14 23 00-0078	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	383.42	19.71
33 14 23 00-0079	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	370.72	19.71
33 14 23 00-0080	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	134.55	7.88
33 14 23 00-0081	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	228.54	32.43
33 14 23 00-0082	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	236.10	33.73
33 14 23 00-0083	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	262.73	35.02
33 14 23 00-0084	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	358.42	36.97
33 14 23 00-0085	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	431.41	38.92
33 14 23 00-0086	EA	18" Cast Iron Service Box Extension Section	100.60	
33 14 23 00-0087		**Plastic Roadway Grade Water Meter Box And Cover** *(33 14 23 00-0066)*		
33 14 23 00-0088	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	323.61	45.40
33 14 23 00-0089	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	243.17	32.43
33 14 23 00-0090	EA	Cast Iron Lid For Plastic Meter Box	72.12	
33 14 23 00-0091		**Traffic Valve Box And Lid** *(33 14 23 00-0066)*		
33 14 23 00-0092	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	231.90	
33 14 23 00-0093	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	746.19	
33 14 23 00-0094		**Curb Box Components** *(33 14 23 00-0066)*		
33 14 23 00-0095	EA	Curb Box Bolt	11.89	
33 14 23 00-0096	EA	Curb Box Cover	17.56	
33 14 23 00-0097	EA	Curb Box Foot Piece	12.66	
33 14 23 00-0098	EA	Curb Box Guide Ring	10.82	
33 14 23 00-0099	EA	Curb Box Rod	52.72	
33 14 23 00-0100	EA	Curb Box Top Section	73.41	
33 14 23 00-0101	EA	Curb Box Bottom Section	77.25	
33 14 23 00-0102	EA	Curb Box Pin, Secures Rod To Curb Box	10.87	
33 14 23 00-0103		**Valve Box Components** *(33 14 23 00-0066)*		
33 14 23 00-0104	EA	Valve Box Upper And Lower Section	148.54	
33 14 23 00-0105	EA	Valve Box Cover "Water"	24.48	
33 14 23 00-0106	EA	Valve Box Lower Section, 4-1/2" x 6" Cutout	116.25	
33 14 23 00-0107	EA	Valve Box Top Section	59.65	
33 14 23 00-0108	EA	Valve Box Extension, 17"	70.74	
33 14 23 00-0109	EA	Meter, Cover, Single, Remote Sensor	47.68	
33 14 23 00-0110	EA	Meter, Frame, Double, 15" Diameter	95.27	
33 14 23 00-0111	EA	Meter, Frame, Double, 18" Diameter	93.22	
33 14 23 00-0112	EA	Meter, Frame, Double, 21" Diameter	206.24	
33 14 23 00-0113	EA	Extension Ring, 18" Meter Frame, 24" Pit	182.68	
33 14 23 00-0114	EA	Meter, Housing, Concrete Or Clay, 21" Diameter	293.65	
33 14 23 00-0115	EA	Meter, Housing, Clay, 24" Diameter	491.68	
33 14 23 00-0116	EA	Meter, Housing, PE, 18" Diameter	137.95	
33 14 23 00-0117	EA	Meter, Housing, PE, 24" Diameter	222.37	
33 14 23 00-0118		**Roadway Valve Box Cover Adjustment** *(33 14 23)* Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for sawcutting pavemet if required, 32 12 16 13-0023 for Hand Placed Hot Mixed Asphalt 3,954 Lb./CY.		
33 14 23 00-0119	EA	Up To 3" Rise, Up To 6" Diameter, Adjustment To Roadway Valve Cover	320.12	
33 14 23 00-0120		**Roadway Utility Box Cover Adjustment** *(33 14 23)* Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for sawcutting pavemet if required, 32 12 16 13-0023 for Hand Placed Hot Mixed Asphalt 3,954 Lb./CY.		
33 14 23 00-0121	EA	Up To 6" Rise, Up To 2 SF, Adjustment To Roadway Utility Cover	640.88	
33 14 23 00-0122	EA	Up To 6" Rise, >2 To 4 SF, Adjustment To Roadway Utility Cover	818.25	
33 14 23 00-0123	EA	Up To 6" Rise, >4 To 6 SF, Adjustment To Roadway Utility Cover	1,169.11	
33 14 23 00-0124	EA	Up To 6" Rise, >6 To 10 SF, Adjustment To Roadway Utility Cover	1,425.43	

33 16 Water Utility Storage Tanks *(33 10)*

33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 13 Positive Displacement Water Meters *(33 19)*

33 19 13 23 Nutating Disc Water Meters *(33 19 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 13 23-0001		Bronze Disk Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	336.40	67.45
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	422.76	80.42
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	567.48	92.10
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,103.45	137.50
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,495.01	179.01
33 19 13 23-0007		Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	602.52	67.45
		For Owner Furnished Material, Deduct	*-534.24*	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	687.11	80.42
		For Owner Furnished Material, Deduct	*-606.03*	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	1,022.54	92.10
		For Owner Furnished Material, Deduct	*-929.88*	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	1,730.14	137.50
		For Owner Furnished Material, Deduct	*-1,592.14*	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	2,142.13	179.01
		For Owner Furnished Material, Deduct	*-1,961.97*	
33 19 13 23-0013	EA	Electronic Transmitter Note: For use with transmitting meter valve.	487.70	32.43
		For Owner Furnished Material, Deduct	*-455.27*	
33 19 16		**Velocity-Type Water Meters** *(33 19)*		
33 19 16 13		**Single-Jet Water Meters** *(33 19 16)*		
33 19 16 13-0001		Small/Large Spectrum Water Service Meter *(33 19 16 13)* Note: Metron-Farnier.		
33 19 16 13-0002	EA	1-1/2" Diameter, 0 - 100 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 50.	1,897.67	136.20
33 19 16 13-0003	EA	2" Diameter, 0 - 125 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 88.	2,718.41	172.92
33 19 16 13-0004	EA	2" Diameter, 0 - 185 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 130.	3,281.28	172.92
33 19 16 13-0005	EA	3" Diameter, 0 - 320 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 175.	4,417.61	203.05
33 19 16 13-0006	EA	3" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 260.	4,589.03	203.05
33 19 16 13-0007	EA	4" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 260.	6,409.48	317.72
33 19 16 13-0008	EA	4" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 440.	10,541.45	317.72
33 19 16 13-0009	EA	6" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 440.	13,231.67	429.99
33 19 16 13-0010	EA	8" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 440.	16,447.45	549.43
33 19 16 23		**Turbine Water Meters** *(33 19 16)*		
33 19 16 23-0001		Flanged Turbine Water Service Meter *(33 19 16 23)*		
33 19 16 23-0002		Vertical Turbine Meters *(33 19 16 23-0001)*		
33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	1,323.24	125.41
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	1,861.25	159.21
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	3,449.00	203.05
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	5,140.81	317.72
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	9,773.27	429.99
33 19 16 23-0008		Horizontal Turbine Meters *(33 19 16 23-0001)*		
33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	2,100.63	125.41
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	2,971.07	159.21
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	3,893.95	203.05
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	5,728.97	317.72
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	11,916.20	429.99
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	15,946.24	549.43
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	22,303.67	668.87
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	26,811.84	1,054.66
33 19 19		**Compound Water Meters** *(33 19)*		
33 19 19 00-0001		Flanged Compound Type Water Service Meter *(33 19 19)*		
33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,635.68	159.21
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	6,814.28	203.05
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	11,272.98	317.72
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	15,772.46	429.99
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	32,562.93	549.43
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	55,884.82	668.87
33 19 23		**Magnetic Water Meters** *(33 19)*		
33 19 23 00-0001		Flanged Electromagnetic Flow (EMF) Water Meter *(33 19 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	9,008.27	159.21
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	12,709.56	203.05
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	14,598.99	317.72

33 19 26 Ultrasonic Water Meters *(33 19)*

33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Octive) *(33 19 26)*

33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	4,569.13	203.05
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	5,274.57	317.72
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	7,758.29	429.99
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	11,167.29	549.43

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001 Plastic Sewer And Drain Piping *(33 31 11)*

Note: Includes detectable tracer wire.

33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*

33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.77	4.34
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.08	5.11
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	18.25	6.20
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	22.88	7.24
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	31.51	8.42
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	42.45	9.78
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	58.44	10.13
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	77.12	10.49

33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*

Note: D-2729 PVC pipe.

33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.70	6.20
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.08	7.24
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	20.00	8.42

33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings *(33 31 11 00-0001)*

33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0017	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	31.23	15.04
33 31 11 00-0018	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	40.12	19.45
33 31 11 00-0019	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	73.43	26.12
33 31 11 00-0020	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	117.78	30.19
33 31 11 00-0021	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	500.37	39.24
33 31 11 00-0022	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	835.34	52.80
33 31 11 00-0023	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,102.51	70.32

33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0025	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.23	15.04
33 31 11 00-0026	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	39.95	19.45
33 31 11 00-0027	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	70.43	26.12
33 31 11 00-0028	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	103.10	30.19
33 31 11 00-0029	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	463.01	39.24
33 31 11 00-0030	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	748.51	52.80
33 31 11 00-0031	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	847.08	70.32
33 31 11 00-0032	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,263.17	93.65

33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0034	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	55.58	14.81
33 31 11 00-0035	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	54.13	19.45
33 31 11 00-0036	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	109.45	26.12
33 31 11 00-0037	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	183.83	30.19
33 31 11 00-0038	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	372.79	39.24
33 31 11 00-0039	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	667.68	52.80
33 31 11 00-0040	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,099.50	70.32
33 31 11 00-0041	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,671.68	93.65

33 31 11 00-0042 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*

33 31 11 00-0043	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	37.50	15.04
33 31 11 00-0044	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	44.30	19.45
33 31 11 00-0045	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	82.90	26.12
33 31 11 00-0046	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	126.25	30.19
33 31 11 00-0047	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	624.64	39.24
33 31 11 00-0048	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,016.26	52.80
33 31 11 00-0049	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,143.70	70.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0050	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,164.31	93.65
33 31 11 00-0051		**Reducers, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0052	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	43.13	17.16
33 31 11 00-0053	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	86.12	20.48
33 31 11 00-0054	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	80.27	22.59
33 31 11 00-0055	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	128.81	24.69
33 31 11 00-0056	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	137.96	28.01
33 31 11 00-0057	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	441.16	34.67
33 31 11 00-0058	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	947.46	45.97
33 31 11 00-0059	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	201.84	50.20
33 31 11 00-0060	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	279.49	54.75
33 31 11 00-0061	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	261.59	61.49
33 31 11 00-0062	EA	12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	978.42	66.47
33 31 11 00-0063	EA	12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	1,032.40	73.21
33 31 11 00-0064	EA	12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	1,091.72	81.99
33 31 11 00-0065		**Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0066	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	49.56	22.72
33 31 11 00-0067	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	66.19	29.40
33 31 11 00-0068	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	117.25	38.78
33 31 11 00-0069	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	184.77	48.16
33 31 11 00-0070	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	733.95	52.80
33 31 11 00-0071	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	952.02	70.32
33 31 11 00-0072		**Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0073	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	65.07	22.72
33 31 11 00-0074	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	75.21	29.40
33 31 11 00-0075	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	128.77	38.78
33 31 11 00-0076	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	203.61	48.16
33 31 11 00-0077	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	663.24	52.80
33 31 11 00-0078	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	817.70	70.32
33 31 11 00-0079	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	1,075.21	93.83
33 31 11 00-0080	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	1,705.72	125.23
33 31 11 00-0081		**Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	89.42	22.72
33 31 11 00-0083	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	98.89	29.40
33 31 11 00-0084	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	112.76	38.78
33 31 11 00-0085	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	177.76	48.16
33 31 11 00-0086	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	195.44	48.16
33 31 11 00-0087		**Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0088	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	110.06	29.40
33 31 11 00-0089	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	143.11	38.78
33 31 11 00-0090	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	297.79	52.34
33 31 11 00-0091	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	539.62	63.31
33 31 11 00-0092	EA	2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	135.77	38.78
33 31 11 00-0093	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	241.75	52.34
33 31 11 00-0094	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	447.06	63.31
33 31 11 00-0095		**Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0096	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	84.42	22.72
33 31 11 00-0097	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	105.39	29.40
33 31 11 00-0098	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	219.49	38.78
33 31 11 00-0099	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	407.08	48.16
33 31 11 00-0100	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	171.11	29.40
33 31 11 00-0101	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	279.01	38.78
33 31 11 00-0102	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	196.21	38.78
33 31 11 00-0103	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	379.18	48.16
33 31 11 00-0104	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	404.70	48.16
33 31 11 00-0105		**Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0106	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	125.08	29.40
33 31 11 00-0107	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	144.78	38.78
33 31 11 00-0108	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	228.90	52.34
33 31 11 00-0109	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	887.53	63.31
33 31 11 00-0110	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	2,982.47	70.09
33 31 11 00-0111		**Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0112	EA	4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	670.37	119.85
33 31 11 00-0113	EA	6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	1,657.39	154.63
33 31 11 00-0114	EA	8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	2,101.71	217.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0115	EA	10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	2,879.83	350.51
33 31 11 00-0116		**Couplings, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0117	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	30.17	15.04
33 31 11 00-0118	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	37.45	19.33
33 31 11 00-0119	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	60.63	25.89
33 31 11 00-0120	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	80.96	30.19
33 31 11 00-0121	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	256.06	39.24
33 31 11 00-0122	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	648.70	52.80
33 31 11 00-0123	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	988.12	70.32
33 31 11 00-0124	EA	12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	1,644.08	93.65
33 31 11 00-0125		**Adapters, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0126	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	147.10	83.85
33 31 11 00-0127	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	102.83	63.78
33 31 11 00-0128	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	105.95	63.78
33 31 11 00-0129	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	114.22	63.78
33 31 11 00-0130	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	149.37	83.85
33 31 11 00-0131	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	142.75	83.85
33 31 11 00-0132	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	131.87	83.85
33 31 11 00-0133	EA	4" Drain Grate, Drain And Sewer Fitting	72.74	43.12
33 31 11 00-0134		**Caps, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0135	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	43.23	16.17
33 31 11 00-0136	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	73.17	20.13
33 31 11 00-0137	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	141.85	26.00
33 31 11 00-0138		**Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0139	EA	1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	26.34	15.04
33 31 11 00-0140	EA	2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	34.32	19.45
33 31 11 00-0141	EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	51.53	26.12
33 31 11 00-0142	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	68.87	30.19
33 31 11 00-0143	EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	121.29	39.24
33 31 11 00-0144	EA	8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	480.99	52.80
33 31 11 00-0145		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0146	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.29	7.24
		For SDR 26, Add	*0.75*	
33 31 11 00-0147	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	24.12	8.42
		For SDR 26, Add	*1.43*	
33 31 11 00-0148	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	31.95	9.78
		For SDR 26, Add	*2.43*	
33 31 11 00-0149	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	38.84	10.13
		For SDR 26, Add	*3.64*	
33 31 11 00-0150	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	47.13	10.49
		For SDR 26, Add	*5.13*	
33 31 11 00-0151	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	60.94	10.86
		For SDR 26, Add	*7.69*	
33 31 11 00-0152	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	76.76	11.25
33 31 11 00-0153	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	99.24	12.22
33 31 11 00-0154	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	120.05	13.18
33 31 11 00-0155	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	149.10	15.46
33 31 11 00-0156		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0157	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	17.49	7.24
		For SDR 26, Add	*0.59*	
33 31 11 00-0158	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	22.88	8.42
		For SDR 26, Add	*1.19*	
33 31 11 00-0159	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	30.14	9.78
		For SDR 26, Add	*2.07*	
33 31 11 00-0160		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0161		**1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0162	EA	4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	89.42	27.44
		For SDR 26, Add	*4.19*	
33 31 11 00-0163	EA	6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	133.53	31.91
		For SDR 26, Add	*7.71*	
33 31 11 00-0164	EA	8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	282.86	36.15
		For SDR 26, Add	*21.34*	
33 31 11 00-0165	EA	10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	818.44	42.54
		For SDR 26, Add	*71.76*	
33 31 11 00-0166	EA	12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,057.68	54.24
		For SDR 26, Add	*92.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0167		**1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0168	EA	4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	80.44	27.44
		For SDR 26, Add	*3.33*	
33 31 11 00-0169	EA	6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	123.63	31.91
		For SDR 26, Add	*6.76*	
33 31 11 00-0170	EA	8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	257.82	36.15
		For SDR 26, Add	*18.93*	
33 31 11 00-0171	EA	10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	582.73	42.54
		For SDR 26, Add	*49.13*	
33 31 11 00-0172	EA	12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	833.56	54.24
		For SDR 26, Add	*71.34*	
33 31 11 00-0173	EA	15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,791.73	76.56
		For SDR 26, Add	*159.76*	
33 31 11 00-0174	EA	18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,844.29	108.47
33 31 11 00-0175	EA	21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,750.16	143.56
33 31 11 00-0176	EA	24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	6,477.44	191.41
33 31 11 00-0177		**Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0178	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	135.40	41.16
		For SDR 26, Add	*6.41*	
33 31 11 00-0179	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	220.64	45.62
		For SDR 26, Add	*13.88*	
33 31 11 00-0180	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	248.38	47.85
		For SDR 26, Add	*16.19*	
33 31 11 00-0181	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	274.54	50.08
		For SDR 26, Add	*18.34*	
33 31 11 00-0182	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	315.05	52.32
		For SDR 26, Add	*21.87*	
33 31 11 00-0183	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	609.37	54.55
		For SDR 26, Add	*49.77*	
33 31 11 00-0184	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	782.30	55.83
		For SDR 26, Add	*66.17*	
33 31 11 00-0185	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	887.29	58.49
		For SDR 26, Add	*75.83*	
33 31 11 00-0186	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,313.52	60.72
		For SDR 26, Add	*116.39*	
33 31 11 00-0187	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,714.02	63.80
		For SDR 26, Add	*154.34*	
33 31 11 00-0188	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	962.67	67.96
		For SDR 26, Add	*81.54*	
33 31 11 00-0189	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,022.23	70.19
		For SDR 26, Add	*86.90*	
33 31 11 00-0190	EA	12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,462.25	72.42
		For SDR 26, Add	*128.79*	
33 31 11 00-0191	EA	12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,112.96	75.50
		For SDR 26, Add	*190.77*	
33 31 11 00-0192	EA	12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,381.66	81.35
		For SDR 26, Add	*215.62*	
33 31 11 00-0193		**Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0194	EA	4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.43	41.16
		For SDR 26, Add	*5.74*	
33 31 11 00-0195	EA	6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	197.42	45.62
		For SDR 26, Add	*11.65*	
33 31 11 00-0196	EA	6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	217.19	47.85
		For SDR 26, Add	*13.19*	
33 31 11 00-0197	EA	8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	264.58	50.08
33 31 11 00-0198	EA	8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	303.17	52.32
33 31 11 00-0199	EA	8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	467.47	54.55
33 31 11 00-0200	EA	10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	714.89	56.26
33 31 11 00-0201	EA	10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	729.10	58.49
33 31 11 00-0202	EA	10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,100.54	60.72
33 31 11 00-0203	EA	10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,218.23	63.80
33 31 11 00-0204	EA	12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	906.46	67.96
33 31 11 00-0205	EA	12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	934.90	70.19
33 31 11 00-0206	EA	12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,342.56	72.42
33 31 11 00-0207	EA	12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,619.30	75.50
33 31 11 00-0208	EA	12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,690.41	81.35
33 31 11 00-0209	EA	15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,083.57	97.84
33 31 11 00-0210	EA	15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,312.23	103.69
33 31 11 00-0211	EA	15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,892.85	114.85
33 31 11 00-0212		**Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0213	EA	4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	88.63	27.44
		For SDR 26, Add	*4.12*	
33 31 11 00-0214	EA	6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	138.82	31.91
		For SDR 26, Add	*8.22*	
33 31 11 00-0215	EA	8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	206.09	36.36
		For SDR 26, Add	*13.97*	
33 31 11 00-0216	EA	10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	393.78	42.54
		For SDR 26, Add	*30.99*	
33 31 11 00-0217	EA	12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	559.51	54.24
		For SDR 26, Add	*45.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0218	EA	15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,098.20	76.56
		For SDR 26, Add	*93.18*	
33 31 11 00-0219	EA	18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,070.16	108.47
33 31 11 00-0220	EA	21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,459.23	143.56
33 31 11 00-0221	EA	24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	5,009.80	191.41

33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0160)*

33 31 11 00-0223	EA	6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	172.56	29.67
		For SDR 26, Add	*11.82*	
33 31 11 00-0224	EA	8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	248.63	31.91
		For SDR 26, Add	*18.76*	
33 31 11 00-0225	EA	8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	262.13	34.13
		For SDR 26, Add	*19.70*	
33 31 11 00-0226	EA	10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	595.61	37.22
		For SDR 26, Add	*51.23*	
33 31 11 00-0227	EA	10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	684.96	39.45
		For SDR 26, Add	*59.45*	
33 31 11 00-0228	EA	12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	765.47	43.07
		For SDR 26, Add	*66.59*	
33 31 11 00-0229	EA	12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	879.08	45.30
		For SDR 26, Add	*77.14*	
33 31 11 00-0230	EA	12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,008.43	48.39
		For SDR 26, Add	*89.07*	
33 31 11 00-0231	EA	15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,519.22	65.40
		For SDR 26, Add	*135.38*	

33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0160)*

33 31 11 00-0233	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	141.84	
		For SDR 26, Add	*8.51*	
33 31 11 00-0234	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	187.85	
		For SDR 26, Add	*11.91*	
33 31 11 00-0235	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	192.15	
		For SDR 26, Add	*12.32*	
33 31 11 00-0236	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	320.44	
		For SDR 26, Add	*23.62*	
33 31 11 00-0237	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	338.44	
		For SDR 26, Add	*25.34*	
33 31 11 00-0238	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	648.18	
		For SDR 26, Add	*55.08*	
33 31 11 00-0239	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	364.56	
		For SDR 26, Add	*26.32*	
33 31 11 00-0240	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	398.31	
		For SDR 26, Add	*29.56*	
33 31 11 00-0241	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	898.37	
		For SDR 26, Add	*77.57*	
33 31 11 00-0242	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	1,060.88	
		For SDR 26, Add	*93.17*	
33 31 11 00-0243	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	416.53	
		For SDR 26, Add	*27.74*	
33 31 11 00-0244	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	445.98	
		For SDR 26, Add	*30.56*	

33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0160)*

33 31 11 00-0246	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	151.92	
		For SDR 26, Add	*9.48*	
33 31 11 00-0247	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	187.85	
		For SDR 26, Add	*11.91*	
33 31 11 00-0248	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	205.87	
		For SDR 26, Add	*13.64*	
33 31 11 00-0249	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	293.73	
		For SDR 26, Add	*21.05*	
33 31 11 00-0250	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	336.29	
		For SDR 26, Add	*25.14*	
33 31 11 00-0251	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	513.74	
		For SDR 26, Add	*42.17*	
33 31 11 00-0252	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	362.42	
		For SDR 26, Add	*26.11*	
33 31 11 00-0253	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	396.27	
		For SDR 26, Add	*29.36*	
33 31 11 00-0254	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	597.36	
		For SDR 26, Add	*48.67*	
33 31 11 00-0255	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	728.60	
		For SDR 26, Add	*61.27*	
33 31 11 00-0256	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	415.20	
		For SDR 26, Add	*27.61*	
33 31 11 00-0257	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	436.00	
		For SDR 26, Add	*29.61*	
33 31 11 00-0258	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	733.33	
		For SDR 26, Add	*58.15*	
33 31 11 00-0259	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	812.52	
		For SDR 26, Add	*65.75*	
33 31 11 00-0260	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	1,152.91	
		For SDR 26, Add	*98.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0261		**Caps, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0262	EA	4" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC)	44.76	
33 31 11 00-0263	EA	6" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC)	68.59	
33 31 11 00-0264	EA	8" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC)	145.28	
33 31 11 00-0265	EA	10" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC)	391.85	
33 31 11 00-0266	EA	12" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC)	575.32	
33 31 11 00-0267		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings** *(33 31 11 00-0001)*		
		Note: ASTM F949.		
33 31 11 00-0268		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0267)*		
33 31 11 00-0269	LF	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	16.57	7.24
33 31 11 00-0270	LF	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	22.19	8.42
33 31 11 00-0271	LF	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	27.61	9.78
33 31 11 00-0272	LF	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	31.84	10.13
33 31 11 00-0273	LF	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	33.55	10.49
33 31 11 00-0274	LF	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	38.59	10.86
33 31 11 00-0275	LF	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	47.68	11.25
33 31 11 00-0276	LF	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	55.09	12.22
33 31 11 00-0277	LF	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	66.47	13.18
33 31 11 00-0278	LF	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	94.72	17.74
33 31 11 00-0279		**1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)** *(33 31 11 00-0267)*		
33 31 11 00-0280	EA	4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	55.53	
33 31 11 00-0281	EA	6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	73.96	
33 31 11 00-0282	EA	8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	101.05	
33 31 11 00-0283	EA	10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	166.49	
33 31 11 00-0284	EA	12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	180.77	
33 31 11 00-0285	EA	15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	294.77	
33 31 11 00-0286	EA	18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	461.64	
33 31 11 00-0287	EA	21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	645.44	
33 31 11 00-0288	EA	24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	829.18	
33 31 11 00-0289	EA	30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,087.75	
33 31 11 00-0290		**1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)** *(33 31 11 00-0267)*		
33 31 11 00-0291	EA	4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	52.36	
33 31 11 00-0292	EA	6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	69.27	
33 31 11 00-0293	EA	8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	94.22	
33 31 11 00-0294	EA	10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	153.66	
33 31 11 00-0295	EA	12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	167.34	
33 31 11 00-0296	EA	15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	271.04	
33 31 11 00-0297	EA	18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	422.94	
33 31 11 00-0298	EA	21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	588.00	
33 31 11 00-0299	EA	24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	753.10	
33 31 11 00-0300	EA	30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	986.23	
33 31 11 00-0301		**1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)** *(33 31 11 00-0267)*		
33 31 11 00-0302	EA	4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	47.61	
33 31 11 00-0303	EA	6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	59.37	
33 31 11 00-0304	EA	8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	89.17	
33 31 11 00-0305	EA	10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	112.52	
33 31 11 00-0306	EA	12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	153.08	
33 31 11 00-0307	EA	15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	245.82	
33 31 11 00-0308	EA	18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	356.62	
33 31 11 00-0309	EA	21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	529.24	
33 31 11 00-0310	EA	24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	701.86	
33 31 11 00-0311	EA	30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	983.80	
33 31 11 00-0312		**Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)** *(33 31 11 00-0267)*		
33 31 11 00-0313	EA	4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	86.10	
33 31 11 00-0314	EA	6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	110.15	
33 31 11 00-0315	EA	8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	188.09	
33 31 11 00-0316	EA	10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	295.88	
33 31 11 00-0317	EA	12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	481.74	
33 31 11 00-0318	EA	15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	684.68	
33 31 11 00-0319	EA	18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	990.11	
33 31 11 00-0320	EA	21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,135.42	
33 31 11 00-0321	EA	24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,280.67	
33 31 11 00-0322	EA	30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	2,291.33	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0323		**Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)** *(33 31 11 00-0267)*		
33 31 11 00-0324	EA	4" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	79.61	
33 31 11 00-0325	EA	6" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	101.25	
33 31 11 00-0326	EA	8" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	169.90	
33 31 11 00-0327	EA	10" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	264.80	
33 31 11 00-0328	EA	12" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	427.13	
33 31 11 00-0329	EA	15" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	605.86	
33 31 11 00-0330	EA	18" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	874.71	
33 31 11 00-0331	EA	21" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,001.56	
33 31 11 00-0332	EA	24" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,128.38	
33 31 11 00-0333	EA	30" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	2,005.22	
33 31 11 00-0334		**Couplings And Plug Fittings** *(33 31 11)*		
33 31 11 00-0335		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings** *(33 31 11 00-0334)*		
		Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0336	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	22.44	7.87
33 31 11 00-0337	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	24.53	9.18
33 31 11 00-0338	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	28.44	10.50
33 31 11 00-0339	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	32.28	11.16
33 31 11 00-0340	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	39.70	11.81
33 31 11 00-0341	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	47.17	13.12
33 31 11 00-0342	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	60.29	14.44
33 31 11 00-0343	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	74.73	15.09
33 31 11 00-0344	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	124.49	15.75
33 31 11 00-0345	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	170.08	17.06
33 31 11 00-0346	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	329.80	17.71
33 31 11 00-0347	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	383.43	18.71
33 31 11 00-0348	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	424.93	19.69
33 31 11 00-0349	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	509.29	21.00
33 31 11 00-0350		**Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings** *(33 31 11 00-0334)*		
		Note: For ductile iron to ductile iron. Includes stainless steel clamps.		
33 31 11 00-0351	EA	4" x 4" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-44)	38.00	
33 31 11 00-0352	EA	5" x 4" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-54)	53.59	
33 31 11 00-0353	EA	5" x 5" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-55)	50.60	
33 31 11 00-0354	EA	6" x 4" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-64)	64.50	
33 31 11 00-0355	EA	6" x 5" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-65)	67.61	
33 31 11 00-0356	EA	6" x 6" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-66)	61.41	
33 31 11 00-0357	EA	8" x 6" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-86)	90.91	
33 31 11 00-0358	EA	8" x 8" Ductile Iron To Ductile, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-88)	81.68	
33 31 11 00-0359	EA	10" x 8" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-10-8)	113.65	
33 31 11 00-0360	EA	10" x 10" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1010)	102.94	
33 31 11 00-0361	EA	12" x 10" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1210)	136.78	
33 31 11 00-0362	EA	12" x 12" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1212)	119.28	
33 31 11 00-0363	EA	16" x 15" Ductile Iron To Ductile Iro, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1615)	191.83	
33 31 11 00-0364		**Cast Iron Service Saddles With U Bolt** *(33 31 11)*		
33 31 11 00-0365	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	129.74	
33 31 11 00-0366	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	130.45	
33 31 11 00-0367	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	143.55	
33 31 11 00-0368	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	138.96	
33 31 11 00-0369	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	156.88	
33 31 11 00-0370	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	176.57	
33 31 11 00-0371	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	209.19	
33 31 11 00-0372	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	177.17	
33 31 11 00-0373	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	193.67	
33 31 11 00-0374	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	223.36	
33 31 11 00-0375	EA	2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	184.60	
33 31 11 00-0376	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	142.93	
33 31 11 00-0377	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	156.03	
33 31 11 00-0378	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	185.85	
33 31 11 00-0379	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	220.59	
33 31 11 00-0380	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	237.56	
33 31 11 00-0381		**Manhole Inside Bowl Drop** *(33 31 11)*		
33 31 11 00-0382	EA	Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	348.48	
33 31 11 00-0383	EA	Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96)	365.33	
33 31 11 00-0384	EA	Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB)	374.69	
33 31 11 00-0385	EA	Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96)	387.52	
33 31 11 00-0386	EA	Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB)	402.85	
33 31 11 00-0387	EA	Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84)	432.00	
33 31 11 00-0388	EA	Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB)	450.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0389	EA	Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96)	464.60	
33 31 11 00-0390	EA	Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60)	799.29	
33 31 11 00-0391	EA	Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96)	821.15	

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,263.86	389.43
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,233.16	389.43
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,056.65	129.77
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,627.14	129.77
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	13,716.40	

33 32 16 00-0007 Submersible Grinder Pumps *(33 32 16)*

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0008	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,967.74	778.81
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,879.14	908.61
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,210.70	1,168.22

33 32 16 00-0011 In-Line Sewage Grinder, Single Shaft Design *(33 32 16)*

33 32 16 00-0012	EA	In-Line Sewage Grinder, 4" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 4-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	15,026.21	1,518.56
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*2,700.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*9,600.00*	
33 32 16 00-0013	EA	In-Line Sewage Grinder, 6" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 6-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	15,026.21	1,518.56
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*2,700.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*9,600.00*	
33 32 16 00-0014	EA	In-Line Sewage Grinder, 8" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 8000, 5 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	15,026.21	1,518.56
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*2,700.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*9,600.00*	
33 32 16 00-0015	EA	In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1000, 7-1/2 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	23,522.13	1,518.56
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*2,700.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*9,600.00*	
33 32 16 00-0016	EA	In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1600, 10 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	31,603.61	1,518.56
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*2,700.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*9,600.00*	
33 32 16 00-0017	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 8000	77,428.66	
33 32 16 00-0018	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1000	86,792.58	
33 32 16 00-0019	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1600	307,819.76	

33 32 16 00-0020 In-Line Sewage Grinder, Double Shaft Design *(33 32 16)*

33 32 16 00-0021	EA	4" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	15,265.40	1,518.56
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0022	EA	6" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	16,507.52	1,518.56
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0023	EA	8" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	16,985.90	1,518.56
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0024	EA	10" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	19,368.31	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0025	EA	12" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	21,216.69	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0026	EA	12" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	41,791.61	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0027	EA	16" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	47,958.40	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0028	EA	18" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	50,355.02	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0029	EA	Up To 8" Cutter Cartridge Replacement For Series 30000	96,362.38	
33 32 16 00-0030	EA	10" To 12" Cutter Cartridge Replacement For Series 30000	154,815.57	
33 32 16 00-0031	EA	12" Cutter Cartridge Replacement For Series 40000	326,354.29	
33 32 16 00-0032	EA	16" Cutter Cartridge Replacement For Series 40000	385,754.13	
33 32 16 00-0033	EA	18" Cutter Cartridge Replacement For Series 40000	408,838.86	

33 32 16 00-0034 Open Channel Sewage, Double Shaft Design *(33 32 16)*

33 32 16 00-0035	EA	Open Channel Sewage Grinder, Double Shaft Design, 40" High Cutter Cartridge, Muffin Monster Series 30000	27,773.05	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0036	EA	Open Channel Sewage Grinder, Double Shaft Design, 50" High Cutter Cartridge, Muffin Monster Series 30000	30,141.25	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0037	EA	Open Channel Sewage Grinder, Double Shaft Design, 60" High Cutter Cartridge, Muffin Monster Series 30000	32,509.45	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0038	EA	Open Channel Sewage Grinder, Double Shaft Design, 18" High Cutter Cartridge, Muffin Monster Series 40000	38,952.14	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0039	EA	Open Channel Sewage Grinder, Double Shaft Design, 24" High Cutter Cartridge, Muffin Monster Series 40000	42,106.58	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0040	EA	Open Channel Sewage Grinder, Double Shaft Design, 32" High Cutter Cartridge, Muffin Monster Series 40000	45,126.03	1,518.56
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0041	EA	For Cutter Cartridge Replacement For Series 30000, 40"	176,086.82	
33 32 16 00-0042	EA	For Cutter Cartridge Replacement For Series 30000, 50"	196,901.86	
33 32 16 00-0043	EA	For Cutter Cartridge Replacement For Series 30000, 60"	219,998.00	
33 32 16 00-0044	EA	For Cutter Cartridge Replacement For Series 40000, 18"	243,664.41	
33 32 16 00-0045	EA	For Cutter Cartridge Replacement For Series 40000, 24"	284,439.08	
33 32 16 00-0046	EA	For Cutter Cartridge Replacement For Series 40000, 32"	316,374.48	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0047			**Monoflo TR Muncher** *(33 32 16)* Note: TR Muncher twin shaft sludge grinder, 3 HP TEXP motor, CI body, alloy steel cutter and spacers, 11 tooth cutters, 8mm thick, includes control panel monoflo priced separately.		
33 32 16 00-0048		EA	CT203P Monoflo TR Muncher 4" Ports with 12" Throat	40,152.17	506.27
			For 5 HP TEXP Motor, Add	*1,150.00*	
			For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0049		EA	CT203Q Monoflo TR Muncher 6" Ports with 12" Throat	40,152.17	506.27
			For 5 HP TEXP Motor, Add	*1,150.00*	
			For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0050		EA	CT203R Monoflo TR Muncher 8" Ports with 12" Throat	40,791.80	506.27
			For 5 HP TEXP Motor, Add	*1,150.00*	
			For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0051		EA	CT203S Monoflo TR Muncher 10" Ports with 12" Throat	46,804.27	506.27
			For 5 HP TEXP Motor, Add	*1,150.00*	
			For 5mm Thick Cutters, Add	*950.00*	
33 32 16 00-0052		EA	CT203T Monoflo TR Muncher 12" Ports with 12" Throat	50,002.40	506.27
			For 5 HP TEXP Motor, Add	*1,150.00*	
			For 5mm Thick Cutters, Add	*950.00*	
33 32 16 00-0053		EA	Monoflo TR Muncher Control Panel (MF-511)	8,952.04	126.57
33 32 16 00-0054		EA	Monoflo TR Muncher 12" Cutter Stack Rotating Assembly, spare part, material only	20,442.42	
			For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0055		EA	Monoflo TR Muncher 20" Cutter Stack Rotating Assembly, spare part, material only	21,491.40	
			For 5mm Thick Cutters, Add	*950.00*	

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

33 41 16 Subdrainage Piping *(33 41)*

33 41 16 13 Subdrainage Piping *(33 41 16)*

See CSI section 33 42 11 00-0274 for polyethylene drain pipe.

33 41 16 13-0001 **Corrugated High-Density Polyethylene (HDPE) Drainage Piping** *(33 41 16 13)*

33 41 16 13-0002 **Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping** *(33 41 16 13-0001)*
Note: Excludes couplings and gaskets.

33 41 16 13-0003 **Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping** *(33 41 16 13-0002)*

33 41 16 13-0004	LF		4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.38	5.18
			For <100, Add	*1.10*	
			For >1,000, Deduct	*-0.58*	
33 41 16 13-0005	LF		6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.22	5.54
			For <100, Add	*1.24*	
			For >1,000, Deduct	*-0.69*	
33 41 16 13-0006	LF		8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.56	5.82
			For <100, Add	*1.40*	
			For >1,000, Deduct	*-0.82*	
33 41 16 13-0007	LF		10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	14.76	6.00
			For <100, Add	*1.64*	
			For >1,000, Deduct	*-1.04*	
33 41 16 13-0008	LF		12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.49	6.56
			For <100, Add	*1.86*	
			For >1,000, Deduct	*-1.20*	
33 41 16 13-0009	LF		15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.31	7.40
			For <100, Add	*2.28*	
			For >1,000, Deduct	*-1.54*	
33 41 16 13-0010	LF		18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.17	12.25
			For <100, Add	*3.70*	
			For >1,000, Deduct	*-2.47*	
33 41 16 13-0011	LF		24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	52.36	13.46
			For <100, Add	*4.64*	
			For >1,000, Deduct	*-3.29*	

33 41 16 13-0012 **Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping** *(33 41 16 13-0002)*

33 41 16 13-0013	LF		4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.21	5.18
			For <100, Add	*1.09*	
			For >1,000, Deduct	*-0.57*	
33 41 16 13-0014	LF		6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.15	5.54
			For <100, Add	*1.24*	
			For >1,000, Deduct	*-0.68*	
33 41 16 13-0015	LF		8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	13.82	5.82
			For <100, Add	*1.56*	
			For >1,000, Deduct	*-0.98*	
33 41 16 13-0016	LF		10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.48	6.00
			For <100, Add	*1.72*	
			For >1,000, Deduct	*-1.12*	
33 41 16 13-0017	LF		12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	19.37	6.56
			For <100, Add	*1.95*	
			For >1,000, Deduct	*-1.30*	
33 41 16 13-0018	LF		15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.11	7.40
			For <100, Add	*2.27*	
			For >1,000, Deduct	*-1.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0019	LF	18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	35.93	12.25
		For <100, Add	*3.63*	
		For >1,000, Deduct	*-2.41*	
33 41 16 13-0020	LF	24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	50.40	13.46
		For <100, Add	*4.54*	
		For >1,000, Deduct	*-3.19*	

33 41 16 13-0021 Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 41 16 13-0001)*

Note: Excludes couplings and gaskets.

33 41 16 13-0022 Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0023	EA	4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	45.28	25.53
33 41 16 13-0024	EA	6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	53.67	29.79
33 41 16 13-0025	EA	8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	83.09	36.18
33 41 16 13-0026	EA	10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	106.08	44.69
33 41 16 13-0027	EA	12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	153.15	53.20
33 41 16 13-0028	EA	15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	317.38	69.52
33 41 16 13-0029	EA	18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	382.98	93.62
33 41 16 13-0030	EA	24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	701.26	106.40

33 41 16 13-0031 Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0032	EA	4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	46.32	25.53
33 41 16 13-0033	EA	6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	57.08	29.79
33 41 16 13-0034	EA	8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	118.77	36.18

33 41 16 13-0035 45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0036	EA	4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	30.54	17.03

33 41 16 13-0037 90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0038	EA	4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	31.64	17.03
33 41 16 13-0039	EA	6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	40.19	19.86
33 41 16 13-0040	EA	8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	57.93	24.12
33 41 16 13-0041	EA	10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	75.69	29.79

33 41 16 13-0042 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 *(33 41 16 13)*

Note: Includes fittings, couplings, elbows, etc.

33 41 16 13-0043	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.06	4.41
		For <100, Add	*1.01*	
		For >1,000, Deduct	*-0.57*	
33 41 16 13-0044	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.71	4.77
		For <100, Add	*1.10*	
		For >1,000, Deduct	*-0.62*	
33 41 16 13-0045	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	10.78	5.72
		For <100, Add	*1.40*	
		For >1,000, Deduct	*-0.83*	
33 41 16 13-0046	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	16.60	7.15
		For <100, Add	*1.90*	
		For >1,000, Deduct	*-1.19*	
33 41 16 13-0047	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	26.35	7.44
		For <100, Add	*2.43*	
		For >1,000, Deduct	*-1.69*	
33 41 16 13-0048	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	33.44	8.12
		For <100, Add	*2.89*	
		For >1,000, Deduct	*-2.08*	
33 41 16 13-0049	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	45.86	9.15
		For <100, Add	*3.67*	
		For >1,000, Deduct	*-2.75*	

33 41 16 13-0050 Perforated Non-Reinforced Concrete Drainage Piping, C444 *(33 41 16 13)*

33 41 16 13-0051	LF	6" Perforated Non-Reinforced Concrete Drainage Pipe	36.78	13.16
		For Extra Strength, Add	*2.11*	
		For >1,000, Deduct	*-1.84*	
33 41 16 13-0052	LF	8" Perforated Non-Reinforced Concrete Drainage Pipe	43.05	14.61
		For Extra Strength, Add	*2.60*	
		For >1,000, Deduct	*-2.15*	
33 41 16 13-0053	LF	10" Perforated Non-Reinforced Concrete Drainage Pipe	48.77	16.08
		For Extra Strength, Add	*3.03*	
		For >1,000, Deduct	*-2.44*	
33 41 16 13-0054	LF	12" Perforated Non-Reinforced Concrete Drainage Pipe	57.39	17.54
		For Extra Strength, Add	*3.80*	
		For >1,000, Deduct	*-2.87*	

33 41 16 13-0055 Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

Note: Bell and spigot or tongue and groove. With seals and gaskets.

33 41 16 13-0056	LF	6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	30.23	13.16
		For >1,000, Deduct	*-1.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0057	LF	8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	33.44	14.61
		For >1,000, Deduct	*-1.67*	
33 41 16 13-0058	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	36.90	16.08
		For >1,000, Deduct	*-1.85*	
33 41 16 13-0059	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	42.21	16.71
		For >1,000, Deduct	*-2.11*	
33 41 16 13-0060	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	49.14	18.80
		For >1,000, Deduct	*-2.46*	
33 41 16 13-0061	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	60.79	24.01
		For >1,000, Deduct	*-3.04*	
33 41 16 13-0062	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	75.90	30.80
		For >1,000, Deduct	*-3.80*	
33 41 16 13-0063	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	92.55	37.59
		For >1,000, Deduct	*-4.63*	

33 41 16 13-0064 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

33 41 16 13-0065	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	28.07	13.16
		For >1,000, Deduct	*-1.40*	
33 41 16 13-0066	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	35.84	14.61
		For >1,000, Deduct	*-1.79*	
33 41 16 13-0067	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	45.56	16.08
		For >1,000, Deduct	*-2.28*	
33 41 16 13-0068	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	55.48	17.54
		For >1,000, Deduct	*-2.77*	
33 41 16 13-0069	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	63.59	19.52
		For >1,000, Deduct	*-3.18*	
33 41 16 13-0070	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	82.49	24.34
		For >1,000, Deduct	*-4.12*	

33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16 13)*

33 41 16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe	27.55	14.61
33 41 16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe	32.95	16.45
33 41 16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe	37.68	16.45
33 41 16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe	50.60	20.10
33 41 16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe	60.21	21.93

33 41 16 13-0077 Geotextile Filter Fabric Sock *(33 41 16 13)*

33 41 16 13-0078	LF	3" Geotextile Filter Fabric Sock	0.86	
33 41 16 13-0079	LF	4" Geotextile Filter Fabric Sock	1.14	
33 41 16 13-0080	LF	6" Geotextile Filter Fabric Sock	1.72	
33 41 16 13-0081	LF	8" Geotextile Filter Fabric Sock	2.31	
33 41 16 13-0082	LF	10" Geotextile Filter Fabric Sock	3.48	
33 41 16 13-0083	LF	12" Geotextile Filter Fabric Sock	4.80	
33 41 16 13-0084	LF	15" Geotextile Filter Fabric Sock	5.78	

33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	25.81	6.27
		For Full Perforated, Add	*1.33*	
33 41 16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	32.69	7.59
		For Full Perforated, Add	*1.75*	
33 41 16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	41.22	9.64
		For Full Perforated, Add	*2.19*	
33 41 16 13-0089	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	45.72	11.39
		For Full Perforated, Add	*2.29*	
33 41 16 13-0090	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	52.42	11.79
		For Full Perforated, Add	*2.88*	
33 41 16 13-0091	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	59.27	12.22
		For Full Perforated, Add	*3.48*	
33 41 16 13-0092	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	67.83	13.19
		For Full Perforated, Add	*4.15*	

33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0094	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	27.94	6.27
		For Full Perforated, Add	*1.54*	
33 41 16 13-0095	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	35.58	7.59
		For Full Perforated, Add	*2.04*	
33 41 16 13-0096	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	44.75	9.64
		For Full Perforated, Add	*2.55*	
33 41 16 13-0097	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	49.16	11.39
		For Full Perforated, Add	*2.64*	
33 41 16 13-0098	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	56.67	11.79
		For Full Perforated, Add	*3.31*	
33 41 16 13-0099	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	64.31	12.22
		For Full Perforated, Add	*3.99*	
33 41 16 13-0100	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	73.70	13.19
		For Full Perforated, Add	*4.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0101		**Strip-Perforated, Corrugated Aluminum Pipe** *(33 41 16 13)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0102	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	28.63	6.27
		For Full Perforated, Add	*1.61*	
33 41 16 13-0103	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	36.47	7.59
		For Full Perforated, Add	*2.13*	
33 41 16 13-0104	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	45.88	9.64
		For Full Perforated, Add	*2.66*	
33 41 16 13-0105	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	57.64	11.39
		For Full Perforated, Add	*3.49*	
33 41 16 13-0106	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	67.22	11.79
		For Full Perforated, Add	*4.36*	
33 41 16 13-0107	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	77.10	12.22
		For Full Perforated, Add	*5.27*	
33 41 16 13-0108	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	88.61	13.19
		For Full Perforated, Add	*6.22*	
33 41 16 13-0109		**Prefabricated Composite Drains** *(33 41 16 13)*		
33 41 16 13-0110		**Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)** *(33 41 16 13-0109)*		
		Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 13-0111	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	11.73	2.40
		For External Typar Geotextile Wrap, Add	*2.17*	
33 41 16 13-0112	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.32	
33 41 16 13-0113	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.32	
33 41 16 13-0114	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	103.64	
33 41 16 13-0115	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	103.64	
33 41 16 13-0116	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	18.79	3.00
		For External Typar Geotextile Wrap, Add	*3.26*	
33 41 16 13-0117	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	79.15	
33 41 16 13-0118	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	79.15	
33 41 16 13-0119	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	136.29	
33 41 16 13-0120	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	136.29	
33 41 19		**Underslab Drainage** *(33 41)*		
33 41 19 13		**Underslab Drainage Piping** *(33 41 19)*		
33 41 19 13-0001		**Capillary Water Barrier Underslab Drainage** *(33 41 19 13)*		
		Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 13-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	64.54	
33 41 19 13-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	61.76	
33 41 19 13-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	60.65	
33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	58.98	
33 42		**Stormwater Conveyance** *(33 40)*		
		Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 42 11		**Stormwater Gravity Piping** *(33 42)*		
33 42 11 00-0001		**Reinforced Concrete Piping** *(33 42 11)*		
		Note: Includes detectable tracer wire.		
33 42 11 00-0002		**Class 3 Reinforced Concrete Pipe Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	55.25	17.54
		For >1,000, Deduct	*-2.76*	
		For Class 4, Add	*2.87*	
		For Class 5, Add	*6.04*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	66.54	19.52
		For >1,000, Deduct	*-3.33*	
		For Class 4, Add	*3.67*	
		For Class 5, Add	*7.73*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	75.44	24.34
		For >1,000, Deduct	*-3.77*	
		For Class 4, Add	*3.86*	
		For Class 5, Add	*8.13*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	96.71	30.70
		For >1,000, Deduct	*-4.84*	
		For Class 4, Add	*5.02*	
		For Class 5, Add	*10.57*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	113.05	37.28
		For >1,000, Deduct	*-5.65*	
		For Class 4, Add	*5.68*	
		For Class 5, Add	*11.96*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	143.74	47.79
		For >1,000, Deduct	*-7.19*	
		For Class 4, Add	*7.17*	
		For Class 5, Add	*15.10*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	152.96	49.34
		For >1,000, Deduct	*-7.65*	
		For Class 4, Add	*7.76*	
		For Class 5, Add	*16.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	190.01	56.07
		For >1,000, Deduct	*-9.50*	
		For Class 4, Add	*10.52*	
		For Class 5, Add	*22.14*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	247.45	61.69
		For >1,000, Deduct	*-12.37*	
		For Class 4, Add	*15.22*	
		For Class 5, Add	*32.04*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	296.84	68.69
		For >1,000, Deduct	*-14.84*	
		For Class 4, Add	*18.88*	
		For Class 5, Add	*39.74*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	370.17	78.51
		For >1,000, Deduct	*-18.51*	
		For Class 4, Add	*24.51*	
		For Class 5, Add	*51.60*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	447.41	91.07
		For >1,000, Deduct	*-22.37*	
		For Class 4, Add	*30.15*	
		For Class 5, Add	*63.46*	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	694.05	100.94
		For >1,000, Deduct	*-34.70*	
		For Class 4, Add	*52.30*	
		For Class 5, Add	*110.10*	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	810.55	109.90
		For >1,000, Deduct	*-40.53*	
		For Class 4, Add	*62.09*	
		For Class 5, Add	*130.71*	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	975.66	123.36
		For >1,000, Deduct	*-48.78*	
		For Class 4, Add	*75.91*	
		For Class 5, Add	*159.80*	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,259.21	137.39
		For >1,000, Deduct	*-62.96*	
		For Class 4, Add	*100.98*	
		For Class 5, Add	*212.59*	

33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	89.16	27.88
		For >1,000, Deduct	*-4.46*	
		For Horizontal Elliptical - II (HE- II), Add	*4.93*	
		For Horizontal Elliptical - III (HE- III), Add	*10.85*	
		For Horizontal Elliptical - IV (HE- IV), Add	*23.68*	
33 42 11 00-0021	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	134.24	32.37
		For >1,000, Deduct	*-6.71*	
		For Horizontal Elliptical - II (HE- II), Add	*8.80*	
		For Horizontal Elliptical - III (HE- III), Add	*19.36*	
		For Horizontal Elliptical - IV (HE- IV), Add	*42.24*	
33 42 11 00-0022	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	185.94	49.57
		For >1,000, Deduct	*-9.30*	
		For Horizontal Elliptical - II (HE- II), Add	*11.51*	
		For Horizontal Elliptical - III (HE- III), Add	*25.33*	
		For Horizontal Elliptical - IV (HE- IV), Add	*55.26*	
33 42 11 00-0023	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	219.49	63.56
		For >1,000, Deduct	*-10.97*	
		For Horizontal Elliptical - II (HE- II), Add	*12.87*	
		For Horizontal Elliptical - III (HE- III), Add	*28.31*	
		For Horizontal Elliptical - IV (HE- IV), Add	*61.77*	
33 42 11 00-0024	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	233.10	66.41
		For >1,000, Deduct	*-11.66*	
		For Horizontal Elliptical - II (HE- II), Add	*13.82*	
		For Horizontal Elliptical - III (HE- III), Add	*30.41*	
		For Horizontal Elliptical - IV (HE- IV), Add	*66.35*	
33 42 11 00-0025	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	268.26	70.12
		For >1,000, Deduct	*-13.41*	
		For Horizontal Elliptical - II (HE- II), Add	*16.81*	
		For Horizontal Elliptical - III (HE- III), Add	*36.98*	
		For Horizontal Elliptical - IV (HE- IV), Add	*80.68*	
33 42 11 00-0026	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	303.41	73.82
		For >1,000, Deduct	*-15.17*	
		For Horizontal Elliptical - II (HE- II), Add	*19.80*	
		For Horizontal Elliptical - III (HE- III), Add	*43.55*	
		For Horizontal Elliptical - IV (HE- IV), Add	*95.02*	
33 42 11 00-0027	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	370.70	81.24
		For >1,000, Deduct	*-18.54*	
		For Horizontal Elliptical - II (HE- II), Add	*25.47*	
		For Horizontal Elliptical - III (HE- III), Add	*56.02*	
		For Horizontal Elliptical - IV (HE- IV), Add	*122.23*	
33 42 11 00-0028	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	447.34	91.36
		For >1,000, Deduct	*-22.37*	
		For Horizontal Elliptical - II (HE- II), Add	*31.68*	
		For Horizontal Elliptical - III (HE- III), Add	*69.70*	
		For Horizontal Elliptical - IV (HE- IV), Add	*152.07*	
33 42 11 00-0029	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	509.18	104.41
		For >1,000, Deduct	*-25.46*	
		For Horizontal Elliptical - II (HE- II), Add	*36.00*	
		For Horizontal Elliptical - III (HE- III), Add	*79.20*	
		For Horizontal Elliptical - IV (HE- IV), Add	*172.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0030	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	631.47	121.12
		For >1,000, Deduct	*-31.57*	
		For Horizontal Elliptical - II (HE- II), Add	*45.84*	
		For Horizontal Elliptical - III (HE- III), Add	*100.86*	
		For Horizontal Elliptical - IV (HE- IV), Add	*220.05*	
33 42 11 00-0031	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	721.23	133.46
33 42 11 00-0032	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	876.32	145.80
33 42 11 00-0033	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	1,047.93	164.86
33 42 11 00-0034	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	1,133.93	182.81
33 42 11 00-0035	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	1,456.77	191.78
33 42 11 00-0036	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,690.61	200.76
33 42 11 00-0037		**Concrete Reducing Wye Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0038	EA	12" Concrete Reducing Wye Without Gaskets	691.81	66.83
33 42 11 00-0039	EA	15" Concrete Reducing Wye Without Gaskets	829.44	81.44
33 42 11 00-0040	EA	18" Concrete Reducing Wye Without Gaskets	1,026.38	89.80
33 42 11 00-0041	EA	21" Concrete Reducing Wye Without Gaskets	1,176.87	110.68
33 42 11 00-0042	EA	24" Concrete Reducing Wye Without Gaskets	1,328.98	133.65
33 42 11 00-0043		**Concrete Pipe Joint Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0044	EA	12" Diameter Concrete Pipe Joint Gasket	6.70	
33 42 11 00-0045	EA	15" Diameter Concrete Pipe Joint Gasket	7.92	
33 42 11 00-0046	EA	18" Diameter Concrete Pipe Joint Gasket	9.18	
33 42 11 00-0047	EA	21" Diameter Concrete Pipe Joint Gasket	11.09	
33 42 11 00-0048	EA	24" Diameter Concrete Pipe Joint Gasket	12.99	
33 42 11 00-0049	EA	27" Diameter Concrete Pipe Joint Gasket	14.48	
33 42 11 00-0050	EA	30" Diameter Concrete Pipe Joint Gasket	15.91	
33 42 11 00-0051	EA	36" Diameter Concrete Pipe Joint Gasket	19.44	
33 42 11 00-0052	EA	42" Diameter Concrete Pipe Joint Gasket	22.53	
33 42 11 00-0053	EA	48" Diameter Concrete Pipe Joint Gasket	25.99	
33 42 11 00-0054	EA	54" Diameter Concrete Pipe Joint Gasket	31.86	
33 42 11 00-0055	EA	60" Diameter Concrete Pipe Joint Gasket	47.16	
33 42 11 00-0056	EA	66" Diameter Concrete Pipe Joint Gasket	49.02	
33 42 11 00-0057	EA	72" Diameter Concrete Pipe Joint Gasket	50.83	
33 42 11 00-0058	EA	78" Diameter Concrete Pipe Joint Gasket	58.54	
33 42 11 00-0059	EA	84" Diameter Concrete Pipe Joint Gasket	70.17	
33 42 11 00-0060		**Couplings** *(33 42 11 00-0001)*		
33 42 11 00-0061		**Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings** *(33 42 11 00-0060)*		
		Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.		
33 42 11 00-0062	EA	4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	40.83	
33 42 11 00-0063	EA	4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	38.00	
33 42 11 00-0064	EA	6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	62.68	
33 42 11 00-0065	EA	6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	64.95	
33 42 11 00-0066	EA	6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	60.60	
33 42 11 00-0067	EA	8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	90.91	
33 42 11 00-0068	EA	8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	79.09	
33 42 11 00-0069	EA	10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	113.65	
33 42 11 00-0070	EA	10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	101.18	
33 42 11 00-0071	EA	12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	136.72	
33 42 11 00-0072	EA	12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	115.12	
33 42 11 00-0073	EA	15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	348.89	
33 42 11 00-0074		**Precast Concrete Cut Off Wall** *(33 42 11 00-0001)*		
33 42 11 00-0075	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	288.65	197.38
33 42 11 00-0076	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	356.04	244.50
33 42 11 00-0077	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	441.34	309.54
33 42 11 00-0078	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	522.16	370.10
33 42 11 00-0079	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	600.63	428.31
33 42 11 00-0080	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	739.89	547.30
33 42 11 00-0081	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	966.70	753.67
33 42 11 00-0082	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,204.79	951.05
33 42 11 00-0083	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,487.15	1,193.07
33 42 11 00-0084	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,664.16	1,344.70
33 42 11 00-0085	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,857.81	1,507.32
33 42 11 00-0086	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,054.13	1,674.43
33 42 11 00-0087	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,134.49	1,738.36
33 42 11 00-0088	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,205.16	1,794.43
33 42 11 00-0089	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,275.83	1,850.50
33 42 11 00-0090	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,348.35	1,906.59
33 42 11 00-0091		**Strap Assembly** *(33 42 11 00-0001)*		
		Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0092	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	255.01	
33 42 11 00-0093	EA	>24" Diameter Pipe, 12' Strap Assembly	360.13	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0094		Prestressed Concrete Cylinder Piping *(33 42 11)*		
		Note: Includes detectable tracer wire.		
33 42 11 00-0095		150 PSI Prestressed Concrete Cylinder Pipe And Fittings *(33 42 11 00-0094)*		
33 42 11 00-0096		150 PSI Prestressed Concrete Cylinder Pipe With Gaskets *(33 42 11 00-0095)*		
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0097	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	155.14	17.54
		For >1,000, Deduct	*-7.76*	
		For 100 PSI, Deduct	*-32.52*	
33 42 11 00-0098	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	165.49	19.52
		For >1,000, Deduct	*-8.27*	
		For 100 PSI, Deduct	*-34.40*	
33 42 11 00-0099	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	179.91	24.34
		For >1,000, Deduct	*-9.00*	
		For 100 PSI, Deduct	*-36.29*	
33 42 11 00-0100	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	196.53	30.70
		For >1,000, Deduct	*-9.83*	
		For 100 PSI, Deduct	*-38.17*	
33 42 11 00-0101	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	213.45	37.28
		For >1,000, Deduct	*-10.67*	
		For 100 PSI, Deduct	*-40.05*	
33 42 11 00-0102	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	250.69	49.34
		For >1,000, Deduct	*-12.53*	
		For 100 PSI, Deduct	*-44.84*	
33 42 11 00-0103	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	277.83	56.07
		For >1,000, Deduct	*-13.89*	
		For 100 PSI, Deduct	*-49.64*	
33 42 11 00-0104	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	322.76	61.69
		For >1,000, Deduct	*-16.14*	
		For 100 PSI, Deduct	*-58.88*	
33 42 11 00-0105	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	370.61	68.69
		For >1,000, Deduct	*-18.53*	
		For 100 PSI, Deduct	*-68.12*	
33 42 11 00-0106	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	490.32	88.27
		For >1,000, Deduct	*-24.52*	
		For 100 PSI, Deduct	*-91.06*	
33 42 11 00-0107	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	591.28	102.40
		For >1,000, Deduct	*-29.56*	
		For 100 PSI, Deduct	*-111.25*	
33 42 11 00-0108	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	664.61	113.49
		For >1,000, Deduct	*-33.23*	
		For 100 PSI, Deduct	*-125.80*	
33 42 11 00-0109	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	741.35	123.58
		For >1,000, Deduct	*-37.07*	
		For 100 PSI, Deduct	*-141.20*	
33 42 11 00-0110	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	842.15	138.71
		For >1,000, Deduct	*-42.11*	
		For 100 PSI, Deduct	*-160.89*	
33 42 11 00-0111	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	942.94	154.47
		For >1,000, Deduct	*-47.15*	
		For 100 PSI, Deduct	*-180.57*	
33 42 11 00-0112	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,165.62	180.32
		For >1,000, Deduct	*-58.28*	
		For 100 PSI, Deduct	*-226.78*	
33 42 11 00-0113	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,372.47	205.92
		For >1,000, Deduct	*-68.62*	
		For 100 PSI, Deduct	*-269.57*	
33 42 11 00-0114	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,602.08	222.89
		For >1,000, Deduct	*-80.10*	
		For 100 PSI, Deduct	*-320.92*	
33 42 11 00-0115	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,810.06	236.69
		For >1,000, Deduct	*-90.50*	
		For 100 PSI, Deduct	*-367.98*	
33 42 11 00-0116	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,189.21	250.49
		For >1,000, Deduct	*-109.46*	
		For 100 PSI, Deduct	*-457.84*	
33 42 11 00-0117	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,549.57	263.13
		For >1,000, Deduct	*-127.48*	
		For 100 PSI, Deduct	*-543.42*	
33 42 11 00-0118	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,779.85	275.76
		For >1,000, Deduct	*-138.99*	
		For 100 PSI, Deduct	*-596.48*	
33 42 11 00-0119	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,013.56	288.40
		For >1,000, Deduct	*-150.68*	
		For 100 PSI, Deduct	*-650.39*	
33 42 11 00-0120	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,245.56	301.04
		For >1,000, Deduct	*-162.28*	
		For 100 PSI, Deduct	*-703.88*	
33 42 11 00-0121	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,477.55	313.67
		For >1,000, Deduct	*-173.88*	
		For 100 PSI, Deduct	*-757.36*	
33 42 11 00-0122		150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0095)*		
33 42 11 00-0123	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	503.49	164.46
33 42 11 00-0124	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	695.79	234.93
33 42 11 00-0125	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	893.50	313.24
33 42 11 00-0126	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,091.20	391.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0127	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,323.34	486.58
33 42 11 00-0128	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,696.72	652.60
33 42 11 00-0129	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,117.52	785.06
33 42 11 00-0130	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,465.83	916.28
33 42 11 00-0131	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,774.71	1,046.38
33 42 11 00-0132	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,411.58	1,306.57
33 42 11 00-0133	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,446.36	1,765.38
33 42 11 00-0134	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,954.47	1,954.54
33 42 11 00-0135	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,462.57	2,143.69
33 42 11 00-0136	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,608.78	2,458.93
33 42 11 00-0137	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,748.02	2,774.18
33 42 11 00-0138	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,185.76	3,152.47
33 42 11 00-0139	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	10,616.53	3,530.78
33 42 11 00-0140	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	14,198.88	4,481.09
33 42 11 00-0141	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	17,716.24	5,377.31
33 42 11 00-0142	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	23,004.83	7,169.75
33 42 11 00-0143	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	28,208.59	8,962.18
33 42 11 00-0144	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	31,881.84	9,666.36
33 42 11 00-0145	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	35,559.82	10,370.52
33 42 11 00-0146	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	46,667.02	11,074.70
33 42 11 00-0147	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	42,991.86	11,778.86

33 42 11 00-0148 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 42 11 00-0095)*

33 42 11 00-0149	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	468.57	164.46
33 42 11 00-0150	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	650.61	234.93
33 42 11 00-0151	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	840.10	313.24
33 42 11 00-0152	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,029.58	391.56
33 42 11 00-0153	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,253.50	486.58
33 42 11 00-0154	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,600.88	608.74
33 42 11 00-0155	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,007.98	785.06
33 42 11 00-0156	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,339.18	916.28
33 42 11 00-0157	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,638.47	1,046.38
33 42 11 00-0158	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,218.24	1,306.57
33 42 11 00-0159	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,261.95	1,765.38
33 42 11 00-0160	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,756.70	1,954.54
33 42 11 00-0161	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,251.44	2,143.69
33 42 11 00-0162	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,115.96	2,458.93
33 42 11 00-0163	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,973.51	2,774.18
33 42 11 00-0164	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,208.33	3,152.47
33 42 11 00-0165	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,436.17	3,530.78
33 42 11 00-0166	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	12,324.91	4,413.47
33 42 11 00-0167	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	15,419.12	5,377.31
33 42 11 00-0168	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	20,148.83	7,169.75
33 42 11 00-0169	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	24,793.70	8,962.18
33 42 11 00-0170	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	27,715.07	9,666.36
33 42 11 00-0171	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	30,641.17	11,778.86
33 42 11 00-0172	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	33,578.84	11,074.70
33 42 11 00-0173	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	36,862.65	11,778.86

33 42 11 00-0174 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0094)*

33 42 11 00-0175 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0174)*

Note: AWWA C301

33 42 11 00-0176	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	295.71	49.34
		For >1,000, Deduct	*-14.79*	
33 42 11 00-0177	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	360.97	56.07
		For >1,000, Deduct	*-18.05*	
33 42 11 00-0178	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	421.46	61.69
		For >1,000, Deduct	*-21.07*	

33 42 11 00-0179 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0174)*

Note: AWWA C301

33 42 11 00-0180	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	568.87	68.64
		For >1,000, Deduct	*-28.44*	
33 42 11 00-0181	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	680.61	88.27
		For >1,000, Deduct	*-34.03*	
33 42 11 00-0182	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	784.57	102.40
		For >1,000, Deduct	*-39.23*	
33 42 11 00-0183	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	883.47	113.49
		For >1,000, Deduct	*-44.17*	
33 42 11 00-0184	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	1,071.21	123.58
		For >1,000, Deduct	*-53.56*	

33 42 11 00-0185 Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0174)*

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.

33 42 11 00-0186	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	2,270.57	
33 42 11 00-0187	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	2,438.76	
33 42 11 00-0188	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	2,522.85	
33 42 11 00-0189	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	2,859.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0190	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	2,943.33	
33 42 11 00-0191	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	3,111.52	
33 42 11 00-0192	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	3,195.61	
33 42 11 00-0193	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	3,279.71	
33 42 11 00-0194	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,204.75	
33 42 11 00-0195	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,204.75	
33 42 11 00-0196	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,793.42	
33 42 11 00-0197	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,793.42	
33 42 11 00-0198	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,129.80	
33 42 11 00-0199	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,129.80	
33 42 11 00-0200	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,550.27	
33 42 11 00-0201	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,550.27	

33 42 11 00-0202 Quick Test Joints *(33 42 11 00-0174)*

33 42 11 00-0203	EA	30" Quick Test Joint	636.85	
33 42 11 00-0204	EA	36" Quick Test Joint	642.46	
33 42 11 00-0205	EA	42" Quick Test Joint	648.07	
33 42 11 00-0206	EA	48" Quick Test Joint	661.21	
33 42 11 00-0207	EA	54" Quick Test Joint	690.80	
33 42 11 00-0208	EA	60" Quick Test Joint	715.96	
33 42 11 00-0209	EA	66" Quick Test Joint	753.67	
33 42 11 00-0210	EA	72" Quick Test Joint	791.38	

33 42 11 00-0211 Harnessed Joints *(33 42 11 00-0174)*

33 42 11 00-0212 Harness Clamp Restrained Joints *(33 42 11 00-0211)*

33 42 11 00-0213	EA	30" Harness Clamp Restrained Joint	12,501.53	
33 42 11 00-0214	EA	36" Harness Clamp Restrained Joint	12,984.51	
33 42 11 00-0215	EA	42" Harness Clamp Restrained Joint	13,467.50	
33 42 11 00-0216	EA	48" Harness Clamp Restrained Joint	13,950.48	
33 42 11 00-0217	EA	54" Harness Clamp Restrained Joint	14,447.42	
33 42 11 00-0218	EA	60" Harness Clamp Restrained Joint	15,176.09	
33 42 11 00-0219	EA	66" Harness Clamp Restrained Joint	15,666.08	
33 42 11 00-0220	EA	72" Harness Clamp Restrained Joint	16,776.66	

33 42 11 00-0221 Snap Ring Restrained Joints *(33 42 11 00-0211)*

33 42 11 00-0222	EA	30" Snap Ring Restrained Joint	1,999.23	
33 42 11 00-0223	EA	36" Snap Ring Restrained Joint	2,291.27	
33 42 11 00-0224	EA	42" Snap Ring Restrained Joint	3,108.42	
33 42 11 00-0225	EA	48" Snap Ring Restrained Joint	3,543.66	
33 42 11 00-0226	EA	54" Snap Ring Restrained Joint	3,992.86	
33 42 11 00-0227	EA	60" Snap Ring Restrained Joint	4,530.58	
33 42 11 00-0228	EA	66" Snap Ring Restrained Joint	5,020.57	
33 42 11 00-0229	EA	72" Snap Ring Restrained Joint	5,606.03	

33 42 11 00-0230 Pipe Repairs *(33 42 11 00-0174)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0231 Lined Cylinder Pipe Repair *(33 42 11 00-0230)*

33 42 11 00-0232	EA	30" Lined Cylinder Pipe Repair	6,511.27	
33 42 11 00-0233	EA	36" Lined Cylinder Pipe Repair	8,064.72	
33 42 11 00-0234	EA	42" Lined Cylinder Pipe Repair	11,271.38	

33 42 11 00-0235 Embedded Cylinder Pipe Repair *(33 42 11 00-0230)*

Note: Field welded concrete enclosure assembly with concrete pipe.

33 42 11 00-0236	EA	48" Embedded Cylinder Pipe Repair	16,937.49	
33 42 11 00-0237	EA	54" Embedded Cylinder Pipe Repair	19,690.79	
33 42 11 00-0238	EA	60" Embedded Cylinder Pipe Repair	22,462.74	
33 42 11 00-0239	EA	66" Embedded Cylinder Pipe Repair	25,381.00	
33 42 11 00-0240	EA	72" Embedded Cylinder Pipe Repair	30,595.33	

33 42 11 00-0241 Tapping For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0094)*

33 42 11 00-0242 Tapping Assembly For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0241)*

Note: For use with lock-joint style pipe.

33 42 11 00-0243	EA	4" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	3,213.52	
33 42 11 00-0244	EA	6" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	3,307.16	
33 42 11 00-0245	EA	8" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	3,768.49	
33 42 11 00-0246	EA	10" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	4,257.72	
33 42 11 00-0247	EA	12" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	4,581.88	
33 42 11 00-0248	EA	4" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	3,282.82	
33 42 11 00-0249	EA	6" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	3,612.20	
33 42 11 00-0250	EA	8" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	3,771.15	
33 42 11 00-0251	EA	10" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	4,416.08	
33 42 11 00-0252	EA	12" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	5,615.04	
33 42 11 00-0253	EA	4" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	3,322.72	
33 42 11 00-0254	EA	6" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	3,536.11	
33 42 11 00-0255	EA	8" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	4,039.56	
33 42 11 00-0256	EA	10" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	5,104.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0257	EA	12" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	5,073.06	
33 42 11 00-0258	EA	6" Tapping Assembly, 30" Diameter Prestressed Concrete Cylinder Pipe	30,593.04	
33 42 11 00-0259	EA	8" Tapping Assembly, 30" Diameter Prestressed Concrete Cylinder Pipe	4,384.83	

33 42 11 00-0260 Tapping Assembly And Gland Insert For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0241)*

Note: For use with lock-joint style pipe.

33 42 11 00-0261	EA	3/4" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	786.46	
33 42 11 00-0262	EA	1" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	822.51	
33 42 11 00-0263	EA	1-1/4" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	902.32	
33 42 11 00-0264	EA	1-1/2" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	833.63	
33 42 11 00-0265	EA	2" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	833.79	
33 42 11 00-0266	EA	3/4" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	838.46	
33 42 11 00-0267	EA	1" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	911.99	
33 42 11 00-0268	EA	1-1/2" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	873.61	
33 42 11 00-0269	EA	2" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	873.61	
33 42 11 00-0270	EA	1" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	955.54	
33 42 11 00-0271	EA	1-1/4" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	976.28	
33 42 11 00-0272	EA	1-1/2" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	983.50	
33 42 11 00-0273	EA	2" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	991.78	

33 42 11 00-0274 High-Density Polyethylene (HDPE) Drainage Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0275 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0274)*

Note: Excludes couplings and gaskets.

33 42 11 00-0276 Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0275)*

33 42 11 00-0277	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.43	7.24
		For <100, Add	*2.89*	
		For >1,000, Deduct	*-1.55*	
33 42 11 00-0278	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.81	8.42
		For <100, Add	*3.37*	
		For >1,000, Deduct	*-1.93*	
33 42 11 00-0279	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.03	9.78
		For <100, Add	*3.91*	
		For >1,000, Deduct	*-2.33*	
33 42 11 00-0280	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.02	10.13
		For <100, Add	*4.05*	
		For >1,000, Deduct	*-2.56*	
33 42 11 00-0281	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.65	10.49
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.68*	
33 42 11 00-0282	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.38	10.86
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.95*	
33 42 11 00-0283	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	45.88	11.25
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.42*	
33 42 11 00-0284	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	63.59	13.18
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.50*	
33 42 11 00-0285	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	90.48	17.74
		For <100, Add	*7.10*	
		For >1,000, Deduct	*-6.30*	
33 42 11 00-0286	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	119.21	22.43
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-8.20*	

33 42 11 00-0287 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0275)*

33 42 11 00-0288	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.45	10.49
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.67*	
33 42 11 00-0289	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.21	10.86
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-3.00*	
33 42 11 00-0290	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.12	11.25
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.48*	
33 42 11 00-0291	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	65.55	13.18
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.60*	
33 42 11 00-0292	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	95.84	17.74
		For <100, Add	*7.10*	
		For >1,000, Deduct	*-6.57*	
33 42 11 00-0293	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	123.19	22.43
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-8.40*	
33 42 11 00-0294	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	162.01	24.47
		For <100, Add	*9.79*	
		For >1,000, Deduct	*-10.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0295	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	176.39	27.61
		For <100, Add	*11.04*	
		For >1,000, Deduct	*-11.58*	

33 42 11 00-0296 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0274)*

Note: Excludes couplings and gaskets.

33 42 11 00-0297 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0296)*

33 42 11 00-0298	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.46	7.24
		For <100, Add	*2.89*	
		For >1,000, Deduct	*-1.60*	
33 42 11 00-0299	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.85	8.42
		For <100, Add	*3.37*	
		For >1,000, Deduct	*-1.93*	
33 42 11 00-0300	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.03	9.78
		For <100, Add	*3.91*	
		For >1,000, Deduct	*-2.33*	
33 42 11 00-0301	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.05	10.13
		For <100, Add	*4.05*	
		For >1,000, Deduct	*-2.57*	
33 42 11 00-0302	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.65	10.49
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.68*	
33 42 11 00-0303	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.42	10.86
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.96*	
33 42 11 00-0304	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	45.91	11.25
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.42*	
33 42 11 00-0305	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	63.59	13.18
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.50*	
33 42 11 00-0306	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	90.82	17.74
		For <100, Add	*7.10*	
		For >1,000, Deduct	*-6.32*	
33 42 11 00-0307	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	119.21	22.43
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-8.20*	

33 42 11 00-0308 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0296)*

33 42 11 00-0309	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.48	10.49
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.67*	
33 42 11 00-0310	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.24	10.86
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-3.00*	
33 42 11 00-0311	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.15	11.25
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.48*	
33 42 11 00-0312	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	65.55	13.18
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.60*	
33 42 11 00-0313	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	95.84	17.74
		For <100, Add	*7.10*	
		For >1,000, Deduct	*-6.57*	
33 42 11 00-0314	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	123.19	22.43
		For <100, Add	*8.97*	
		For >1,000, Deduct	*-8.40*	
33 42 11 00-0315	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	162.01	24.47
		For <100, Add	*9.79*	
		For >1,000, Deduct	*-10.55*	
33 42 11 00-0316	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	176.39	27.61
		For <100, Add	*11.04*	
		For >1,000, Deduct	*-11.58*	

33 42 11 00-0317 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0274)*

Note: Excludes couplings and gaskets.

33 42 11 00-0318 Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0317)*

33 42 11 00-0319	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	62.25	25.53
33 42 11 00-0320	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	77.49	29.79
33 42 11 00-0321	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	121.33	36.18
33 42 11 00-0322	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	181.75	44.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0323	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	281.27	53.20
33 42 11 00-0324	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	395.22	69.52
33 42 11 00-0325	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	566.36	93.62
33 42 11 00-0326	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	721.55	106.87
33 42 11 00-0327	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,240.93	123.42
33 42 11 00-0328	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,588.69	142.57
33 42 11 00-0329	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	2,623.49	170.23
33 42 11 00-0330	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	3,289.27	202.16
33 42 11 00-0331		**Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 42 11 00-0317)*		
33 42 11 00-0332	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	87.45	25.53
33 42 11 00-0333	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	105.15	29.79
33 42 11 00-0334	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	138.80	36.18
33 42 11 00-0335	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	200.99	44.69
33 42 11 00-0336	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	343.21	53.20
33 42 11 00-0337	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	376.22	69.52
33 42 11 00-0338	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	529.40	93.62
33 42 11 00-0339		**22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 42 11 00-0317)*		
33 42 11 00-0340	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	38.33	17.03
33 42 11 00-0341	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	46.94	19.86
33 42 11 00-0342	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	66.90	24.12
33 42 11 00-0343	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	84.03	29.79
33 42 11 00-0344	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	119.40	35.47
33 42 11 00-0345	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	185.19	45.40
33 42 11 00-0346	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	246.17	62.42
33 42 11 00-0347	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	451.80	70.93
33 42 11 00-0348	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	622.50	82.28
33 42 11 00-0349	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	729.04	95.05
33 42 11 00-0350	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	929.11	113.49
33 42 11 00-0351	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,250.00	134.76
33 42 11 00-0352		**45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 42 11 00-0317)*		
33 42 11 00-0353	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	41.09	17.03
33 42 11 00-0354	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	52.69	19.86
33 42 11 00-0355	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	69.84	24.12
33 42 11 00-0356	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	107.89	29.79
33 42 11 00-0357	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	119.40	35.47
33 42 11 00-0358	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	184.72	45.40
33 42 11 00-0359	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	284.65	62.42
33 42 11 00-0360	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	481.53	70.93
33 42 11 00-0361	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	623.92	82.28
33 42 11 00-0362	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	793.12	95.05
33 42 11 00-0363	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,176.41	113.49
33 42 11 00-0364	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,471.65	134.76
33 42 11 00-0365		**Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings** *(33 42 11 00-0274)*		
		Note: For single and double wall high-density polyethylene (HDPE) piping.		
33 42 11 00-0366		**Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0365)*		
33 42 11 00-0367	EA	4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.64	
33 42 11 00-0368	EA	6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.95	
33 42 11 00-0369	EA	8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	4.54	
33 42 11 00-0370	EA	10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	5.59	
33 42 11 00-0371	EA	12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	6.01	
33 42 11 00-0372	EA	15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	8.55	
33 42 11 00-0373	EA	18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	12.66	
33 42 11 00-0374	EA	24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	20.15	
33 42 11 00-0375	EA	30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	30.93	
33 42 11 00-0376	EA	36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	40.48	
33 42 11 00-0377	EA	42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	63.63	
33 42 11 00-0378	EA	48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	86.06	
33 42 11 00-0379		**Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0365)*		
33 42 11 00-0380	EA	4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	87.14	
33 42 11 00-0381	EA	6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	91.24	
33 42 11 00-0382	EA	8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	95.53	
33 42 11 00-0383	EA	10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	100.02	
33 42 11 00-0384	EA	12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	118.63	
33 42 11 00-0385	EA	15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	122.49	
33 42 11 00-0386	EA	18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	127.75	
33 42 11 00-0387	EA	24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	145.52	
33 42 11 00-0388	EA	30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	233.27	
33 42 11 00-0389	EA	36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	255.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0390	EA	42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	278.40	
33 42 11 00-0391	EA	48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	338.12	

33 42 11 00-0392 End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0365)*

33 42 11 00-0393	EA	6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	35.06	
33 42 11 00-0394	EA	8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	41.10	
33 42 11 00-0395	EA	10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	66.28	
33 42 11 00-0396	EA	12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	112.36	
33 42 11 00-0397	EA	15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	130.67	
33 42 11 00-0398	EA	18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	176.45	
33 42 11 00-0399	EA	24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	182.93	

33 42 11 00-0400 Corrugated Metal Piping *(33 42 11)*

33 42 11 00-0401 Galvanized Corrugated Steel Piping *(33 42 11 00-0400)*

33 42 11 00-0402 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0401)*

33 42 11 00-0403 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0402)*

33 42 11 00-0404	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	42.59	10.96
		For Bituminous Coated Pipe, Add	*4.79*	
		For Bituminous Coated And 25% Paved, Add	*9.81*	
		For Smooth-Flo, Add	*17.51*	
33 42 11 00-0405	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	48.53	11.49
		For Bituminous Coated Pipe, Add	*6.04*	
		For Bituminous Coated And 25% Paved, Add	*12.35*	
		For Smooth-Flo, Add	*22.05*	
33 42 11 00-0406	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	54.66	12.53
		For Bituminous Coated Pipe, Add	*7.31*	
		For Bituminous Coated And 25% Paved, Add	*14.95*	
		For Smooth-Flo, Add	*26.71*	
33 42 11 00-0407	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	62.52	13.57
		For Bituminous Coated Pipe, Add	*8.75*	
		For Bituminous Coated And 25% Paved, Add	*17.89*	
		For Smooth-Flo, Add	*31.95*	
33 42 11 00-0408	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	69.31	14.61
		For Bituminous Coated Pipe, Add	*9.84*	
		For Bituminous Coated And 25% Paved, Add	*20.13*	
		For Smooth-Flo, Add	*35.95*	
33 42 11 00-0409	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	91.31	18.80
		For Bituminous Coated Pipe, Add	*12.77*	
		For Bituminous Coated And 25% Paved, Add	*26.12*	
		For Smooth-Flo, Add	*46.64*	
33 42 11 00-0410	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	118.89	24.68
		For Bituminous Coated Pipe, Add	*16.11*	
		For Bituminous Coated And 25% Paved, Add	*32.94*	
		For Smooth-Flo, Add	*58.83*	
33 42 11 00-0411	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	135.84	29.16
		For Bituminous Coated Pipe, Add	*19.06*	
		For Bituminous Coated And 25% Paved, Add	*38.98*	
		For Smooth-Flo, Add	*69.62*	
33 42 11 00-0412	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	152.62	33.65
		For Bituminous Coated Pipe, Add	*21.34*	
		For Bituminous Coated And 25% Paved, Add	*43.66*	
		For Smooth-Flo, Add	*77.97*	

33 42 11 00-0413 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0402)*

33 42 11 00-0414	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	46.87	10.96
		For Bituminous Coated Pipe, Add	*4.87*	
		For Bituminous Coated And 25% Paved, Add	*11.27*	
		For Smooth-Flo, Add	*22.79*	
33 42 11 00-0415	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	53.80	11.49
		For Bituminous Coated Pipe, Add	*6.10*	
		For Bituminous Coated And 25% Paved, Add	*14.14*	
		For Smooth-Flo, Add	*28.58*	
33 42 11 00-0416	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	61.04	12.53
		For Bituminous Coated Pipe, Add	*7.39*	
		For Bituminous Coated And 25% Paved, Add	*17.12*	
		For Smooth-Flo, Add	*34.61*	
33 42 11 00-0417	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	69.88	13.57
		For Bituminous Coated Pipe, Add	*8.79*	
		For Bituminous Coated And 25% Paved, Add	*20.36*	
		For Smooth-Flo, Add	*41.15*	
33 42 11 00-0418	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	77.87	14.61
		For Bituminous Coated Pipe, Add	*9.94*	
		For Bituminous Coated And 25% Paved, Add	*23.04*	
		For Smooth-Flo, Add	*46.57*	
33 42 11 00-0419	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	101.77	18.80
		For Bituminous Coated Pipe, Add	*12.77*	
		For Bituminous Coated And 25% Paved, Add	*29.59*	
		For Smooth-Flo, Add	*59.81*	
33 42 11 00-0420	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	131.58	24.68
		For Bituminous Coated Pipe, Add	*16.01*	
		For Bituminous Coated And 25% Paved, Add	*37.08*	
		For Smooth-Flo, Add	*74.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0421	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	150.37	29.16
		For Bituminous Coated Pipe, Add	*18.84*	
		For Bituminous Coated And 25% Paved, Add	*43.66*	
		For Smooth-Flo, Add	*88.24*	
33 42 11 00-0422	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	169.25	33.65
		For Bituminous Coated Pipe, Add	*21.18*	
		For Bituminous Coated And 25% Paved, Add	*49.06*	
		For Smooth-Flo, Add	*99.17*	
33 42 11 00-0423	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	202.81	38.13
		For Bituminous Coated Pipe, Add	*26.04*	
		For Bituminous Coated And 25% Paved, Add	*60.33*	
		For Smooth-Flo, Add	*121.96*	
33 42 11 00-0424		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0402)*		
33 42 11 00-0425	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	74.23	12.53
		For Bituminous Coated Pipe, Add	*8.46*	
		For Bituminous Coated And 25% Paved, Add	*15.28*	
		For Smooth-Flo, Add	*29.37*	
33 42 11 00-0426	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	85.22	13.57
		For Bituminous Coated Pipe, Add	*10.00*	
		For Bituminous Coated And 25% Paved, Add	*18.06*	
		For Smooth-Flo, Add	*34.72*	
33 42 11 00-0427	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	95.34	13.57
		For Bituminous Coated Pipe, Add	*11.34*	
		For Bituminous Coated And 25% Paved, Add	*20.48*	
		For Smooth-Flo, Add	*39.35*	
33 42 11 00-0428	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	123.37	18.80
		For Bituminous Coated Pipe, Add	*14.42*	
		For Bituminous Coated And 25% Paved, Add	*26.04*	
		For Smooth-Flo, Add	*50.04*	
33 42 11 00-0429	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	157.22	24.68
		For Bituminous Coated Pipe, Add	*17.83*	
		For Bituminous Coated And 25% Paved, Add	*32.20*	
		For Smooth-Flo, Add	*61.88*	
33 42 11 00-0430	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	179.99	29.16
		For Bituminous Coated Pipe, Add	*20.89*	
		For Bituminous Coated And 25% Paved, Add	*37.73*	
		For Smooth-Flo, Add	*72.51*	
33 42 11 00-0431	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	203.20	33.65
		For Bituminous Coated Pipe, Add	*23.59*	
		For Bituminous Coated And 25% Paved, Add	*42.61*	
		For Smooth-Flo, Add	*81.88*	
33 42 11 00-0432	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	240.29	38.13
		For Bituminous Coated Pipe, Add	*28.29*	
		For Bituminous Coated And 25% Paved, Add	*51.08*	
		For Smooth-Flo, Add	*98.18*	
33 42 11 00-0433	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	262.75	40.37
		For Bituminous Coated Pipe, Add	*30.98*	
		For Bituminous Coated And 25% Paved, Add	*55.94*	
		For Smooth-Flo, Add	*107.52*	
33 42 11 00-0434	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	318.47	49.34
		For Bituminous Coated Pipe, Add	*37.71*	
		For Bituminous Coated And 25% Paved, Add	*68.11*	
		For Smooth-Flo, Add	*130.89*	
33 42 11 00-0435		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0402)*		
33 42 11 00-0436	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	181.21	24.68
		For Bituminous Coated Pipe, Add	*22.68*	
		For Bituminous Coated And 25% Paved, Add	*37.89*	
		For Smooth-Flo, Add	*54.06*	
33 42 11 00-0437	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	208.06	29.16
		For Bituminous Coated Pipe, Add	*26.57*	
		For Bituminous Coated And 25% Paved, Add	*44.39*	
		For Smooth-Flo, Add	*63.33*	
33 42 11 00-0438	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	235.05	33.65
		For Bituminous Coated Pipe, Add	*30.03*	
		For Bituminous Coated And 25% Paved, Add	*50.17*	
		For Smooth-Flo, Add	*71.58*	
33 42 11 00-0439	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	275.98	38.13
		For Bituminous Coated Pipe, Add	*35.57*	
		For Bituminous Coated And 25% Paved, Add	*59.41*	
		For Smooth-Flo, Add	*84.78*	
33 42 11 00-0440	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	302.47	40.37
		For Bituminous Coated Pipe, Add	*39.06*	
		For Bituminous Coated And 25% Paved, Add	*65.25*	
		For Smooth-Flo, Add	*93.11*	
33 42 11 00-0441	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	362.13	49.34
		For Bituminous Coated Pipe, Add	*46.73*	
		For Bituminous Coated And 25% Paved, Add	*78.06*	
		For Smooth-Flo, Add	*111.38*	
33 42 11 00-0442	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	427.81	71.78
		For Bituminous Coated Pipe, Add	*50.17*	
		For Bituminous Coated And 25% Paved, Add	*83.81*	
		For Smooth-Flo, Add	*119.59*	
33 42 11 00-0443		3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0401)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0444		**16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0443)*		
33 42 11 00-0445	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	140.89	24.68
		For Bituminous Coated Pipe, Add	*17.71*	
		For Bituminous Coated And 25% Paved, Add	*40.20*	
		For Smooth-Flo, Add	*80.05*	
33 42 11 00-0446	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	161.07	29.16
		For Bituminous Coated Pipe, Add	*20.80*	
		For Bituminous Coated And 25% Paved, Add	*47.21*	
		For Smooth-Flo, Add	*94.00*	
33 42 11 00-0447	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	181.05	33.65
		For Bituminous Coated Pipe, Add	*23.33*	
		For Bituminous Coated And 25% Paved, Add	*52.95*	
		For Smooth-Flo, Add	*105.43*	
33 42 11 00-0448	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	216.35	38.13
		For Bituminous Coated Pipe, Add	*28.49*	
		For Bituminous Coated And 25% Paved, Add	*64.68*	
		For Smooth-Flo, Add	*128.78*	
33 42 11 00-0449	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	235.72	40.37
		For Bituminous Coated Pipe, Add	*31.04*	
		For Bituminous Coated And 25% Paved, Add	*70.46*	
		For Smooth-Flo, Add	*140.30*	
33 42 11 00-0450	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	295.97	49.34
		For Bituminous Coated Pipe, Add	*39.87*	
		For Bituminous Coated And 25% Paved, Add	*90.50*	
		For Smooth-Flo, Add	*180.21*	
33 42 11 00-0451	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	355.23	71.78
		For Bituminous Coated Pipe, Add	*42.50*	
		For Bituminous Coated And 25% Paved, Add	*96.47*	
		For Smooth-Flo, Add	*192.09*	
33 42 11 00-0452	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	382.69	78.51
		For Bituminous Coated Pipe, Add	*45.14*	
		For Bituminous Coated And 25% Paved, Add	*102.46*	
		For Smooth-Flo, Add	*204.01*	
33 42 11 00-0453	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	407.11	84.11
		For Bituminous Coated Pipe, Add	*47.78*	
		For Bituminous Coated And 25% Paved, Add	*108.45*	
		For Smooth-Flo, Add	*215.95*	
33 42 11 00-0454	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	431.57	89.72
		For Bituminous Coated Pipe, Add	*50.42*	
		For Bituminous Coated And 25% Paved, Add	*114.46*	
		For Smooth-Flo, Add	*227.92*	
33 42 11 00-0455	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	456.74	95.33
		For Bituminous Coated Pipe, Add	*53.05*	
		For Bituminous Coated And 25% Paved, Add	*120.43*	
		For Smooth-Flo, Add	*239.80*	
33 42 11 00-0456	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	485.15	100.94
		For Bituminous Coated Pipe, Add	*55.71*	
		For Bituminous Coated And 25% Paved, Add	*126.46*	
		For Smooth-Flo, Add	*251.81*	
33 42 11 00-0457		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0443)*		
33 42 11 00-0458	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	238.80	38.13
		For Bituminous Coated Pipe, Add	*32.98*	
		For Bituminous Coated And 25% Paved, Add	*64.64*	
		For Smooth-Flo, Add	*130.61*	
33 42 11 00-0459	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	260.56	40.37
		For Bituminous Coated Pipe, Add	*36.01*	
		For Bituminous Coated And 25% Paved, Add	*70.58*	
		For Smooth-Flo, Add	*142.59*	
33 42 11 00-0460	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	323.30	49.34
		For Bituminous Coated Pipe, Add	*45.34*	
		For Bituminous Coated And 25% Paved, Add	*88.86*	
		For Smooth-Flo, Add	*179.53*	
33 42 11 00-0461	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	385.00	71.78
		For Bituminous Coated Pipe, Add	*48.45*	
		For Bituminous Coated And 25% Paved, Add	*94.97*	
		For Smooth-Flo, Add	*191.87*	
33 42 11 00-0462	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	414.85	78.51
		For Bituminous Coated Pipe, Add	*51.57*	
		For Bituminous Coated And 25% Paved, Add	*101.07*	
		For Smooth-Flo, Add	*204.21*	
33 42 11 00-0463	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	441.80	84.11
		For Bituminous Coated Pipe, Add	*54.71*	
		For Bituminous Coated And 25% Paved, Add	*107.24*	
		For Smooth-Flo, Add	*216.67*	
33 42 11 00-0464	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	468.60	89.72
		For Bituminous Coated Pipe, Add	*57.83*	
		For Bituminous Coated And 25% Paved, Add	*113.35*	
		For Smooth-Flo, Add	*229.01*	
33 42 11 00-0465	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	496.21	95.33
		For Bituminous Coated Pipe, Add	*60.95*	
		For Bituminous Coated And 25% Paved, Add	*119.45*	
		For Smooth-Flo, Add	*241.35*	
33 42 11 00-0466	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	527.01	100.94
		For Bituminous Coated Pipe, Add	*64.08*	
		For Bituminous Coated And 25% Paved, Add	*125.60*	
		For Smooth-Flo, Add	*253.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0467	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	560.40	112.15
		For Bituminous Coated Pipe, Add	*67.22*	
		For Bituminous Coated And 25% Paved, Add	*131.75*	
		For Smooth-Flo, Add	*266.18*	
33 42 11 00-0468	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	593.03	123.36
		For Bituminous Coated Pipe, Add	*70.29*	
		For Bituminous Coated And 25% Paved, Add	*137.78*	
		For Smooth-Flo, Add	*278.36*	

33 42 11 00-0469 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0443)*

33 42 11 00-0470	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	315.66	40.37
		For Bituminous Coated Pipe, Add	*47.03*	
		For Bituminous Coated And 25% Paved, Add	*89.59*	
		For Smooth-Flo, Add	*146.02*	
33 42 11 00-0471	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	384.33	49.34
		For Bituminous Coated Pipe, Add	*57.54*	
		For Bituminous Coated And 25% Paved, Add	*109.62*	
		For Smooth-Flo, Add	*178.67*	
33 42 11 00-0472	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	451.35	71.78
		For Bituminous Coated Pipe, Add	*61.72*	
		For Bituminous Coated And 25% Paved, Add	*117.58*	
		For Smooth-Flo, Add	*191.65*	
33 42 11 00-0473	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	486.58	78.51
		For Bituminous Coated Pipe, Add	*65.91*	
		For Bituminous Coated And 25% Paved, Add	*125.57*	
		For Smooth-Flo, Add	*204.66*	
33 42 11 00-0474	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	518.85	84.11
		For Bituminous Coated Pipe, Add	*70.12*	
		For Bituminous Coated And 25% Paved, Add	*133.59*	
		For Smooth-Flo, Add	*217.74*	
33 42 11 00-0475	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	551.03	89.72
		For Bituminous Coated Pipe, Add	*74.32*	
		For Bituminous Coated And 25% Paved, Add	*141.57*	
		For Smooth-Flo, Add	*230.75*	
33 42 11 00-0476	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	584.06	95.33
		For Bituminous Coated Pipe, Add	*78.52*	
		For Bituminous Coated And 25% Paved, Add	*149.57*	
		For Smooth-Flo, Add	*243.79*	
33 42 11 00-0477	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	620.24	100.94
		For Bituminous Coated Pipe, Add	*82.73*	
		For Bituminous Coated And 25% Paved, Add	*157.60*	
		For Smooth-Flo, Add	*256.87*	
33 42 11 00-0478	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	658.90	112.15
		For Bituminous Coated Pipe, Add	*86.92*	
		For Bituminous Coated And 25% Paved, Add	*165.58*	
		For Smooth-Flo, Add	*269.88*	
33 42 11 00-0479	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	696.96	123.36
		For Bituminous Coated Pipe, Add	*91.08*	
		For Bituminous Coated And 25% Paved, Add	*173.51*	
		For Smooth-Flo, Add	*282.80*	
33 42 11 00-0480	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	733.86	134.58
		For Bituminous Coated Pipe, Add	*95.29*	
		For Bituminous Coated And 25% Paved, Add	*181.53*	
		For Smooth-Flo, Add	*295.88*	

33 42 11 00-0481 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0443)*

33 42 11 00-0482	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	513.22	71.78
		For Bituminous Coated Pipe, Add	*74.10*	
		For Bituminous Coated And 25% Paved, Add	*140.78*	
		For Smooth-Flo, Add	*188.20*	
33 42 11 00-0483	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	553.53	78.51
		For Bituminous Coated Pipe, Add	*79.30*	
		For Bituminous Coated And 25% Paved, Add	*150.68*	
		For Smooth-Flo, Add	*201.43*	
33 42 11 00-0484	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	590.88	84.11
		For Bituminous Coated Pipe, Add	*84.53*	
		For Bituminous Coated And 25% Paved, Add	*160.61*	
		For Smooth-Flo, Add	*214.71*	
33 42 11 00-0485	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	628.13	89.72
		For Bituminous Coated Pipe, Add	*89.74*	
		For Bituminous Coated And 25% Paved, Add	*170.50*	
		For Smooth-Flo, Add	*227.93*	
33 42 11 00-0486	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	666.24	95.33
		For Bituminous Coated Pipe, Add	*94.95*	
		For Bituminous Coated And 25% Paved, Add	*180.41*	
		For Smooth-Flo, Add	*241.18*	
33 42 11 00-0487	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	707.50	100.94
		For Bituminous Coated Pipe, Add	*100.18*	
		For Bituminous Coated And 25% Paved, Add	*190.34*	
		For Smooth-Flo, Add	*254.46*	
33 42 11 00-0488	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	751.24	112.15
		For Bituminous Coated Pipe, Add	*105.39*	
		For Bituminous Coated And 25% Paved, Add	*200.23*	
		For Smooth-Flo, Add	*267.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0489	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	794.32	123.36
		For Bituminous Coated Pipe, Add	*110.55*	
		For Bituminous Coated And 25% Paved, Add	*210.05*	
		For Smooth-Flo, Add	*280.80*	
33 42 11 00-0490	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	836.34	134.58
		For Bituminous Coated Pipe, Add	*115.79*	
		For Bituminous Coated And 25% Paved, Add	*220.00*	
		For Smooth-Flo, Add	*294.10*	
33 42 11 00-0491	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	880.34	145.80
		For Bituminous Coated Pipe, Add	*120.98*	
		For Bituminous Coated And 25% Paved, Add	*229.85*	
		For Smooth-Flo, Add	*307.28*	
33 42 11 00-0492	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	927.26	157.01
		For Bituminous Coated Pipe, Add	*126.20*	
		For Bituminous Coated And 25% Paved, Add	*239.78*	
		For Smooth-Flo, Add	*320.55*	
33 42 11 00-0493	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	977.63	168.23
		For Bituminous Coated Pipe, Add	*131.44*	
		For Bituminous Coated And 25% Paved, Add	*249.73*	
		For Smooth-Flo, Add	*333.85*	

33 42 11 00-0494 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0401)*

33 42 11 00-0495 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0494)*

33 42 11 00-0496	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	181.69	33.65
		For Bituminous Coated Pipe, Add	*29.32*	
		For Bituminous Coated And 25% Paved, Add	*66.84*	
		For Smooth-Flo, Add	*106.13*	
33 42 11 00-0497	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	217.59	38.13
		For Bituminous Coated Pipe, Add	*35.93*	
		For Bituminous Coated And 25% Paved, Add	*81.91*	
		For Smooth-Flo, Add	*130.05*	
33 42 11 00-0498	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	236.82	40.37
		For Bituminous Coated Pipe, Add	*39.08*	
		For Bituminous Coated And 25% Paved, Add	*89.09*	
		For Smooth-Flo, Add	*141.45*	
33 42 11 00-0499	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	293.38	49.34
		For Bituminous Coated Pipe, Add	*49.19*	
		For Bituminous Coated And 25% Paved, Add	*112.15*	
		For Smooth-Flo, Add	*178.07*	
33 42 11 00-0500	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	352.35	71.78
		For Bituminous Coated Pipe, Add	*52.40*	
		For Bituminous Coated And 25% Paved, Add	*119.48*	
		For Smooth-Flo, Add	*189.70*	
33 42 11 00-0501	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	379.41	78.51
		For Bituminous Coated Pipe, Add	*55.60*	
		For Bituminous Coated And 25% Paved, Add	*126.77*	
		For Smooth-Flo, Add	*201.27*	
33 42 11 00-0502	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	403.37	84.11
		For Bituminous Coated Pipe, Add	*58.79*	
		For Bituminous Coated And 25% Paved, Add	*134.03*	
		For Smooth-Flo, Add	*212.80*	
33 42 11 00-0503	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	427.28	89.72
		For Bituminous Coated Pipe, Add	*61.96*	
		For Bituminous Coated And 25% Paved, Add	*141.26*	
		For Smooth-Flo, Add	*224.29*	
33 42 11 00-0504	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	452.21	95.33
		For Bituminous Coated Pipe, Add	*65.18*	
		For Bituminous Coated And 25% Paved, Add	*148.62*	
		For Smooth-Flo, Add	*235.96*	
33 42 11 00-0505	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	480.52	100.94
		For Bituminous Coated Pipe, Add	*68.48*	
		For Bituminous Coated And 25% Paved, Add	*156.13*	
		For Smooth-Flo, Add	*247.90*	

33 42 11 00-0506 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0494)*

33 42 11 00-0507	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	245.67	38.13
		For Bituminous Coated Pipe, Add	*34.36*	
		For Bituminous Coated And 25% Paved, Add	*80.74*	
		For Smooth-Flo, Add	*146.18*	
33 42 11 00-0508	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	268.03	40.37
		For Bituminous Coated Pipe, Add	*37.50*	
		For Bituminous Coated And 25% Paved, Add	*88.13*	
		For Smooth-Flo, Add	*159.57*	
33 42 11 00-0509	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	327.43	49.34
		For Bituminous Coated Pipe, Add	*46.16*	
		For Bituminous Coated And 25% Paved, Add	*108.48*	
		For Smooth-Flo, Add	*196.42*	
33 42 11 00-0510	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	389.13	71.78
		For Bituminous Coated Pipe, Add	*49.28*	
		For Bituminous Coated And 25% Paved, Add	*115.80*	
		For Smooth-Flo, Add	*209.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0511	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	419.53	78.51
		For Bituminous Coated Pipe, Add	*52.50*	
		For Bituminous Coated And 25% Paved, Add	*123.38*	
		For Smooth-Flo, Add	*223.40*	
33 42 11 00-0512	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	446.63	84.11
		For Bituminous Coated Pipe, Add	*55.68*	
		For Bituminous Coated And 25% Paved, Add	*130.85*	
		For Smooth-Flo, Add	*236.92*	
33 42 11 00-0513	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	472.08	89.72
		For Bituminous Coated Pipe, Add	*58.53*	
		For Bituminous Coated And 25% Paved, Add	*137.54*	
		For Smooth-Flo, Add	*249.03*	
33 42 11 00-0514	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	501.53	95.33
		For Bituminous Coated Pipe, Add	*62.01*	
		For Bituminous Coated And 25% Paved, Add	*145.72*	
		For Smooth-Flo, Add	*263.85*	
33 42 11 00-0515	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	532.48	100.94
		For Bituminous Coated Pipe, Add	*65.18*	
		For Bituminous Coated And 25% Paved, Add	*153.16*	
		For Smooth-Flo, Add	*277.32*	
33 42 11 00-0516	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	565.87	112.15
		For Bituminous Coated Pipe, Add	*68.31*	
		For Bituminous Coated And 25% Paved, Add	*160.53*	
		For Smooth-Flo, Add	*290.67*	
33 42 11 00-0517	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	599.20	123.36
		For Bituminous Coated Pipe, Add	*71.53*	
		For Bituminous Coated And 25% Paved, Add	*168.09*	
		For Smooth-Flo, Add	*304.35*	

33 42 11 00-0518 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0494)*

33 42 11 00-0519	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	326.46	40.37
		For Bituminous Coated Pipe, Add	*49.19*	
		For Bituminous Coated And 25% Paved, Add	*93.46*	
		For Smooth-Flo, Add	*168.71*	
33 42 11 00-0520	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	391.79	49.34
		For Bituminous Coated Pipe, Add	*59.03*	
		For Bituminous Coated And 25% Paved, Add	*112.16*	
		For Smooth-Flo, Add	*202.49*	
33 42 11 00-0521	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	459.61	71.78
		For Bituminous Coated Pipe, Add	*63.37*	
		For Bituminous Coated And 25% Paved, Add	*120.41*	
		For Smooth-Flo, Add	*217.37*	
33 42 11 00-0522	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	495.44	78.51
		For Bituminous Coated Pipe, Add	*67.69*	
		For Bituminous Coated And 25% Paved, Add	*128.60*	
		For Smooth-Flo, Add	*232.16*	
33 42 11 00-0523	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	528.01	84.11
		For Bituminous Coated Pipe, Add	*71.96*	
		For Bituminous Coated And 25% Paved, Add	*136.72*	
		For Smooth-Flo, Add	*246.81*	
33 42 11 00-0524	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	560.88	89.72
		For Bituminous Coated Pipe, Add	*76.29*	
		For Bituminous Coated And 25% Paved, Add	*144.94*	
		For Smooth-Flo, Add	*261.66*	
33 42 11 00-0525	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	594.42	95.33
		For Bituminous Coated Pipe, Add	*80.59*	
		For Bituminous Coated And 25% Paved, Add	*153.12*	
		For Smooth-Flo, Add	*276.42*	
33 42 11 00-0526	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	630.99	100.94
		For Bituminous Coated Pipe, Add	*84.88*	
		For Bituminous Coated And 25% Paved, Add	*161.27*	
		For Smooth-Flo, Add	*291.13*	
33 42 11 00-0527	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	670.35	112.15
		For Bituminous Coated Pipe, Add	*89.21*	
		For Bituminous Coated And 25% Paved, Add	*169.50*	
		For Smooth-Flo, Add	*305.98*	
33 42 11 00-0528	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	709.11	123.36
		For Bituminous Coated Pipe, Add	*93.51*	
		For Bituminous Coated And 25% Paved, Add	*177.67*	
		For Smooth-Flo, Add	*320.74*	
33 42 11 00-0529	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	746.45	134.58
		For Bituminous Coated Pipe, Add	*97.81*	
		For Bituminous Coated And 25% Paved, Add	*185.84*	
		For Smooth-Flo, Add	*335.49*	

33 42 11 00-0530 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0494)*

33 42 11 00-0531	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	527.11	71.78
		For Bituminous Coated Pipe, Add	*76.87*	
		For Bituminous Coated And 25% Paved, Add	*146.06*	
		For Smooth-Flo, Add	*229.47*	
33 42 11 00-0532	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	569.21	78.51
		For Bituminous Coated Pipe, Add	*82.44*	
		For Bituminous Coated And 25% Paved, Add	*156.64*	
		For Smooth-Flo, Add	*246.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0533	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	607.65	84.11
		For Bituminous Coated Pipe, Add	*87.88*	
		For Bituminous Coated And 25% Paved, Add	*166.98*	
		For Smooth-Flo, Add	*262.33*	
33 42 11 00-0534	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	645.85	89.72
		For Bituminous Coated Pipe, Add	*93.28*	
		For Bituminous Coated And 25% Paved, Add	*177.23*	
		For Smooth-Flo, Add	*278.44*	
33 42 11 00-0535	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	685.16	95.33
		For Bituminous Coated Pipe, Add	*98.74*	
		For Bituminous Coated And 25% Paved, Add	*187.60*	
		For Smooth-Flo, Add	*294.73*	
33 42 11 00-0536	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	727.31	100.94
		For Bituminous Coated Pipe, Add	*104.14*	
		For Bituminous Coated And 25% Paved, Add	*197.87*	
		For Smooth-Flo, Add	*310.86*	
33 42 11 00-0537	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	772.24	112.15
		For Bituminous Coated Pipe, Add	*109.59*	
		For Bituminous Coated And 25% Paved, Add	*208.21*	
		For Smooth-Flo, Add	*327.11*	
33 42 11 00-0538	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	816.67	123.36
		For Bituminous Coated Pipe, Add	*115.02*	
		For Bituminous Coated And 25% Paved, Add	*218.54*	
		For Smooth-Flo, Add	*343.34*	
33 42 11 00-0539	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	859.54	134.58
		For Bituminous Coated Pipe, Add	*120.43*	
		For Bituminous Coated And 25% Paved, Add	*228.81*	
		For Smooth-Flo, Add	*359.48*	
33 42 11 00-0540	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	913.29	145.80
		For Bituminous Coated Pipe, Add	*127.57*	
		For Bituminous Coated And 25% Paved, Add	*242.38*	
		For Smooth-Flo, Add	*380.78*	
33 42 11 00-0541	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	963.50	157.01
		For Bituminous Coated Pipe, Add	*133.45*	
		For Bituminous Coated And 25% Paved, Add	*253.56*	
		For Smooth-Flo, Add	*398.35*	
33 42 11 00-0542	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,018.25	168.23
		For Bituminous Coated Pipe, Add	*139.56*	
		For Bituminous Coated And 25% Paved, Add	*265.17*	
		For Smooth-Flo, Add	*416.59*	

33 42 11 00-0543 Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0401)*

33 42 11 00-0544 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0543)*

33 42 11 00-0545	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	63.23	12.53
		For Bituminous Coated Pipe, Add	*9.04*	
33 42 11 00-0546	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	72.57	13.57
		For Bituminous Coated Pipe, Add	*10.76*	
33 42 11 00-0547	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	81.10	14.61
		For Bituminous Coated Pipe, Add	*12.22*	
33 42 11 00-0548	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	106.15	18.80
		For Bituminous Coated Pipe, Add	*15.75*	
33 42 11 00-0549	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	137.06	24.68
		For Bituminous Coated Pipe, Add	*19.74*	
33 42 11 00-0550	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	156.99	29.16
		For Bituminous Coated Pipe, Add	*23.28*	
33 42 11 00-0551	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	176.86	33.65
		For Bituminous Coated Pipe, Add	*26.20*	
33 42 11 00-0552	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	211.62	38.13
		For Bituminous Coated Pipe, Add	*32.09*	
33 42 11 00-0553	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	230.89	40.37
		For Bituminous Coated Pipe, Add	*35.04*	

33 42 11 00-0554 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0543)*

33 42 11 00-0555	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	69.70	12.53
		For Bituminous Coated Pipe, Add	*10.45*	
33 42 11 00-0556	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	80.14	13.57
		For Bituminous Coated Pipe, Add	*12.42*	
33 42 11 00-0557	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	89.72	14.61
		For Bituminous Coated Pipe, Add	*14.11*	
33 42 11 00-0558	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	116.85	18.80
		For Bituminous Coated Pipe, Add	*18.09*	
33 42 11 00-0559	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	149.95	24.68
		For Bituminous Coated Pipe, Add	*22.55*	
33 42 11 00-0560	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	172.07	29.16
		For Bituminous Coated Pipe, Add	*26.56*	
33 42 11 00-0561	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	194.09	33.65
		For Bituminous Coated Pipe, Add	*29.95*	
33 42 11 00-0562	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	230.98	38.13
		For Bituminous Coated Pipe, Add	*36.29*	
33 42 11 00-0563	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	252.45	40.37
		For Bituminous Coated Pipe, Add	*39.72*	
33 42 11 00-0564	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	310.21	49.34
		For Bituminous Coated Pipe, Add	*49.34*	
33 42 11 00-0565	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	370.96	71.78
		For Bituminous Coated Pipe, Add	*52.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0566	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	400.12	78.51
		For Bituminous Coated Pipe, Add	*56.16*	
33 42 11 00-0567		**12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0543)*		
33 42 11 00-0568	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	138.55	18.80
		For Bituminous Coated Pipe, Add	*18.90*	
33 42 11 00-0569	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	175.88	24.68
		For Bituminous Coated Pipe, Add	*23.35*	
33 42 11 00-0570	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	202.44	29.16
		For Bituminous Coated Pipe, Add	*27.47*	
33 42 11 00-0571	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	228.73	33.65
		For Bituminous Coated Pipe, Add	*31.05*	
33 42 11 00-0572	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	270.01	38.13
		For Bituminous Coated Pipe, Add	*37.07*	
33 42 11 00-0573	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	295.85	40.37
		For Bituminous Coated Pipe, Add	*40.70*	
33 42 11 00-0574	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	357.84	49.34
		For Bituminous Coated Pipe, Add	*49.37*	
33 42 11 00-0575	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	422.88	71.78
		For Bituminous Coated Pipe, Add	*52.95*	
33 42 11 00-0576	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	456.31	78.51
		For Bituminous Coated Pipe, Add	*56.57*	
33 42 11 00-0577	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	486.60	84.11
		For Bituminous Coated Pipe, Add	*60.17*	
33 42 11 00-0578	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	516.83	89.72
		For Bituminous Coated Pipe, Add	*63.76*	
33 42 11 00-0579	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	547.88	95.33
		For Bituminous Coated Pipe, Add	*67.36*	
33 42 11 00-0580	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	579.92	100.94
		For Bituminous Coated Pipe, Add	*70.56*	
33 42 11 00-0581		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0401)*		
33 42 11 00-0582		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0581)*		
33 42 11 00-0583	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	21.95	6.27
		For Bituminous Coated Pipe, Add	*2.31*	
33 42 11 00-0584	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.88	6.27
		For Bituminous Coated Pipe, Add	*2.78*	
33 42 11 00-0585	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	27.66	7.83
		For Bituminous Coated Pipe, Add	*3.06*	
33 42 11 00-0586	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	30.11	7.83
		For Bituminous Coated Pipe, Add	*3.66*	
33 42 11 00-0587	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	34.94	9.40
		For Bituminous Coated Pipe, Add	*3.84*	
33 42 11 00-0588	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	38.05	9.40
		For Bituminous Coated Pipe, Add	*4.60*	
33 42 11 00-0589		**Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0581)*		
33 42 11 00-0590	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.22	6.27
		For Bituminous Coated Pipe, Add	*2.28*	
33 42 11 00-0591	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.09	6.27
		For Bituminous Coated Pipe, Add	*2.72*	
33 42 11 00-0592	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	27.93	7.83
		For Bituminous Coated Pipe, Add	*2.99*	
33 42 11 00-0593	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	30.53	7.83
		For Bituminous Coated Pipe, Add	*3.60*	
33 42 11 00-0594	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	35.41	9.40
		For Bituminous Coated Pipe, Add	*3.79*	
33 42 11 00-0595	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	38.59	9.40
		For Bituminous Coated Pipe, Add	*4.54*	
33 42 11 00-0596		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings** *(33 42 11 00-0581)*		
33 42 11 00-0597	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.26	
		For Bituminous Coated Pipe, Add	*3.21*	
33 42 11 00-0598	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	18.88	
		For Bituminous Coated Pipe, Add	*4.25*	
33 42 11 00-0599	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.15	
		For Bituminous Coated Pipe, Add	*5.21*	
33 42 11 00-0600	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	51.43	
		For Bituminous Coated Pipe, Add	*7.10*	
33 42 11 00-0601	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.47	
		For Bituminous Coated Pipe, Add	*1.62*	
33 42 11 00-0602	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.44	
		For Bituminous Coated Pipe, Add	*2.43*	
33 42 11 00-0603		**2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0401)*		
33 42 11 00-0604		**16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0603)*		
33 42 11 00-0605	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	70.89	10.96
33 42 11 00-0606	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	84.20	11.49
33 42 11 00-0607	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	97.92	12.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0608	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	114.21	13.57
33 42 11 00-0609	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	127.55	14.61
33 42 11 00-0610	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	166.76	18.80
33 42 11 00-0611	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	214.17	24.68
33 42 11 00-0612	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	248.54	29.16
33 42 11 00-0613	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	278.89	33.65
33 42 11 00-0614		**14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0603)*		
33 42 11 00-0615	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	81.31	10.96
33 42 11 00-0616	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	97.10	11.49
33 42 11 00-0617	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	113.37	12.53
33 42 11 00-0618	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	132.10	13.57
33 42 11 00-0619	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	148.34	14.61
33 42 11 00-0620	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	192.28	18.80
33 42 11 00-0621	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	244.97	24.68
33 42 11 00-0622	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	283.88	29.16
33 42 11 00-0623	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	319.23	33.65
33 42 11 00-0624	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	387.30	38.13
33 42 11 00-0625		**12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0603)*		
33 42 11 00-0626	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	145.58	12.53
33 42 11 00-0627	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	169.71	13.57
33 42 11 00-0628	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	191.10	14.61
33 42 11 00-0629	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	245.70	18.80
33 42 11 00-0630	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	295.98	24.68
33 42 11 00-0631	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	358.61	29.16
33 42 11 00-0632	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	404.51	33.65
33 42 11 00-0633	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	484.60	38.13
33 42 11 00-0634	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	529.58	40.37
33 42 11 00-0635	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	648.96	49.34
33 42 11 00-0636		**10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0603)*		
33 42 11 00-0637	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	367.63	24.68
33 42 11 00-0638	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	426.68	29.16
33 42 11 00-0639	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	481.83	33.65
33 42 11 00-0640	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	571.22	38.13
33 42 11 00-0641	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	626.01	40.37
33 42 11 00-0642	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	754.87	49.34
33 42 11 00-0643	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	848.47	71.78
33 42 11 00-0644		**3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0401)*		
33 42 11 00-0645		**16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0644)*		
33 42 11 00-0646	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	273.31	24.68
33 42 11 00-0647	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	316.72	29.16
33 42 11 00-0648	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	355.34	33.65
33 42 11 00-0649	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	430.78	38.13
33 42 11 00-0650	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	469.03	40.37
33 42 11 00-0651	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	598.27	49.34
33 42 11 00-0652	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	677.05	71.78
33 42 11 00-0653	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	723.96	78.51
33 42 11 00-0654	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	767.92	84.11
33 42 11 00-0655	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	811.94	89.72
33 42 11 00-0656	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	856.60	95.33
33 42 11 00-0657	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	904.65	100.94
33 42 11 00-0658		**14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0644)*		
33 42 11 00-0659	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	486.46	38.13
33 42 11 00-0660	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	530.59	40.37
33 42 11 00-0661	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	666.07	49.34
33 42 11 00-0662	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	750.79	71.78
33 42 11 00-0663	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	803.72	78.51
33 42 11 00-0664	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	853.94	84.11
33 42 11 00-0665	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	903.80	89.72
33 42 11 00-0666	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	954.44	95.33
33 42 11 00-0667	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,008.56	100.94
33 42 11 00-0668	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,065.11	112.15
33 42 11 00-0669	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,120.48	123.36
33 42 11 00-0670		**12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0644)*		
33 42 11 00-0671	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	670.63	40.37
33 42 11 00-0672	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	821.86	49.34
33 42 11 00-0673	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	920.08	71.78
33 42 11 00-0674	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	986.59	78.51
33 42 11 00-0675	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,050.31	84.11
33 42 11 00-0676	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,113.77	89.72
33 42 11 00-0677	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,178.10	95.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0678	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,245.70	100.94
33 42 11 00-0679	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,315.64	112.15
33 42 11 00-0680	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,384.79	123.36
33 42 11 00-0681	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,453.14	134.58
33 42 11 00-0682		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0644)*		
33 42 11 00-0683	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,074.35	71.78
33 42 11 00-0684	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,153.42	78.51
33 42 11 00-0685	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,229.82	84.11
33 42 11 00-0686	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,305.88	89.72
33 42 11 00-0687	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,382.92	95.33
33 42 11 00-0688	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,463.17	100.94
33 42 11 00-0689	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,545.80	112.15
33 42 11 00-0690	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,627.53	123.36
33 42 11 00-0691	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,708.53	134.58
33 42 11 00-0692	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,791.28	145.80
33 42 11 00-0693	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,877.21	157.01
33 42 11 00-0694	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,966.60	168.23
33 42 11 00-0695		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0401)*		
33 42 11 00-0696		16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0695)*		
33 42 11 00-0697	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	343.33	33.65
33 42 11 00-0698	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	417.56	38.13
33 42 11 00-0699	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	453.89	40.37
33 42 11 00-0700	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	570.14	49.34
33 42 11 00-0701	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	646.61	71.78
33 42 11 00-0702	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	691.12	78.51
33 42 11 00-0703	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	732.38	84.11
33 42 11 00-0704	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	773.52	89.72
33 42 11 00-0705	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	815.92	95.33
33 42 11 00-0706	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	862.29	100.94
33 42 11 00-0707		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0695)*		
33 42 11 00-0708	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	483.71	38.13
33 42 11 00-0709	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	527.56	40.37
33 42 11 00-0710	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	650.48	49.34
33 42 11 00-0711	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	733.43	71.78
33 42 11 00-0712	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	785.78	78.51
33 42 11 00-0713	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	834.40	84.11
33 42 11 00-0714	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	879.25	89.72
33 42 11 00-0715	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	932.38	95.33
33 42 11 00-0716	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	984.90	100.94
33 42 11 00-0717	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,039.57	112.15
33 42 11 00-0718	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,094.77	123.36
33 42 11 00-0719		12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0695)*		
33 42 11 00-0720	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	675.22	40.37
33 42 11 00-0721	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	813.84	49.34
33 42 11 00-0722	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	912.22	71.78
33 42 11 00-0723	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	978.14	78.51
33 42 11 00-0724	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,040.61	84.11
33 42 11 00-0725	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,103.89	89.72
33 42 11 00-0726	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,167.57	95.33
33 42 11 00-0727	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,234.14	100.94
33 42 11 00-0728	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,303.88	112.15
33 42 11 00-0729	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,372.79	123.36
33 42 11 00-0730	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,440.23	134.58
33 42 11 00-0731		10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0695)*		
33 42 11 00-0732	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,074.28	71.78
33 42 11 00-0733	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,155.28	78.51
33 42 11 00-0734	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,231.95	84.11
33 42 11 00-0735	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,307.97	89.72
33 42 11 00-0736	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,385.38	95.33
33 42 11 00-0737	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,465.50	100.94
33 42 11 00-0738	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,548.51	112.15
33 42 11 00-0739	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,631.00	123.36
33 42 11 00-0740	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,711.82	134.58
33 42 11 00-0741	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,815.54	145.80
33 42 11 00-0742	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,907.02	157.01
33 42 11 00-0743	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,004.57	168.23
33 42 11 00-0744		Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0400)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 11 00-0745 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0744)*

33 42 11 00-0746 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0745)*

33 42 11 00-0747	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	49.97	11.49
		For Bituminous Coated Pipe, Add	*6.57*	
		For Bituminous Coated And 25% Paved, Add	*15.88*	
		For Smooth-Flo, Add	*26.20*	
33 42 11 00-0748	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.96	12.53
		For Bituminous Coated Pipe, Add	*7.85*	
		For Bituminous Coated And 25% Paved, Add	*18.97*	
		For Smooth-Flo, Add	*31.29*	
33 42 11 00-0749	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	64.31	13.57
		For Bituminous Coated Pipe, Add	*9.44*	
		For Bituminous Coated And 25% Paved, Add	*22.83*	
		For Smooth-Flo, Add	*37.66*	
33 42 11 00-0750	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	72.34	14.61
		For Bituminous Coated Pipe, Add	*10.88*	
		For Bituminous Coated And 25% Paved, Add	*26.31*	
		For Smooth-Flo, Add	*43.39*	
33 42 11 00-0751	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	94.05	18.80
		For Bituminous Coated Pipe, Add	*13.82*	
		For Bituminous Coated And 25% Paved, Add	*33.41*	
		For Smooth-Flo, Add	*55.11*	
33 42 11 00-0752	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	123.92	24.68
		For Bituminous Coated Pipe, Add	*17.82*	
		For Bituminous Coated And 25% Paved, Add	*43.09*	
		For Smooth-Flo, Add	*71.08*	

33 42 11 00-0753 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0745)*

33 42 11 00-0754	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.30	11.49
		For Bituminous Coated Pipe, Add	*6.82*	
		For Bituminous Coated And 25% Paved, Add	*15.95*	
		For Smooth-Flo, Add	*26.16*	
33 42 11 00-0755	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	62.48	12.53
		For Bituminous Coated Pipe, Add	*8.18*	
		For Bituminous Coated And 25% Paved, Add	*19.13*	
		For Smooth-Flo, Add	*31.37*	
33 42 11 00-0756	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	71.58	13.57
		For Bituminous Coated Pipe, Add	*9.72*	
		For Bituminous Coated And 25% Paved, Add	*22.74*	
		For Smooth-Flo, Add	*37.29*	
33 42 11 00-0757	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	80.76	14.61
		For Bituminous Coated Pipe, Add	*11.21*	
		For Bituminous Coated And 25% Paved, Add	*26.22*	
		For Smooth-Flo, Add	*43.00*	
33 42 11 00-0758	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	104.55	18.80
		For Bituminous Coated Pipe, Add	*14.19*	
		For Bituminous Coated And 25% Paved, Add	*33.20*	
		For Smooth-Flo, Add	*54.45*	
33 42 11 00-0759	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	136.41	24.68
		For Bituminous Coated Pipe, Add	*18.08*	
		For Bituminous Coated And 25% Paved, Add	*42.29*	
		For Smooth-Flo, Add	*69.36*	
33 42 11 00-0760	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	157.24	29.16
		For Bituminous Coated Pipe, Add	*21.53*	
		For Bituminous Coated And 25% Paved, Add	*50.38*	
		For Smooth-Flo, Add	*82.62*	

33 42 11 00-0761 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0745)*

33 42 11 00-0762	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	81.75	13.46
		For Bituminous Coated Pipe, Add	*8.84*	
		For Bituminous Coated And 25% Paved, Add	*19.68*	
		For Smooth-Flo, Add	*30.26*	
33 42 11 00-0763	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	93.68	14.58
		For Bituminous Coated Pipe, Add	*10.49*	
		For Bituminous Coated And 25% Paved, Add	*23.34*	
		For Smooth-Flo, Add	*35.89*	
33 42 11 00-0764	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	105.43	15.70
		For Bituminous Coated Pipe, Add	*12.03*	
		For Bituminous Coated And 25% Paved, Add	*26.77*	
		For Smooth-Flo, Add	*41.17*	
33 42 11 00-0765	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	135.88	20.19
		For Bituminous Coated Pipe, Add	*15.15*	
		For Bituminous Coated And 25% Paved, Add	*33.71*	
		For Smooth-Flo, Add	*51.84*	
33 42 11 00-0766	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	161.90	24.68
		For Bituminous Coated Pipe, Add	*18.95*	
		For Bituminous Coated And 25% Paved, Add	*42.18*	
		For Smooth-Flo, Add	*64.86*	
33 42 11 00-0767	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	186.66	29.16
		For Bituminous Coated Pipe, Add	*22.42*	
		For Bituminous Coated And 25% Paved, Add	*49.88*	
		For Smooth-Flo, Add	*76.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0768	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	218.08	33.65
		For Bituminous Coated Pipe, Add	*26.58*	
		For Bituminous Coated And 25% Paved, Add	*59.16*	
		For Smooth-Flo, Add	*90.97*	
33 42 11 00-0769	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	243.58	38.13
		For Bituminous Coated Pipe, Add	*29.36*	
		For Bituminous Coated And 25% Paved, Add	*65.33*	
		For Smooth-Flo, Add	*100.46*	
33 42 11 00-0770		**10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0745)*		
33 42 11 00-0771	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	185.89	24.68
		For Bituminous Coated Pipe, Add	*22.84*	
		For Bituminous Coated And 25% Paved, Add	*48.08*	
		For Smooth-Flo, Add	*60.63*	
33 42 11 00-0772	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	214.63	29.16
		For Bituminous Coated Pipe, Add	*26.94*	
		For Bituminous Coated And 25% Paved, Add	*56.71*	
		For Smooth-Flo, Add	*71.52*	
33 42 11 00-0773	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	249.79	33.65
		For Bituminous Coated Pipe, Add	*31.70*	
		For Bituminous Coated And 25% Paved, Add	*66.73*	
		For Smooth-Flo, Add	*84.16*	
33 42 11 00-0774	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	279.42	38.13
		For Bituminous Coated Pipe, Add	*35.15*	
		For Bituminous Coated And 25% Paved, Add	*73.99*	
		For Smooth-Flo, Add	*93.31*	
33 42 11 00-0775	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	306.15	40.37
		For Bituminous Coated Pipe, Add	*38.58*	
		For Bituminous Coated And 25% Paved, Add	*81.23*	
		For Smooth-Flo, Add	*102.44*	
33 42 11 00-0776		**3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0744)*		
33 42 11 00-0777		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0776)*		
33 42 11 00-0778	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	243.23	38.13
		For Bituminous Coated Pipe, Add	*33.87*	
		For Bituminous Coated And 25% Paved, Add	*102.96*	
		For Smooth-Flo, Add	*115.15*	
33 42 11 00-0779	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	265.84	40.37
		For Bituminous Coated Pipe, Add	*37.06*	
		For Bituminous Coated And 25% Paved, Add	*112.67*	
		For Smooth-Flo, Add	*126.02*	
33 42 11 00-0780	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	329.37	49.34
		For Bituminous Coated Pipe, Add	*46.55*	
		For Bituminous Coated And 25% Paved, Add	*141.51*	
		For Smooth-Flo, Add	*158.27*	
33 42 11 00-0781	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	392.27	71.78
		For Bituminous Coated Pipe, Add	*49.91*	
		For Bituminous Coated And 25% Paved, Add	*151.71*	
		For Smooth-Flo, Add	*169.68*	
33 42 11 00-0782	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	424.16	78.51
		For Bituminous Coated Pipe, Add	*53.43*	
		For Bituminous Coated And 25% Paved, Add	*162.43*	
		For Smooth-Flo, Add	*181.66*	
33 42 11 00-0783	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	453.10	84.11
		For Bituminous Coated Pipe, Add	*56.97*	
		For Bituminous Coated And 25% Paved, Add	*173.20*	
		For Smooth-Flo, Add	*193.71*	
33 42 11 00-0784	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	481.94	89.72
		For Bituminous Coated Pipe, Add	*60.50*	
		For Bituminous Coated And 25% Paved, Add	*183.91*	
		For Smooth-Flo, Add	*205.69*	
33 42 11 00-0785	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	511.54	95.33
		For Bituminous Coated Pipe, Add	*64.01*	
		For Bituminous Coated And 25% Paved, Add	*194.60*	
		For Smooth-Flo, Add	*217.64*	
33 42 11 00-0786		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0776)*		
33 42 11 00-0787	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	320.99	40.37
		For Bituminous Coated Pipe, Add	*48.09*	
		For Bituminous Coated And 25% Paved, Add	*126.01*	
		For Smooth-Flo, Add	*149.09*	
33 42 11 00-0788	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	390.55	49.34
		For Bituminous Coated Pipe, Add	*58.79*	
		For Bituminous Coated And 25% Paved, Add	*154.02*	
		For Smooth-Flo, Add	*182.24*	
33 42 11 00-0789	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	458.87	71.78
		For Bituminous Coated Pipe, Add	*63.23*	
		For Bituminous Coated And 25% Paved, Add	*165.65*	
		For Smooth-Flo, Add	*196.00*	
33 42 11 00-0790	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	496.13	78.51
		For Bituminous Coated Pipe, Add	*67.82*	
		For Bituminous Coated And 25% Paved, Add	*177.70*	
		For Smooth-Flo, Add	*210.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0791	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	530.45	84.11
		For Bituminous Coated Pipe, Add	*72.44*	
		For Bituminous Coated And 25% Paved, Add	*189.80*	
		For Smooth-Flo, Add	*224.58*	
33 42 11 00-0792	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	564.72	89.72
		For Bituminous Coated Pipe, Add	*77.05*	
		For Bituminous Coated And 25% Paved, Add	*201.88*	
		For Smooth-Flo, Add	*238.87*	
33 42 11 00-0793	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	599.69	95.33
		For Bituminous Coated Pipe, Add	*81.64*	
		For Bituminous Coated And 25% Paved, Add	*213.90*	
		For Smooth-Flo, Add	*253.09*	
33 42 11 00-0794	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	638.01	100.94
		For Bituminous Coated Pipe, Add	*86.28*	
		For Bituminous Coated And 25% Paved, Add	*226.06*	
		For Smooth-Flo, Add	*267.47*	
33 42 11 00-0795	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	678.76	112.15
		For Bituminous Coated Pipe, Add	*90.89*	
		For Bituminous Coated And 25% Paved, Add	*238.13*	
		For Smooth-Flo, Add	*281.76*	
33 42 11 00-0796	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	721.35	123.36
		For Bituminous Coated Pipe, Add	*95.96*	
		For Bituminous Coated And 25% Paved, Add	*251.41*	
		For Smooth-Flo, Add	*297.47*	

33 42 11 00-0797 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0776)*

33 42 11 00-0798	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	520.74	71.78
		For Bituminous Coated Pipe, Add	*75.60*	
		For Bituminous Coated And 25% Paved, Add	*179.93*	
		For Smooth-Flo, Add	*195.43*	
33 42 11 00-0799	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	563.13	78.51
		For Bituminous Coated Pipe, Add	*81.22*	
		For Bituminous Coated And 25% Paved, Add	*193.31*	
		For Smooth-Flo, Add	*209.96*	
33 42 11 00-0800	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	602.53	84.11
		For Bituminous Coated Pipe, Add	*86.86*	
		For Bituminous Coated And 25% Paved, Add	*206.73*	
		For Smooth-Flo, Add	*224.53*	
33 42 11 00-0801	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	641.77	89.72
		For Bituminous Coated Pipe, Add	*92.46*	
		For Bituminous Coated And 25% Paved, Add	*220.06*	
		For Smooth-Flo, Add	*239.02*	
33 42 11 00-0802	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	681.87	95.33
		For Bituminous Coated Pipe, Add	*98.08*	
		For Bituminous Coated And 25% Paved, Add	*233.43*	
		For Smooth-Flo, Add	*253.53*	
33 42 11 00-0803	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	725.22	100.94
		For Bituminous Coated Pipe, Add	*103.72*	
		For Bituminous Coated And 25% Paved, Add	*246.86*	
		For Smooth-Flo, Add	*268.13*	
33 42 11 00-0804	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	771.05	112.15
		For Bituminous Coated Pipe, Add	*109.35*	
		For Bituminous Coated And 25% Paved, Add	*260.25*	
		For Smooth-Flo, Add	*282.66*	
33 42 11 00-0805	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	818.31	123.36
		For Bituminous Coated Pipe, Add	*115.35*	
		For Bituminous Coated And 25% Paved, Add	*274.53*	
		For Smooth-Flo, Add	*298.18*	
33 42 11 00-0806	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	870.19	134.58
		For Bituminous Coated Pipe, Add	*122.56*	
		For Bituminous Coated And 25% Paved, Add	*291.69*	
		For Smooth-Flo, Add	*316.81*	

33 42 11 00-0807 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0744)*

33 42 11 00-0808 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0807)*

33 42 11 00-0809	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	464.94	71.78
		For Bituminous Coated Pipe, Add	*64.44*	
		For Bituminous Coated And 25% Paved, Add	*157.23*	
		For Smooth-Flo, Add	*200.09*	
33 42 11 00-0810	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	501.61	78.51
		For Bituminous Coated Pipe, Add	*68.92*	
		For Bituminous Coated And 25% Paved, Add	*168.16*	
		For Smooth-Flo, Add	*214.00*	
33 42 11 00-0811	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	534.98	84.11
		For Bituminous Coated Pipe, Add	*73.35*	
		For Bituminous Coated And 25% Paved, Add	*178.97*	
		For Smooth-Flo, Add	*227.75*	
33 42 11 00-0812	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	568.35	89.72
		For Bituminous Coated Pipe, Add	*77.78*	
		For Bituminous Coated And 25% Paved, Add	*189.78*	
		For Smooth-Flo, Add	*241.51*	
33 42 11 00-0813	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	602.68	95.33
		For Bituminous Coated Pipe, Add	*82.24*	
		For Bituminous Coated And 25% Paved, Add	*200.67*	
		For Smooth-Flo, Add	*255.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0814	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	640.50	100.94
		For Bituminous Coated Pipe, Add	*86.78*	
		For Bituminous Coated And 25% Paved, Add	*211.74*	
		For Smooth-Flo, Add	*269.45*	
33 42 11 00-0815	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	680.76	112.15
		For Bituminous Coated Pipe, Add	*91.29*	
		For Bituminous Coated And 25% Paved, Add	*222.75*	
		For Smooth-Flo, Add	*283.46*	
33 42 11 00-0816	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	726.28	123.36
		For Bituminous Coated Pipe, Add	*96.94*	
		For Bituminous Coated And 25% Paved, Add	*236.54*	
		For Smooth-Flo, Add	*301.01*	

33 42 11 00-0817 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0807)*

33 42 11 00-0818	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	533.43	71.78
		For Bituminous Coated Pipe, Add	*78.14*	
		For Bituminous Coated And 25% Paved, Add	*176.59*	
		For Smooth-Flo, Add	*191.83*	
33 42 11 00-0819	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	575.58	78.51
		For Bituminous Coated Pipe, Add	*83.71*	
		For Bituminous Coated And 25% Paved, Add	*189.19*	
		For Smooth-Flo, Add	*205.52*	
33 42 11 00-0820	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	614.52	84.11
		For Bituminous Coated Pipe, Add	*89.26*	
		For Bituminous Coated And 25% Paved, Add	*201.72*	
		For Smooth-Flo, Add	*219.13*	
33 42 11 00-0821	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	653.62	89.72
		For Bituminous Coated Pipe, Add	*94.83*	
		For Bituminous Coated And 25% Paved, Add	*214.32*	
		For Smooth-Flo, Add	*232.82*	
33 42 11 00-0822	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	692.58	95.33
		For Bituminous Coated Pipe, Add	*100.22*	
		For Bituminous Coated And 25% Paved, Add	*226.50*	
		For Smooth-Flo, Add	*246.04*	
33 42 11 00-0823	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	736.71	100.94
		For Bituminous Coated Pipe, Add	*106.02*	
		For Bituminous Coated And 25% Paved, Add	*239.61*	
		For Smooth-Flo, Add	*260.28*	
33 42 11 00-0824	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	782.65	112.15
		For Bituminous Coated Pipe, Add	*111.67*	
		For Bituminous Coated And 25% Paved, Add	*252.37*	
		For Smooth-Flo, Add	*274.14*	
33 42 11 00-0825	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	833.79	123.36
		For Bituminous Coated Pipe, Add	*118.45*	
		For Bituminous Coated And 25% Paved, Add	*267.69*	
		For Smooth-Flo, Add	*290.78*	
33 42 11 00-0826	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	881.64	134.58
		For Bituminous Coated Pipe, Add	*124.85*	
		For Bituminous Coated And 25% Paved, Add	*282.16*	
		For Smooth-Flo, Add	*306.50*	

33 42 11 00-0827 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0744)*

33 42 11 00-0828 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0827)*

33 42 11 00-0829	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	84.29	11.49
33 42 11 00-0830	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.98	12.53
33 42 11 00-0831	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	113.80	13.57
33 42 11 00-0832	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	129.46	14.61
33 42 11 00-0833	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	166.81	18.80
33 42 11 00-0834	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	218.43	24.68

33 42 11 00-0835 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0827)*

33 42 11 00-0836	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.54	11.49
33 42 11 00-0837	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	111.94	12.53
33 42 11 00-0838	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	130.51	13.57
33 42 11 00-0839	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	148.88	14.61
33 42 11 00-0840	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	190.95	18.80
33 42 11 00-0841	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	247.15	24.68
33 42 11 00-0842	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	289.44	29.16

33 42 11 00-0843 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0827)*

33 42 11 00-0844	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	148.63	12.53
33 42 11 00-0845	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	173.97	13.57
33 42 11 00-0846	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	198.09	14.61
33 42 11 00-0847	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	252.37	18.80
33 42 11 00-0848	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	321.33	24.68
33 42 11 00-0849	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	375.83	29.16
33 42 11 00-0850	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	443.95	33.65
33 42 11 00-0851	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	492.33	38.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0852		**10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0827)*		
33 42 11 00-0853	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	379.53	24.68
33 42 11 00-0854	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	443.72	29.16
33 42 11 00-0855	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	520.92	33.65
33 42 11 00-0856	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	579.35	38.13
33 42 11 00-0857	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	634.77	40.37
33 42 11 00-0858		**3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0744)*		
33 42 11 00-0859		**14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0858)*		
33 42 11 00-0860	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	497.39	38.13
33 42 11 00-0861	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	543.44	40.37
33 42 11 00-0862	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	680.99	49.34
33 42 11 00-0863	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	768.71	71.78
33 42 11 00-0864	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	826.72	78.51
33 42 11 00-0865	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	881.87	84.11
33 42 11 00-0866	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	936.77	89.72
33 42 11 00-0867	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	992.59	95.33
33 42 11 00-0868		**12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0858)*		
33 42 11 00-0869	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	683.75	40.37
33 42 11 00-0870	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	837.18	49.34
33 42 11 00-0871	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	938.70	71.78
33 42 11 00-0872	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,010.26	78.51
33 42 11 00-0873	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,079.03	84.11
33 42 11 00-0874	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,147.70	89.72
33 42 11 00-0875	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,217.00	95.33
33 42 11 00-0876	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,289.87	100.94
33 42 11 00-0877	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,365.03	112.15
33 42 11 00-0878	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,445.47	123.36
33 42 11 00-0879		**10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0858)*		
33 42 11 00-0880	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,092.91	71.78
33 42 11 00-0881	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,177.23	78.51
33 42 11 00-0882	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,258.74	84.11
33 42 11 00-0883	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,339.80	89.72
33 42 11 00-0884	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,421.80	95.33
33 42 11 00-0885	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,507.28	100.94
33 42 11 00-0886	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,595.14	112.15
33 42 11 00-0887	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,687.16	123.36
33 42 11 00-0888	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,792.80	134.58
33 42 11 00-0889		**125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0744)*		
33 42 11 00-0890		**12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0889)*		
33 42 11 00-0891	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	924.83	71.78
33 42 11 00-0892	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	992.93	78.51
33 42 11 00-0893	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,057.37	84.11
33 42 11 00-0894	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,121.72	89.72
33 42 11 00-0895	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,187.28	95.33
33 42 11 00-0896	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,256.92	100.94
33 42 11 00-0897	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,328.75	112.15
33 42 11 00-0898	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,413.87	123.36
33 42 11 00-0899		**10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0889)*		
33 42 11 00-0900	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,089.31	71.78
33 42 11 00-0901	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,170.46	78.51
33 42 11 00-0902	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,248.25	84.11
33 42 11 00-0903	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,326.40	89.72
33 42 11 00-0904	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,403.19	95.33
33 42 11 00-0905	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,487.90	100.94
33 42 11 00-0906	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,573.41	112.15
33 42 11 00-0907	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,672.22	123.36
33 42 11 00-0908	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,764.66	134.58
33 42 11 00-0909		**Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0400)*		
33 42 11 00-0910		**2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0909)*		
33 42 11 00-0911		**16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0910)*		
33 42 11 00-0912	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	46.97	10.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0913	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	54.05	11.49
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.31*	
33 42 11 00-0914	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	61.38	12.53
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.92*	
33 42 11 00-0915	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	70.53	13.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.84*	
33 42 11 00-0916	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.37	14.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.09*	
33 42 11 00-0917	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	103.06	18.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*26.06*	
33 42 11 00-0918	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.72	24.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*32.88*	
33 42 11 00-0919	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	153.36	29.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.89*	
33 42 11 00-0920	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	172.28	33.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*43.58*	

33 42 11 00-0921 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0910)*

33 42 11 00-0922	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	52.25	10.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.28*	
33 42 11 00-0923	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.57	11.49
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.65*	
33 42 11 00-0924	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	69.15	12.53
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.08*	
33 42 11 00-0925	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	79.54	13.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.75*	
33 42 11 00-0926	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	88.82	14.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.96*	
33 42 11 00-0927	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.85	18.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*24.35*	
33 42 11 00-0928	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.20	24.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*30.51*	
33 42 11 00-0929	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	171.18	29.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*35.94*	
33 42 11 00-0930	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	192.59	33.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*40.37*	
33 42 11 00-0931	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	231.48	38.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.64*	

33 42 11 00-0932 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0910)*

33 42 11 00-0933	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	85.48	12.53
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.12*	
33 42 11 00-0934	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	98.60	13.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.53*	
33 42 11 00-0935	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	110.47	14.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.59*	
33 42 11 00-0936	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	142.88	18.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*22.43*	
33 42 11 00-0937	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	181.81	24.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.84*	
33 42 11 00-0938	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	208.96	29.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*32.65*	
33 42 11 00-0939	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	235.70	33.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*36.83*	
33 42 11 00-0940	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	280.71	38.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.47*	
33 42 11 00-0941	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	306.65	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.62*	
33 42 11 00-0942	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	374.72	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.79*	

33 42 11 00-0943 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0910)*

33 42 11 00-0944	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	211.13	24.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*30.49*	
33 42 11 00-0945	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.25	29.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*35.74*	
33 42 11 00-0946	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	274.62	33.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*40.36*	
33 42 11 00-0947	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	324.36	38.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.09*	
33 42 11 00-0948	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	355.23	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.74*	
33 42 11 00-0949	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	428.08	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*63.64*	
33 42 11 00-0950	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	498.09	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.23*	

33 42 11 00-0951 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0909)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0952		**16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0951)*		
33 42 11 00-0953	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	156.77	24.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*36.55*	
33 42 11 00-0954	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	179.74	29.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.93*	
33 42 11 00-0955	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	201.95	33.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.14*	
33 42 11 00-0956	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	241.88	38.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.80*	
33 42 11 00-0957	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	263.55	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	*64.06*	
33 42 11 00-0958	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	331.71	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.28*	
33 42 11 00-0959	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	393.31	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.70*	
33 42 11 00-0960	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	423.11	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*93.14*	
33 42 11 00-0961	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	449.91	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.59*	
33 42 11 00-0962	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	476.71	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.04*	
33 42 11 00-0963	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	504.27	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*109.48*	
33 42 11 00-0964	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	535.07	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*114.96*	
33 42 11 00-0965		**14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0951)*		
33 42 11 00-0966	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	268.36	38.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.95*	
33 42 11 00-0967	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	292.81	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	*55.62*	
33 42 11 00-0968	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	363.92	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*70.03*	
33 42 11 00-0969	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	428.40	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*74.84*	
33 42 11 00-0970	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	461.04	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.66*	
33 42 11 00-0971	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	490.83	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*84.52*	
33 42 11 00-0972	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	520.42	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*89.33*	
33 42 11 00-0973	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	550.81	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*94.14*	
33 42 11 00-0974	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	584.45	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*99.00*	
33 42 11 00-0975	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	620.63	112.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.84*	
33 42 11 00-0976	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	656.04	123.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*108.59*	
33 42 11 00-0977		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0951)*		
33 42 11 00-0978	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	357.87	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	*74.61*	
33 42 11 00-0979	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	435.94	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*91.28*	
33 42 11 00-0980	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	506.70	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.91*	
33 42 11 00-0981	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	545.71	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.56*	
33 42 11 00-0982	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	581.77	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.24*	
33 42 11 00-0983	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	617.73	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.90*	
33 42 11 00-0984	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	654.45	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.54*	
33 42 11 00-0985	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	694.40	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*131.22*	
33 42 11 00-0986	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	736.85	112.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.87*	
33 42 11 00-0987	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	778.64	123.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.47*	
33 42 11 00-0988	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	819.32	134.58
		For 1/2 Bituminous Coated And 25% Paved, Add	*151.16*	
33 42 11 00-0989		**10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0951)*		
33 42 11 00-0990	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	579.72	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*120.17*	
33 42 11 00-0991	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	624.61	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*128.59*	
33 42 11 00-0992	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	666.69	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0993	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	708.57	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*145.51*	
33 42 11 00-0994	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	751.36	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*153.97*	
33 42 11 00-0995	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	797.34	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*162.45*	
33 42 11 00-0996	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	845.71	112.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*170.89*	
33 42 11 00-0997	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	893.48	123.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*179.28*	
33 42 11 00-0998	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	940.18	134.58
		For 1/2 Bituminous Coated And 25% Paved, Add	*187.76*	
33 42 11 00-0999	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	988.85	145.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*196.18*	
33 42 11 00-1000	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,040.45	157.01
		For 1/2 Bituminous Coated And 25% Paved, Add	*204.66*	
33 42 11 00-1001	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,095.50	168.23
		For 1/2 Bituminous Coated And 25% Paved, Add	*213.14*	

33 42 11 00-1002 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-0909)

33 42 11 00-1003 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1002)*

33 42 11 00-1004	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	202.80	33.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.64*	
33 42 11 00-1005	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.43	38.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*73.07*	
33 42 11 00-1006	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	264.89	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.46*	
33 42 11 00-1007	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	328.73	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*100.04*	
33 42 11 00-1008	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	389.98	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*106.56*	
33 42 11 00-1009	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	419.38	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*113.08*	
33 42 11 00-1010	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	445.63	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*119.56*	
33 42 11 00-1011	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	471.78	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*125.99*	
33 42 11 00-1012	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	499.05	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*132.56*	
33 42 11 00-1013	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	529.75	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*139.28*	

33 42 11 00-1014 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1002)*

33 42 11 00-1015	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	276.53	38.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.90*	
33 42 11 00-1016	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.77	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	*75.23*	
33 42 11 00-1017	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	368.89	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.57*	
33 42 11 00-1018	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	433.43	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.83*	
33 42 11 00-1019	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	466.72	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*105.30*	
33 42 11 00-1020	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	496.65	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.66*	
33 42 11 00-1021	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	524.70	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.39*	
33 42 11 00-1022	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	557.23	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.36*	
33 42 11 00-1023	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	591.07	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*130.72*	
33 42 11 00-1024	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	627.30	112.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.02*	
33 42 11 00-1025	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	663.51	123.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.46*	

33 42 11 00-1026 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1002)*

33 42 11 00-1027	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	370.71	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.99*	
33 42 11 00-1028	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	444.90	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*99.61*	
33 42 11 00-1029	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	516.66	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*106.94*	
33 42 11 00-1030	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	556.31	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*114.20*	
33 42 11 00-1031	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	592.77	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*121.42*	
33 42 11 00-1032	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	629.57	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*128.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1033	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	666.94	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.98*	
33 42 11 00-1034	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	707.40	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.23*	
33 42 11 00-1035	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	750.64	112.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*150.53*	
33 42 11 00-1036	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	793.28	123.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*157.79*	
33 42 11 00-1037	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	834.50	134.58
		For 1/2 Bituminous Coated And 25% Paved, Add	*165.05*	

33 42 11 00-1038 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1002)*

33 42 11 00-1039	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	596.35	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*129.73*	
33 42 11 00-1040	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	643.42	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*139.11*	
33 42 11 00-1041	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	686.80	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*148.31*	
33 42 11 00-1042	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	729.87	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*157.42*	
33 42 11 00-1043	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	774.01	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*166.60*	
33 42 11 00-1044	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	821.08	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*175.74*	
33 42 11 00-1045	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	870.90	112.15
		For 1/2 Bituminous Coated And 25% Paved, Add	*184.92*	
33 42 11 00-1046	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	920.21	123.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*194.09*	
33 42 11 00-1047	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	967.95	134.58
		For 1/2 Bituminous Coated And 25% Paved, Add	*203.22*	
33 42 11 00-1048	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,028.17	145.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*215.28*	
33 42 11 00-1049	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,083.66	157.01
		For 1/2 Bituminous Coated And 25% Paved, Add	*225.20*	
33 42 11 00-1050	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,143.88	168.23
		For 1/2 Bituminous Coated And 25% Paved, Add	*235.50*	

33 42 11 00-1051 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0909)*

33 42 11 00-1052 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1051)*

33 42 11 00-1053	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	70.29	12.53
33 42 11 00-1054	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.83	13.57
33 42 11 00-1055	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	90.56	14.61
33 42 11 00-1056	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	117.94	18.80
33 42 11 00-1057	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	151.20	24.68
33 42 11 00-1058	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	173.52	29.16
33 42 11 00-1059	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	195.73	33.65
33 42 11 00-1060	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	232.87	38.13
33 42 11 00-1061	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	254.49	40.37

33 42 11 00-1062 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1051)*

33 42 11 00-1063	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	77.96	12.53
33 42 11 00-1064	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	89.79	13.57
33 42 11 00-1065	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	100.72	14.61
33 42 11 00-1066	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	130.64	18.80
33 42 11 00-1067	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	166.48	24.68
33 42 11 00-1068	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	191.39	29.16
33 42 11 00-1069	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	216.14	33.65
33 42 11 00-1070	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	255.82	38.13
33 42 11 00-1071	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	280.07	40.37
33 42 11 00-1072	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	340.87	49.34
33 42 11 00-1073	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	404.36	71.78
33 42 11 00-1074	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	436.25	78.51

33 42 11 00-1075 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1051)*

33 42 11 00-1076	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	156.37	18.80
33 42 11 00-1077	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	197.29	24.68
33 42 11 00-1078	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	227.47	29.16
33 42 11 00-1079	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	257.30	33.65
33 42 11 00-1080	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	302.11	38.13
33 42 11 00-1081	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	331.59	40.37
33 42 11 00-1082	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	397.42	49.34
33 42 11 00-1083	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	465.99	71.78
33 42 11 00-1084	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	503.00	78.51
33 42 11 00-1085	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	536.82	84.11
33 42 11 00-1086	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	570.69	89.72
33 42 11 00-1087	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	605.22	95.33
33 42 11 00-1088	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	640.45	100.94

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1089		Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0400)*		
33 42 11 00-1090		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1089)*		
33 42 11 00-1091		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1090)*		
33 42 11 00-1092	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	55.84	11.49
		For 1/2 Bituminous Coated And 40% Paved, Add	*15.90*	
33 42 11 00-1093	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	62.98	12.53
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.00*	
33 42 11 00-1094	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	72.72	13.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*22.85*	
33 42 11 00-1095	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	82.05	14.61
		For 1/2 Bituminous Coated And 40% Paved, Add	*26.33*	
33 42 11 00-1096	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	106.39	18.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*33.45*	
33 42 11 00-1097	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	139.85	24.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*43.14*	
33 42 11 00-1098		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1090)*		
33 42 11 00-1099	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	62.37	11.49
		For 1/2 Bituminous Coated And 40% Paved, Add	*16.48*	
33 42 11 00-1100	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	70.89	12.53
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.74*	
33 42 11 00-1101	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	81.63	13.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.48*	
33 42 11 00-1102	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	92.35	14.61
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.08*	
33 42 11 00-1103	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	119.24	18.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*34.29*	
33 42 11 00-1104	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	155.13	24.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*43.69*	
33 42 11 00-1105	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	179.54	29.16
		For 1/2 Bituminous Coated And 40% Paved, Add	*52.04*	
33 42 11 00-1106		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1090)*		
33 42 11 00-1107	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	87.02	12.53
		For 1/2 Bituminous Coated And 40% Paved, Add	*18.08*	
33 42 11 00-1108	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	100.75	13.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*21.49*	
33 42 11 00-1109	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	114.01	14.61
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.67*	
33 42 11 00-1110	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	146.27	18.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*31.13*	
33 42 11 00-1111	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	187.78	24.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*39.14*	
33 42 11 00-1112	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	217.62	29.16
		For 1/2 Bituminous Coated And 40% Paved, Add	*46.39*	
33 42 11 00-1113	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	255.56	33.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*55.24*	
33 42 11 00-1114	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	284.59	38.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*60.89*	
33 42 11 00-1115		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1090)*		
33 42 11 00-1116	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	217.10	24.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*41.19*	
33 42 11 00-1117	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	251.81	29.16
		For 1/2 Bituminous Coated And 40% Paved, Add	*48.68*	
33 42 11 00-1118	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	294.34	33.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*57.48*	
33 42 11 00-1119	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	328.44	38.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*63.64*	
33 42 11 00-1120	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	359.66	40.37
		For 1/2 Bituminous Coated And 40% Paved, Add	*69.79*	
33 42 11 00-1121		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1089)*		
33 42 11 00-1122		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1121)*		
33 42 11 00-1123	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	273.59	38.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*91.46*	
33 42 11 00-1124	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	299.04	40.37
		For 1/2 Bituminous Coated And 40% Paved, Add	*100.08*	
33 42 11 00-1125	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	371.08	49.34
		For 1/2 Bituminous Coated And 40% Paved, Add	*125.70*	
33 42 11 00-1126	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	436.97	71.78
		For 1/2 Bituminous Coated And 40% Paved, Add	*134.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1127	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	472.04	78.51
		For 1/2 Bituminous Coated And 40% Paved, Add	*144.28*	
33 42 11 00-1128	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	504.12	84.11
		For 1/2 Bituminous Coated And 40% Paved, Add	*153.84*	
33 42 11 00-1129	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	536.09	89.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*163.34*	
33 42 11 00-1130	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	568.93	95.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*172.87*	

33 42 11 00-1131 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1121)*

33 42 11 00-1132	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	364.14	40.37
		For 1/2 Bituminous Coated And 40% Paved, Add	*113.73*	
33 42 11 00-1133	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	443.26	49.34
		For 1/2 Bituminous Coated And 40% Paved, Add	*139.00*	
33 42 11 00-1134	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	515.56	71.78
		For 1/2 Bituminous Coated And 40% Paved, Add	*149.50*	
33 42 11 00-1135	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	556.91	78.51
		For 1/2 Bituminous Coated And 40% Paved, Add	*160.36*	
33 42 11 00-1136	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	595.41	84.11
		For 1/2 Bituminous Coated And 40% Paved, Add	*171.30*	
33 42 11 00-1137	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	633.81	89.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*182.20*	
33 42 11 00-1138	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	672.91	95.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*193.05*	
33 42 11 00-1139	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	715.36	100.94
		For 1/2 Bituminous Coated And 40% Paved, Add	*204.01*	
33 42 11 00-1140	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	760.25	112.15
		For 1/2 Bituminous Coated And 40% Paved, Add	*214.91*	
33 42 11 00-1141	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	807.41	123.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*226.91*	

33 42 11 00-1142 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1121)*

33 42 11 00-1143	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	588.53	71.78
		For 1/2 Bituminous Coated And 40% Paved, Add	*161.82*	
33 42 11 00-1144	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	635.95	78.51
		For 1/2 Bituminous Coated And 40% Paved, Add	*173.86*	
33 42 11 00-1145	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	680.43	84.11
		For 1/2 Bituminous Coated And 40% Paved, Add	*185.93*	
33 42 11 00-1146	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	724.70	89.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*197.93*	
33 42 11 00-1147	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	773.86	95.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*211.40*	
33 42 11 00-1148	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	818.25	100.94
		For 1/2 Bituminous Coated And 40% Paved, Add	*222.03*	
33 42 11 00-1149	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	869.16	112.15
		For 1/2 Bituminous Coated And 40% Paved, Add	*234.08*	
33 42 11 00-1150	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	921.75	123.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*246.91*	
33 42 11 00-1151	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	980.10	134.58
		For 1/2 Bituminous Coated And 40% Paved, Add	*262.34*	

33 42 11 00-1152 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1089)*

33 42 11 00-1153 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1152)*

33 42 11 00-1154	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	522.93	71.78
		For 1/2 Bituminous Coated And 40% Paved, Add	*147.13*	
33 42 11 00-1155	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	563.63	78.51
		For 1/2 Bituminous Coated And 40% Paved, Add	*157.36*	
33 42 11 00-1156	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	601.03	84.11
		For 1/2 Bituminous Coated And 40% Paved, Add	*167.49*	
33 42 11 00-1157	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	638.38	89.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*177.61*	
33 42 11 00-1158	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	676.70	95.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*187.78*	
33 42 11 00-1159	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	718.60	100.94
		For 1/2 Bituminous Coated And 40% Paved, Add	*198.14*	
33 42 11 00-1160	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	762.94	112.15
		For 1/2 Bituminous Coated And 40% Paved, Add	*208.45*	
33 42 11 00-1161	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	813.54	123.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*221.36*	

33 42 11 00-1162 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1152)*

33 42 11 00-1163	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	603.77	71.78
		For 1/2 Bituminous Coated And 40% Paved, Add	*163.20*	
33 42 11 00-1164	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	650.94	78.51
		For 1/2 Bituminous Coated And 40% Paved, Add	*174.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1165	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	694.86	84.11
		For 1/2 Bituminous Coated And 40% Paved, Add	*186.43*	
33 42 11 00-1166	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	738.98	89.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*198.07*	
33 42 11 00-1167	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	782.82	95.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*209.33*	
33 42 11 00-1168	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	832.14	100.94
		For 1/2 Bituminous Coated And 40% Paved, Add	*221.44*	
33 42 11 00-1169	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	883.19	112.15
		For 1/2 Bituminous Coated And 40% Paved, Add	*233.24*	
33 42 11 00-1170	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	940.42	123.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*247.40*	
33 42 11 00-1171	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	994.04	134.58
		For 1/2 Bituminous Coated And 40% Paved, Add	*260.77*	

33 42 11 00-1172 Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0400)*

33 42 11 00-1173 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1172)*

33 42 11 00-1174 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1173)*

33 42 11 00-1175	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	28.28	6.27
		For Bituminous Coated Pipe, Add	*3.02*	
33 42 11 00-1176	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	36.58	7.83
		For Bituminous Coated Pipe, Add	*4.11*	
33 42 11 00-1177	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	47.46	9.40
		For Bituminous Coated Pipe, Add	*5.41*	

33 42 11 00-1178 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1173)*

33 42 11 00-1179	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	31.75	6.27
		For Bituminous Coated Pipe, Add	*3.00*	
33 42 11 00-1180	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	41.49	7.83
		For Bituminous Coated Pipe, Add	*4.10*	
33 42 11 00-1181	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	54.00	9.40
		For Bituminous Coated Pipe, Add	*5.42*	

33 42 11 00-1182 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1172)*

33 42 11 00-1183 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1182)*

33 42 11 00-1184	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	54.95	10.96
		For Bituminous Coated Pipe, Add	*5.95*	
33 42 11 00-1185	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	63.95	11.49
		For Bituminous Coated Pipe, Add	*7.47*	
33 42 11 00-1186	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	73.50	12.53
		For Bituminous Coated Pipe, Add	*9.07*	
33 42 11 00-1187	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	84.93	13.57
		For Bituminous Coated Pipe, Add	*10.83*	
33 42 11 00-1188	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	95.03	14.61
		For Bituminous Coated Pipe, Add	*12.28*	

33 42 11 00-1189 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1182)*

33 42 11 00-1190	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	62.38	10.96
		For Bituminous Coated Pipe, Add	*5.82*	
33 42 11 00-1191	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	73.43	11.49
		For Bituminous Coated Pipe, Add	*7.33*	
33 42 11 00-1192	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	84.86	12.53
		For Bituminous Coated Pipe, Add	*8.88*	
33 42 11 00-1193	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	98.10	13.57
		For Bituminous Coated Pipe, Add	*10.54*	
33 42 11 00-1194	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	110.15	14.61
		For Bituminous Coated Pipe, Add	*11.98*	
33 42 11 00-1195	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	143.02	18.80
		For Bituminous Coated Pipe, Add	*15.36*	
33 42 11 00-1196	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	182.23	24.68
		For Bituminous Coated Pipe, Add	*19.09*	

33 42 11 00-1197 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1182)*

33 42 11 00-1198	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	139.05	14.61
		For Bituminous Coated Pipe, Add	*11.37*	
33 42 11 00-1199	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	178.99	18.80
		For Bituminous Coated Pipe, Add	*14.47*	
33 42 11 00-1200	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	225.44	24.68
		For Bituminous Coated Pipe, Add	*17.83*	
33 42 11 00-1201	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	260.68	29.16
		For Bituminous Coated Pipe, Add	*20.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1202	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	294.86	33.65
		For Bituminous Coated Pipe, Add	*23.74*	
33 42 11 00-1203	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	347.27	38.13
		For Bituminous Coated Pipe, Add	*28.16*	

33 42 11 00-1204 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1182)*

33 42 11 00-1205	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	271.49	24.68
		For Bituminous Coated Pipe, Add	*17.53*	
33 42 11 00-1206	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	314.32	29.16
		For Bituminous Coated Pipe, Add	*20.58*	
33 42 11 00-1207	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	356.35	33.65
		For Bituminous Coated Pipe, Add	*23.35*	
33 42 11 00-1208	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	416.44	38.13
		For Bituminous Coated Pipe, Add	*27.40*	
33 42 11 00-1209	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	457.99	40.37
		For Bituminous Coated Pipe, Add	*30.20*	

33 42 11 00-1210 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1172)*

33 42 11 00-1211 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1210)*

33 42 11 00-1212	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	140.67	18.80
33 42 11 00-1213	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	179.30	24.68
33 42 11 00-1214	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	205.89	29.16
33 42 11 00-1215	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	233.22	33.65
33 42 11 00-1216	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	275.86	38.13

33 42 11 00-1217 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1210)*

33 42 11 00-1218	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	159.62	18.80
33 42 11 00-1219	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	206.33	24.68
33 42 11 00-1220	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	237.27	29.16
33 42 11 00-1221	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	267.47	33.65
33 42 11 00-1222	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	315.98	38.13
33 42 11 00-1223	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	345.55	40.37
33 42 11 00-1224	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	420.60	49.34
33 42 11 00-1225	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	489.91	71.78
33 42 11 00-1226	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	527.43	78.51

33 42 11 00-1227 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1210)*

33 42 11 00-1228	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	203.86	18.80
33 42 11 00-1229	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	256.08	24.68
33 42 11 00-1230	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	296.72	29.16
33 42 11 00-1231	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	335.65	33.65
33 42 11 00-1232	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	392.52	38.13
33 42 11 00-1233	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	430.31	40.37
33 42 11 00-1234	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	513.56	49.34
33 42 11 00-1235	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	591.28	71.78
33 42 11 00-1236	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	637.09	78.51
33 42 11 00-1237	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	679.98	84.11
33 42 11 00-1238	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	722.74	89.72
33 42 11 00-1239	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	766.31	95.33

33 42 11 00-1240 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1210)*

33 42 11 00-1241	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	519.45	40.37
33 42 11 00-1242	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	607.86	49.34
33 42 11 00-1243	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	694.05	71.78
33 42 11 00-1244	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	748.33	78.51
33 42 11 00-1245	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	799.55	84.11
33 42 11 00-1246	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	850.75	89.72
33 42 11 00-1247	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	902.72	95.33
33 42 11 00-1248	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	957.98	100.94
33 42 11 00-1249	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,015.70	112.15

33 42 11 00-1250 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1172)*

Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.

33 42 11 00-1251 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1250)*

33 42 11 00-1252	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	99.01	12.53
33 42 11 00-1253	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.47	13.57
33 42 11 00-1254	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	128.94	14.61
33 42 11 00-1255	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	148.90	16.71
33 42 11 00-1256	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	166.62	18.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1257	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	186.49	20.88
33 42 11 00-1258		**14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1250)*		
33 42 11 00-1259	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.04	12.53
33 42 11 00-1260	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.35	13.57
33 42 11 00-1261	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.49	14.61
33 42 11 00-1262	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.09	16.71
33 42 11 00-1263	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	193.45	18.80
33 42 11 00-1264	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	216.06	20.88
33 42 11 00-1265	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.13	24.68
33 42 11 00-1266	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	281.28	29.16
33 42 11 00-1267	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.33	33.65
33 42 11 00-1268		**12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1250)*		
33 42 11 00-1269	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	245.92	18.80
33 42 11 00-1270	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	273.65	20.88
33 42 11 00-1271	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	306.05	24.68
33 42 11 00-1272	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	354.75	29.16
33 42 11 00-1273	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	402.30	33.65
33 42 11 00-1274	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	559.31	38.13
33 42 11 00-1275	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	615.71	40.37
33 42 11 00-1276		**10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1250)*		
33 42 11 00-1277	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	573.38	33.65
33 42 11 00-1278	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	664.78	38.13
33 42 11 00-1279	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	733.03	40.37
33 42 11 00-1280	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	851.07	49.34
33 42 11 00-1281	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	957.47	71.78
33 42 11 00-1282	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,032.92	78.51
33 42 11 00-1283	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,104.67	84.11
33 42 11 00-1284		**Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-0400)*		
33 42 11 00-1285		**2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1284)*		
33 42 11 00-1286		**16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1285)*		
33 42 11 00-1287	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	67.34	11.49
		For Bituminous Coated Pipe, Add	*7.48*	
33 42 11 00-1288	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	76.71	12.53
		For Bituminous Coated Pipe, Add	*8.94*	
33 42 11 00-1289	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	88.58	13.57
		For Bituminous Coated Pipe, Add	*10.64*	
33 42 11 00-1290		**14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1285)*		
33 42 11 00-1291	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	76.83	11.49
		For Bituminous Coated Pipe, Add	*7.45*	
33 42 11 00-1292	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	85.82	12.53
		For Bituminous Coated Pipe, Add	*8.59*	
33 42 11 00-1293	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	101.75	13.57
		For Bituminous Coated Pipe, Add	*10.55*	
33 42 11 00-1294	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	115.10	14.61
		For Bituminous Coated Pipe, Add	*12.10*	
33 42 11 00-1295	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	147.95	18.80
		For Bituminous Coated Pipe, Add	*15.32*	
33 42 11 00-1296		**12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1285)*		
33 42 11 00-1297	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	144.02	14.61
		For Bituminous Coated Pipe, Add	*11.54*	
33 42 11 00-1298	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	184.01	18.80
		For Bituminous Coated Pipe, Add	*14.55*	
33 42 11 00-1299	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	233.93	24.68
		For Bituminous Coated Pipe, Add	*18.16*	
33 42 11 00-1300	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	271.85	29.16
		For Bituminous Coated Pipe, Add	*21.48*	
33 42 11 00-1301		**10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1285)*		
33 42 11 00-1302	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	279.92	24.68
		For Bituminous Coated Pipe, Add	*17.52*	
33 42 11 00-1303	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	325.59	29.16
		For Bituminous Coated Pipe, Add	*20.67*	
33 42 11 00-1304	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	378.97	33.65
		For Bituminous Coated Pipe, Add	*24.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1305	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	423.88	38.13
		For Bituminous Coated Pipe, Add	*26.95*	
33 42 11 00-1306		**3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1284)*		
33 42 11 00-1307		**14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1306)*		
33 42 11 00-1308	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	323.42	38.13
33 42 11 00-1309	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	354.19	40.37
33 42 11 00-1310	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	431.29	49.34
33 42 11 00-1311		**12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1306)*		
33 42 11 00-1312	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	399.96	38.13
33 42 11 00-1313	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	438.95	40.37
33 42 11 00-1314	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	523.86	49.34
33 42 11 00-1315	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	602.37	71.78
33 42 11 00-1316	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	648.96	78.51
33 42 11 00-1317	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	692.64	84.11
33 42 11 00-1318		**10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1306)*		
33 42 11 00-1319	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	527.97	40.37
33 42 11 00-1320	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	617.78	49.34
33 42 11 00-1321	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	704.74	71.78
33 42 11 00-1322	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	759.79	78.51
33 42 11 00-1323	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	811.80	84.11
33 42 11 00-1324	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	863.77	89.72
33 42 11 00-1325		**Corrugated Steel Pipe Fittings** *(33 42 11 00-0400)*		
		Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1326		**Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings** *(33 42 11 00-1325)*		
		Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1327	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	91.99	
33 42 11 00-1328	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	115.35	
33 42 11 00-1329	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	138.72	
33 42 11 00-1330	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	163.57	
33 42 11 00-1331	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	198.59	
33 42 11 00-1332	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	233.62	
33 42 11 00-1333	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	268.68	
33 42 11 00-1334	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	303.70	
33 42 11 00-1335	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	395.71	
33 42 11 00-1336	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	471.63	
33 42 11 00-1337	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	547.57	
33 42 11 00-1338	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	708.19	
33 42 11 00-1339	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	798.73	
33 42 11 00-1340	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	892.18	
33 42 11 00-1341	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	988.55	
33 42 11 00-1342	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,204.65	
33 42 11 00-1343	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,314.15	
33 42 11 00-1344	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,426.59	
33 42 11 00-1345	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,750.75	
33 42 11 00-1346	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,879.26	
33 42 11 00-1347	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,009.21	
33 42 11 00-1348	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,139.15	
33 42 11 00-1349	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,267.65	
33 42 11 00-1350	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,397.62	
33 42 11 00-1351	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,534.64	
33 42 11 00-1352	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,679.48	
33 42 11 00-1353	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,832.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1354		**Fabricate Corrugated Steel Pipe Tees Or Laterals** *(33 42 11 00-1325)* Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1355	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	119.74	
33 42 11 00-1356	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	153.32	
33 42 11 00-1357	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	186.88	
33 42 11 00-1358	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	220.50	
33 42 11 00-1359	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	268.68	
33 42 11 00-1360	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	318.31	
33 42 11 00-1361	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	367.98	
33 42 11 00-1362	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	417.59	
33 42 11 00-1363	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	547.57	
33 42 11 00-1364	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	652.71	
33 42 11 00-1365	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	759.29	
33 42 11 00-1366	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	985.60	
33 42 11 00-1367	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,109.73	
33 42 11 00-1368	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,238.21	
33 42 11 00-1369	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,369.64	
33 42 11 00-1370	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,670.43	
33 42 11 00-1371	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,819.39	
33 42 11 00-1372	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,971.24	
33 42 11 00-1373	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,425.32	
33 42 11 00-1374	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,599.10	
33 42 11 00-1375	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,772.86	
33 42 11 00-1376	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,948.07	
33 42 11 00-1377	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,123.31	
33 42 11 00-1378	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,297.04	
33 42 11 00-1379	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	3,480.47	
33 42 11 00-1380	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,674.09	
33 42 11 00-1381	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,878.46	
33 42 11 00-1382		**Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting** *(33 42 11 00-1325)* Note: Applied to pipe tasks.		
33 42 11 00-1383	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	46.14	
33 42 11 00-1384	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	58.04	
33 42 11 00-1385	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	73.01	
33 42 11 00-1386	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	89.40	
33 42 11 00-1387	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	113.13	
33 42 11 00-1388	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	138.52	
33 42 11 00-1389	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	162.26	
33 42 11 00-1390	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	188.52	
33 42 11 00-1391	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	231.54	
33 42 11 00-1392	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	276.07	
33 42 11 00-1393	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	329.40	
33 42 11 00-1394	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	405.20	
33 42 11 00-1395	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	458.63	
33 42 11 00-1396	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	516.50	
33 42 11 00-1397	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	626.35	
33 42 11 00-1398	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	694.61	
33 42 11 00-1399	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	847.49	
33 42 11 00-1400	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	923.22	
33 42 11 00-1401	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,003.40	
33 42 11 00-1402	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,082.00	
33 42 11 00-1403	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,162.15	
33 42 11 00-1404	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,243.77	
33 42 11 00-1405	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,323.95	
33 42 11 00-1406	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,404.08	
33 42 11 00-1407	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,489.06	
33 42 11 00-1408	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,579.17	
33 42 11 00-1409	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,674.75	
33 42 11 00-1410		**Saddles, Corrugated Steel Pipe Fitting** *(33 42 11 00-1325)*		
33 42 11 00-1411	EA	6" Saddle, Corrugated Steel Pipe Fitting	285.80	
33 42 11 00-1412	EA	8" Saddle, Corrugated Steel Pipe Fitting	322.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1413	EA	10" Saddle, Corrugated Steel Pipe Fitting	370.88	
33 42 11 00-1414	EA	12" Saddle, Corrugated Steel Pipe Fitting	453.93	
33 42 11 00-1415	EA	15" Saddle, Corrugated Steel Pipe Fitting	560.34	
33 42 11 00-1416	EA	18" Saddle, Corrugated Steel Pipe Fitting	668.98	
33 42 11 00-1417	EA	21" Saddle, Corrugated Steel Pipe Fitting	843.69	
33 42 11 00-1418	EA	24" Saddle, Corrugated Steel Pipe Fitting	1,002.96	
33 42 11 00-1419	EA	30" Saddle, Corrugated Steel Pipe Fitting	1,260.64	
33 42 11 00-1420	EA	36" Saddle, Corrugated Steel Pipe Fitting	1,626.36	
33 42 11 00-1421	EA	42" Saddle, Corrugated Steel Pipe Fitting	1,920.66	
33 42 11 00-1422	EA	48" Saddle, Corrugated Steel Pipe Fitting	2,259.26	
33 42 11 00-1423	EA	54" Saddle, Corrugated Steel Pipe Fitting	2,688.48	
33 42 11 00-1424	EA	60" Saddle, Corrugated Steel Pipe Fitting	3,186.91	
33 42 11 00-1425	EA	66" Saddle, Corrugated Steel Pipe Fitting	3,630.13	
33 42 11 00-1426	EA	72" Saddle, Corrugated Steel Pipe Fitting	4,047.95	
33 42 11 00-1427	EA	78" Saddle, Corrugated Steel Pipe Fitting	4,750.15	
33 42 11 00-1428	EA	84" Saddle, Corrugated Steel Pipe Fitting	5,247.28	
33 42 11 00-1429	EA	90" Saddle, Corrugated Steel Pipe Fitting	6,212.62	
33 42 11 00-1430	EA	96" Saddle, Corrugated Steel Pipe Fitting	6,867.68	
33 42 11 00-1431	EA	102" Saddle, Corrugated Steel Pipe Fitting	7,792.77	
33 42 11 00-1432	EA	108" Saddle, Corrugated Steel Pipe Fitting	8,844.08	
33 42 11 00-1433	EA	114" Saddle, Corrugated Steel Pipe Fitting	10,035.99	
33 42 11 00-1434	EA	120" Saddle, Corrugated Steel Pipe Fitting	11,386.96	

33 42 11 00-1435 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1325)*

33 42 11 00-1436	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	17.32	
		For Bituminous Coated, Add	*5.02*	
33 42 11 00-1437	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	23.00	
		For Bituminous Coated, Add	*6.67*	
33 42 11 00-1438	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	28.97	
		For Bituminous Coated, Add	*8.40*	
33 42 11 00-1439	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	48.08	
		For Bituminous Coated, Add	*13.94*	
33 42 11 00-1440	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	60.63	
		For Bituminous Coated, Add	*17.58*	
33 42 11 00-1441	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	88.95	
		For Bituminous Coated, Add	*25.80*	
33 42 11 00-1442	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	105.57	
		For Bituminous Coated, Add	*30.62*	
33 42 11 00-1443	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	119.71	
		For Bituminous Coated, Add	*34.72*	
33 42 11 00-1444	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	207.17	
		For Bituminous Coated, Add	*60.08*	
33 42 11 00-1445	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	331.46	
		For Bituminous Coated, Add	*79.55*	
33 42 11 00-1446	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	389.45	
		For Bituminous Coated, Add	*93.47*	
33 42 11 00-1447	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	436.39	
		For Bituminous Coated, Add	*104.73*	
33 42 11 00-1448	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	618.86	
		For Bituminous Coated, Add	*148.53*	
33 42 11 00-1449	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	885.17	
		For Bituminous Coated, Add	*159.33*	
33 42 11 00-1450	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,087.85	
		For Bituminous Coated, Add	*195.81*	
33 42 11 00-1451	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,397.41	
		For Bituminous Coated, Add	*195.64*	
33 42 11 00-1452	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,494.62	
		For Bituminous Coated, Add	*209.25*	
33 42 11 00-1453	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,592.38	
		For Bituminous Coated, Add	*222.93*	
33 42 11 00-1454	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	1,689.65	
		For Bituminous Coated, Add	*236.55*	
33 42 11 00-1455	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,787.16	
		For Bituminous Coated, Add	*250.20*	
33 42 11 00-1456	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,884.92	
		For Bituminous Coated, Add	*263.89*	
33 42 11 00-1457	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	1,982.23	
		For Bituminous Coated, Add	*277.51*	
33 42 11 00-1458	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,347.73	
		For Bituminous Coated, Add	*281.73*	
33 42 11 00-1459	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,176.70	
		For Bituminous Coated, Add	*261.20*	
33 42 11 00-1460	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,273.72	
		For Bituminous Coated, Add	*272.85*	
33 42 11 00-1461	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,371.43	
		For Bituminous Coated, Add	*284.57*	
33 42 11 00-1462	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,469.24	
		For Bituminous Coated, Add	*296.31*	

33 42 11 00-1463 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1325)*

33 42 11 00-1464	EA	12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	443.38	125.30
33 42 11 00-1465	EA	15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	540.40	156.62
33 42 11 00-1466	EA	18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	634.25	208.83
33 42 11 00-1467	EA	24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	905.57	292.36
33 42 11 00-1468	EA	30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,117.35	334.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1469	EA	36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,544.41	381.32
33 42 11 00-1470	EA	42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,830.84	448.61
33 42 11 00-1471	EA	48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,096.96	448.61
33 42 11 00-1472	EA	54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,556.99	628.05
33 42 11 00-1473	EA	60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,904.82	628.05
33 42 11 00-1474	EA	66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,502.24	785.06
33 42 11 00-1475	EA	72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,740.77	835.53

33 42 11 00-1476 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1325)*

33 42 11 00-1477	EA	12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	645.50	167.06
33 42 11 00-1478	EA	15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	744.30	208.83
33 42 11 00-1479	EA	18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	866.84	271.49
33 42 11 00-1480	EA	24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,244.56	375.90
33 42 11 00-1481	EA	30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,638.20	438.55
33 42 11 00-1482	EA	36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,248.68	515.90
33 42 11 00-1483	EA	42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,669.68	605.62
33 42 11 00-1484	EA	48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,113.98	605.62
33 42 11 00-1485	EA	54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,740.49	829.93
33 42 11 00-1486	EA	60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,217.54	829.93
33 42 11 00-1487	EA	66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,974.25	1,054.23
33 42 11 00-1488	EA	72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,252.53	1,121.52

33 42 11 00-1489 Vitrified Clay Piping *(33 42 11)*

33 42 11 00-1490 Extra Strength Vitrified Clay Piping *(33 42 11 00-1489)*

33 42 11 00-1491 Plain Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-1490)*

Note: ASTM C700.

33 42 11 00-1492	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	22.88
		For 3' Lengths, Add	*2.02*
		For 2' Lengths, Add	*2.69*
		For Standard Strength, Deduct	*-0.67*
		For >1,000, Deduct	*-1.14*
33 42 11 00-1493	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	37.97
		For 3' Lengths, Add	*3.14*
		For 2' Lengths, Add	*4.18*
		For Standard Strength, Deduct	*-1.05*
		For >1,000, Deduct	*-1.90*
33 42 11 00-1494	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	45.53
		For 3' Lengths, Add	*4.48*
		For 2' Lengths, Add	*5.98*
		For Standard Strength, Deduct	*-1.49*
		For >1,000, Deduct	*-2.28*
33 42 11 00-1495	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	54.79
		For 3' Lengths, Add	*6.86*
		For 2' Lengths, Add	*9.15*
		For Standard Strength, Deduct	*-2.29*
		For >1,000, Deduct	*-2.74*
33 42 11 00-1496	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	67.11
		For 3' Lengths, Add	*9.69*
		For 2' Lengths, Add	*12.92*
		For Standard Strength, Deduct	*-3.23*
		For >1,000, Deduct	*-3.36*
33 42 11 00-1497	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	99.29
		For 3' Lengths, Add	*18.17*
		For 2' Lengths, Add	*24.22*
		For Standard Strength, Deduct	*-6.06*
		For >1,000, Deduct	*-4.96*
33 42 11 00-1498	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	135.10
		For 3' Lengths, Add	*26.04*
		For 2' Lengths, Add	*34.72*
		For Standard Strength, Deduct	*-8.68*
		For >1,000, Deduct	*-6.76*
33 42 11 00-1499	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	199.97
		For 3' Lengths, Add	*41.72*
		For 2' Lengths, Add	*55.62*
		For Standard Strength, Deduct	*-13.91*
		For >1,000, Deduct	*-10.00*
33 42 11 00-1500	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	255.64
		For 3' Lengths, Add	*54.50*
		For 2' Lengths, Add	*72.67*
		For Standard Strength, Deduct	*-18.17*
		For >1,000, Deduct	*-12.78*
33 42 11 00-1501	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	316.35
		For 3' Lengths, Add	*67.96*
		For 2' Lengths, Add	*90.61*
		For Standard Strength, Deduct	*-22.65*
		For >1,000, Deduct	*-15.82*
33 42 11 00-1502	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	382.70
		For 3' Lengths, Add	*82.09*
		For 2' Lengths, Add	*109.45*
		For Standard Strength, Deduct	*-27.36*
		For >1,000, Deduct	*-19.14*

33 42 11 00-1503 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-1490)*

Note: ASTM C425.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1504	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	32.41	
		For 3' Lengths, Add	*2.38*	
		For 2' Lengths, Add	*3.18*	
		For Standard Strength, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.62*	
33 42 11 00-1505	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	40.48	
		For 3' Lengths, Add	*3.89*	
		For 2' Lengths, Add	*5.18*	
		For Standard Strength, Deduct	*-1.30*	
		For >1,000, Deduct	*-2.02*	
33 42 11 00-1506	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	48.89	
		For 3' Lengths, Add	*5.49*	
		For 2' Lengths, Add	*7.32*	
		For Standard Strength, Deduct	*-1.83*	
		For >1,000, Deduct	*-2.44*	
33 42 11 00-1507	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	61.96	
		For 3' Lengths, Add	*9.02*	
		For 2' Lengths, Add	*12.02*	
		For Standard Strength, Deduct	*-3.01*	
		For >1,000, Deduct	*-3.10*	
33 42 11 00-1508	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	74.28	
		For 3' Lengths, Add	*11.84*	
		For 2' Lengths, Add	*15.79*	
		For Standard Strength, Deduct	*-3.95*	
		For >1,000, Deduct	*-3.71*	
33 42 11 00-1509	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	110.73	
		For 3' Lengths, Add	*21.60*	
		For 2' Lengths, Add	*28.80*	
		For Standard Strength, Deduct	*-7.20*	
		For >1,000, Deduct	*-5.54*	
33 42 11 00-1510	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	153.71	
		For 3' Lengths, Add	*31.62*	
		For 2' Lengths, Add	*42.16*	
		For Standard Strength, Deduct	*-10.54*	
		For >1,000, Deduct	*-7.69*	
33 42 11 00-1511	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	221.28	
		For 3' Lengths, Add	*48.11*	
		For 2' Lengths, Add	*64.15*	
		For Standard Strength, Deduct	*-16.04*	
		For >1,000, Deduct	*-11.06*	
33 42 11 00-1512	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	289.29	
		For 3' Lengths, Add	*64.60*	
		For 2' Lengths, Add	*86.13*	
		For Standard Strength, Deduct	*-21.53*	
		For >1,000, Deduct	*-14.46*	
33 42 11 00-1513	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	464.38	
		For 3' Lengths, Add	*112.37*	
		For 2' Lengths, Add	*149.82*	
		For Standard Strength, Deduct	*-37.46*	
		For >1,000, Deduct	*-23.22*	
33 42 11 00-1514	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	660.82	
		For 3' Lengths, Add	*165.53*	
		For 2' Lengths, Add	*220.70*	
		For Standard Strength, Deduct	*-55.18*	
		For >1,000, Deduct	*-33.04*	

33 42 11 00-1515 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-1489)*

33 42 11 00-1516 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1515)*

33 42 11 00-1517 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-1516)*

33 42 11 00-1518	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	96.47
33 42 11 00-1519	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	130.55
33 42 11 00-1520	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	187.16
33 42 11 00-1521	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	258.06
33 42 11 00-1522	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	341.50
33 42 11 00-1523	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	819.63
33 42 11 00-1524	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,156.60
33 42 11 00-1525	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,805.92
33 42 11 00-1526	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,083.96
33 42 11 00-1527	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,419.39
33 42 11 00-1528	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,632.83

33 42 11 00-1529 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1516)*

33 42 11 00-1530	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	108.92
33 42 11 00-1531	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	155.38
33 42 11 00-1532	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	210.98
33 42 11 00-1533	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	283.60
33 42 11 00-1534	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	360.45
33 42 11 00-1535	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	919.19
33 42 11 00-1536	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,338.10
33 42 11 00-1537	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,374.44
33 42 11 00-1538	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,669.31
33 42 11 00-1539	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,971.73
33 42 11 00-1540	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,416.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1541		1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1515)*		
33 42 11 00-1542		Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1541)*		
33 42 11 00-1543	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	112.62	
33 42 11 00-1544	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	150.00	
33 42 11 00-1545	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	209.92	
33 42 11 00-1546	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	282.78	
33 42 11 00-1547	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	369.35	
33 42 11 00-1548	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	850.61	
33 42 11 00-1549	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,195.25	
33 42 11 00-1550	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,854.65	
33 42 11 00-1551	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,143.14	
33 42 11 00-1552	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,493.19	
33 42 11 00-1553	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,714.86	
33 42 11 00-1554		Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-1541)*		
33 42 11 00-1555	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	128.31	
33 42 11 00-1556	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	178.72	
33 42 11 00-1557	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	238.29	
33 42 11 00-1558	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	313.26	
33 42 11 00-1559	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	393.87	
33 42 11 00-1560	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	956.37	
33 42 11 00-1561	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,384.46	
33 42 11 00-1562	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,690.20	
33 42 11 00-1563	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,740.32	
33 42 11 00-1564	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,060.28	
33 42 11 00-1565	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,515.32	
33 42 11 00-1566		Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-1515)*		
33 42 11 00-1567		Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-1566)*		
33 42 11 00-1568	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	123.43	
33 42 11 00-1569	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	161.40	
33 42 11 00-1570	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	219.93	
33 42 11 00-1571	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	291.66	
33 42 11 00-1572	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	369.26	
33 42 11 00-1573	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	858.22	
33 42 11 00-1574	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,201.72	
33 42 11 00-1575	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,737.41	
33 42 11 00-1576	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,419.11	
33 42 11 00-1577	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,558.55	
33 42 11 00-1578	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,683.48	
33 42 11 00-1579		Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-1566)*		
33 42 11 00-1580	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	150.86	
33 42 11 00-1581	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	207.39	
33 42 11 00-1582	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	273.65	
33 42 11 00-1583	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	355.08	
33 42 11 00-1584	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	443.54	
33 42 11 00-1585	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,044.02	
33 42 11 00-1586	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,505.77	
33 42 11 00-1587	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,237.09	
33 42 11 00-1588	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,964.85	
33 42 11 00-1589	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,428.56	
33 42 11 00-1590	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	4,871.35	
33 42 11 00-1591		Vitrified Clay Couplings *(33 42 11 00-1489)*		
33 42 11 00-1592		Vitrified Clay To Cast Iron Or Plastic Pipe Couplings *(33 42 11 00-1591)*		
		Note: Stainless steel tightening band at each end (Fernco #1002)		
33 42 11 00-1593	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	38.34	
33 42 11 00-1594	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	38.00	
33 42 11 00-1595	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	51.60	
33 42 11 00-1596	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	48.82	
33 42 11 00-1597	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	62.68	
33 42 11 00-1598	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	65.09	
33 42 11 00-1599	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	59.77	
33 42 11 00-1600	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	85.18	
33 42 11 00-1601	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	79.09	
33 42 11 00-1602	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	110.59	
33 42 11 00-1603	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	101.18	
33 42 11 00-1604	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	136.72	
33 42 11 00-1605	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	115.12	
33 42 11 00-1606	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	228.35	
33 42 11 00-1607	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	176.85	
33 42 11 00-1608		Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings *(33 42 11 00-1591)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-1609	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	76.98	
33 42 11 00-1610	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	102.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1611	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	108.28	
33 42 11 00-1612	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	113.51	
33 42 11 00-1613	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	140.04	
33 42 11 00-1614	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	162.42	

33 42 11 00-1615 Vitrified Clay To Plastic Pipe Non-Shear Couplings *(33 42 11 00-1591)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-1616	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	78.94	
33 42 11 00-1617	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	104.39	
33 42 11 00-1618	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	95.67	
33 42 11 00-1619	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	125.24	
33 42 11 00-1620	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	181.09	
33 42 11 00-1621	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	204.58	

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0899 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	450.73	56.07
		For Each LF Of Cut-Off Section, Add	*18.03*	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	508.09	56.07
		For Each LF Of Cut-Off Section, Add	*20.32*	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	600.74	56.07
		For Each LF Of Cut-Off Section, Add	*24.03*	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	721.15	70.10
		For Each LF Of Cut-Off Section, Add	*28.85*	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	738.80	70.10
		For Each LF Of Cut-Off Section, Add	*29.55*	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	747.63	70.10
		For Each LF Of Cut-Off Section, Add	*29.91*	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	770.82	72.89
		For Each LF Of Cut-Off Section, Add	*30.83*	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	775.24	72.89
		For Each LF Of Cut-Off Section, Add	*31.01*	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	854.65	72.89
		For Each LF Of Cut-Off Section, Add	*34.19*	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	876.86	84.11
		For Each LF Of Cut-Off Section, Add	*35.07*	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	936.80	114.39
		For Each LF Of Cut-Off Section, Add	*37.47*	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	859.06	72.89
		For Each LF Of Cut-Off Section, Add	*34.36*	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	881.27	84.11
		For Each LF Of Cut-Off Section, Add	*35.25*	
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	894.51	84.11
		For Each LF Of Cut-Off Section, Add	*35.78*	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,078.84	112.15
		For Each LF Of Cut-Off Section, Add	*43.15*	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,082.37	112.15
		For Each LF Of Cut-Off Section, Add	*43.29*	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,197.00	140.19
		For Each LF Of Cut-Off Section, Add	*47.88*	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,192.67	112.15
		For Each LF Of Cut-Off Section, Add	*47.71*	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,261.42	140.19
		For Each LF Of Cut-Off Section, Add	*50.46*	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,265.83	140.19
		For Each LF Of Cut-Off Section, Add	*50.63*	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,539.37	140.19
		For Each LF Of Cut-Off Section, Add	*61.57*	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,612.52	168.23
		For Each LF Of Cut-Off Section, Add	*64.50*	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,630.17	168.23
		For Each LF Of Cut-Off Section, Add	*65.21*	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,634.58	168.23
		For Each LF Of Cut-Off Section, Add	*65.38*	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,640.76	168.23
		For Each LF Of Cut-Off Section, Add	*65.63*	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,703.34	196.27
		For Each LF Of Cut-Off Section, Add	*68.13*	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,703.34	196.27
		For Each LF Of Cut-Off Section, Add	*68.13*	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,703.34	196.27
		For Each LF Of Cut-Off Section, Add	*68.13*	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,703.34	196.27
		For Each LF Of Cut-Off Section, Add	*68.13*	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,482.40	224.31
		For Each LF Of Cut-Off Section, Add	*99.30*	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,453.04	224.31
		For Each LF Of Cut-Off Section, Add	*138.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0033		**Precast Reinforced Concrete Box Culvert For Roadways** *(33 42 13 13)* Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0899 for crane lifting equipment.		
33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,126.21	56.07
		For Each LF Of Cut-Off Section, Add	*45.05*	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,210.97	56.07
		For Each LF Of Cut-Off Section, Add	*48.44*	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,360.96	56.07
		For Each LF Of Cut-Off Section, Add	*54.44*	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,538.69	70.10
		For Each LF Of Cut-Off Section, Add	*61.55*	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,688.69	70.10
		For Each LF Of Cut-Off Section, Add	*67.55*	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,838.69	70.10
		For Each LF Of Cut-Off Section, Add	*73.55*	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,694.24	72.89
		For Each LF Of Cut-Off Section, Add	*67.77*	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,844.24	72.89
		For Each LF Of Cut-Off Section, Add	*73.77*	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,144.24	72.89
		For Each LF Of Cut-Off Section, Add	*85.77*	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,016.45	84.11
		For Each LF Of Cut-Off Section, Add	*80.66*	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,376.35	114.39
		For Each LF Of Cut-Off Section, Add	*95.05*	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,844.24	72.89
		For Each LF Of Cut-Off Section, Add	*73.77*	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,016.45	84.11
		For Each LF Of Cut-Off Section, Add	*80.66*	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,166.45	84.11
		For Each LF Of Cut-Off Section, Add	*86.66*	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,371.91	112.15
		For Each LF Of Cut-Off Section, Add	*94.88*	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,521.91	112.15
		For Each LF Of Cut-Off Section, Add	*100.88*	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,877.42	140.19
		For Each LF Of Cut-Off Section, Add	*115.10*	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,546.46	112.15
		For Each LF Of Cut-Off Section, Add	*101.86*	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,922.56	140.19
		For Each LF Of Cut-Off Section, Add	*116.90*	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,889.92	140.19
		For Each LF Of Cut-Off Section, Add	*115.60*	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,068.03	140.19
		For Each LF Of Cut-Off Section, Add	*122.72*	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,301.64	168.23
		For Each LF Of Cut-Off Section, Add	*132.07*	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,479.75	168.23
		For Each LF Of Cut-Off Section, Add	*139.19*	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,657.89	168.23
		For Each LF Of Cut-Off Section, Add	*146.32*	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,836.00	168.23
		For Each LF Of Cut-Off Section, Add	*153.44*	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,830.91	196.27
		For Each LF Of Cut-Off Section, Add	*153.24*	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	4,033.37	196.27
		For Each LF Of Cut-Off Section, Add	*161.33*	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,438.35	196.27
		For Each LF Of Cut-Off Section, Add	*177.53*	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,843.34	196.27
		For Each LF Of Cut-Off Section, Add	*193.73*	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,798.80	224.31
		For Each LF Of Cut-Off Section, Add	*231.95*	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,328.72	224.31
		For Each LF Of Cut-Off Section, Add	*293.15*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001 **Headwalls** *(33 42 23)*
Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 **Cast In Place Concrete Headwalls** *(33 42 23 00-0001)*
Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 **Skewed Wingwall, Cast In Place Concrete Headwall** *(33 42 23 00-0002)*
Note: Sized by pipe diameter.

33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,659.52	741.36
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,090.25	790.79
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,731.39	1,035.82
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,272.27	1,482.73
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,938.75	1,976.97
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,198.70	2,605.87
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,906.94	3,594.47
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,779.32	4,236.33
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	14,169.16	5,157.37
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	17,000.41	6,243.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0014		**Precast Concrete Headwalls** *(33 42 23 00-0001)*		
33 42 23 00-0015	EA	12" Pipe, Precast Concrete Headwall	910.63	187.95
33 42 23 00-0016	EA	15" Pipe, Precast Concrete Headwall	941.95	198.39
33 42 23 00-0017	EA	18" Pipe, Precast Concrete Headwall	1,036.74	225.53
33 42 23 00-0018	EA	24" Pipe, Precast Concrete Headwall	1,145.47	240.16
33 42 23 00-0019	EA	30" Pipe, Precast Concrete Headwall	1,539.39	281.92
33 42 23 00-0020	EA	36" Pipe, Precast Concrete Headwall	1,728.97	292.36
33 42 23 00-0021	EA	42" Pipe, Precast Concrete Headwall	2,278.78	346.10
33 42 23 00-0022	EA	48" Pipe, Precast Concrete Headwall	2,516.42	381.32
33 42 23 00-0023	EA	54" Pipe, Precast Concrete Headwall	2,777.51	403.74
33 42 23 00-0024	EA	60" Pipe, Precast Concrete Headwall	3,152.31	403.74
33 42 23 00-0025	EA	72" Pipe, Precast Concrete Headwall	3,812.20	504.68
33 42 23 00-0026	EA	84" Pipe, Precast Concrete Headwall	5,404.26	605.62
33 42 23 00-0027		**Precast Concrete Wingwalls** *(33 42 23 00-0001)*		
33 42 23 00-0028	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,689.85	1,998.55
33 42 23 00-0029	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,026.31	2,220.61
33 42 23 00-0030	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,587.07	2,590.71
33 42 23 00-0031	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	7,147.83	2,960.81
33 42 23 00-0032	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,147.83	2,960.81
33 42 23 00-0033	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,372.14	3,108.86
33 42 23 00-0034	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	12,752.43	3,182.88
33 42 23 00-0035	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	13,088.89	3,404.94
33 42 23 00-0036		**Precast Concrete Transverse Drainage Interceptor** *(33 42 23 00-0001)*		
33 42 23 00-0037	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,750.57	785.06
33 42 26		**End Sections for Stormwater Piping** *(33 42)*		
33 42 26 16		**Corrugated Metal End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 16-0001		**Corrugated Metal Pipe End Sections** *(33 42 26 16)*		
33 42 26 16-0002		**Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0003		**Type 1 Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0002)* Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	321.69	73.09
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	376.13	78.31
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	442.52	83.54
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	540.11	91.36
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	599.19	99.20
33 42 26 16-0009		**Type 2 Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0002)* Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	986.56	112.25
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,286.53	134.58
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,997.21	157.01
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,444.85	179.45
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,908.14	224.31
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,393.30	269.16
33 42 26 16-0016		**Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0002)* Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	337.37	73.09
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	392.26	78.31
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	467.31	83.54
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	569.88	91.36
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	632.93	99.20
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,090.19	112.25
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,416.15	134.58
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,278.19	157.01
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,807.47	179.45
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,274.84	224.31
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,554.73	269.16
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,129.96	403.74
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,976.81	538.33
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,513.85	577.58
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	7,064.37	616.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0032		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section** *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	43.41	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	48.60	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	54.97	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	59.80	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	67.03	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	118.44	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	127.41	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	175.90	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	187.99	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	230.01	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	235.18	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	250.06	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	281.45	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	315.04	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	322.10	
33 42 26 16-0048		**Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0049		**Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	376.13	78.31
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	442.52	83.54
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	540.11	91.36
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	599.19	99.20
33 42 26 16-0054		**Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	362.59	78.31
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	417.48	83.54
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	468.43	91.36
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	530.74	99.20
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	791.44	112.25
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,170.21	134.58
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,842.95	157.01
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,342.07	179.45
33 42 26 16-0063		**Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	369.46	78.31
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	432.42	83.54
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	491.78	91.36
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	558.42	99.20
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	838.48	112.25
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,234.37	134.58
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,945.59	157.01
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,460.18	179.45
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,956.67	224.31
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,897.21	269.16
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,428.01	403.74
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,972.83	538.33
33 42 26 16-0076		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)*		
33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	48.60	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	54.97	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	59.80	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	67.03	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	118.44	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	127.41	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	175.90	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	195.76	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	230.01	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	238.27	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	275.25	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	309.17	
33 42 26 16-0089		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0090		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0089)*		
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	503.94	73.09
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	583.64	78.31
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	696.47	83.54
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	869.33	91.36
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,145.19	99.20
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,735.03	112.25
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,370.55	134.58
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,966.82	134.58
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,791.10	157.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,432.58	179.45
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,005.22	224.31
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,110.10	269.16
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,138.21	403.74
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,656.35	538.33
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,643.55	577.58
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,282.51	616.83
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	16,886.21	672.92
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	18,701.42	728.99

33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section *(33 42 26 16-0089)*

33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	78.90	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	83.82	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	91.25	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	103.04	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	109.13	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	140.94	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	167.32	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	177.28	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	194.52	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	219.92	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	260.60	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	370.17	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	396.40	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	497.54	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	537.82	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	572.86	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	609.81	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	647.03	

33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0001)*

33 42 26 16-0129 Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0128)*

33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	602.92	78.31
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	743.45	83.54
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	807.02	91.36
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	870.55	99.20
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,323.07	112.25
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,397.95	134.58
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,549.13	134.58
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,418.23	157.01
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,287.37	179.45
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,044.65	224.31
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,309.49	269.16
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,267.65	403.74
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,820.65	538.33
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,963.57	577.58
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,567.70	616.83
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,878.63	672.92
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,813.74	728.99

33 42 26 16-0147 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section *(33 42 26 16-0128)*

33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	83.82
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	91.25
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	96.07
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	105.30
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	119.04
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	154.73
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	170.61
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	194.52
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	219.92
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	260.60
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	334.85
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	425.96
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	571.46
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	650.34
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	680.18
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	703.99
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	733.54

33 42 26 16-0165 Low Slope Corrugated Steel Pipe End Sections And Accessories *(33 42 26 16-0001)*

33 42 26 16-0166 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*

33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	788.01	78.31
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,024.05	83.54
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,259.72	91.36
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,512.42	99.20
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,596.22	112.25
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,093.70	134.58
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,343.75	157.01

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0174		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	570.55	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,163.85	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,277.26	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,326.77	
33 42 26 16-0179		6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	827.16	78.31
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,094.48	83.54
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,466.96	91.36
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,727.81	99.20
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,053.46	112.25
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,497.28	134.58
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	3,848.70	157.01
33 42 26 16-0187		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,125.35	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,192.56	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,311.20	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,373.75	
33 42 26 16-0192		Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section *(33 42 26 16-0165)*		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	94.19	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	106.30	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	115.75	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	129.48	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	199.25	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	213.90	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	289.56	
33 42 26 16-0200		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0201		4:1 Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	941.58	83.54
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,188.67	91.36
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,411.80	99.20
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	2,700.90	112.25
33 42 26 16-0206		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0200)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	682.45	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	1,260.02	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	1,326.77	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,962.07	
33 42 26 16-0211		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	95.05	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	108.23	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	118.01	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	139.39	
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		Corrugated High-Density Polyethylene (HDPE) Pipe End Sections *(33 42 26 19)*		
33 42 26 19-0002	EA	4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	60.00	21.26
33 42 26 19-0003	EA	6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	109.20	31.91
33 42 26 19-0004	EA	8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	147.14	39.87
33 42 26 19-0005	EA	10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	232.07	63.80
33 42 26 19-0006	EA	12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	274.27	71.78
33 42 26 19-0007	EA	15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	291.43	77.10
33 42 26 19-0008	EA	18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	344.96	85.08
33 42 26 19-0009	EA	24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	442.75	101.02
33 42 26 19-0010	EA	30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	881.91	114.32
33 42 26 19-0011	EA	36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	1,071.82	127.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23		**Concrete End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 23-0001		Precast Concrete End Sections *(33 42 26 23)*		
33 42 26 23-0002		Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	741.95	122.48
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	996.39	151.61
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,233.56	191.91
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,415.32	229.51
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,503.53	265.63
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,893.70	334.21
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,346.62	501.99
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,897.08	633.43
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	3,504.50	794.60
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,840.37	896.09
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	4,188.33	1,003.76
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	4,545.05	1,115.91
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	4,524.46	890.14
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	5,179.18	1,112.65
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	6,155.71	1,390.82
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	7,283.10	1,668.98
33 42 26 23-0019		Flared Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	935.04	130.66
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,125.94	162.85
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,366.76	206.14
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,561.56	246.51
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,905.74	285.32
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,296.24	455.67
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	2,386.26	627.37
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	3,225.13	791.79
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	3,869.34	993.44
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	4,185.98	1,120.40
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	4,682.03	1,254.87
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	5,187.40	1,393.83
33 42 26 23-0032		Elliptical Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0033	EA	14" x 23" Elliptical Precast Concrete End Section	1,631.07	206.14
33 42 26 23-0034	EA	18" x 24" Elliptical Precast Concrete End Section	1,859.43	246.51
33 42 26 23-0035	EA	19" x 30" Elliptical Precast Concrete End Section	2,275.08	285.32
33 42 26 23-0036	EA	22" x 34" Elliptical Precast Concrete End Section	2,699.27	455.67
33 42 26 23-0037	EA	24" x 38" Elliptical Precast Concrete End Section	2,747.30	627.37
33 42 26 23-0038	EA	27" x 42" Elliptical Precast Concrete End Section	3,240.76	709.93
33 42 26 23-0039	EA	29" x 45" Elliptical Precast Concrete End Section	3,734.22	791.79
33 42 26 23-0040	EA	34" x 53" Elliptical Precast Concrete End Section	4,463.83	993.44
33 42 26 23-0041	EA	38" x 60" Elliptical Precast Concrete End Section	4,811.93	1,120.40
33 42 26 23-0042	EA	43" x 68" Elliptical Precast Concrete End Section	5,381.54	1,254.87
33 42 26 23-0043	EA	48" x 76" Elliptical Precast Concrete End Section	5,960.87	1,393.83
33 42 26 23-0044		Mitered Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0045	EA	12" Round Mitered Precast Concrete End Sections	533.10	130.66
33 42 26 23-0046	EA	15" Round Mitered Precast Concrete End Sections	580.22	162.85
33 42 26 23-0047	EA	18" Round Mitered Precast Concrete End Sections	699.26	206.14
33 42 26 23-0048	EA	24" Round Mitered Precast Concrete End Sections	1,013.00	285.32
33 42 26 23-0049	EA	12" x 18" Elliptical Mitered Precast Concrete End Sections	622.48	162.85
33 42 26 23-0050	EA	14" x 23" Elliptical Mitered Precast Concrete End Sections	774.38	206.14
33 42 26 23-0051	EA	19" x 30" Elliptical Mitered Precast Concrete End Sections	1,104.55	285.32
33 42 31		**Stormwater Area Drains and Inlets** *(33 42)*		
33 42 31 00-0001		Storm Drains *(33 42 31)* See CSI section 33 05 61 00-0001 for manhole structures.		
33 42 31 00-0002		Catch Basins And Inlet Basins *(33 42 31 00-0001)* Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003		Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0004		3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,935.86	364.64
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,310.09	427.25
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,684.32	489.74
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,058.55	552.35
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,432.77	614.84
33 42 31 00-0010		3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,466.91	362.45
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,057.96	483.26
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,912.43	658.99
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,759.22	768.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,437.65	878.65
33 42 31 00-0016		**4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins** *(33 42 31 00-0003)*		
33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,650.31	395.39
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,670.49	549.16
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,494.00	713.90
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,189.92	823.74
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,584.89	1,054.39
33 42 31 00-0022		**Cast In Place, Catch Basin** *(33 42 31 00-0002)* Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023		**3' x 3', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,424.88	440.86
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,572.43	468.76
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,812.01	503.47
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,159.14	557.29
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,408.06	593.20
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,569.89	622.09
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,819.02	658.00
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,976.56	687.00
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,228.04	722.81
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,387.51	751.80
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,636.53	787.72
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	579.59	98.41
33 42 31 00-0036		**3'-6" x 3'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,790.91	509.62
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,978.05	545.42
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,227.40	581.34
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,633.24	643.84
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,906.64	684.47
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,092.73	718.19
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,370.20	758.83
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,556.29	792.55
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,831.95	833.18
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,017.51	866.90
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,293.27	907.54
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	661.68	113.46
33 42 31 00-0049		**4' x 4', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,183.12	582.99
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,380.03	620.01
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,666.61	663.82
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,131.83	735.11
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,433.68	780.47
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,645.76	819.02
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,947.60	864.38
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,160.22	902.93
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,462.07	948.29
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,674.15	986.84
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,976.00	1,032.30
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	746.96	129.05
33 42 31 00-0062		**4'-6" x 4'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,692.84	676.01
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,924.28	714.24
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,243.67	763.66
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,774.49	844.71
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,111.63	895.90
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,359.12	940.16
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,695.74	991.34
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,943.22	1,035.71
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,280.38	1,086.89
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,525.49	1,131.15
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,864.46	1,182.34
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	858.11	147.83
33 42 31 00-0075		**5' x 5', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,752.07	857.46
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,343.46	947.52
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,709.49	1,003.64
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,983.51	1,052.84
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,345.37	1,108.86
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,621.74	1,158.07
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,985.42	1,214.19
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,257.61	1,263.40
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,623.66	1,319.41
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,334.01	164.97

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0086		**5'-6" x 5'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,285.37	956.20
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,173.04	1,082.41
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,580.59	1,144.78
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,896.10	1,200.68
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,305.48	1,263.50
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,623.36	1,319.41
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,030.90	1,382.23
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,346.42	1,438.14
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,753.97	1,500.96
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,094.24	187.59
33 42 31 00-0097		**6' x 6', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,847.15	1,059.54
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,825.87	1,198.04
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,262.96	1,265.93
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,608.57	1,326.87
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,043.31	1,394.75
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,390.73	1,455.71
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,826.00	1,523.58
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,171.07	1,584.54
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,608.16	1,652.42
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,201.08	206.59
33 42 31 00-0108		**6'-6" x 6'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,433.17	1,167.84
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,803.90	1,353.02
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,286.95	1,428.14
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,680.21	1,496.35
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,163.26	1,571.36
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,556.53	1,639.68
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,039.58	1,714.69
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,432.84	1,782.90
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,917.71	1,858.02
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,364.66	232.30
33 42 31 00-0119		**7' x 7', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	7,046.05	1,280.85
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,547.94	1,482.95
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,061.19	1,563.34
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,482.95	1,636.71
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,998.45	1,717.00
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,420.21	1,790.48
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,933.46	1,870.76
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,357.58	1,944.24
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,870.73	2,024.53
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,483.90	253.05
33 42 31 00-0130		**7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	8,024.60	1,437.59
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,322.28	1,618.15
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,863.91	1,703.72
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,318.25	1,782.35
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,862.13	1,867.91
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,316.46	1,946.55
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,858.09	2,032.10
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,312.42	2,110.75
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,856.42	2,196.31
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,607.01	274.58
33 42 31 00-0141		**8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	8,722.94	1,564.11
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,124.88	1,758.63
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,697.37	1,849.35
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,181.90	1,933.26
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,754.29	2,023.98
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,234.10	2,107.89
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,811.20	2,198.61
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,295.74	2,282.52
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,858.37	2,373.25
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,733.51	296.65
33 42 31 00-0152		**Precast Concrete Catch Basins** *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0153		**1'-6" Diameter Precast Catch Basins** *(33 42 31 00-0152)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	736.43	228.91
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	1,024.85	343.37
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	1,299.10	446.38
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,555.65	527.64
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,916.13	669.56
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	2,192.18	772.58
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	152.72	51.50
33 42 31 00-0161		**2' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	839.04	254.67
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	1,161.23	377.70
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	1,466.19	497.89
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,750.12	580.87
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	2,168.74	743.96
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	2,478.03	858.42
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	172.68	61.81
33 42 31 00-0169		**3' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	1,106.76	300.45
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	1,511.13	444.09
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,898.96	586.58
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	2,364.99	732.52
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	2,793.78	873.30
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	3,207.81	1,016.36
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	220.72	72.60
33 42 31 00-0177		**4' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	1,338.36	334.21
33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,741.05	457.82
33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	2,332.69	686.73
33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	2,910.89	858.42
33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin	3,441.15	1,030.11
33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin	3,954.90	1,201.78
33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	271.47	85.84
33 42 31 00-0185		**5' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin	1,801.89	457.82
33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin	2,467.90	686.73
33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin	3,137.29	915.65
33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin	3,837.12	1,144.56
33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin	4,526.81	1,373.47
33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin	5,268.82	1,602.38
33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	361.19	114.46
33 42 31 00-0193		**6' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin	2,636.93	686.73
33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin	3,576.36	1,030.11
33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin	4,580.88	1,373.47
33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin	5,709.19	1,716.84
33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin	6,803.71	2,060.20
33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin	7,873.36	2,403.57
33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	538.42	171.69
33 42 31 00-0201		**Precast Catch Basins Accessories** *(33 42 31 00-0152)*		
33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat	1,596.59	743.96
33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin	729.28	91.56
33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	410.88	97.29
33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring	512.71	143.07
		For Each Additional Inch In Height, Add	*61.59*	
33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring	604.83	171.69
		For Each Additional Inch In Height, Add	*72.17*	
33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring	705.45	200.30
		For Each Additional Inch In Height, Add	*84.23*	
33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring	883.77	286.14
		For Each Additional Inch In Height, Add	*99.65*	
33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	686.69	
33 42 31 00-0210		**Catch Basin Risers** *(33 42 31 00-0152)*		
33 42 31 00-0211	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	426.12	
33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	476.02	
33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	535.37	
33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	458.77	
33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	512.03	
33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	577.80	
33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	507.64	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	554.94	
33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	620.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0220		**Cast In Place, Storm Drain Cleanout** *(33 42 31 00-0002)* Note: Inside span.		
33 42 31 00-0221	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,096.99	869.65
33 42 31 00-0222	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,830.68	992.44
33 42 31 00-0223	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,663.24	1,126.32
33 42 31 00-0224	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	7,992.10	1,351.15
33 42 31 00-0225	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	9,742.77	1,631.23
33 42 31 00-0226		**Precast Concrete Inlet Boxes** *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0227		**Precast Concrete Inlet Boxes** *(33 42 31 00-0226)*		
33 42 31 00-0228		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)* Note: Yard inlet.		
33 42 31 00-0229		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0228)*		
33 42 31 00-0230	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	919.01	80.12
33 42 31 00-0231	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,079.80	97.29
33 42 31 00-0232	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,240.60	114.46
33 42 31 00-0233	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,402.83	132.34
33 42 31 00-0234		**24" x 24" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0228)*		
33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	223.75	
33 42 31 00-0236	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	367.38	
33 42 31 00-0237	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	522.45	
33 42 31 00-0238	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	677.53	
33 42 31 00-0239	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	832.60	
33 42 31 00-0240	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	987.68	
33 42 31 00-0241		**22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0242		**22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0241)*		
33 42 31 00-0243	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,870.56	224.31
33 42 31 00-0244	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,102.72	259.35
33 42 31 00-0245	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,334.86	294.40
33 42 31 00-0246	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,567.19	329.53
33 42 31 00-0247	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,799.51	364.67
33 42 31 00-0248	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,031.83	399.80
33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,264.16	434.93
33 42 31 00-0250		**22" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0241)*		
33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	437.63	
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	715.04	
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	772.32	
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	991.61	
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,210.89	
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,420.97	
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,653.13	
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,885.27	
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,117.60	
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,349.92	
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,582.24	
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,814.57	
33 42 31 00-0263		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0264		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0263)*		
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,797.02	246.74
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,028.81	285.29
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,260.60	323.84
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,492.58	362.49
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,724.56	401.12
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,956.53	439.77
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	3,188.50	478.42
33 42 31 00-0272		**30" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0263)*		
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	432.78	
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	699.56	
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	757.90	
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	972.02	
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,186.15	
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,399.15	
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,627.85	
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,855.45	
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,084.15	
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,311.73	
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,540.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,769.14	
33 42 31 00-0285		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0286		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0285)*		
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,142.77	269.16
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,415.23	312.90
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,687.69	357.77
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,959.02	401.50
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,231.48	446.37
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,503.93	490.11
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,775.27	533.85
33 42 31 00-0294		**42" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0285)*		
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	479.90	
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	791.57	
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	851.58	
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,095.43	
33 42 31 00-0299	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,339.29	
33 42 31 00-0300	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,583.14	
33 42 31 00-0301	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,842.14	
33 42 31 00-0302	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,101.14	
33 42 31 00-0303	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,360.14	
33 42 31 00-0304	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,619.14	
33 42 31 00-0305	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,878.13	
33 42 31 00-0306	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	3,137.13	
33 42 31 00-0307		**42" x 48" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0285)*		
33 42 31 00-0308	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,212.06	168.23
33 42 31 00-0309		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0310		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0309)*		
33 42 31 00-0311	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,058.89	299.08
33 42 31 00-0312	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,425.31	348.23
33 42 31 00-0313	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,791.72	397.39
33 42 31 00-0314	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,157.76	446.37
33 42 31 00-0315	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,523.82	495.35
33 42 31 00-0316	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,889.88	544.32
33 42 31 00-0317	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box	5,255.94	593.30
33 42 31 00-0318		**48" x 54" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0309)*		
33 42 31 00-0319	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	481.19	
33 42 31 00-0320	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	779.18	
33 42 31 00-0321	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,140.74	
33 42 31 00-0322	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,502.29	
33 42 31 00-0323	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,845.16	
33 42 31 00-0324	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,206.72	
33 42 31 00-0325	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,573.14	
33 42 31 00-0326	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,939.55	
33 42 31 00-0327	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,305.60	
33 42 31 00-0328	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,671.65	
33 42 31 00-0329	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,037.71	
33 42 31 00-0330	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,403.77	
33 42 31 00-0331		**48" x 54" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0309)*		
33 42 31 00-0332	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,317.45	182.24
33 42 31 00-0333		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0334		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0333)*		
33 42 31 00-0335	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,519.07	376.83
33 42 31 00-0336	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,919.93	439.79
33 42 31 00-0337	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,320.79	502.75
33 42 31 00-0338	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,720.95	565.37
33 42 31 00-0339	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,121.12	627.97
33 42 31 00-0340	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,521.29	690.59
33 42 31 00-0341	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,921.45	753.20
33 42 31 00-0342		**48" x 66" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0333)*		
33 42 31 00-0343	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	526.17	
33 42 31 00-0344	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	832.51	
33 42 31 00-0345	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,233.06	
33 42 31 00-0346	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,633.62	
33 42 31 00-0347	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,002.77	
33 42 31 00-0348	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,403.33	
33 42 31 00-0349	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,804.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0350	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,205.05	
33 42 31 00-0351	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,605.21	
33 42 31 00-0352	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,005.37	
33 42 31 00-0353	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,405.55	
33 42 31 00-0354	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,805.71	
33 42 31 00-0355		**48" x 66" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0333)*		
33 42 31 00-0356	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,464.36	204.12
33 42 31 00-0357		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0358		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0357)*		
33 42 31 00-0359	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,399.05	508.04
33 42 31 00-0360	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,905.40	592.16
33 42 31 00-0361	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,411.74	675.16
33 42 31 00-0362	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,916.96	759.27
33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,423.31	842.26
33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,928.52	925.26
33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	7,435.99	1,009.37
33 42 31 00-0366		**42" x 102" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0357)*		
33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	701.49	
33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,091.19	
33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,589.68	
33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,088.17	
33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,554.15	
33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,052.62	
33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,558.98	
33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,065.32	
33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,570.53	
33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,076.89	
33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,582.09	
33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	6,088.45	
33 42 31 00-0379		**42" x 102" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0357)*		
33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	2,009.40	224.31
33 42 31 00-0381		**Frames And Grates For Inlets** *(33 42 31 00-0226)*		
33 42 31 00-0382		**Inlet Frames And Grates** *(33 42 31 00-0381)*		
33 42 31 00-0383	EA	24" x 24", Heavy-Duty Inlet Grate Note: For type A, B, D, or E inlets.	424.49	52.21
33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) Note: For type A, B, D, or E inlets.	551.74	52.21
33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) Note: Includes legend: Dump No Waste "Drains To Waterways".	551.74	52.21
33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT Note: Legend: Dump No Waste "Drains to Waterways"	551.74	52.21
33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	605.00	52.21
33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	443.15	104.41
33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	517.70	104.41
33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	644.47	130.52
33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	548.61	130.52
33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	559.26	130.52
33 42 31 00-0393	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	580.56	130.52
33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	601.86	130.52
33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	580.56	130.52
33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	601.86	130.52
33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	623.17	130.52
33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	900.08	130.52
33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	942.69	130.52
33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	985.29	130.52
33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	665.77	130.52
33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	601.86	130.52
33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	601.86	130.52
33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	1,242.78	130.52
33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	1,242.78	130.52
33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	500.16	143.57
33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	702.52	143.57
33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	702.52	143.57
33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	777.07	143.57
33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM)	894.23	143.57
33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM)	766.42	143.57
33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	1,096.60	143.57
33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	968.79	143.57
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	1,248.43	208.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	2,015.28	208.83
33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	1,216.48	208.83
33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,915.17	208.83
33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	2,043.05	313.24
33 42 31 00-0419	EA	Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084)	2,091.04	417.67
33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	2,294.47	417.67
33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	2,294.47	417.67
33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	2,028.20	417.67
33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	2,028.20	417.67
33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	2,379.68	417.67
33 42 31 00-0425		**Catch Basin Frames And Covers** *(33 42 31 00-0001)*		
33 42 31 00-0426		**Cast Iron Frames And Covers** *(33 42 31 00-0425)*		
33 42 31 00-0427	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	1,211.89	114.46
33 42 31 00-0428	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	1,547.00	129.34
33 42 31 00-0429	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	1,763.72	133.92
33 42 31 00-0430	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	1,992.56	155.66
33 42 31 00-0431	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	2,352.57	177.40
33 42 31 00-0432	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	3,811.62	185.42
33 42 31 00-0433	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	2,043.69	140.78
33 42 31 00-0434	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	2,682.96	162.53
33 42 31 00-0435	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	3,045.88	169.40
33 42 31 00-0436	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	2,870.06	169.40
33 42 31 00-0437	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	2,965.24	176.26
33 42 31 00-0438	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	3,189.34	183.13
33 42 31 00-0439	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	3,853.53	196.86
33 42 31 00-0440		**Stainless Steel Frame And Cover** *(33 42 31 00-0425)*		
33 42 31 00-0441	EA	24" x 24" Stainless Steel Catch Basin Cover With Filter And Access Cover Note: Swalegard Prefilter	9,255.83	196.86
33 42 31 00-0442		**Area Yard Drain** *(33 42 31 00-0001)*		
33 42 31 00-0443		**Ductile Iron Grates** *(33 42 31 00-0442)* Note: Not for traffic loading.		
33 42 31 00-0444	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	162.10	39.87
33 42 31 00-0445	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	197.73	42.54
33 42 31 00-0446	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	452.87	53.17
33 42 31 00-0447	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	541.18	63.80
33 42 31 00-0448		**Concrete Drainage Inlet Structures (CALTRANS)** *(33 42 31 00-0001)*		
33 42 31 00-0449		**Type OS Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0450	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,849.73	
33 42 31 00-0451	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,311.53	
33 42 31 00-0452	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,740.60	
33 42 31 00-0453	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,136.95	
33 42 31 00-0454	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,500.58	
33 42 31 00-0455	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,831.47	
33 42 31 00-0456	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,574.25	
33 42 31 00-0457	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,665.24	
33 42 31 00-0458	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,672.72	
33 42 31 00-0459	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,598.94	
33 42 31 00-0460	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,491.65	
33 42 31 00-0461	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,313.18	
33 42 31 00-0462	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	12,063.53	
33 42 31 00-0463		**Type OL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0464	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,880.48	
33 42 31 00-0465	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,312.36	
33 42 31 00-0466	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,711.53	
33 42 31 00-0467	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,077.95	
33 42 31 00-0468	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,410.51	
33 42 31 00-0469	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,711.49	
33 42 31 00-0470	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,402.49	
33 42 31 00-0471	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,468.11	
33 42 31 00-0472	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,450.18	
33 42 31 00-0473	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,349.85	
33 42 31 00-0474	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,220.64	
33 42 31 00-0475	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,020.25	
33 42 31 00-0476	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,748.67	
33 42 31 00-0477		**Type OL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0478	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,830.38	
33 42 31 00-0479	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,234.94	
33 42 31 00-0480	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,605.64	
33 42 31 00-0481	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,944.74	
33 42 31 00-0482	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,249.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0483	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,522.48	
33 42 31 00-0484	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,230.74	
33 42 31 00-0485	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,269.82	
33 42 31 00-0486	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,227.63	
33 42 31 00-0487	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,101.91	
33 42 31 00-0488	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,949.63	
33 42 31 00-0489	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,727.32	
33 42 31 00-0490	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,432.68	
33 42 31 00-0491		**Type OL-14 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0492	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,184.50	
33 42 31 00-0493	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,548.78	
33 42 31 00-0494	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,880.32	
33 42 31 00-0495	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,179.14	
33 42 31 00-0496	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,445.22	
33 42 31 00-0497	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,678.58	
33 42 31 00-0498	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,404.10	
33 42 31 00-0499	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,407.09	
33 42 31 00-0500	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,327.70	
33 42 31 00-0501	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,165.90	
33 42 31 00-0502	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,983.62	
33 42 31 00-0503	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,729.01	
33 42 31 00-0504	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,403.23	
33 42 31 00-0505		**Type OL-21 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0506	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,933.18	
33 42 31 00-0507	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,217.28	
33 42 31 00-0508	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,468.67	
33 42 31 00-0509	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,687.32	
33 42 31 00-0510	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,872.10	
33 42 31 00-0511	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	10,025.29	
33 42 31 00-0512	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,699.05	
33 42 31 00-0513	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,630.98	
33 42 31 00-0514	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,480.52	
33 42 31 00-0515	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,247.65	
33 42 31 00-0516	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,003.94	
33 42 31 00-0517	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,687.91	
33 42 31 00-0518	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,300.69	
33 42 31 00-0519		**Type GOL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0520	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,709.11	
33 42 31 00-0521	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,185.90	
33 42 31 00-0522	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,625.12	
33 42 31 00-0523	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,026.80	
33 42 31 00-0524	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,392.06	
33 42 31 00-0525	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,720.91	
33 42 31 00-0526	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,558.60	
33 42 31 00-0527	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,745.46	
33 42 31 00-0528	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,839.68	
33 42 31 00-0529	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,840.12	
33 42 31 00-0530	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,810.15	
33 42 31 00-0531	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,700.13	
33 42 31 00-0532	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,508.89	
33 42 31 00-0533		**Type GOL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0534	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,739.86	
33 42 31 00-0535	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,185.58	
33 42 31 00-0536	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,594.89	
33 42 31 00-0537	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,967.79	
33 42 31 00-0538	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,303.13	
33 42 31 00-0539	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,600.94	
33 42 31 00-0540	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,438.62	
33 42 31 00-0541	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,597.84	
33 42 31 00-0542	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,664.43	
33 42 31 00-0543	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,638.39	
33 42 31 00-0544	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,584.49	
33 42 31 00-0545	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,450.52	
33 42 31 00-0546	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,236.50	
33 42 31 00-0547		**Type G-1 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0548	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,920.02	
33 42 31 00-0549	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,295.96	
33 42 31 00-0550	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,644.51	
33 42 31 00-0551	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,967.98	
33 42 31 00-0552	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,266.34	
33 42 31 00-0553	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,537.33	
33 42 31 00-0554		**Type G-2 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0555	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,647.62	
33 42 31 00-0556	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,070.25	
33 42 31 00-0557	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,462.98	
33 42 31 00-0558	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,825.77	
33 42 31 00-0559	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,158.66	
33 42 31 00-0560	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,460.47	
33 42 31 00-0561	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,039.33	
33 42 31 00-0562	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,045.93	
33 42 31 00-0563	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,976.77	
33 42 31 00-0564	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,831.86	
33 42 31 00-0565	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,656.09	
33 42 31 00-0566	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,414.89	
33 42 31 00-0567	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,107.14	
33 42 31 00-0568		**Type G-3 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0569	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,081.71	
33 42 31 00-0570	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,452.46	
33 42 31 00-0571	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,796.98	
33 42 31 00-0572	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,116.39	
33 42 31 00-0573	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,408.43	
33 42 31 00-0574	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,675.37	
33 42 31 00-0575		**Type G-4_24 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0576	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,566.77	
33 42 31 00-0577	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,992.00	
33 42 31 00-0578	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,387.32	
33 42 31 00-0579	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,751.56	
33 42 31 00-0580	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,087.05	
33 42 31 00-0581	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,391.46	
33 42 31 00-0582	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,004.83	
33 42 31 00-0583	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,013.29	
33 42 31 00-0584	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,944.86	
33 42 31 00-0585	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,800.66	
33 42 31 00-0586	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,625.47	
33 42 31 00-0587	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,384.85	
33 42 31 00-0588	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,078.83	
33 42 31 00-0589		**Type G-4_18 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0590	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,647.62	
33 42 31 00-0591	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,070.25	
33 42 31 00-0592	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,462.98	
33 42 31 00-0593	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,825.77	
33 42 31 00-0594	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,158.66	
33 42 31 00-0595	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,460.47	
33 42 31 00-0596	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,039.33	
33 42 31 00-0597	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,045.93	
33 42 31 00-0598	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,976.77	
33 42 31 00-0599	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,831.86	
33 42 31 00-0600	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,656.09	
33 42 31 00-0601	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,414.89	
33 42 31 00-0602	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,107.14	
33 42 31 00-0603		**Type G-5 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0604	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,061.50	
33 42 31 00-0605	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,432.62	
33 42 31 00-0606	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,778.63	
33 42 31 00-0607	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,097.27	
33 42 31 00-0608	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,390.81	
33 42 31 00-0609	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,658.11	
33 42 31 00-0610		**Type G-6 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0611	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,101.92	
33 42 31 00-0612	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,472.31	
33 42 31 00-0613	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,816.45	
33 42 31 00-0614	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,134.37	
33 42 31 00-0615	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,426.05	
33 42 31 00-0616	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,692.62	
33 42 31 00-0617		**Type GT1 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		
33 42 31 00-0618	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,516.68	
33 42 31 00-0619	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,096.32	
33 42 31 00-0620	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,674.98	
33 42 31 00-0621	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,133.03	
33 42 31 00-0622	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,588.98	
33 42 31 00-0623	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,004.83	
33 42 31 00-0624		**Type GT2 Concrete Drainage Inlet Structure** *(33 42 31 00-0448)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0625	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,264.48	
33 42 31 00-0626	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,895.57	
33 42 31 00-0627	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,480.46	
33 42 31 00-0628	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,020.29	
33 42 31 00-0629	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,513.92	
33 42 31 00-0630	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,962.49	
33 42 31 00-0631	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,317.83	
33 42 31 00-0632	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,801.88	
33 42 31 00-0633	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,172.53	
33 42 31 00-0634	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,430.89	
33 42 31 00-0635	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,645.69	
33 42 31 00-0636	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,762.42	
33 42 31 00-0637	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,781.11	

33 42 31 00-0638 Type GT3 Concrete Drainage Inlet Structure *(33 42 31 00-0448)*

33 42 31 00-0639	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,496.47	
33 42 31 00-0640	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,076.47	
33 42 31 00-0641	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,616.38	
33 42 31 00-0642	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,115.06	
33 42 31 00-0643	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,571.36	
33 42 31 00-0644	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,987.57	

33 42 31 00-0645 Type GT4 Concrete Drainage Inlet Structure *(33 42 31 00-0448)*

33 42 31 00-0646	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,405.95	
33 42 31 00-0647	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,032.22	
33 42 31 00-0648	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,613.43	
33 42 31 00-0649	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,148.44	
33 42 31 00-0650	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,638.38	
33 42 31 00-0651	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,083.27	
33 42 31 00-0652	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,335.08	
33 42 31 00-0653	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,818.78	
33 42 31 00-0654	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,189.05	
33 42 31 00-0655	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,445.91	
33 42 31 00-0656	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,660.41	
33 42 31 00-0657	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,776.86	
33 42 31 00-0658	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,795.25	

33 42 31 00-0659 Type GO Concrete Drainage Inlet Structure *(33 42 31 00-0448)*

33 42 31 00-0660	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,506.14	
33 42 31 00-0661	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,913.75	
33 42 31 00-0662	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,292.17	
33 42 31 00-0663	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,641.41	
33 42 31 00-0664	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,961.43	
33 42 31 00-0665	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,253.41	
33 42 31 00-0666	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,849.52	
33 42 31 00-0667	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,826.15	
33 42 31 00-0668	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,727.46	
33 42 31 00-0669	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,555.75	
33 42 31 00-0670	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,355.64	
33 42 31 00-0671	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,090.24	
33 42 31 00-0672	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,761.85	

33 42 31 00-0673 Type GDO Concrete Drainage Inlet Structure *(33 42 31 00-0448)*

33 42 31 00-0674	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,274.15	
33 42 31 00-0675	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,809.96	
33 42 31 00-0676	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,307.57	
33 42 31 00-0677	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,768.11	
33 42 31 00-0678	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,189.31	
33 42 31 00-0679	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,573.44	
33 42 31 00-0680	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,523.28	
33 42 31 00-0681	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,782.03	
33 42 31 00-0682	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,945.27	
33 42 31 00-0683	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,014.12	
33 42 31 00-0684	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,044.88	
33 42 31 00-0685	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,993.05	
33 42 31 00-0686	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	13,858.61	

33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

33 42 33 00-0001 Curb Inlet Frames And Covers *(33 42 33)*

33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,570.97	133.92
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,746.23	155.66
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,861.42	155.66
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	3,132.77	183.13
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	3,091.43	195.72

33 42 36 Stormwater Trench Drains *(33 42)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0001		**Modular Trench Drains** *(33 42 36)* See CSI section 03 31 13 00-0017 for concrete.		
33 42 36 00-0002		**Modular Trench Drains** *(33 42 36 00-0001)* Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
33 42 36 00-0003		**4" Wide, Modular Trench Drains** *(33 42 36 00-0002)*		
33 42 36 00-0004		**4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains** *(33 42 36 00-0003)*		
33 42 36 00-0005		**4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains** *(33 42 36 00-0004)*		
33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	70.88	18.31
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	
33 42 36 00-0007		**Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains** *(33 42 36 00-0004)*		
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	53.87	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	65.32	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	65.32	
33 42 36 00-0011		**6" Wide, Modular Trench Drains** *(33 42 36 00-0002)*		
33 42 36 00-0012		**6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0011)*		
33 42 36 00-0013		**6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0012)*		
33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	223.39	18.31
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	
33 42 36 00-0015		**Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0012)*		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	101.51	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	112.96	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	112.96	
33 42 36 00-0019		**Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0012)*		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.24	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.24	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	930.75	
33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,804.27	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	218.38	
33 42 36 00-0025		**6" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0011)*		
33 42 36 00-0026		**6" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0025)*		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	326.03	18.31
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0028		**Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0025)*		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	110.24	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	121.69	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	121.69	
33 42 36 00-0032		**Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0025)*		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.24	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.24	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	930.75	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,804.27	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.38	
33 42 36 00-0038		**6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0011)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0039		**6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0038)*		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	422.12	18.31
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0041		**Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0038)*		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	180.12	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	191.57	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	191.57	
33 42 36 00-0045		**Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0038)*		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.24	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.24	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	930.75	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,804.27	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	218.38	
33 42 36 00-0051		**6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0011)*		
33 42 36 00-0052		**6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0051)*		
33 42 36 00-0053	LF	6" Wide, Polymer Concrete, Modular Trench Drain	493.36	
33 42 36 00-0054		**Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0051)*		
33 42 36 00-0055	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	195.52	
33 42 36 00-0056	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	238.13	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	75.10	
33 42 36 00-0058		**12" Wide, Modular Trench Drains** *(33 42 36 00-0002)*		
33 42 36 00-0059		**12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0058)*		
33 42 36 00-0060		**12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0059)*		
33 42 36 00-0061	LF	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	421.60	25.18
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0062		**Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0059)*		
33 42 36 00-0063	EA	End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	209.59	
33 42 36 00-0064	EA	No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	224.85	
33 42 36 00-0065	EA	No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	224.85	
33 42 36 00-0066		**Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0059)*		
33 42 36 00-0067	EA	Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	351.04	
33 42 36 00-0068	EA	Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	460.23	
33 42 36 00-0069	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,835.08	
33 42 36 00-0070	EA	Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,582.12	
33 42 36 00-0071	EA	Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	436.76	
33 42 36 00-0072		**12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0058)*		
33 42 36 00-0073		**12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		
33 42 36 00-0074	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	530.79	25.18
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0075		**Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		
33 42 36 00-0076	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.33	
33 42 36 00-0077	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.59	
33 42 36 00-0078	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.59	
33 42 36 00-0079		**Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		
33 42 36 00-0080	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	351.04	
33 42 36 00-0081	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	460.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0082	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,835.08	
33 42 36 00-0083	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,582.12	
33 42 36 00-0084	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	436.76	
33 42 36 00-0085		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0086		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0087	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	749.17	25.18
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0088		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0089	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	545.90	
33 42 36 00-0090	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	561.16	
33 42 36 00-0091	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	561.16	
33 42 36 00-0092		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0093	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	351.04	
33 42 36 00-0094	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	460.23	
33 42 36 00-0095	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,835.08	
33 42 36 00-0096	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,582.12	
33 42 36 00-0097	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	436.76	
33 42 36 00-0098		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0099		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0100	LF	12" Wide, Polymer Concrete, Modular Trench Drain	661.72	
33 42 36 00-0101		Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0102	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	332.69	
33 42 36 00-0103	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	573.28	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	131.99	
33 42 36 00-0105		23" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0106		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0105)*		
33 42 36 00-0107		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0108	LF	23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	591.26	34.34
		For Acid Resistant Coated Frame, Add	*170.34*	
		For Galvanized Frame Assembly, Add	*170.34*	
		For Type 304 Stainless Steel Top Frame, Add	*1,048.22*	
33 42 36 00-0109		Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0110	EA	End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	669.63	
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	975.26	
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	975.26	
33 42 36 00-0113		Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	798.66	
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,637.13	
33 42 36 00-0116	EA	Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	7,131.21	
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	873.52	
33 42 36 00-0118		Modular Trench Drain Grates *(33 42 36 00-0001)*		
33 42 36 00-0119		4" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	45.23	3.44
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	47.56	3.44
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.26	3.44
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.17	3.44
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.26	3.44
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.17	3.44
33 42 36 00-0126		6" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0127	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	215.37	3.44
33 42 36 00-0128	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	182.40	3.44
33 42 36 00-0129	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	191.57	3.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0130	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	167.33	3.44
33 42 36 00-0131	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	180.43	3.44
33 42 36 00-0132	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	182.62	3.44
33 42 36 00-0133	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	182.62	3.44
33 42 36 00-0134	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	180.43	3.44
33 42 36 00-0135	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	158.60	3.44
33 42 36 00-0136	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	158.60	3.44
33 42 36 00-0137	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	168.64	3.44
33 42 36 00-0138	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	168.64	3.44
33 42 36 00-0139	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	219.74	3.44
33 42 36 00-0140	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	219.74	3.44
33 42 36 00-0141	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	403.18	3.44
33 42 36 00-0142	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	403.18	3.44
33 42 36 00-0143	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,123.84	3.44
33 42 36 00-0144	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	149.86	3.44
33 42 36 00-0145	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	324.56	3.44
33 42 36 00-0146		12" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0147	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	595.92	3.72
33 42 36 00-0148	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	569.71	3.72
33 42 36 00-0149	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	495.46	3.72
33 42 36 00-0150	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	520.57	3.72
33 42 36 00-0151	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	449.60	3.72
33 42 36 00-0152	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	880.90	3.72
33 42 36 00-0153	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	880.90	3.72
33 42 36 00-0154	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,124.40	3.72
33 42 36 00-0155	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,124.40	3.72
33 42 36 00-0156	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,435.59	3.72
33 42 36 00-0157	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,435.59	3.72
33 42 36 00-0158	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,362.43	3.72
33 42 36 00-0159	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	642.87	3.72
33 42 36 00-0160		23" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0161	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	941.54	4.00
33 42 36 00-0162	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	793.04	4.00
33 42 36 00-0163	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,229.80	4.00
33 42 36 00-0164	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	910.96	4.00

33 44 Storm Utility Water Drains *(33 40)*

33 44 33 Stormwater Trash and Debris Guards *(33 44)*

33 44 33 00-0001 Storm Water Trash Collection *(33 44 33)*

33 44 33 00-0002 Trash Racks And Debris Cages For Storm Water Structures *(33 44 33 00-0001)*

33 44 33 00-0003 High-Density Polyethylene (HDPE) Structural Trash Rack And Debris Cage *(33 44 33 00-0002)*

33 44 33 00-0004	EA	30" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 24" inside diameter concrete pipe.	2,326.59	141.88
33 44 33 00-0005	EA	44" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 36" inside diameter concrete pipe.	2,742.99	156.07
33 44 33 00-0006	EA	58" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 48" inside diameter concrete pipe.	3,851.99	177.35
33 44 33 00-0007	EA	72" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 60" inside diameter concrete pipe.	4,920.39	212.82
33 44 33 00-0008	SF	Up To 4 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	205.15	21.28
33 44 33 00-0009	SF	>4 To 8 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	146.67	17.73
33 44 33 00-0010	SF	>8 To 12 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	116.66	14.19
33 44 33 00-0011	SF	>12 To 20 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	103.31	12.41
33 44 33 00-0012	SF	>20 To 35 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	97.41	10.64
33 44 33 00-0013	SF	>35 To 55 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	88.16	8.89
33 44 33 00-0014	SF	Up To 4 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	249.35	21.28
33 44 33 00-0015	SF	>4 To 8 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	177.43	17.73
33 44 33 00-0016	SF	>8 To 12 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	141.09	14.19
33 44 33 00-0017	SF	>12 To 20 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	125.00	12.41
33 44 33 00-0018	SF	>20 To 35 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	118.22	10.64
33 44 33 00-0019	SF	>35 To 55 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	107.26	8.89
33 44 33 00-0020		Galvanized Steel Structural Trash Rack And Debris Cage *(33 44 33 00-0002)*		
33 44 33 00-0021	EA	30" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 24" inside diameter concrete pipe.	4,080.18	212.82
33 44 33 00-0022	EA	44" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 36" inside diameter concrete pipe.	5,060.63	236.47
33 44 33 00-0023	EA	58" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 48" inside diameter concrete pipe.	5,769.65	264.84
33 44 33 00-0024	EA	72" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 60" inside diameter concrete pipe.	6,402.32	319.22
33 44 33 00-0025	SF	Up To 4 SF Opening Flat Roof Galvanized Steel Trash Rack	245.86	31.92
33 44 33 00-0026	SF	>4 To 8 SF Opening Flat Roof Galvanized Steel Trash Rack	176.95	26.60
33 44 33 00-0027	SF	>8 To 12 SF Opening Flat Roof Galvanized Steel Trash Rack	140.78	21.28
33 44 33 00-0028	SF	>12 To 20 SF Opening Flat Roof Galvanized Steel Trash Rack	124.60	18.63
33 44 33 00-0029	SF	>20 To 35 SF Opening Flat Roof Galvanized Steel Trash Rack	116.98	15.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 33 00-0030	SF	>35 To 55 SF Opening Flat Roof Galvanized Steel Trash Rack	105.53	13.31

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil/Water Separator *(33 44 36)*

Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	19,697.67
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	24,079.65
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	28,818.84
		For Interior Polyurethane Coating, Add	*1,340.10*

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	30,543.98
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	35,117.81
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	42,863.10
		For Interior Polyurethane Coating, Add	*1,340.10*
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	49,872.17
		For Interior Polyurethane Coating, Add	*1,550.70*
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	66,206.77
		For Interior Polyurethane Coating, Add	*2,057.80*

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,223.30
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,663.00
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	986.53
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	729.47
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	247.48
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,194.52
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,389.03
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,583.65
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	756.15
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	893.25
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,786.51
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,965.08
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,077.48
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,404.42
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,945.59
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,547.95
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,563.34
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,728.68
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,223.93
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,428.83
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,741.59
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,735.56
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,362.43
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,653.76
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,962.24
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	115.68
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	130.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0041		Oil Skimmers *(33 44 36)*		
33 44 36 00-0042		Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*		
33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,282.64	716.76
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,518.44	716.76
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,304.48	716.76
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,606.86	716.76
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,552.28	716.76
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,752.05	716.76
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,603.58	716.76
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,904.88	716.76
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,014.04	955.89
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,266.21	955.89
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,080.63	955.89
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,443.06	955.89
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,651.56	955.89
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,903.73	955.89
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,705.05	955.89
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	7,068.57	955.89
33 44 36 00-0059		Oil Skimmers, Add-Ons *(33 44 36 00-0041)*		
33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	281.00	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	329.03	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001 Gas Distribution Lines *(33 52 16 13)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 52 16 13-0001)*

33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	22.17	3.15
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	25.64	3.46
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	29.60	3.56
33 52 16 13-0006	LF	1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	30.36	3.65
33 52 16 13-0007	LF	1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	31.56	3.69
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	33.41	3.95
33 52 16 13-0009	LF	2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	47.02	4.66
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	58.58	5.87
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	79.43	7.09
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	108.11	8.22
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	136.10	10.03
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	199.08	12.91

33 52 16 13-0015 Gas Line Taps *(33 52 16 13-0001)*

Note: Includes material to tap into main and gas valve.

33 52 16 13-0016 Polyethylene, 60 PSI *(33 52 16 13-0015)*

33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	2,995.54
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	3,702.78
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	3,876.37
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	5,228.82
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	8,137.06

33 52 16 13-0022 Steel, Schedule 40 *(33 52 16 13-0015)*

Note: For punch steel service tee.

33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,914.78
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,964.17
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,032.18
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,098.01
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,147.24
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	3,425.96
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,512.24

33 52 16 13-0030 Protective Pipe And Fitting Wrap *(33 52 16 13-0001)*

Note: Includes cleaning and priming pipe.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0031		**Corrosion Protection Pipe Wrap For Pipe** *(33 52 16 13-0030)*		
		Note: Field applied.		
33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.06	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.27	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.51	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.06	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.42	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.23	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.59	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.42	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	11.89	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	15.79	
33 52 16 13-0042		**Corrosion Resistance Wrap And Coat - Fittings** *(33 52 16 13-0030)*		
		Note: Field applied.		
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	22.24	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	22.24	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	27.43	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	30.94	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	30.94	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	36.64	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	48.89	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	67.23	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	68.06	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	78.38	
33 52 16 13-0053		**Service Fittings** *(33 52 16 13-0001)*		
33 52 16 13-0054		**Brass Fittings** *(33 52 16 13-0053)*		
33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	41.28	
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	48.06	
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	61.16	
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	76.17	
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	85.61	
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	111.97	
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass	35.57	
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass	40.98	
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass	53.42	
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass	69.43	
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass	79.57	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass	107.00	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple	29.44	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple	37.92	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple	49.41	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple	70.40	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple	85.36	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple	115.07	
33 52 16 13-0073		**Anodless Gas Riser** *(33 52 16 13-0053)*		
33 52 16 13-0074	EA	3/4" Anodless Gas Riser	105.20	
33 52 16 13-0075	EA	1" Anodless Gas Riser	130.28	
33 52 16 13-0076	EA	1-1/4" Anodless Gas Riser	153.11	
33 52 16 13-0077	EA	1-1/2" Anodless Gas Riser	192.14	
33 52 16 13-0078	EA	2" Anodless Gas Riser	220.94	
33 52 16 13-0079		**Brass Service Adapter** *(33 52 16 13-0053)*		
33 52 16 13-0080	EA	1/2" Brass Service Adapter	74.37	
33 52 16 13-0081	EA	3/4" Brass Service Adapter	81.83	
33 52 16 13-0082	EA	1" Brass Service Adapter	97.96	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter	116.95	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter	138.46	
33 52 16 13-0085	EA	2" Brass Service Adapter	164.29	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter	270.12	
33 52 16 13-0087	EA	3" Brass Service Adapter	329.49	
33 52 16 13-0088	EA	4" Brass Service Adapter	471.73	
33 52 16 23		**Medium Density Polyethylene Piping for Natural Gas** *(33 52 16)*		
33 52 16 23-0001		**Medium Density Polyethylene (MDPE) Gas Distribution Piping** *(33 52 16 23)*		
		Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.53	1.96
		For Colors, Add	*0.07*	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.06	2.10
		For SDR 13.5, Deduct	*-0.13*	
		For Colors, Add	*0.09*	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.58	2.25
		For SDR 13.5, Deduct	*-0.16*	
		For Colors, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.13	2.39
		For SDR 13.5, Deduct	*-0.20*	
		For Colors, Add	*0.13*	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.10	2.87
		For SDR 13.5, Deduct	*-0.28*	
		For Colors, Add	*0.18*	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.06	3.12
		For SDR 13.5, Deduct	*-0.37*	
		For SDR 15.5, Deduct	*-0.67*	
		For Colors, Add	*0.24*	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	10.30	3.66
		For SDR 13.5, Deduct	*-0.61*	
		For SDR 15.5, Deduct	*-1.12*	
		For Colors, Add	*0.39*	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	12.68	4.35
		For SDR 13.5, Deduct	*-0.83*	
		For SDR 15.5, Deduct	*-1.53*	
		For Colors, Add	*0.54*	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	20.48	4.89
		For SDR 13.5, Deduct	*-1.54*	
		For SDR 15.5, Deduct	*-2.83*	
		For Colors, Add	*0.99*	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	26.08	4.89
		For SDR 13.5, Deduct	*-2.13*	
		For SDR 15.5, Deduct	*-3.92*	
		For Colors, Add	*1.38*	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	31.80	4.89
		For SDR 13.5, Deduct	*-2.73*	
		For SDR 15.5, Deduct	*-5.02*	
		For Colors, Add	*1.76*	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	47.66	6.12
		For SDR 13.5, Deduct	*-4.54*	
		For SDR 15.5, Deduct	*-8.36*	
		For Colors, Add	*2.93*	

33 52 16 26 High-Density Polyethylene (HDPE) Piping for Natural Gas *(33 52 16)*

33 52 16 26-0001 High-Density Polyethylene (HDPE) Gas Distribution Piping *(33 52 16 26)*

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.61	1.96
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.18	2.10
		For SDR 13.5, Deduct	*-0.15*	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.70	2.25
		For SDR 13.5, Deduct	*-0.18*	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.29	2.39
		For SDR 13.5, Deduct	*-0.22*	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	7.32	2.87
		For SDR 13.5, Deduct	*-0.31*	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	8.36	3.12
		For SDR 13.5, Deduct	*-0.40*	
		For SDR 15.5, Deduct	*-0.74*	
		For SDR 17, Deduct	*-1.08*	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	10.80	3.66
		For SDR 13.5, Deduct	*-0.67*	
		For SDR 15.5, Deduct	*-1.23*	
		For SDR 17, Deduct	*-1.79*	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	13.35	4.35
		For SDR 13.5, Deduct	*-0.92*	
		For SDR 15.5, Deduct	*-1.68*	
		For SDR 17, Deduct	*-2.44*	
		For SDR 21, Deduct	*-3.34*	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	21.72	4.89
		For SDR 13.5, Deduct	*-1.69*	
		For SDR 15.5, Deduct	*-3.11*	
		For SDR 17, Deduct	*-4.52*	
		For SDR 21, Deduct	*-6.18*	
33 52 16 26-0011	LF	6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	34.00	4.89
		For SDR 13.5, Deduct	*-3.00*	
		For SDR 15.5, Deduct	*-5.52*	
		For SDR 17, Deduct	*-8.02*	
		For SDR 21, Deduct	*-10.97*	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	51.33	6.12
		For SDR 13.5, Deduct	*-5.00*	
		For SDR 15.5, Deduct	*-9.19*	
		For SDR 17, Deduct	*-13.35*	
		For SDR 21, Deduct	*-18.26*	

33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	254.45	20.76
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	259.17	20.76
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	270.47	24.65
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	906.19	28.53
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	965.77	44.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	2,710.93	99.14
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	3,766.47	131.39

33 56 Hydrocarbon Storage *(33 50)*

33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering *(33 50)*

33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

33 59 11 00-0001 Diaphragm Meters *(33 59 11)*

Note: With standard direct-digital reading maximum working pressures 5 lb to 100 lb, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded	624.22	81.22
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded	1,226.36	124.22
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	1,441.66	124.22
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded	3,149.44	155.27
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	3,562.57	191.11
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	4,687.80	155.27
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	5,218.02	191.11
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	6,888.22	203.05
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	9,746.67	238.88
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	14,888.13	394.16
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 59 16 Hydrocarbons Turbine Meters *(33 59)*

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading *(33 59 16)*

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,944.00	412.60
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	12,788.63	479.16
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	19,785.96	514.37
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	38,466.75	626.18
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	63,471.29	782.72

33 60 Hydronic and Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 13 Prefabricated/Preinsulated Pipe *(33 61 13)*

Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 13-0001 Preinsulated Schedule 40 Black Steel Pipe *(33 61 13 13)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 13-0002 Standard Black Steel Carrier Pipe *(33 61 13 13-0001)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0003	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	192.89	21.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.30*	
		For Schedule 80 Pipe, Add	*32.96*	
33 61 13 13-0004	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	211.56	22.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.62*	
		For Schedule 80 Pipe, Add	*36.25*	
33 61 13 13-0005	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	236.34	24.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.08*	
		For Schedule 80 Pipe, Add	*40.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0006	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	253.09	25.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.38*	
		For Schedule 80 Pipe, Add	*43.82*	
33 61 13 13-0007	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	265.13	27.06
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.58*	
		For Schedule 80 Pipe, Add	*45.81*	
33 61 13 13-0008	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	293.58	33.46
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.98*	
		For Schedule 80 Pipe, Add	*49.79*	
33 61 13 13-0009	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	323.33	40.84
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.38*	
		For Schedule 80 Pipe, Add	*53.78*	
33 61 13 13-0010	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	407.93	52.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.77*	
		For Schedule 80 Pipe, Add	*67.72*	
33 61 13 13-0011	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	518.12	63.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.66*	
		For Schedule 80 Pipe, Add	*86.64*	
33 61 13 13-0012	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	602.40	74.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.06*	
		For Schedule 80 Pipe, Add	*100.58*	
33 61 13 13-0013	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	852.16	90.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.64*	
		For Schedule 80 Pipe, Add	*146.39*	
33 61 13 13-0014	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,109.04	107.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.32*	
		For Schedule 80 Pipe, Add	*193.20*	
33 61 13 13-0015	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,381.05	132.05
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.10*	
		For Schedule 80 Pipe, Add	*241.00*	

33 61 13 13-0016 Standard Black Steel Carrier Pipe *(33 61 13 13-0001)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0017	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	209.38	21.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.63*	
		For Schedule 80 Pipe, Add	*36.26*	
33 61 13 13-0018	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	229.69	22.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.99*	
		For Schedule 80 Pipe, Add	*39.87*	
33 61 13 13-0019	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	256.76	24.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.49*	
		For Schedule 80 Pipe, Add	*44.91*	
33 61 13 13-0020	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	275.00	25.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.82*	
		For Schedule 80 Pipe, Add	*48.20*	
33 61 13 13-0021	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	288.03	27.06
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.04*	
		For Schedule 80 Pipe, Add	*50.39*	
33 61 13 13-0022	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	318.48	33.46
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.48*	
		For Schedule 80 Pipe, Add	*54.77*	
33 61 13 13-0023	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	350.22	40.84
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
		For Schedule 80 Pipe, Add	*59.15*	
33 61 13 13-0024	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	441.79	52.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.45*	
		For Schedule 80 Pipe, Add	*74.49*	
33 61 13 13-0025	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	561.44	63.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.53*	
		For Schedule 80 Pipe, Add	*95.30*	
33 61 13 13-0026	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	652.69	74.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.06*	
		For Schedule 80 Pipe, Add	*110.64*	
33 61 13 13-0027	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	925.36	90.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.10*	
		For Schedule 80 Pipe, Add	*161.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0028	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,205.63	107.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.25*	
		For Schedule 80 Pipe, Add	*212.51*	
33 61 13 13-0029	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,501.55	132.05
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.51*	
		For Schedule 80 Pipe, Add	*265.10*	

33 61 13 13-0030 Standard Black Steel Carrier Pipe *(33 61 13 13-0001)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0031	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	217.62	21.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.79*	
		For Schedule 80 Pipe, Add	*37.91*	
33 61 13 13-0032	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	238.75	22.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.17*	
		For Schedule 80 Pipe, Add	*41.69*	
33 61 13 13-0033	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	266.96	24.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.70*	
		For Schedule 80 Pipe, Add	*46.95*	
33 61 13 13-0034	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	285.95	25.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.04*	
		For Schedule 80 Pipe, Add	*50.39*	
33 61 13 13-0035	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	299.48	27.06
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.27*	
		For Schedule 80 Pipe, Add	*52.68*	
33 61 13 13-0036	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	330.93	33.46
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.73*	
		For Schedule 80 Pipe, Add	*57.26*	
33 61 13 13-0037	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	363.66	40.84
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.18*	
		For Schedule 80 Pipe, Add	*61.84*	
33 61 13 13-0038	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	458.72	52.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
		For Schedule 80 Pipe, Add	*77.88*	
33 61 13 13-0039	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	583.10	63.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.96*	
		For Schedule 80 Pipe, Add	*99.64*	
33 61 13 13-0040	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	677.83	74.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.57*	
		For Schedule 80 Pipe, Add	*115.67*	
33 61 13 13-0041	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	961.95	90.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.83*	
		For Schedule 80 Pipe, Add	*168.35*	
33 61 13 13-0042	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,253.93	107.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.22*	
		For Schedule 80 Pipe, Add	*222.17*	
33 61 13 13-0043	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,561.80	132.05
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.71*	
		For Schedule 80 Pipe, Add	*277.15*	

33 61 13 13-0044 Standard Black Steel Carrier Pipe *(33 61 13 13-0001)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0045	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	229.98	21.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.04*	
		For Schedule 80 Pipe, Add	*40.38*	
33 61 13 13-0046	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	252.35	22.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.44*	
		For Schedule 80 Pipe, Add	*44.41*	
33 61 13 13-0047	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	282.27	24.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
		For Schedule 80 Pipe, Add	*50.02*	
33 61 13 13-0048	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	302.38	25.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
		For Schedule 80 Pipe, Add	*53.68*	
33 61 13 13-0049	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	316.66	27.06
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
		For Schedule 80 Pipe, Add	*56.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0050	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	349.60	33.46
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.10*	
		For Schedule 80 Pipe, Add	*61.00*	
33 61 13 13-0051	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	383.83	40.84
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.59*	
		For Schedule 80 Pipe, Add	*65.88*	
33 61 13 13-0052	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	484.11	52.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.30*	
		For Schedule 80 Pipe, Add	*82.95*	
33 61 13 13-0053	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	615.58	63.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.61*	
		For Schedule 80 Pipe, Add	*106.13*	
33 61 13 13-0054	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	715.55	74.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.32*	
		For Schedule 80 Pipe, Add	*123.21*	
33 61 13 13-0055	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,016.85	90.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.93*	
		For Schedule 80 Pipe, Add	*179.33*	
33 61 13 13-0056	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,326.38	107.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.67*	
		For Schedule 80 Pipe, Add	*236.66*	
33 61 13 13-0057	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,652.17	132.05
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.52*	
		For Schedule 80 Pipe, Add	*295.22*	

33 61 13 13-0058 Preinsulated Black Steel Fittings *(33 61 13 13)*

Note: No excavation or backfill.

33 61 13 13-0059 Elbows *(33 61 13 13-0058)*

33 61 13 13-0060 Elbows *(33 61 13 13-0059)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0061	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,384.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.11*	
33 61 13 13-0062	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,424.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.70*	
33 61 13 13-0063	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,627.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.24*	
33 61 13 13-0064	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,796.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.90*	
33 61 13 13-0065	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,963.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.23*	
33 61 13 13-0066	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,170.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.56*	
33 61 13 13-0067	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,511.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.88*	
33 61 13 13-0068	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,930.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.52*	
33 61 13 13-0069	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,638.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*59.82*	
33 61 13 13-0070	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,076.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*67.94*	
33 61 13 13-0071	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,818.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*98.22*	
33 61 13 13-0072	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,621.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*125.54*	
33 61 13 13-0073	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,922.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*166.16*	

33 61 13 13-0074 Elbows *(33 61 13 13-0059)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0075	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,479.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.99*	
33 61 13 13-0076	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,520.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0077	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,736.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.44*	
33 61 13 13-0078	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,916.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.30*	
33 61 13 13-0079	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,088.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.72*	
33 61 13 13-0080	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,299.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.15*	
33 61 13 13-0081	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,661.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.87*	
33 61 13 13-0082	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,105.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.01*	
33 61 13 13-0083	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,862.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.30*	
33 61 13 13-0084	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,331.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.04*	
33 61 13 13-0085	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,186.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*105.59*	
33 61 13 13-0086	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,092.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*134.96*	
33 61 13 13-0087	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,545.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.62*	

33 61 13 13-0088 Elbows *(33 61 13 13-0059)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0089	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,573.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.87*	
33 61 13 13-0090	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,617.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.55*	
33 61 13 13-0091	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,846.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.63*	
33 61 13 13-0092	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,035.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.69*	
33 61 13 13-0093	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,213.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.22*	
33 61 13 13-0094	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,429.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.75*	
33 61 13 13-0095	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,811.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.86*	
33 61 13 13-0096	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,279.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.50*	
33 61 13 13-0097	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,086.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.79*	
33 61 13 13-0098	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,586.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*78.13*	
33 61 13 13-0099	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,554.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.95*	
33 61 13 13-0100	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,563.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*144.37*	
33 61 13 13-0101	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,168.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*191.08*	

33 61 13 13-0102 Elbows *(33 61 13 13-0059)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0103	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,667.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.76*	
33 61 13 13-0104	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,713.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.48*	
33 61 13 13-0105	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,956.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.82*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0106	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,155.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.08*	
33 61 13 13-0107	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,337.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.71*	
33 61 13 13-0108	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,559.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.34*	
33 61 13 13-0109	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,960.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.85*	
33 61 13 13-0110	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,454.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.99*	
33 61 13 13-0111	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,311.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.28*	
33 61 13 13-0112	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,840.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*83.23*	
33 61 13 13-0113	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,923.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*120.32*	
33 61 13 13-0114	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,033.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*153.79*	
33 61 13 13-0115	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,791.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*203.55*	

33 61 13 13-0116 Tees *(33 61 13 13-0058)*

33 61 13 13-0117 Tees *(33 61 13 13-0116)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0118	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,058.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.29*	
33 61 13 13-0119	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,117.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.16*	
33 61 13 13-0120	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,418.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.43*	
33 61 13 13-0121	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,670.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.38*	
33 61 13 13-0122	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,920.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.35*	
33 61 13 13-0123	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,228.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.32*	
33 61 13 13-0124	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,737.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*59.22*	
33 61 13 13-0125	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,361.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.09*	
33 61 13 13-0126	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,415.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*88.83*	
33 61 13 13-0127	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,064.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*100.89*	
33 61 13 13-0128	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,651.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*145.86*	
33 61 13 13-0129	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,340.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*186.43*	
33 61 13 13-0130	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	14,758.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*246.75*	

33 61 13 13-0131 Tees *(33 61 13 13-0116)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0132	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,198.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.08*	
33 61 13 13-0133	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,260.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.03*	
33 61 13 13-0134	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,581.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0135	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,848.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.93*	
33 61 13 13-0136	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,105.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.05*	
33 61 13 13-0137	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,421.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.17*	
33 61 13 13-0138	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,960.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*63.66*	
33 61 13 13-0139	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,620.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*74.27*	
33 61 13 13-0140	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,748.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*95.49*	
33 61 13 13-0141	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,443.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*108.46*	
33 61 13 13-0142	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,198.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*156.79*	
33 61 13 13-0143	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,039.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*200.41*	
33 61 13 13-0144	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	15,683.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*265.25*	

33 61 13 13-0145 Tees *(33 61 13 13-0116)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0146	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,338.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.88*	
33 61 13 13-0147	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,403.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.89*	
33 61 13 13-0148	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,744.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.94*	
33 61 13 13-0149	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,026.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.48*	
33 61 13 13-0150	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,290.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.75*	
33 61 13 13-0151	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,613.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*59.02*	
33 61 13 13-0152	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,182.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.10*	
33 61 13 13-0153	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,879.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*79.45*	
33 61 13 13-0154	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,081.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*102.15*	
33 61 13 13-0155	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,821.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*116.03*	
33 61 13 13-0156	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,745.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*167.73*	
33 61 13 13-0157	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,738.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*214.40*	
33 61 13 13-0158	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	16,609.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*283.76*	

33 61 13 13-0159 Tees *(33 61 13 13-0116)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0160	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,478.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.68*	
33 61 13 13-0161	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,546.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.75*	
33 61 13 13-0162	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,907.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.20*	
33 61 13 13-0163	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,203.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0164	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,475.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.45*	
33 61 13 13-0165	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,805.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*62.87*	
33 61 13 13-0166	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,404.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*72.54*	
33 61 13 13-0167	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,138.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*84.63*	
33 61 13 13-0168	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,415.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*108.82*	
33 61 13 13-0169	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,199.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*123.59*	
33 61 13 13-0170	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,292.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.67*	
33 61 13 13-0171	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	13,437.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*228.38*	
33 61 13 13-0172	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	17,534.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*302.27*	

33 61 13 13-0173 Reducers *(33 61 13 13-0058)*

33 61 13 13-0174 Reducers *(33 61 13 13-0173)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0175	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,158.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.84*	
33 61 13 13-0176	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,192.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.33*	
33 61 13 13-0177	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,362.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.27*	
33 61 13 13-0178	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,505.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.48*	
33 61 13 13-0179	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,651.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.58*	
33 61 13 13-0180	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,842.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.69*	
33 61 13 13-0181	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,125.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.10*	
33 61 13 13-0182	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,474.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.62*	
33 61 13 13-0183	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,065.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.65*	
33 61 13 13-0184	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,431.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.39*	
33 61 13 13-0185	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,892.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*81.52*	
33 61 13 13-0186	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,420.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*104.20*	
33 61 13 13-0187	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,345.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*137.91*	

33 61 13 13-0188 Reducers *(33 61 13 13-0173)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0189	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,236.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.40*	
33 61 13 13-0190	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,272.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.93*	
33 61 13 13-0191	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,453.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.09*	
33 61 13 13-0192	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,604.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0193	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,754.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.65*	
33 61 13 13-0194	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,949.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.84*	
33 61 13 13-0195	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,249.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.58*	
33 61 13 13-0196	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,619.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.51*	
33 61 13 13-0197	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,251.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.37*	
33 61 13 13-0198	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,642.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.62*	
33 61 13 13-0199	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,198.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*87.64*	
33 61 13 13-0200	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,811.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.02*	
33 61 13 13-0201	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,863.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*148.26*	

33 61 13 13-0202 Reducers *(33 61 13 13-0173)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0203	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,314.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.97*	
33 61 13 13-0204	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,352.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.53*	
33 61 13 13-0205	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,544.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.91*	
33 61 13 13-0206	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,703.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.45*	
33 61 13 13-0207	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,858.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.72*	
33 61 13 13-0208	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,057.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.99*	
33 61 13 13-0209	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,373.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.06*	
33 61 13 13-0210	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,764.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.41*	
33 61 13 13-0211	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,437.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*57.10*	
33 61 13 13-0212	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,854.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.85*	
33 61 13 13-0213	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,504.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*93.75*	
33 61 13 13-0214	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,202.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*119.83*	
33 61 13 13-0215	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,380.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*158.60*	

33 61 13 13-0216 Reducers *(33 61 13 13-0173)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0217	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,393.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.53*	
33 61 13 13-0218	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,432.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.13*	
33 61 13 13-0219	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,635.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.73*	
33 61 13 13-0220	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,803.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.44*	
33 61 13 13-0221	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,961.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0222	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,164.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.14*	
33 61 13 13-0223	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,497.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.55*	
33 61 13 13-0224	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,909.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.30*	
33 61 13 13-0225	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,623.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.82*	
33 61 13 13-0226	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,065.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.08*	
33 61 13 13-0227	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,809.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*99.86*	
33 61 13 13-0228	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,592.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*127.65*	
33 61 13 13-0229	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,897.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*168.94*	

33 61 13 13-0230 Preinsulated Type K Copper Pipe *(33 61 13 13)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 13-0231 Type K Copper Carrier Pipe *(33 61 13 13-0230)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0232	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.53	18.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.43*	
33 61 13 13-0233	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.92	20.24
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 13-0234	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.75	21.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.53*	
33 61 13 13-0235	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.51	22.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 13-0236	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.90	24.10
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 13-0237	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	77.02	29.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 13-0238	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	89.47	36.37
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 13-0239	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	113.44	46.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.88*	
33 61 13 13-0240	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	141.34	56.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.13*	
33 61 13 13-0241	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	165.00	66.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.31*	
33 61 13 13-0242	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	215.49	80.64
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.90*	
33 61 13 13-0243	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	268.79	95.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.51*	
33 61 13 13-0244	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	332.89	117.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.13*	

33 61 13 13-0245 Type K Copper Carrier Pipe *(33 61 13 13-0230)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0246	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.67	18.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 13-0247	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.27	20.24
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 13-0248	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.40	21.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 13-0249	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.36	22.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 13-0250	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.87	24.10
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0251	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	80.26	29.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.71*	
33 61 13 13-0252	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	92.96	36.37
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.77*	
33 61 13 13-0253	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	117.84	46.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.97*	
33 61 13 13-0254	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	146.97	56.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.24*	
33 61 13 13-0255	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	171.53	66.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.44*	
33 61 13 13-0256	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	225.00	80.64
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.09*	
33 61 13 13-0257	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	281.34	95.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.76*	
33 61 13 13-0258	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	348.54	117.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.44*	

33 61 13 13-0259 Type K Copper Carrier Pipe *(33 61 13 13-0230)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0260	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	52.74	18.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 13-0261	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.45	20.24
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.54*	
33 61 13 13-0262	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.73	21.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 13-0263	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.78	22.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 13-0264	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.36	24.10
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 13-0265	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	81.88	29.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 13-0266	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	94.71	36.37
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 13-0267	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	120.04	46.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.01*	
33 61 13 13-0268	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	149.78	56.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.29*	
33 61 13 13-0269	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	174.80	66.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.50*	
33 61 13 13-0270	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	229.76	80.31
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.19*	
33 61 13 13-0271	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	287.61	95.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.89*	
33 61 13 13-0272	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	356.37	117.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.60*	

33 61 13 13-0273 Type K Copper Carrier Pipe *(33 61 13 13-0230)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0274	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.35	18.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 13-0275	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.21	20.24
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 13-0276	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.72	21.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 13-0277	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.92	22.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 13-0278	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	72.59	24.10
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 13-0279	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	84.30	29.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0280	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	97.33	36.37
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.86*	
33 61 13 13-0281	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	123.34	46.33
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.08*	
33 61 13 13-0282	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	154.00	56.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.38*	
33 61 13 13-0283	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	179.70	66.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.60*	
33 61 13 13-0284	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	236.89	80.31
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.33*	
33 61 13 13-0285	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	297.02	95.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.07*	
33 61 13 13-0286	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	368.11	117.62
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.84*	

33 61 13 13-0287 Preinsulated Copper Fittings *(33 61 13 13)*

33 61 13 13-0288 Elbows *(33 61 13 13-0287)*

33 61 13 13-0289 Elbows *(33 61 13 13-0288)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0290	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	356.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 13-0291	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	371.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
33 61 13 13-0292	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	427.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.69*	
33 61 13 13-0293	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	485.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.20*	
33 61 13 13-0294	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	585.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.46*	
33 61 13 13-0295	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	720.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.72*	
33 61 13 13-0296	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	838.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.75*	
33 61 13 13-0297	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	978.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.04*	
33 61 13 13-0298	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,144.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.63*	
33 61 13 13-0299	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,251.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.21*	
33 61 13 13-0300	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,743.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.09*	
33 61 13 13-0301	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,389.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.41*	
33 61 13 13-0302	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,018.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.30*	

33 61 13 13-0303 Elbows *(33 61 13 13-0288)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0304	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	375.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.25*	
33 61 13 13-0305	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	389.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 13-0306	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	448.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.11*	
33 61 13 13-0307	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	508.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.67*	
33 61 13 13-0308	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	610.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.94*	
33 61 13 13-0309	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	745.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0310	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		867.08	
		For High-Density Polyethylene (HDPE) Jacket, Add		*8.33*	
33 61 13 13-0311	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,011.96	
		For High-Density Polyethylene (HDPE) Jacket, Add		*9.72*	
33 61 13 13-0312	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,187.81	
		For High-Density Polyethylene (HDPE) Jacket, Add		*12.50*	
33 61 13 13-0313	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,300.78	
		For High-Density Polyethylene (HDPE) Jacket, Add		*14.20*	
33 61 13 13-0314	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,815.07	
		For High-Density Polyethylene (HDPE) Jacket, Add		*20.53*	
33 61 13 13-0315	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,480.78	
		For High-Density Polyethylene (HDPE) Jacket, Add		*26.24*	
33 61 13 13-0316	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		3,139.78	
		For High-Density Polyethylene (HDPE) Jacket, Add		*34.72*	

33 61 13 13-0317 Elbows *(33 61 13 13-0288)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0318	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		393.30	
		For High-Density Polyethylene (HDPE) Jacket, Add		*5.61*	
33 61 13 13-0319	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		408.61	
		For High-Density Polyethylene (HDPE) Jacket, Add		*5.75*	
33 61 13 13-0320	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		470.30	
		For High-Density Polyethylene (HDPE) Jacket, Add		*6.54*	
33 61 13 13-0321	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		531.88	
		For High-Density Polyethylene (HDPE) Jacket, Add		*7.13*	
33 61 13 13-0322	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		634.39	
		For High-Density Polyethylene (HDPE) Jacket, Add		*7.43*	
33 61 13 13-0323	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		770.75	
		For High-Density Polyethylene (HDPE) Jacket, Add		*7.73*	
33 61 13 13-0324	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		896.16	
		For High-Density Polyethylene (HDPE) Jacket, Add		*8.92*	
33 61 13 13-0325	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,045.88	
		For High-Density Polyethylene (HDPE) Jacket, Add		*10.40*	
33 61 13 13-0326	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,231.41	
		For High-Density Polyethylene (HDPE) Jacket, Add		*13.37*	
33 61 13 13-0327	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,350.59	
		For High-Density Polyethylene (HDPE) Jacket, Add		*15.19*	
33 61 13 13-0328	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,886.50	
		For High-Density Polyethylene (HDPE) Jacket, Add		*21.96*	
33 61 13 13-0329	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,571.81	
		For High-Density Polyethylene (HDPE) Jacket, Add		*28.07*	
33 61 13 13-0330	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		3,261.26	
		For High-Density Polyethylene (HDPE) Jacket, Add		*37.15*	

33 61 13 13-0331 Elbows *(33 61 13 13-0288)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0332	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		411.60	
		For High-Density Polyethylene (HDPE) Jacket, Add		*5.98*	
33 61 13 13-0333	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		427.35	
		For High-Density Polyethylene (HDPE) Jacket, Add		*6.12*	
33 61 13 13-0334	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		491.62	
		For High-Density Polyethylene (HDPE) Jacket, Add		*6.96*	
33 61 13 13-0335	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		555.14	
		For High-Density Polyethylene (HDPE) Jacket, Add		*7.60*	
33 61 13 13-0336	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		658.62	
		For High-Density Polyethylene (HDPE) Jacket, Add		*7.91*	
33 61 13 13-0337	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		795.95	
		For High-Density Polyethylene (HDPE) Jacket, Add		*8.23*	
33 61 13 13-0338	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		925.23	
		For High-Density Polyethylene (HDPE) Jacket, Add		*9.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0339	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,079.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.08*	
33 61 13 13-0340	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,275.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.24*	
33 61 13 13-0341	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,400.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.18*	
33 61 13 13-0342	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,958.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.39*	
33 61 13 13-0343	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,663.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.90*	
33 61 13 13-0344	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,382.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.57*	

33 61 13 13-0345 Tees *(33 61 13 13-0287)*

33 61 13 13-0346 Tees *(33 61 13 13-0345)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0347	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	531.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 13-0348	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	552.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.42*	
33 61 13 13-0349	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	637.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.44*	
33 61 13 13-0350	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	723.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.21*	
33 61 13 13-0351	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	873.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.59*	
33 61 13 13-0352	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,074.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.98*	
33 61 13 13-0353	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,251.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.51*	
33 61 13 13-0354	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,460.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 13-0355	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,710.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.27*	
33 61 13 13-0356	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,867.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.61*	
33 61 13 13-0357	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,599.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.35*	
33 61 13 13-0358	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,567.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.24*	
33 61 13 13-0359	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,503.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.97*	

33 61 13 13-0360 Tees *(33 61 13 13-0345)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0361	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	558.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 13-0362	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	580.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.98*	
33 61 13 13-0363	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	668.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.08*	
33 61 13 13-0364	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	757.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 13-0365	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	909.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.31*	
33 61 13 13-0366	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,112.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.73*	
33 61 13 13-0367	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,294.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.38*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0368	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,510.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.44*	
33 61 13 13-0369	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,775.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.56*	
33 61 13 13-0370	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,941.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.08*	
33 61 13 13-0371	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,705.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.48*	
33 61 13 13-0372	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,703.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.96*	
33 61 13 13-0373	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,683.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.56*	

33 61 13 13-0374 Tees *(33 61 13 13-0345)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0375	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	585.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.34*	
33 61 13 13-0376	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	608.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.53*	
33 61 13 13-0377	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	700.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.71*	
33 61 13 13-0378	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	792.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.59*	
33 61 13 13-0379	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	945.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.03*	
33 61 13 13-0380	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,149.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.47*	
33 61 13 13-0381	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,337.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.24*	
33 61 13 13-0382	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,561.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.45*	
33 61 13 13-0383	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,840.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.86*	
33 61 13 13-0384	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,015.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.56*	
33 61 13 13-0385	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,810.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.61*	
33 61 13 13-0386	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,836.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.68*	
33 61 13 13-0387	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,866.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.16*	

33 61 13 13-0388 Tees *(33 61 13 13-0345)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0389	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	612.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.88*	
33 61 13 13-0390	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	636.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.09*	
33 61 13 13-0391	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	732.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.34*	
33 61 13 13-0392	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	826.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.28*	
33 61 13 13-0393	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	981.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.75*	
33 61 13 13-0394	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,187.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.22*	
33 61 13 13-0395	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,380.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.10*	
33 61 13 13-0396	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,611.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0397	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,904.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.15*	
33 61 13 13-0398	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,088.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.03*	
33 61 13 13-0399	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,917.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.73*	
33 61 13 13-0400	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,972.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.40*	
33 61 13 13-0401	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,046.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.76*	

33 61 13 13-0402 Reducers *(33 61 13 13-0287)*

33 61 13 13-0403 Reducers *(33 61 13 13-0402)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0404	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	303.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.05*	
33 61 13 13-0405	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	316.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.15*	
33 61 13 13-0406	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	365.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.72*	
33 61 13 13-0407	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	415.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.15*	
33 61 13 13-0408	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	504.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.36*	
33 61 13 13-0409	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	633.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.58*	
33 61 13 13-0410	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	730.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.43*	
33 61 13 13-0411	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	848.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.51*	
33 61 13 13-0412	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	989.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.65*	
33 61 13 13-0413	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,080.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.96*	
33 61 13 13-0414	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,502.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.85*	
33 61 13 13-0415	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,065.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.26*	
33 61 13 13-0416	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,601.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.81*	

33 61 13 13-0417 Reducers *(33 61 13 13-0402)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0418	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	319.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.36*	
33 61 13 13-0419	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	332.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.46*	
33 61 13 13-0420	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	382.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.07*	
33 61 13 13-0421	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	434.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 13-0422	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	524.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.76*	
33 61 13 13-0423	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	654.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.99*	
33 61 13 13-0424	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	754.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 13-0425	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	876.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0426	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,025.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.38*	
33 61 13 13-0427	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,121.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.78*	
33 61 13 13-0428	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,561.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.04*	
33 61 13 13-0429	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,141.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.78*	
33 61 13 13-0430	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,702.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.82*	

33 61 13 13-0431 Reducers *(33 61 13 13-0402)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0432	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	334.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 13-0433	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	347.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.77*	
33 61 13 13-0434	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	400.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 13-0435	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	453.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
33 61 13 13-0436	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	544.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 13-0437	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	675.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.41*	
33 61 13 13-0438	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	778.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.40*	
33 61 13 13-0439	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	904.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.63*	
33 61 13 13-0440	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,061.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.10*	
33 61 13 13-0441	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,162.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.61*	
33 61 13 13-0442	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,620.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.22*	
33 61 13 13-0443	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,217.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.29*	
33 61 13 13-0444	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,802.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.83*	

33 61 13 13-0445 Reducers *(33 61 13 13-0402)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0446	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	349.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.96*	
33 61 13 13-0447	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	363.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.08*	
33 61 13 13-0448	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	418.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.78*	
33 61 13 13-0449	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	472.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.31*	
33 61 13 13-0450	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	564.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.57*	
33 61 13 13-0451	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	696.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.83*	
33 61 13 13-0452	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	803.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.88*	
33 61 13 13-0453	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	932.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.20*	
33 61 13 13-0454	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,097.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0455	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,203.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 13-0456	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,680.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.41*	
33 61 13 13-0457	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,293.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.81*	
33 61 13 13-0458	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,903.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.84*	

33 61 13 13-0459 Preinsulated Ductile Iron Carrier Pipe *(33 61 13 13)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 13-0460 Ductile Iron Carrier Pipe *(33 61 13 13-0459)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0461	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	422.86	59.85
33 61 13 13-0462	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	624.03	85.95
33 61 13 13-0463	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	879.93	103.85
33 61 13 13-0464	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,143.31	123.58
33 61 13 13-0465	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,423.42	152.10

33 61 13 13-0466 Ductile Iron Carrier Pipe *(33 61 13 13-0459)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0467	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	461.83	59.90
33 61 13 13-0468	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	681.92	85.95
33 61 13 13-0469	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	964.19	103.85
33 61 13 13-0470	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,254.50	123.58
33 61 13 13-0471	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,562.12	152.11
33 61 13 13-0472	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,721.92	162.30
33 61 13 13-0473	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,967.77	173.89
33 61 13 13-0474	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,246.11	185.48
33 61 13 13-0475	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,493.68	197.07
33 61 13 13-0476	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,010.73	214.46

33 61 13 13-0477 Preinsulated Ductile Iron Fittings *(33 61 13 13)*

33 61 13 13-0478 Elbows *(33 61 13 13-0477)*

33 61 13 13-0479 Elbows *(33 61 13 13-0478)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0480	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,055.22
33 61 13 13-0481	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,718.31
33 61 13 13-0482	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,191.48
33 61 13 13-0483	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,655.32
33 61 13 13-0484	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,937.31

33 61 13 13-0485 Elbows *(33 61 13 13-0478)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0486	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,536.69
33 61 13 13-0487	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,421.40
33 61 13 13-0488	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,207.91
33 61 13 13-0489	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,954.50
33 61 13 13-0490	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,656.83
33 61 13 13-0491	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,170.11
33 61 13 13-0492	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	22,924.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0493	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	28,694.44	
33 61 13 13-0494	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	36,209.17	
33 61 13 13-0495	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	45,837.86	
33 61 13 13-0496		Tees *(33 61 13 13-0477)*		
33 61 13 13-0497		Tees *(33 61 13 13-0496)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0498	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,031.08	
33 61 13 13-0499	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,502.82	
33 61 13 13-0500	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,176.28	
33 61 13 13-0501	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,845.69	
33 61 13 13-0502	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	20,721.11	
33 61 13 13-0503		Tees *(33 61 13 13-0496)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0504	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,746.06	
33 61 13 13-0505	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,546.90	
33 61 13 13-0506	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,685.67	
33 61 13 13-0507	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	17,774.98	
33 61 13 13-0508	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,274.60	
33 61 13 13-0509	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	28,309.65	
33 61 13 13-0510	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	33,860.56	
33 61 13 13-0511	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	42,382.71	
33 61 13 13-0512	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	53,494.37	
33 61 13 13-0513	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	67,692.29	
33 61 13 13-0514		Reducers *(33 61 13 13-0477)*		
33 61 13 13-0515		Reducers *(33 61 13 13-0514)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0516	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,407.90	
33 61 13 13-0517	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,793.98	
33 61 13 13-0518	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,862.63	
33 61 13 13-0519	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,938.61	
33 61 13 13-0520	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,678.50	
33 61 13 13-0521		Reducers *(33 61 13 13-0514)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0522	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,807.52	
33 61 13 13-0523	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,377.54	
33 61 13 13-0524	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,706.25	
33 61 13 13-0525	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,016.92	
33 61 13 13-0526	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,105.70	
33 61 13 13-0527	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,925.30	
33 61 13 13-0528	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,035.11	
33 61 13 13-0529	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,750.72	
33 61 13 13-0530	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	30,074.32	
33 61 13 13-0531	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	38,109.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0532		Tempered Water Piping Pre-Insulated *(33 61 13 13)*		
33 61 13 13-0533		Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 13-0532)*		
33 61 13 13-0534	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	150.19	24.99
33 61 13 13-0535	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	195.80	28.54
33 61 13 13-0536	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	272.80	31.14
33 61 13 13-0537	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	375.85	38.93
33 61 13 13-0538	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	482.17	48.01
33 61 13 13-0539		Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 13-0532)*		
33 61 13 13-0540	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	73.63	28.54
33 61 13 13-0541	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	88.38	28.54
33 61 13 13-0542	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	102.40	28.54
33 61 13 13-0543	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	122.42	33.74
33 61 13 13-0544	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	148.18	42.83
33 61 13 13-0545		Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 13-0532)*		
33 61 13 13-0546	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	73.63	28.54
33 61 13 13-0547	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	88.38	28.54
33 61 13 13-0548	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	101.10	28.54
33 61 13 13-0549	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	122.42	33.74
33 61 13 13-0550	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	148.17	42.83

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission and Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

33 71 19 13-0001		Electrical Handholes And Pull Boxes *(33 71 19 13)*		
33 71 19 13-0002		Electrical Pull Boxes *(33 71 19 13-0001)*		
		See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,619.46	555.39
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	3,171.11	615.61
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,700.95	669.15
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,916.83	802.98
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	6,347.91	802.98
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,845.84	836.44
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	7,889.07	936.81
33 71 19 13-0010	EA	18" x 28" x 34", Electric Pull Boxes, Precast Concrete	2,760.75	615.61
33 71 19 13-0011	EA	14" x 20" x 12", Electric Pull Boxes, Precast Concrete	1,362.56	401.49
33 71 19 13-0012	EA	18" x 28" x 12", Electric Pull Boxes, Precast Concrete	1,735.60	802.98
33 71 19 13-0013	EA	24" x 36" x 12", Electric Pull Boxes, Precast Concrete	2,366.83	936.81
33 71 19 13-0014	EA	24" x 3', Round Electric Pull Boxes, Precast Concrete	1,512.94	234.20
33 71 19 13-0015	EA	30" x 3', Round Electric Pull Boxes, Precast Concrete	1,596.14	250.94
33 71 19 13-0016		Precast Concrete Box Extensions *(33 71 19 13-0001)*		
33 71 19 13-0017	EA	14" x 20" x 12", Precast Concrete Extension	239.29	43.59
33 71 19 13-0018	EA	18" x 28" x 12", Precast Concrete Extension	300.58	55.20
33 71 19 13-0019	EA	24" x 36" x 12", Precast Concrete Extension	391.95	75.55
33 71 19 13-0020	EA	30" x 48" x 12", Precast Concrete Extension	483.03	104.60
33 71 19 13-0021	EA	36" x 60" x 12", Precast Concrete Extension	775.45	127.85
33 71 19 13-0022	EA	36" x 72" x 12", Precast Concrete Extension	1,038.50	145.29
33 71 19 13-0023	EA	48" x 48" x 12", Precast Concrete Extension	1,180.06	133.66
33 71 19 13-0024	EA	48" x 60" x 12", Precast Concrete Extension	1,447.87	156.90
33 71 19 13-0025		Electrical Pull Boxes (CALTRANS) *(33 71 19 13-0001)*		
33 71 19 13-0026	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	142.82	
33 71 19 13-0027	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	57.42	
33 71 19 13-0028	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	88.04	
33 71 19 13-0029	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	187.24	
33 71 19 13-0030	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	290.09	
		For Galvanized Steel Cover, Add	*49.79*	
33 71 19 13-0031	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	72.22	
33 71 19 13-0032	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	72.22	
33 71 19 13-0033	EA	Body, CALTRANS 5 Precast Concrete Pull Box	204.21	
33 71 19 13-0034	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	76.89	
33 71 19 13-0035	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	107.51	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0036	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	385.02	
		For Galvanized Steel Cover, Add	*91.29*	
33 71 19 13-0037	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	102.65	
33 71 19 13-0038	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	95.95	
33 71 19 13-0039	EA	Body, CALTRANS 6 Precast Concrete Pull Box	223.68	
33 71 19 13-0040	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	103.06	
33 71 19 13-0041	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	133.68	
33 71 19 13-0042	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	528.65	
		For Galvanized Steel Cover, Add	*127.80*	
33 71 19 13-0043	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	122.12	
33 71 19 13-0044	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	114.82	
33 71 19 13-0045	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	158.64	
33 71 19 13-0046	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	321.13	
33 71 19 13-0047	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	462.92	
33 71 19 13-0048	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	146.46	
33 71 19 13-0049	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	134.29	
33 71 19 13-0050	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	418.42	
33 71 19 13-0051	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	669.84	
33 71 19 13-0052	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	175.68	
33 71 19 13-0053	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	170.81	
33 71 19 13-0054	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	596.13	
33 71 19 13-0055	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	937.61	
33 71 19 13-0056	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	297.39	
33 71 19 13-0057	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	231.66	

33 71 19 13-0058 Electrical Property Line Boxes *(33 71 19 13)*

33 71 19 13-0059	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	5,638.23	451.67
33 71 19 13-0060	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	6,638.69	468.41
33 71 19 13-0061	EA	6' x 4' x 5' Deep Property Line Box	7,272.93	568.78
33 71 19 13-0062	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	11,142.70	836.44

33 71 19 13-0063 Manhole Accessories *(33 71 19 13)*

33 71 19 13-0064	EA	6" Precast Grade Ring Riser Casting	534.86	155.59
33 71 19 13-0065	EA	12" Precast Grade Ring Riser Casting	579.24	168.56
33 71 19 13-0066	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	2,148.50	259.32
33 71 19 13-0067	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	2,800.08	324.14
33 71 19 13-0068	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	923.07	173.09
33 71 19 13-0069	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	1,167.29	194.48

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

33 71 19 23-0001 Underground Ductbank *(33 71 19 23)*

Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	35.63
33 71 19 23-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	71.28
33 71 19 23-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	73.30
33 71 19 23-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	147.02
33 71 19 23-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	107.87
33 71 19 23-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	216.95
33 71 19 23-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	326.20
33 71 19 23-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	201.60
33 71 19 23-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	402.01
33 71 19 23-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	619.06
33 71 19 23-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	286.59
33 71 19 23-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	575.25
33 71 19 23-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	855.72

33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.35
33 71 19 23-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.36
33 71 19 23-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	35.24
33 71 19 23-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	11.06
33 71 19 23-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.09
33 71 19 23-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	44.86
33 71 19 23-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	14.78
33 71 19 23-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	29.58
33 71 19 23-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	59.20
33 71 19 23-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	88.77
33 71 19 23-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.66
33 71 19 23-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	37.30
33 71 19 23-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	72.19
33 71 19 23-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	102.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	33.17	
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	50.51	
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	101.25	
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	163.73	

33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.28	
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.29	
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	38.84	
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.48	
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.93	
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	45.73	
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	15.13	
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	30.27	
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	60.60	
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	90.86	
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	19.19	
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	38.35	
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	74.30	
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	105.51	
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	33.90	
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	52.02	
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	104.27	
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	168.27	

33 71 19 23-0054 Male Or Female Adapters *(33 71 19 23-0001)*

33 71 19 23-0055	EA	2" Adapter	44.67	
33 71 19 23-0056	EA	3" Adapter	64.39	
33 71 19 23-0057	EA	4" Adapter	83.19	
33 71 19 23-0058	EA	5" Adapter	127.31	
33 71 19 23-0059	EA	6" Adapter	157.46	

33 71 19 23-0060 Underground Electrical Concrete Markers *(33 71 19 23)*

33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker	388.11	

END OF SECTION 33

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 70 Transportation Construction and Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

34 71 13 16-0001 Impact Barrier, Non-Redirective *(34 71 13 16)*

34 71 13 16-0002 Sand Barrel Impact Attenuator *(34 71 13 16-0001)*
Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 Lb. Sand Barrel Note: Includes containers, inserts, and lid.	531.15	53.19

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

34 71 13 26-0001 Resilient Guard Fence And Light Shield *(34 71 13 26)*

34 71 13 26-0002	LF	Resilient Guard Fence And Light Shield, Up To 6' High	89.15	7.41

34 71 13 26-0003 Individual Concrete Guard Rail Posts *(34 71 13 26)*

34 71 13 26-0004	EA	6'-5" Concrete Guard Rail Posts, Round	96.59	7.41
34 71 13 26-0005	EA	6'-5" Concrete Posts, Square	108.00	8.33
34 71 13 26-0006	EA	6'-5" Concrete Posts, Triangular	105.10	8.33

34 71 13 26-0007 Corrugated Beam Guide Rail *(34 71 13 26)*

34 71 13 26-0008 Corrugated Beam Guide Railing *(34 71 13 26-0007)*

34 71 13 26-0009 Corrugated Beam Guide Railing. Straight Sections *(34 71 13 26-0008)*
Note: Add additional length for back-up sections.

34 71 13 26-0010	LF	Corrugated Beam Guide Railing	35.00	2.41
34 71 13 26-0011	LF	Corrugated Beam Guide Railing (Rustic)	38.04	2.41

34 71 13 26-0012 Corrugated Beam Guide Railing, Shop Curved *(34 71 13 26-0008)*
Note: Add additional length for back-up sections.

34 71 13 26-0013	LF	Shop Curved Corrugated Beam Guide Railing	46.92	2.41
34 71 13 26-0014	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	51.11	2.41
34 71 13 26-0015	LF	Shop Curved Corrugated Beam Guide Railing End Note: Treatment for mall barriers driveways, walkways, special end, etc.	126.28	2.41
34 71 13 26-0016	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.	138.15	2.41

34 71 13 26-0017 Corrugated Beam Guide Railing, Manufactured End Sections *(34 71 13 26-0007)*

34 71 13 26-0018	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	242.83	31.81
34 71 13 26-0019	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	259.05	31.81
34 71 13 26-0020	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	340.15	31.81
34 71 13 26-0021	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	356.37	31.81
34 71 13 26-0022	EA	Corrugated Beam Guide Railing 225 Degree End Section	340.15	31.81
34 71 13 26-0023	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	356.37	31.81

34 71 13 26-0024 Corrugated Beam Guide Rail Posts *(34 71 13 26-0007)*
Note: Includes mounting hardware.

34 71 13 26-0025	EA	Standard Post For Corrugated Beam Guide Rail	281.83	16.74
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.46*	
34 71 13 26-0026	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	298.05	16.74
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.46*	
34 71 13 26-0027	EA	Extra Long Post For Corrugated Beam Guide Rail	314.27	16.74
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.46*	
34 71 13 26-0028	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	330.49	16.74
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.46*	
34 71 13 26-0029	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	281.83	16.74
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.46*	
34 71 13 26-0030	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	411.59	16.74
		For Installation In Rock, Add	*4.46*	

34 71 13 26-0031 Corrugated Beam Guide Rail Accessories *(34 71 13 26-0007)*

34 71 13 26-0032	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	210.39	36.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0033		**Timber Guide Rails** *(34 71 13 26)* Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0034		**Timber Guide Rail Posts** *(34 71 13 26-0033)*		
34 71 13 26-0035	EA	6" x 8" Timber Guide Rail Post	117.93	12.05
34 71 13 26-0036	EA	6" x 9" Timber Guide Rail Post	134.91	12.05
34 71 13 26-0037	EA	10" x 10" Timber Guide Rail Post	267.97	12.05
34 71 13 26-0038	EA	10" x 12" Timber Guide Rail Post	283.84	12.05
34 71 13 26-0039	EA	12" x 12" Timber Guide Rail Post	329.07	12.05
34 71 13 26-0040		**Timber Guide Rails** *(34 71 13 26-0033)* Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0041	LF	4" x 9" Timber Guide Rail	14.65	1.45
34 71 13 26-0042	LF	6" x 10" Timber Guide Rail	20.76	1.45
34 71 13 26-0043	LF	6" x 12" Timber Guide Rail	24.34	1.45
34 71 13 26-0044		**Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0033)*		
34 71 13 26-0045	EA	4" x 9" Spacer Block For Timber Guide Rails	19.07	1.93
34 71 13 26-0046	EA	6" x 8" Spacer Block For Timber Guide Rails	22.00	1.93
34 71 13 26-0047	EA	8" x 8" Spacer Block For Timber Guide Rails	25.73	1.93
34 71 13 26-0048		**Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0033)*		
34 71 13 26-0049	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	26.89	1.21
34 71 13 26-0050		**Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0033)*		
34 71 13 26-0051	EA	Weathering Steel Splice Plate For Timber Guide Rails	184.99	16.87
34 71 13 26-0052	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	115.68	12.05
34 71 13 26-0053		**Cable Guide Rail** *(34 71 13 26)*		
34 71 13 26-0054		**Cable Guide Rail** *(34 71 13 26-0053)*		
34 71 13 26-0055	LF	Cable (Each Cable) Note: Includes tensioning. Excludes splices.	17.31	2.60
34 71 13 26-0056	EA	Cable Splice With Wedges	510.68	18.08
34 71 13 26-0057		**Cable Guide Rail Posts** *(34 71 13 26-0053)* Note: Includes hardware for cable mounting.		
34 71 13 26-0058	EA	Standard Post for Cable Guide Rail	317.69	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0059	EA	Standard Post (Rustic) for Cable Guide Rail	333.91	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0060	EA	Extra Long Post for Cable Guide Rail	333.91	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0061	EA	Extra Long Post (Rustic) for Cable Guide Rail	350.13	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0062	EA	Slip Impact Post Top for Anchor Unit	224.39	22.32
34 71 13 26-0063	EA	Slip Impact Post Base and Keeper Plate Note: For anchor unit.	629.88	22.32
34 71 13 26-0064		**Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0053)*		
34 71 13 26-0065	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	873.46	241.51
34 71 13 26-0066	EA	Turnbuckle Cable End Assembly	340.49	12.07
34 71 13 26-0067	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	1,143.36	6.00
34 71 13 26-0068	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	1,175.80	6.00
34 71 13 26-0069	EA	Breakaway Anchor Angle	437.80	12.07
34 71 13 26-0070	EA	Standard End Post Cap Assembly	202.63	6.00
34 71 13 26-0071	EA	Driveway End Post Cap Assembly	170.19	6.00
34 71 13 26-0072	EA	End Post Ground Support Plates	89.10	6.00
34 71 13 26-0073	EA	11" Stud Bolt, Cable Guide Rail	76.93	6.00
34 71 13 26-0074	EA	18" Stud Bolt, Cable Guide Rail	93.15	6.00
34 71 13 26-0075	EA	25" Stud Bolt, Cable Guide Rail	109.37	6.00
34 71 13 26-0076	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	989.26	12.07
34 71 13 26-0077	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	1,054.14	12.07
34 71 13 26-0078	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	697.31	12.07
34 71 13 26-0079	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	429.70	6.00
34 71 13 26-0080	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	437.80	12.07
34 71 13 26-0081	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	462.02	18.08
34 71 13 26-0082		**Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0053)*		
34 71 13 26-0083	EA	Turnbuckle Cable End Assembly Note: For use with slip impact post.	787.16	18.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0084	EA	Spring Cable End Assembly (Compensating Device) Note: For use with slip impact post.	1,565.69	18.64
34 71 13 26-0085	EA	Anchor Angle For Slip Impact Post System	446.55	18.64
34 71 13 26-0086	EA	Cable End Assembly Rod Note: Includes cable end, threaded rod and keeper to anchor angle.	365.46	18.64
34 71 13 26-0087		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0053)* Note: Includes associated hardware.		
34 71 13 26-0088	LF	Retention Existing Cable (Each Cable)	1.61	
34 71 13 26-0089	LF	Removal And Storage Of Cable Guide Railing	9.70	
34 71 13 26-0090	EA	Install Stored Post For Cable Guide Railing	74.40	
34 71 13 26-0091	LF	Install Stored Cable, (Each Cable) Note: Includes retensioning. Excludes splices.	4.29	
34 71 13 26-0092		**6" x 6" Box Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0093		**Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0092)*		
34 71 13 26-0094		**Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0093)*		
34 71 13 26-0095	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	105.40	3.04
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0096	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	120.23	3.04
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0097	LF	Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices	125.70	3.04
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0098		**Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0093)*		
34 71 13 26-0099	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	162.25	3.04
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0100	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	177.08	3.04
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0101	LF	Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices.	193.82	3.04
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0102		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0092)* Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0103	EA	Box Beam End Piece Guide Railing Section Note: Galvanized excludes splices.	1,670.14	36.15
34 71 13 26-0104	EA	Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	1,848.55	36.15
34 71 13 26-0105	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	1,572.82	36.15
34 71 13 26-0106	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	1,637.70	36.15
34 71 13 26-0107	EA	Box Beam Guiderail End Assembly Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.	47,248.81	964.09
34 71 13 26-0108		**Splices For Box Beam Guide Rail** *(34 71 13 26-0092)*		
34 71 13 26-0109	EA	Splice For Box Beam Guide Rail	350.62	53.67
34 71 13 26-0110	EA	Splice For Box Beam Guide Rail (Rustic)	464.16	53.67
34 71 13 26-0111		**Box Beam Guide Rail Posts** *(34 71 13 26-0092)* Note: Includes hardware for box beam mounting.		
34 71 13 26-0112	EA	Standard Post For Box Beam Guide Rail	333.91	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0113	EA	Standard Post (Rustic) for Box Beam Guide Railing	350.13	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0114	EA	Extra Long Post For Box Beam Guide Rail	366.35	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0115	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	382.57	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0116	EA	Type I End Assembly Post	317.69	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0117	EA	Type I End Assembly Post (Rustic)	333.91	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0118	EA	Type II End Assembly Post	301.47	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0119	EA	Type II End Assembly Post (Rustic)	317.69	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0120		**Box Beam Guide Rail Accessories** *(34 71 13 26-0092)*		
34 71 13 26-0121	EA	Box Beam Guide Rail End Cover Plate	209.09	10.84
34 71 13 26-0122	EA	Box Beam Guide Rail End Cover Plate (Rustic)	225.31	10.84
34 71 13 26-0123		**Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0092)*		
		Note: For existing guide rail.		
34 71 13 26-0124	LF	Removal And Storage Of Box Beam Guide Rail And Post	4.76	
34 71 13 26-0125	LF	Reset Box Beam Guide Rail	13.90	
34 71 13 26-0126		**6" x 8" Box Beam Median Barrier** *(34 71 13 26)*		
34 71 13 26-0127		**Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0126)*		
34 71 13 26-0128		**Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0127)*		
34 71 13 26-0129	LF	Box Beam Median Barrier Galvanized Excludes Splices	170.19	10.84
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0130	LF	Box Beam Median Barrier (Rustic) Excludes Splices	185.02	10.84
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0131		**Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0127)*		
34 71 13 26-0132	LF	Shop Curved Box Beam Median Barrier Galvanized	209.16	10.84
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0133	LF	Shop Curved Box Beam Median Barrier Rustic	257.84	10.84
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0134		**Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0126)*		
		Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0135	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	5,546.58	36.15
		Note: Excludes splices and post.		
34 71 13 26-0136	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)	5,676.33	36.15
		Note: Excludes splices and post.		
34 71 13 26-0137	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	5,546.58	36.15
		Note: Excludes splices and post.		
34 71 13 26-0138	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)	5,676.33	36.15
		Note: Excludes splices and post.		
34 71 13 26-0139		**Splices For Box Beam Median Barrier** *(34 71 13 26-0126)*		
34 71 13 26-0140	EA	Splice for Box Beam Median Barrier	395.39	28.93
34 71 13 26-0141	EA	Splice for Box Beam Median Barrier (Rustic)	638.68	28.93
34 71 13 26-0142		**Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0126)*		
		Note: Includes all associated hardware.		
34 71 13 26-0143	EA	Standard Post for Box Beam Median Barrier	333.91	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0144	EA	Standard Post (Rustic) for Box Beam Median Barrier	350.13	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0145	EA	Extra Long Post for Box Beam Median Barrier	366.35	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0146	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	382.57	55.79
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0147	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam	301.47	55.79
		Note: For median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0148	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)	301.47	55.79
		Note: For box beam median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0149	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete	366.35	55.79
		Note: For median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	
34 71 13 26-0150	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier	382.57	55.79
		Note: For Concrete median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0151		**Box Beam Median Barrier Accessories** *(34 71 13 26-0126)*		
34 71 13 26-0152	EA	Box Beam Median Barrier End Cover Plate	241.30	25.45
34 71 13 26-0153	EA	Box Beam Median Barrier End Cover Plate (Rustic)	257.52	25.45
34 71 13 26-0154		**Box Beam Median Barrier Repair, And Resetting** *(34 71 13 26-0126)*		
		Note: For existing guide rail.		
34 71 13 26-0155	LF	Removal And Storage Of Box Beam Median Barrier and Posts	4.92	
34 71 13 26-0156	LF	Reset Box Beam Median Barrier	14.56	
34 71 13 26-0157		**Universal Guide Rail Items** *(34 71 13 26)*		
34 71 13 26-0158		**Guide Rail Concrete Anchor Units For All Types Of Guide Rail** *(34 71 13 26-0157)*		
		Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0159	CY	Guide Rail Concrete Anchor Unit	837.74	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0160	EA	Reset Existing Anchorage Unit for All Types of Guide Rail	552.84	
		Note: Includes excavation and backfill.		
34 71 13 26-0161	EA	Removal Of Guide Rail Concrete Anchor Unit	623.18	
34 71 13 26-0162		**Guide Rail Repair For All Types Of Existing Guide Rail** *(34 71 13 26-0157)*		
		Note: Includes associated hardware.		
34 71 13 26-0163	EA	Straighten And Reset Driven Post For Guide Rail	74.40	
34 71 13 26-0164	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail	97.76	
		Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0165		**Additional Wood and Steel Posts** *(34 71 13 26-0157)*		
34 71 13 26-0166	LF	4" x 6" Wood Post	101.88	18.64
		For Installation In Rock, Add	*4.97*	
34 71 13 26-0167	LF	6" x 8" Wood Post	126.21	18.64
		For Installation In Rock, Add	*4.97*	
34 71 13 26-0168	LF	6" x 7/8" Galvanized Steel Post	70.80	18.64
		For Installation In Rock, Add	*4.97*	
34 71 13 26-0169	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	762.60	18.64
34 71 13 26-0170		**Accessories For All Types of Guide Rail** *(34 71 13 26-0157)*		
34 71 13 26-0171	EA	Reflector For Guard Rail	101.37	
34 71 13 26-0172		**Guide Rail Transitions** *(34 71 13 26)*		
34 71 13 26-0173		**Transition Box Beam Median Barrier To Corrugated Beam Median** *(34 71 13 26-0172)*		
34 71 13 26-0174	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	1,327.60	
34 71 13 26-0175	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate	646.39	
		Note: For making cable connections.		
34 71 13 26-0176		**Transition Box Beam Guide Rail To Cable Guide Rail** *(34 71 13 26-0172)*		
34 71 13 26-0177	EA	Box Beam to Cable Guide Rail U-bolt And Plate	194.39	19.28
34 71 13 26-0178		**Transition Box Beam Median Barrier To Concrete Median Barrier** *(34 71 13 26-0172)*		
34 71 13 26-0179	EA	Box Beam Median Barrier To Concrete Barrier End Connection	1,943.94	
34 71 13 26-0180		**Transition Thrie Beam To Concrete Median Barrier** *(34 71 13 26-0172)*		
34 71 13 26-0181	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	1,132.97	
34 71 13 26-0182	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	1,538.46	
34 71 13 26-0183		**Transition Box Beam Guide Rail To Corrugated Beam** *(34 71 13 26-0172)*		
34 71 13 26-0184	EA	Box Beam To Corrugated Beam Rail Bolted Section	1,295.16	
34 71 13 26-0185	EA	Box Beam To Corrugated Beam Rail Bolted Plate	646.39	
		Note: For making cable connections.		

END OF SECTION 34

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*
Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		990.49	251.24
		For Class 52 Rating, Deduct		*-67.08*	
		For Class 54 Rating, Add		*96.04*	
		For Class 55 Rating, Add		*145.13*	
		For Class 56 Rating, Add		*193.60*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,062.40	255.63
		For Class 52 Rating, Deduct		*-74.26*	
		For Class 54 Rating, Add		*105.91*	
		For Class 55 Rating, Add		*159.84*	
		For Class 56 Rating, Add		*213.09*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,134.30	260.02
		For Class 52 Rating, Deduct		*-81.44*	
		For Class 54 Rating, Add		*115.78*	
		For Class 55 Rating, Add		*174.55*	
		For Class 56 Rating, Add		*232.58*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,206.21	264.42
		For Class 52 Rating, Deduct		*-88.61*	
		For Class 54 Rating, Add		*125.64*	
		For Class 55 Rating, Add		*189.26*	
		For Class 56 Rating, Add		*252.07*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,278.12	268.80
		For Class 52 Rating, Deduct		*-95.79*	
		For Class 54 Rating, Add		*135.51*	
		For Class 55 Rating, Add		*203.97*	
		For Class 56 Rating, Add		*271.56*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,350.02	273.20
		For Class 52 Rating, Deduct		*-102.97*	
		For Class 54 Rating, Add		*145.38*	
		For Class 55 Rating, Add		*218.68*	
		For Class 56 Rating, Add		*291.05*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,421.92	277.59
		For Class 52 Rating, Deduct		*-110.15*	
		For Class 54 Rating, Add		*155.25*	
		For Class 55 Rating, Add		*233.39*	
		For Class 56 Rating, Add		*310.53*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,493.82	281.99
		For Class 52 Rating, Deduct		*-117.32*	
		For Class 54 Rating, Add		*165.11*	
		For Class 55 Rating, Add		*248.10*	
		For Class 56 Rating, Add		*330.02*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,565.74	286.37
		For Class 52 Rating, Deduct		*-124.50*	
		For Class 54 Rating, Add		*174.98*	
		For Class 55 Rating, Add		*262.81*	
		For Class 56 Rating, Add		*349.51*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,637.64	290.77
		For Class 52 Rating, Deduct		*-131.68*	
		For Class 54 Rating, Add		*184.85*	
		For Class 55 Rating, Add		*277.52*	
		For Class 56 Rating, Add		*369.00*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,709.54	295.16
		For Class 52 Rating, Deduct		*-138.86*	
		For Class 54 Rating, Add		*194.72*	
		For Class 55 Rating, Add		*292.23*	
		For Class 56 Rating, Add		*388.49*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,781.45	299.55
		For Class 52 Rating, Deduct		*-146.03*	
		For Class 54 Rating, Add		*204.58*	
		For Class 55 Rating, Add		*306.94*	
		For Class 56 Rating, Add		*407.98*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,853.36	303.94
		For Class 52 Rating, Deduct		*-153.21*	
		For Class 54 Rating, Add		*214.45*	
		For Class 55 Rating, Add		*321.65*	
		For Class 56 Rating, Add		*427.46*	
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,925.26	308.34
		For Class 52 Rating, Deduct		*-160.39*	
		For Class 54 Rating, Add		*224.32*	
		For Class 55 Rating, Add		*336.36*	
		For Class 56 Rating, Add		*446.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,997.16	312.73
		For Class 52 Rating, Deduct	*-167.57*	
		For Class 54 Rating, Add	*234.19*	
		For Class 55 Rating, Add	*351.07*	
		For Class 56 Rating, Add	*466.44*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,069.07	317.12
		For Class 52 Rating, Deduct	*-174.74*	
		For Class 54 Rating, Add	*244.05*	
		For Class 55 Rating, Add	*365.79*	
		For Class 56 Rating, Add	*485.93*	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.97	321.51
		For Class 52 Rating, Deduct	*-181.92*	
		For Class 54 Rating, Add	*253.92*	
		For Class 55 Rating, Add	*380.50*	
		For Class 56 Rating, Add	*505.42*	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,212.88	325.91
		For Class 52 Rating, Deduct	*-189.10*	
		For Class 54 Rating, Add	*263.79*	
		For Class 55 Rating, Add	*395.21*	
		For Class 56 Rating, Add	*524.91*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,284.79	330.30
		For Class 52 Rating, Deduct	*-196.28*	
		For Class 54 Rating, Add	*273.66*	
		For Class 55 Rating, Add	*409.92*	
		For Class 56 Rating, Add	*544.39*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,356.69	334.69
		For Class 52 Rating, Deduct	*-203.45*	
		For Class 54 Rating, Add	*283.52*	
		For Class 55 Rating, Add	*424.63*	
		For Class 56 Rating, Add	*563.88*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,428.58	339.08
		For Class 52 Rating, Deduct	*-210.63*	
		For Class 54 Rating, Add	*293.39*	
		For Class 55 Rating, Add	*439.34*	
		For Class 56 Rating, Add	*583.37*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,500.48	343.48
		For Class 52 Rating, Deduct	*-217.81*	
		For Class 54 Rating, Add	*303.26*	
		For Class 55 Rating, Add	*454.05*	
		For Class 56 Rating, Add	*602.86*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,572.40	347.86
		For Class 52 Rating, Deduct	*-224.99*	
		For Class 54 Rating, Add	*313.12*	
		For Class 55 Rating, Add	*468.76*	
		For Class 56 Rating, Add	*622.34*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,644.30	352.26
		For Class 52 Rating, Deduct	*-232.16*	
		For Class 54 Rating, Add	*322.99*	
		For Class 55 Rating, Add	*483.47*	
		For Class 56 Rating, Add	*641.83*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,716.20	356.65
		For Class 52 Rating, Deduct	*-239.34*	
		For Class 54 Rating, Add	*332.86*	
		For Class 55 Rating, Add	*498.18*	
		For Class 56 Rating, Add	*661.32*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,788.11	361.05
		For Class 52 Rating, Deduct	*-246.52*	
		For Class 54 Rating, Add	*342.72*	
		For Class 55 Rating, Add	*512.89*	
		For Class 56 Rating, Add	*680.81*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,860.02	365.43
		For Class 52 Rating, Deduct	*-253.70*	
		For Class 54 Rating, Add	*352.59*	
		For Class 55 Rating, Add	*527.60*	
		For Class 56 Rating, Add	*700.30*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,931.92	369.83
		For Class 52 Rating, Deduct	*-260.87*	
		For Class 54 Rating, Add	*362.46*	
		For Class 55 Rating, Add	*542.31*	
		For Class 56 Rating, Add	*719.79*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,003.82	374.22
		For Class 52 Rating, Deduct	*-268.05*	
		For Class 54 Rating, Add	*372.33*	
		For Class 55 Rating, Add	*557.02*	
		For Class 56 Rating, Add	*739.27*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,075.73	378.61
		For Class 52 Rating, Deduct	*-275.23*	
		For Class 54 Rating, Add	*382.19*	
		For Class 55 Rating, Add	*571.73*	
		For Class 56 Rating, Add	*758.76*	
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,147.63	383.00
		For Class 52 Rating, Deduct	*-282.41*	
		For Class 54 Rating, Add	*392.06*	
		For Class 55 Rating, Add	*586.44*	
		For Class 56 Rating, Add	*778.25*	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,219.54	387.40
		For Class 52 Rating, Deduct	*-289.58*	
		For Class 54 Rating, Add	*401.93*	
		For Class 55 Rating, Add	*601.15*	
		For Class 56 Rating, Add	*797.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,291.45	391.80
		For Class 52 Rating, Deduct	*-296.76*	
		For Class 54 Rating, Add	*411.80*	
		For Class 55 Rating, Add	*615.86*	
		For Class 56 Rating, Add	*817.23*	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,363.35	396.18
		For Class 52 Rating, Deduct	*-303.94*	
		For Class 54 Rating, Add	*421.66*	
		For Class 55 Rating, Add	*630.57*	
		For Class 56 Rating, Add	*836.72*	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,435.25	400.58
		For Class 52 Rating, Deduct	*-311.12*	
		For Class 54 Rating, Add	*431.53*	
		For Class 55 Rating, Add	*645.28*	
		For Class 56 Rating, Add	*856.20*	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,507.16	404.97
		For Class 52 Rating, Deduct	*-318.29*	
		For Class 54 Rating, Add	*441.40*	
		For Class 55 Rating, Add	*659.99*	
		For Class 56 Rating, Add	*875.69*	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,579.07	409.37
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*451.27*	
		For Class 55 Rating, Add	*674.70*	
		For Class 56 Rating, Add	*895.18*	
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,650.97	413.75
		For Class 52 Rating, Deduct	*-332.65*	
		For Class 54 Rating, Add	*461.13*	
		For Class 55 Rating, Add	*689.41*	
		For Class 56 Rating, Add	*914.67*	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,722.87	418.15
		For Class 52 Rating, Deduct	*-339.83*	
		For Class 54 Rating, Add	*471.00*	
		For Class 55 Rating, Add	*704.12*	
		For Class 56 Rating, Add	*934.16*	

40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0044	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,254.63	316.24
		For Class 52 Rating, Deduct	*-85.30*	
		For Class 54 Rating, Add	*122.07*	
		For Class 55 Rating, Add	*184.43*	
		For Class 56 Rating, Add	*246.01*	
40 05 19 00-0045	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,341.59	320.64
		For Class 52 Rating, Deduct	*-94.13*	
		For Class 54 Rating, Add	*134.20*	
		For Class 55 Rating, Add	*202.50*	
		For Class 56 Rating, Add	*269.94*	
40 05 19 00-0046	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,428.55	325.02
		For Class 52 Rating, Deduct	*-102.97*	
		For Class 54 Rating, Add	*146.32*	
		For Class 55 Rating, Add	*220.57*	
		For Class 56 Rating, Add	*293.87*	
40 05 19 00-0047	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,515.51	329.42
		For Class 52 Rating, Deduct	*-111.80*	
		For Class 54 Rating, Add	*158.45*	
		For Class 55 Rating, Add	*238.63*	
		For Class 56 Rating, Add	*317.80*	
40 05 19 00-0048	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,602.47	333.81
		For Class 52 Rating, Deduct	*-120.64*	
		For Class 54 Rating, Add	*170.57*	
		For Class 55 Rating, Add	*256.70*	
		For Class 56 Rating, Add	*341.73*	
40 05 19 00-0049	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,689.44	338.21
		For Class 52 Rating, Deduct	*-129.47*	
		For Class 54 Rating, Add	*182.70*	
		For Class 55 Rating, Add	*274.77*	
		For Class 56 Rating, Add	*365.66*	
40 05 19 00-0050	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,776.40	342.59
		For Class 52 Rating, Deduct	*-138.30*	
		For Class 54 Rating, Add	*194.83*	
		For Class 55 Rating, Add	*292.84*	
		For Class 56 Rating, Add	*389.59*	
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,863.36	346.99
		For Class 52 Rating, Deduct	*-147.14*	
		For Class 54 Rating, Add	*206.95*	
		For Class 55 Rating, Add	*310.91*	
		For Class 56 Rating, Add	*413.52*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,950.32	351.38
		For Class 52 Rating, Deduct	*-155.97*	
		For Class 54 Rating, Add	*219.08*	
		For Class 55 Rating, Add	*328.97*	
		For Class 56 Rating, Add	*437.45*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,037.28	355.78
		For Class 52 Rating, Deduct	*-164.81*	
		For Class 54 Rating, Add	*231.20*	
		For Class 55 Rating, Add	*347.04*	
		For Class 56 Rating, Add	*461.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,124.25	360.16
		For Class 52 Rating, Deduct	*-173.64*	
		For Class 54 Rating, Add	*243.33*	
		For Class 55 Rating, Add	*365.11*	
		For Class 56 Rating, Add	*485.31*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,211.21	364.56
		For Class 52 Rating, Deduct	*-182.47*	
		For Class 54 Rating, Add	*255.46*	
		For Class 55 Rating, Add	*383.18*	
		For Class 56 Rating, Add	*509.25*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,298.17	368.95
		For Class 52 Rating, Deduct	*-191.31*	
		For Class 54 Rating, Add	*267.58*	
		For Class 55 Rating, Add	*401.25*	
		For Class 56 Rating, Add	*533.17*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,385.13	373.34
		For Class 52 Rating, Deduct	*-200.14*	
		For Class 54 Rating, Add	*279.71*	
		For Class 55 Rating, Add	*419.32*	
		For Class 56 Rating, Add	*557.10*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,472.10	377.73
		For Class 52 Rating, Deduct	*-208.97*	
		For Class 54 Rating, Add	*291.83*	
		For Class 55 Rating, Add	*437.38*	
		For Class 56 Rating, Add	*581.04*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,559.05	382.13
		For Class 52 Rating, Deduct	*-217.81*	
		For Class 54 Rating, Add	*303.96*	
		For Class 55 Rating, Add	*455.45*	
		For Class 56 Rating, Add	*604.96*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,646.02	386.53
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*316.08*	
		For Class 55 Rating, Add	*473.52*	
		For Class 56 Rating, Add	*628.90*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,732.98	390.91
		For Class 52 Rating, Deduct	*-235.48*	
		For Class 54 Rating, Add	*328.21*	
		For Class 55 Rating, Add	*491.59*	
		For Class 56 Rating, Add	*652.83*	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,819.94	395.31
		For Class 52 Rating, Deduct	*-244.31*	
		For Class 54 Rating, Add	*340.34*	
		For Class 55 Rating, Add	*509.66*	
		For Class 56 Rating, Add	*676.76*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,906.91	399.70
		For Class 52 Rating, Deduct	*-253.14*	
		For Class 54 Rating, Add	*352.46*	
		For Class 55 Rating, Add	*527.72*	
		For Class 56 Rating, Add	*700.69*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,993.87	404.09
		For Class 52 Rating, Deduct	*-261.98*	
		For Class 54 Rating, Add	*364.59*	
		For Class 55 Rating, Add	*545.79*	
		For Class 56 Rating, Add	*724.62*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.83	408.48
		For Class 52 Rating, Deduct	*-270.81*	
		For Class 54 Rating, Add	*376.71*	
		For Class 55 Rating, Add	*563.86*	
		For Class 56 Rating, Add	*748.55*	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,167.78	412.88
		For Class 52 Rating, Deduct	*-279.64*	
		For Class 54 Rating, Add	*388.84*	
		For Class 55 Rating, Add	*581.93*	
		For Class 56 Rating, Add	*772.48*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,254.76	417.27
		For Class 52 Rating, Deduct	*-288.48*	
		For Class 54 Rating, Add	*400.97*	
		For Class 55 Rating, Add	*600.00*	
		For Class 56 Rating, Add	*796.41*	
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,341.72	421.66
		For Class 52 Rating, Deduct	*-297.31*	
		For Class 54 Rating, Add	*413.09*	
		For Class 55 Rating, Add	*618.07*	
		For Class 56 Rating, Add	*820.34*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.68	426.05
		For Class 52 Rating, Deduct	*-306.15*	
		For Class 54 Rating, Add	*425.22*	
		For Class 55 Rating, Add	*636.14*	
		For Class 56 Rating, Add	*844.27*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,515.64	430.45
		For Class 52 Rating, Deduct	*-314.98*	
		For Class 54 Rating, Add	*437.34*	
		For Class 55 Rating, Add	*654.20*	
		For Class 56 Rating, Add	*868.20*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,602.60	434.84
		For Class 52 Rating, Deduct	*-323.81*	
		For Class 54 Rating, Add	*449.47*	
		For Class 55 Rating, Add	*672.27*	
		For Class 56 Rating, Add	*892.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,689.57	439.23
		For Class 52 Rating, Deduct	*-332.65*	
		For Class 54 Rating, Add	*461.60*	
		For Class 55 Rating, Add	*690.34*	
		For Class 56 Rating, Add	*916.06*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,776.53	443.62
		For Class 52 Rating, Deduct	*-341.48*	
		For Class 54 Rating, Add	*473.72*	
		For Class 55 Rating, Add	*708.41*	
		For Class 56 Rating, Add	*939.99*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.49	448.02
		For Class 52 Rating, Deduct	*-350.31*	
		For Class 54 Rating, Add	*485.85*	
		For Class 55 Rating, Add	*726.48*	
		For Class 56 Rating, Add	*963.92*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,950.45	452.40
		For Class 52 Rating, Deduct	*-359.15*	
		For Class 54 Rating, Add	*497.97*	
		For Class 55 Rating, Add	*744.54*	
		For Class 56 Rating, Add	*987.85*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,037.41	456.80
		For Class 52 Rating, Deduct	*-367.98*	
		For Class 54 Rating, Add	*510.10*	
		For Class 55 Rating, Add	*762.61*	
		For Class 56 Rating, Add	*1,011.78*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,124.38	461.19
		For Class 52 Rating, Deduct	*-376.82*	
		For Class 54 Rating, Add	*522.23*	
		For Class 55 Rating, Add	*780.68*	
		For Class 56 Rating, Add	*1,035.71*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,211.34	465.59
		For Class 52 Rating, Deduct	*-385.65*	
		For Class 54 Rating, Add	*534.35*	
		For Class 55 Rating, Add	*798.75*	
		For Class 56 Rating, Add	*1,059.64*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,298.30	469.97
		For Class 52 Rating, Deduct	*-394.48*	
		For Class 54 Rating, Add	*546.48*	
		For Class 55 Rating, Add	*816.82*	
		For Class 56 Rating, Add	*1,083.57*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,385.26	474.37
		For Class 52 Rating, Deduct	*-403.32*	
		For Class 54 Rating, Add	*558.60*	
		For Class 55 Rating, Add	*834.89*	
		For Class 56 Rating, Add	*1,107.50*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,472.23	478.76
		For Class 52 Rating, Deduct	*-412.15*	
		For Class 54 Rating, Add	*570.73*	
		For Class 55 Rating, Add	*852.95*	
		For Class 56 Rating, Add	*1,131.43*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,559.19	483.15
		For Class 52 Rating, Deduct	*-420.99*	
		For Class 54 Rating, Add	*582.86*	
		For Class 55 Rating, Add	*871.02*	
		For Class 56 Rating, Add	*1,155.36*	

40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,754.13	404.09
		For Class 52 Rating, Deduct	*-125.61*	
		For Class 54 Rating, Add	*178.63*	
		For Class 55 Rating, Add	*269.33*	
		For Class 56 Rating, Add	*358.89*	
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,871.20	408.48
		For Class 52 Rating, Deduct	*-137.75*	
		For Class 54 Rating, Add	*195.27*	
		For Class 55 Rating, Add	*294.11*	
		For Class 56 Rating, Add	*391.71*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,988.27	412.88
		For Class 52 Rating, Deduct	*-149.90*	
		For Class 54 Rating, Add	*211.91*	
		For Class 55 Rating, Add	*318.90*	
		For Class 56 Rating, Add	*424.52*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,105.37	417.27
		For Class 52 Rating, Deduct	*-162.05*	
		For Class 54 Rating, Add	*228.56*	
		For Class 55 Rating, Add	*343.68*	
		For Class 56 Rating, Add	*457.34*	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,222.44	421.66
		For Class 52 Rating, Deduct	*-174.19*	
		For Class 54 Rating, Add	*245.20*	
		For Class 55 Rating, Add	*368.47*	
		For Class 56 Rating, Add	*490.15*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,339.51	426.05
		For Class 52 Rating, Deduct	*-186.34*	
		For Class 54 Rating, Add	*261.84*	
		For Class 55 Rating, Add	*393.25*	
		For Class 56 Rating, Add	*522.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,456.59	430.45
		For Class 52 Rating, Deduct	*-198.48*	
		For Class 54 Rating, Add	*278.49*	
		For Class 55 Rating, Add	*418.03*	
		For Class 56 Rating, Add	*555.78*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,573.66	434.84
		For Class 52 Rating, Deduct	*-210.63*	
		For Class 54 Rating, Add	*295.13*	
		For Class 55 Rating, Add	*442.82*	
		For Class 56 Rating, Add	*588.59*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,690.75	439.23
		For Class 52 Rating, Deduct	*-222.78*	
		For Class 54 Rating, Add	*311.77*	
		For Class 55 Rating, Add	*467.60*	
		For Class 56 Rating, Add	*621.41*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,807.82	443.62
		For Class 52 Rating, Deduct	*-234.92*	
		For Class 54 Rating, Add	*328.42*	
		For Class 55 Rating, Add	*492.39*	
		For Class 56 Rating, Add	*654.22*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,924.90	448.02
		For Class 52 Rating, Deduct	*-247.07*	
		For Class 54 Rating, Add	*345.06*	
		For Class 55 Rating, Add	*517.17*	
		For Class 56 Rating, Add	*687.03*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,041.97	452.40
		For Class 52 Rating, Deduct	*-259.22*	
		For Class 54 Rating, Add	*361.70*	
		For Class 55 Rating, Add	*541.95*	
		For Class 56 Rating, Add	*719.85*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,159.05	456.80
		For Class 52 Rating, Deduct	*-271.36*	
		For Class 54 Rating, Add	*378.35*	
		For Class 55 Rating, Add	*566.74*	
		For Class 56 Rating, Add	*752.66*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,276.14	461.19
		For Class 52 Rating, Deduct	*-283.51*	
		For Class 54 Rating, Add	*394.99*	
		For Class 55 Rating, Add	*591.52*	
		For Class 56 Rating, Add	*785.48*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,393.21	465.59
		For Class 52 Rating, Deduct	*-295.66*	
		For Class 54 Rating, Add	*411.63*	
		For Class 55 Rating, Add	*616.31*	
		For Class 56 Rating, Add	*818.29*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,510.28	469.97
		For Class 52 Rating, Deduct	*-307.80*	
		For Class 54 Rating, Add	*428.27*	
		For Class 55 Rating, Add	*641.09*	
		For Class 56 Rating, Add	*851.10*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,627.36	474.37
		For Class 52 Rating, Deduct	*-319.95*	
		For Class 54 Rating, Add	*444.92*	
		For Class 55 Rating, Add	*665.87*	
		For Class 56 Rating, Add	*883.92*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,744.45	478.76
		For Class 52 Rating, Deduct	*-332.10*	
		For Class 54 Rating, Add	*461.56*	
		For Class 55 Rating, Add	*690.66*	
		For Class 56 Rating, Add	*916.73*	
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,861.52	483.15
		For Class 52 Rating, Deduct	*-344.24*	
		For Class 54 Rating, Add	*478.21*	
		For Class 55 Rating, Add	*715.44*	
		For Class 56 Rating, Add	*949.55*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,978.59	487.54
		For Class 52 Rating, Deduct	*-356.39*	
		For Class 54 Rating, Add	*494.85*	
		For Class 55 Rating, Add	*740.22*	
		For Class 56 Rating, Add	*982.36*	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,095.68	491.94
		For Class 52 Rating, Deduct	*-368.54*	
		For Class 54 Rating, Add	*511.49*	
		For Class 55 Rating, Add	*765.01*	
		For Class 56 Rating, Add	*1,015.18*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,212.75	496.33
		For Class 52 Rating, Deduct	*-380.68*	
		For Class 54 Rating, Add	*528.14*	
		For Class 55 Rating, Add	*789.79*	
		For Class 56 Rating, Add	*1,047.99*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,329.83	500.72
		For Class 52 Rating, Deduct	*-392.83*	
		For Class 54 Rating, Add	*544.78*	
		For Class 55 Rating, Add	*814.58*	
		For Class 56 Rating, Add	*1,080.80*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,446.90	505.11
		For Class 52 Rating, Deduct	*-404.97*	
		For Class 54 Rating, Add	*561.42*	
		For Class 55 Rating, Add	*839.36*	
		For Class 56 Rating, Add	*1,113.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,563.99	509.51
		For Class 52 Rating, Deduct	*-417.12*	
		For Class 54 Rating, Add	*578.07*	
		For Class 55 Rating, Add	*864.15*	
		For Class 56 Rating, Add	*1,146.43*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,681.06	513.90
		For Class 52 Rating, Deduct	*-429.27*	
		For Class 54 Rating, Add	*594.71*	
		For Class 55 Rating, Add	*888.93*	
		For Class 56 Rating, Add	*1,179.25*	
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.13	518.29
		For Class 52 Rating, Deduct	*-441.41*	
		For Class 54 Rating, Add	*611.35*	
		For Class 55 Rating, Add	*913.71*	
		For Class 56 Rating, Add	*1,212.06*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,915.21	522.68
		For Class 52 Rating, Deduct	*-453.56*	
		For Class 54 Rating, Add	*627.99*	
		For Class 55 Rating, Add	*938.50*	
		For Class 56 Rating, Add	*1,244.87*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,032.30	527.08
		For Class 52 Rating, Deduct	*-465.71*	
		For Class 54 Rating, Add	*644.64*	
		For Class 55 Rating, Add	*963.28*	
		For Class 56 Rating, Add	*1,277.69*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,149.37	531.46
		For Class 52 Rating, Deduct	*-477.85*	
		For Class 54 Rating, Add	*661.28*	
		For Class 55 Rating, Add	*988.06*	
		For Class 56 Rating, Add	*1,310.50*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,266.44	535.86
		For Class 52 Rating, Deduct	*-490.00*	
		For Class 54 Rating, Add	*677.92*	
		For Class 55 Rating, Add	*1,012.85*	
		For Class 56 Rating, Add	*1,343.32*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,383.53	540.25
		For Class 52 Rating, Deduct	*-502.15*	
		For Class 54 Rating, Add	*694.57*	
		For Class 55 Rating, Add	*1,037.63*	
		For Class 56 Rating, Add	*1,376.13*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,500.60	544.65
		For Class 52 Rating, Deduct	*-514.29*	
		For Class 54 Rating, Add	*711.21*	
		For Class 55 Rating, Add	*1,062.42*	
		For Class 56 Rating, Add	*1,408.95*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,617.68	549.03
		For Class 52 Rating, Deduct	*-526.44*	
		For Class 54 Rating, Add	*727.85*	
		For Class 55 Rating, Add	*1,087.20*	
		For Class 56 Rating, Add	*1,441.76*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,734.75	553.43
		For Class 52 Rating, Deduct	*-538.59*	
		For Class 54 Rating, Add	*744.50*	
		For Class 55 Rating, Add	*1,111.98*	
		For Class 56 Rating, Add	*1,474.57*	
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,851.83	557.82
		For Class 52 Rating, Deduct	*-550.73*	
		For Class 54 Rating, Add	*761.14*	
		For Class 55 Rating, Add	*1,136.77*	
		For Class 56 Rating, Add	*1,507.39*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,968.91	562.21
		For Class 52 Rating, Deduct	*-562.88*	
		For Class 54 Rating, Add	*777.78*	
		For Class 55 Rating, Add	*1,161.55*	
		For Class 56 Rating, Add	*1,540.20*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,085.99	566.60
		For Class 52 Rating, Deduct	*-575.03*	
		For Class 54 Rating, Add	*794.43*	
		For Class 55 Rating, Add	*1,186.34*	
		For Class 56 Rating, Add	*1,573.02*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,203.07	571.00
		For Class 52 Rating, Deduct	*-587.17*	
		For Class 54 Rating, Add	*811.07*	
		For Class 55 Rating, Add	*1,211.12*	
		For Class 56 Rating, Add	*1,605.83*	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,210.97	491.94
		For Class 52 Rating, Deduct	*-161.22*	
		For Class 54 Rating, Add	*228.79*	
		For Class 55 Rating, Add	*344.72*	
		For Class 56 Rating, Add	*459.19*	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,363.17	496.33
		For Class 52 Rating, Deduct	*-177.23*	
		For Class 54 Rating, Add	*250.70*	
		For Class 55 Rating, Add	*377.34*	
		For Class 56 Rating, Add	*502.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,515.39	500.72
		For Class 52 Rating, Deduct	*-193.24*	
		For Class 54 Rating, Add	*272.61*	
		For Class 55 Rating, Add	*409.96*	
		For Class 56 Rating, Add	*545.54*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,667.60	505.11
		For Class 52 Rating, Deduct	*-209.25*	
		For Class 54 Rating, Add	*294.53*	
		For Class 55 Rating, Add	*442.58*	
		For Class 56 Rating, Add	*588.72*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,819.81	509.51
		For Class 52 Rating, Deduct	*-225.26*	
		For Class 54 Rating, Add	*316.44*	
		For Class 55 Rating, Add	*475.19*	
		For Class 56 Rating, Add	*631.90*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,972.02	513.90
		For Class 52 Rating, Deduct	*-241.27*	
		For Class 54 Rating, Add	*338.35*	
		For Class 55 Rating, Add	*507.81*	
		For Class 56 Rating, Add	*675.08*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.23	518.29
		For Class 52 Rating, Deduct	*-257.28*	
		For Class 54 Rating, Add	*360.27*	
		For Class 55 Rating, Add	*540.43*	
		For Class 56 Rating, Add	*718.26*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,276.44	522.68
		For Class 52 Rating, Deduct	*-273.30*	
		For Class 54 Rating, Add	*382.18*	
		For Class 55 Rating, Add	*573.05*	
		For Class 56 Rating, Add	*761.44*	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.66	527.08
		For Class 52 Rating, Deduct	*-289.31*	
		For Class 54 Rating, Add	*404.09*	
		For Class 55 Rating, Add	*605.67*	
		For Class 56 Rating, Add	*804.62*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,580.87	531.46
		For Class 52 Rating, Deduct	*-305.32*	
		For Class 54 Rating, Add	*426.01*	
		For Class 55 Rating, Add	*638.29*	
		For Class 56 Rating, Add	*847.80*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,733.07	535.86
		For Class 52 Rating, Deduct	*-321.33*	
		For Class 54 Rating, Add	*447.92*	
		For Class 55 Rating, Add	*670.91*	
		For Class 56 Rating, Add	*890.97*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,885.30	540.25
		For Class 52 Rating, Deduct	*-337.34*	
		For Class 54 Rating, Add	*469.83*	
		For Class 55 Rating, Add	*703.53*	
		For Class 56 Rating, Add	*934.15*	
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,037.51	544.65
		For Class 52 Rating, Deduct	*-353.35*	
		For Class 54 Rating, Add	*491.75*	
		For Class 55 Rating, Add	*736.15*	
		For Class 56 Rating, Add	*977.33*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,189.71	549.03
		For Class 52 Rating, Deduct	*-369.36*	
		For Class 54 Rating, Add	*513.66*	
		For Class 55 Rating, Add	*768.76*	
		For Class 56 Rating, Add	*1,020.51*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,341.92	553.43
		For Class 52 Rating, Deduct	*-385.37*	
		For Class 54 Rating, Add	*535.57*	
		For Class 55 Rating, Add	*801.38*	
		For Class 56 Rating, Add	*1,063.69*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,494.14	557.82
		For Class 52 Rating, Deduct	*-401.39*	
		For Class 54 Rating, Add	*557.49*	
		For Class 55 Rating, Add	*834.00*	
		For Class 56 Rating, Add	*1,106.87*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,646.36	562.21
		For Class 52 Rating, Deduct	*-417.40*	
		For Class 54 Rating, Add	*579.40*	
		For Class 55 Rating, Add	*866.62*	
		For Class 56 Rating, Add	*1,150.05*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.56	566.60
		For Class 52 Rating, Deduct	*-433.41*	
		For Class 54 Rating, Add	*601.31*	
		For Class 55 Rating, Add	*899.24*	
		For Class 56 Rating, Add	*1,193.23*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,950.78	571.00
		For Class 52 Rating, Deduct	*-449.42*	
		For Class 54 Rating, Add	*623.23*	
		For Class 55 Rating, Add	*931.86*	
		For Class 56 Rating, Add	*1,236.41*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,102.99	575.39
		For Class 52 Rating, Deduct	*-465.43*	
		For Class 54 Rating, Add	*645.14*	
		For Class 55 Rating, Add	*964.48*	
		For Class 56 Rating, Add	*1,279.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,255.19	579.78
		For Class 52 Rating, Deduct	*-481.44*	
		For Class 54 Rating, Add	*667.05*	
		For Class 55 Rating, Add	*997.10*	
		For Class 56 Rating, Add	*1,322.76*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,407.41	584.17
		For Class 52 Rating, Deduct	*-497.45*	
		For Class 54 Rating, Add	*688.97*	
		For Class 55 Rating, Add	*1,029.72*	
		For Class 56 Rating, Add	*1,365.94*	
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,559.63	588.57
		For Class 52 Rating, Deduct	*-513.46*	
		For Class 54 Rating, Add	*710.88*	
		For Class 55 Rating, Add	*1,062.34*	
		For Class 56 Rating, Add	*1,409.12*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,711.83	592.96
		For Class 52 Rating, Deduct	*-529.48*	
		For Class 54 Rating, Add	*732.79*	
		For Class 55 Rating, Add	*1,094.95*	
		For Class 56 Rating, Add	*1,452.30*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,864.04	597.35
		For Class 52 Rating, Deduct	*-545.49*	
		For Class 54 Rating, Add	*754.71*	
		For Class 55 Rating, Add	*1,127.57*	
		For Class 56 Rating, Add	*1,495.48*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,016.27	601.74
		For Class 52 Rating, Deduct	*-561.50*	
		For Class 54 Rating, Add	*776.62*	
		For Class 55 Rating, Add	*1,160.19*	
		For Class 56 Rating, Add	*1,538.66*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,168.47	606.14
		For Class 52 Rating, Deduct	*-577.51*	
		For Class 54 Rating, Add	*798.53*	
		For Class 55 Rating, Add	*1,192.81*	
		For Class 56 Rating, Add	*1,581.84*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,320.68	610.52
		For Class 52 Rating, Deduct	*-593.52*	
		For Class 54 Rating, Add	*820.45*	
		For Class 55 Rating, Add	*1,225.43*	
		For Class 56 Rating, Add	*1,625.02*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,472.89	614.92
		For Class 52 Rating, Deduct	*-609.53*	
		For Class 54 Rating, Add	*842.36*	
		For Class 55 Rating, Add	*1,258.05*	
		For Class 56 Rating, Add	*1,668.19*	
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,625.10	619.31
		For Class 52 Rating, Deduct	*-625.54*	
		For Class 54 Rating, Add	*864.27*	
		For Class 55 Rating, Add	*1,290.67*	
		For Class 56 Rating, Add	*1,711.37*	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,777.32	623.71
		For Class 52 Rating, Deduct	*-641.55*	
		For Class 54 Rating, Add	*886.19*	
		For Class 55 Rating, Add	*1,323.29*	
		For Class 56 Rating, Add	*1,754.55*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,927.02	628.09
		For Class 52 Rating, Deduct	*-657.29*	
		For Class 54 Rating, Add	*907.72*	
		For Class 55 Rating, Add	*1,355.35*	
		For Class 56 Rating, Add	*1,796.99*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,081.74	632.49
		For Class 52 Rating, Deduct	*-673.58*	
		For Class 54 Rating, Add	*930.01*	
		For Class 55 Rating, Add	*1,388.52*	
		For Class 56 Rating, Add	*1,840.91*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,233.95	636.88
		For Class 52 Rating, Deduct	*-689.59*	
		For Class 54 Rating, Add	*951.93*	
		For Class 55 Rating, Add	*1,421.14*	
		For Class 56 Rating, Add	*1,884.09*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,386.17	641.27
		For Class 52 Rating, Deduct	*-705.60*	
		For Class 54 Rating, Add	*973.84*	
		For Class 55 Rating, Add	*1,453.76*	
		For Class 56 Rating, Add	*1,927.27*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,538.37	645.66
		For Class 52 Rating, Deduct	*-721.61*	
		For Class 54 Rating, Add	*995.75*	
		For Class 55 Rating, Add	*1,486.38*	
		For Class 56 Rating, Add	*1,970.44*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,690.59	650.06
		For Class 52 Rating, Deduct	*-737.62*	
		For Class 54 Rating, Add	*1,017.67*	
		For Class 55 Rating, Add	*1,519.00*	
		For Class 56 Rating, Add	*2,013.62*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,842.80	654.45
		For Class 52 Rating, Deduct	*-753.63*	
		For Class 54 Rating, Add	*1,039.58*	
		For Class 55 Rating, Add	*1,551.62*	
		For Class 56 Rating, Add	*2,056.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,995.00	658.84
		For Class 52 Rating, Deduct	*-769.64*	
		For Class 54 Rating, Add	*1,061.49*	
		For Class 55 Rating, Add	*1,584.24*	
		For Class 56 Rating, Add	*2,099.98*	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,894.20	614.92
		For Class 52 Rating, Deduct	*-215.88*	
		For Class 54 Rating, Add	*305.56*	
		For Class 55 Rating, Add	*460.00*	
		For Class 56 Rating, Add	*612.48*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,084.06	619.31
		For Class 52 Rating, Deduct	*-236.03*	
		For Class 54 Rating, Add	*333.12*	
		For Class 55 Rating, Add	*501.01*	
		For Class 56 Rating, Add	*666.77*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,273.92	623.71
		For Class 52 Rating, Deduct	*-256.18*	
		For Class 54 Rating, Add	*360.68*	
		For Class 55 Rating, Add	*542.03*	
		For Class 56 Rating, Add	*721.05*	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,463.77	628.09
		For Class 52 Rating, Deduct	*-276.33*	
		For Class 54 Rating, Add	*388.24*	
		For Class 55 Rating, Add	*583.04*	
		For Class 56 Rating, Add	*775.33*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,653.63	632.49
		For Class 52 Rating, Deduct	*-296.48*	
		For Class 54 Rating, Add	*415.80*	
		For Class 55 Rating, Add	*624.05*	
		For Class 56 Rating, Add	*829.62*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,843.48	636.88
		For Class 52 Rating, Deduct	*-316.64*	
		For Class 54 Rating, Add	*443.36*	
		For Class 55 Rating, Add	*665.07*	
		For Class 56 Rating, Add	*883.90*	
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,033.34	641.27
		For Class 52 Rating, Deduct	*-336.79*	
		For Class 54 Rating, Add	*470.92*	
		For Class 55 Rating, Add	*706.08*	
		For Class 56 Rating, Add	*938.18*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,223.19	645.66
		For Class 52 Rating, Deduct	*-356.94*	
		For Class 54 Rating, Add	*498.48*	
		For Class 55 Rating, Add	*747.09*	
		For Class 56 Rating, Add	*992.47*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,413.05	650.06
		For Class 52 Rating, Deduct	*-377.09*	
		For Class 54 Rating, Add	*526.04*	
		For Class 55 Rating, Add	*788.11*	
		For Class 56 Rating, Add	*1,046.75*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,602.90	654.45
		For Class 52 Rating, Deduct	*-397.24*	
		For Class 54 Rating, Add	*553.60*	
		For Class 55 Rating, Add	*829.12*	
		For Class 56 Rating, Add	*1,101.03*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,792.76	658.84
		For Class 52 Rating, Deduct	*-417.40*	
		For Class 54 Rating, Add	*581.16*	
		For Class 55 Rating, Add	*870.14*	
		For Class 56 Rating, Add	*1,155.32*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,982.62	663.23
		For Class 52 Rating, Deduct	*-437.55*	
		For Class 54 Rating, Add	*608.72*	
		For Class 55 Rating, Add	*911.15*	
		For Class 56 Rating, Add	*1,209.60*	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,172.48	667.63
		For Class 52 Rating, Deduct	*-457.70*	
		For Class 54 Rating, Add	*636.28*	
		For Class 55 Rating, Add	*952.16*	
		For Class 56 Rating, Add	*1,263.89*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,362.33	672.02
		For Class 52 Rating, Deduct	*-477.85*	
		For Class 54 Rating, Add	*663.84*	
		For Class 55 Rating, Add	*993.18*	
		For Class 56 Rating, Add	*1,318.17*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,552.18	676.41
		For Class 52 Rating, Deduct	*-498.01*	
		For Class 54 Rating, Add	*691.40*	
		For Class 55 Rating, Add	*1,034.19*	
		For Class 56 Rating, Add	*1,372.45*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,742.04	680.80
		For Class 52 Rating, Deduct	*-518.16*	
		For Class 54 Rating, Add	*718.96*	
		For Class 55 Rating, Add	*1,075.20*	
		For Class 56 Rating, Add	*1,426.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,931.90	685.20
		For Class 52 Rating, Deduct	*-538.31*	
		For Class 54 Rating, Add	*746.52*	
		For Class 55 Rating, Add	*1,116.22*	
		For Class 56 Rating, Add	*1,481.02*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,121.75	689.58
		For Class 52 Rating, Deduct	*-558.46*	
		For Class 54 Rating, Add	*774.08*	
		For Class 55 Rating, Add	*1,157.23*	
		For Class 56 Rating, Add	*1,535.31*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,311.60	693.98
		For Class 52 Rating, Deduct	*-578.61*	
		For Class 54 Rating, Add	*801.64*	
		For Class 55 Rating, Add	*1,198.24*	
		For Class 56 Rating, Add	*1,589.59*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,501.46	698.37
		For Class 52 Rating, Deduct	*-598.77*	
		For Class 54 Rating, Add	*829.20*	
		For Class 55 Rating, Add	*1,239.26*	
		For Class 56 Rating, Add	*1,643.87*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,691.32	702.77
		For Class 52 Rating, Deduct	*-618.92*	
		For Class 54 Rating, Add	*856.76*	
		For Class 55 Rating, Add	*1,280.27*	
		For Class 56 Rating, Add	*1,698.16*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,881.17	707.15
		For Class 52 Rating, Deduct	*-639.07*	
		For Class 54 Rating, Add	*884.32*	
		For Class 55 Rating, Add	*1,321.28*	
		For Class 56 Rating, Add	*1,752.44*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,071.03	711.55
		For Class 52 Rating, Deduct	*-659.22*	
		For Class 54 Rating, Add	*911.88*	
		For Class 55 Rating, Add	*1,362.30*	
		For Class 56 Rating, Add	*1,806.72*	
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,260.89	715.94
		For Class 52 Rating, Deduct	*-679.37*	
		For Class 54 Rating, Add	*939.44*	
		For Class 55 Rating, Add	*1,403.31*	
		For Class 56 Rating, Add	*1,861.01*	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,450.74	720.33
		For Class 52 Rating, Deduct	*-699.53*	
		For Class 54 Rating, Add	*967.00*	
		For Class 55 Rating, Add	*1,444.32*	
		For Class 56 Rating, Add	*1,915.29*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,640.60	724.72
		For Class 52 Rating, Deduct	*-719.68*	
		For Class 54 Rating, Add	*994.56*	
		For Class 55 Rating, Add	*1,485.34*	
		For Class 56 Rating, Add	*1,969.58*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,830.46	729.12
		For Class 52 Rating, Deduct	*-739.83*	
		For Class 54 Rating, Add	*1,022.12*	
		For Class 55 Rating, Add	*1,526.35*	
		For Class 56 Rating, Add	*2,023.86*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,020.31	733.51
		For Class 52 Rating, Deduct	*-759.98*	
		For Class 54 Rating, Add	*1,049.68*	
		For Class 55 Rating, Add	*1,567.36*	
		For Class 56 Rating, Add	*2,078.14*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,210.16	737.90
		For Class 52 Rating, Deduct	*-780.13*	
		For Class 54 Rating, Add	*1,077.24*	
		For Class 55 Rating, Add	*1,608.38*	
		For Class 56 Rating, Add	*2,132.43*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,400.02	742.29
		For Class 52 Rating, Deduct	*-800.29*	
		For Class 54 Rating, Add	*1,104.80*	
		For Class 55 Rating, Add	*1,649.39*	
		For Class 56 Rating, Add	*2,186.71*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,589.88	746.69
		For Class 52 Rating, Deduct	*-820.44*	
		For Class 54 Rating, Add	*1,132.36*	
		For Class 55 Rating, Add	*1,690.40*	
		For Class 56 Rating, Add	*2,240.99*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,779.73	751.08
		For Class 52 Rating, Deduct	*-840.59*	
		For Class 54 Rating, Add	*1,159.92*	
		For Class 55 Rating, Add	*1,731.42*	
		For Class 56 Rating, Add	*2,295.28*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,969.58	755.47
		For Class 52 Rating, Deduct	*-860.74*	
		For Class 54 Rating, Add	*1,187.48*	
		For Class 55 Rating, Add	*1,772.43*	
		For Class 56 Rating, Add	*2,349.56*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,159.44	759.86
		For Class 52 Rating, Deduct	*-880.89*	
		For Class 54 Rating, Add	*1,215.04*	
		For Class 55 Rating, Add	*1,813.44*	
		For Class 56 Rating, Add	*2,403.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,349.30	764.26
		For Class 52 Rating, Deduct	*-901.05*	
		For Class 54 Rating, Add	*1,242.60*	
		For Class 55 Rating, Add	*1,854.46*	
		For Class 56 Rating, Add	*2,458.13*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,539.16	768.65
		For Class 52 Rating, Deduct	*-921.20*	
		For Class 54 Rating, Add	*1,270.16*	
		For Class 55 Rating, Add	*1,895.47*	
		For Class 56 Rating, Add	*2,512.42*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,729.02	773.04
		For Class 52 Rating, Deduct	*-941.35*	
		For Class 54 Rating, Add	*1,297.72*	
		For Class 55 Rating, Add	*1,936.49*	
		For Class 56 Rating, Add	*2,566.70*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,918.87	777.44
		For Class 52 Rating, Deduct	*-961.50*	
		For Class 54 Rating, Add	*1,325.28*	
		For Class 55 Rating, Add	*1,977.50*	
		For Class 56 Rating, Add	*2,620.98*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,108.72	781.83
		For Class 52 Rating, Deduct	*-981.66*	
		For Class 54 Rating, Add	*1,352.84*	
		For Class 55 Rating, Add	*2,018.51*	
		For Class 56 Rating, Add	*2,675.27*	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,866.04	737.90
		For Class 52 Rating, Deduct	*-302.28*	
		For Class 54 Rating, Add	*425.62*	
		For Class 55 Rating, Add	*639.64*	
		For Class 56 Rating, Add	*850.91*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,096.06	742.29
		For Class 52 Rating, Deduct	*-326.85*	
		For Class 54 Rating, Add	*459.20*	
		For Class 55 Rating, Add	*689.61*	
		For Class 56 Rating, Add	*917.04*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,326.07	746.69
		For Class 52 Rating, Deduct	*-351.42*	
		For Class 54 Rating, Add	*492.78*	
		For Class 55 Rating, Add	*739.57*	
		For Class 56 Rating, Add	*983.17*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,556.08	751.08
		For Class 52 Rating, Deduct	*-375.99*	
		For Class 54 Rating, Add	*526.37*	
		For Class 55 Rating, Add	*789.54*	
		For Class 56 Rating, Add	*1,049.30*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,786.08	755.47
		For Class 52 Rating, Deduct	*-400.56*	
		For Class 54 Rating, Add	*559.95*	
		For Class 55 Rating, Add	*839.51*	
		For Class 56 Rating, Add	*1,115.43*	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,016.09	759.86
		For Class 52 Rating, Deduct	*-425.13*	
		For Class 54 Rating, Add	*593.53*	
		For Class 55 Rating, Add	*889.48*	
		For Class 56 Rating, Add	*1,181.56*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,246.11	764.26
		For Class 52 Rating, Deduct	*-449.70*	
		For Class 54 Rating, Add	*627.12*	
		For Class 55 Rating, Add	*939.45*	
		For Class 56 Rating, Add	*1,247.69*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,476.11	768.65
		For Class 52 Rating, Deduct	*-474.26*	
		For Class 54 Rating, Add	*660.70*	
		For Class 55 Rating, Add	*989.41*	
		For Class 56 Rating, Add	*1,313.82*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,706.13	773.04
		For Class 52 Rating, Deduct	*-498.83*	
		For Class 54 Rating, Add	*694.28*	
		For Class 55 Rating, Add	*1,039.38*	
		For Class 56 Rating, Add	*1,379.95*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,936.13	777.44
		For Class 52 Rating, Deduct	*-523.40*	
		For Class 54 Rating, Add	*727.87*	
		For Class 55 Rating, Add	*1,089.35*	
		For Class 56 Rating, Add	*1,446.07*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,166.14	781.83
		For Class 52 Rating, Deduct	*-547.97*	
		For Class 54 Rating, Add	*761.45*	
		For Class 55 Rating, Add	*1,139.32*	
		For Class 56 Rating, Add	*1,512.21*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,396.15	786.22
		For Class 52 Rating, Deduct	*-572.54*	
		For Class 54 Rating, Add	*795.03*	
		For Class 55 Rating, Add	*1,189.28*	
		For Class 56 Rating, Add	*1,578.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,626.16	790.61
		For Class 52 Rating, Deduct	*-597.11*	
		For Class 54 Rating, Add	*828.61*	
		For Class 55 Rating, Add	*1,239.25*	
		For Class 56 Rating, Add	*1,644.46*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,856.17	795.01
		For Class 52 Rating, Deduct	*-621.68*	
		For Class 54 Rating, Add	*862.20*	
		For Class 55 Rating, Add	*1,289.22*	
		For Class 56 Rating, Add	*1,710.59*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,086.17	799.40
		For Class 52 Rating, Deduct	*-646.25*	
		For Class 54 Rating, Add	*895.78*	
		For Class 55 Rating, Add	*1,339.19*	
		For Class 56 Rating, Add	*1,776.72*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,316.20	803.79
		For Class 52 Rating, Deduct	*-670.82*	
		For Class 54 Rating, Add	*929.36*	
		For Class 55 Rating, Add	*1,389.16*	
		For Class 56 Rating, Add	*1,842.85*	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,546.20	808.18
		For Class 52 Rating, Deduct	*-695.38*	
		For Class 54 Rating, Add	*962.95*	
		For Class 55 Rating, Add	*1,439.12*	
		For Class 56 Rating, Add	*1,908.98*	
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,776.21	812.58
		For Class 52 Rating, Deduct	*-719.95*	
		For Class 54 Rating, Add	*996.53*	
		For Class 55 Rating, Add	*1,489.09*	
		For Class 56 Rating, Add	*1,975.11*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,006.21	816.96
		For Class 52 Rating, Deduct	*-744.52*	
		For Class 54 Rating, Add	*1,030.11*	
		For Class 55 Rating, Add	*1,539.06*	
		For Class 56 Rating, Add	*2,041.24*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,236.23	821.36
		For Class 52 Rating, Deduct	*-769.09*	
		For Class 54 Rating, Add	*1,063.70*	
		For Class 55 Rating, Add	*1,589.03*	
		For Class 56 Rating, Add	*2,107.37*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,466.24	825.75
		For Class 52 Rating, Deduct	*-793.66*	
		For Class 54 Rating, Add	*1,097.28*	
		For Class 55 Rating, Add	*1,638.99*	
		For Class 56 Rating, Add	*2,173.50*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,696.24	830.15
		For Class 52 Rating, Deduct	*-818.23*	
		For Class 54 Rating, Add	*1,130.86*	
		For Class 55 Rating, Add	*1,688.96*	
		For Class 56 Rating, Add	*2,239.62*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,926.25	834.53
		For Class 52 Rating, Deduct	*-842.80*	
		For Class 54 Rating, Add	*1,164.44*	
		For Class 55 Rating, Add	*1,738.93*	
		For Class 56 Rating, Add	*2,305.75*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,156.26	838.93
		For Class 52 Rating, Deduct	*-867.37*	
		For Class 54 Rating, Add	*1,198.03*	
		For Class 55 Rating, Add	*1,788.90*	
		For Class 56 Rating, Add	*2,371.88*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,386.27	843.32
		For Class 52 Rating, Deduct	*-891.94*	
		For Class 54 Rating, Add	*1,231.61*	
		For Class 55 Rating, Add	*1,838.87*	
		For Class 56 Rating, Add	*2,438.01*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,616.28	847.71
		For Class 52 Rating, Deduct	*-916.51*	
		For Class 54 Rating, Add	*1,265.19*	
		For Class 55 Rating, Add	*1,888.83*	
		For Class 56 Rating, Add	*2,504.14*	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,846.30	852.10
		For Class 52 Rating, Deduct	*-941.08*	
		For Class 54 Rating, Add	*1,298.78*	
		For Class 55 Rating, Add	*1,938.80*	
		For Class 56 Rating, Add	*2,570.27*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,076.30	856.50
		For Class 52 Rating, Deduct	*-965.64*	
		For Class 54 Rating, Add	*1,332.36*	
		For Class 55 Rating, Add	*1,988.77*	
		For Class 56 Rating, Add	*2,636.40*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,306.31	860.89
		For Class 52 Rating, Deduct	*-990.21*	
		For Class 54 Rating, Add	*1,365.94*	
		For Class 55 Rating, Add	*2,038.74*	
		For Class 56 Rating, Add	*2,702.53*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,536.32	865.28
		For Class 52 Rating, Deduct	*-1,014.78*	
		For Class 54 Rating, Add	*1,399.53*	
		For Class 55 Rating, Add	*2,088.70*	
		For Class 56 Rating, Add	*2,768.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,766.33	869.67
		For Class 52 Rating, Deduct	*-1,039.35*	
		For Class 54 Rating, Add	*1,433.11*	
		For Class 55 Rating, Add	*2,138.67*	
		For Class 56 Rating, Add	*2,834.79*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,996.34	874.07
		For Class 52 Rating, Deduct	*-1,063.92*	
		For Class 54 Rating, Add	*1,466.69*	
		For Class 55 Rating, Add	*2,188.64*	
		For Class 56 Rating, Add	*2,900.92*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,226.34	878.45
		For Class 52 Rating, Deduct	*-1,088.49*	
		For Class 54 Rating, Add	*1,500.27*	
		For Class 55 Rating, Add	*2,238.61*	
		For Class 56 Rating, Add	*2,967.04*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,456.36	882.85
		For Class 52 Rating, Deduct	*-1,113.06*	
		For Class 54 Rating, Add	*1,533.86*	
		For Class 55 Rating, Add	*2,288.58*	
		For Class 56 Rating, Add	*3,033.17*	
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,686.37	887.24
		For Class 52 Rating, Deduct	*-1,137.63*	
		For Class 54 Rating, Add	*1,567.44*	
		For Class 55 Rating, Add	*2,338.54*	
		For Class 56 Rating, Add	*3,099.30*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,916.38	891.64
		For Class 52 Rating, Deduct	*-1,162.20*	
		For Class 54 Rating, Add	*1,601.02*	
		For Class 55 Rating, Add	*2,388.51*	
		For Class 56 Rating, Add	*3,165.43*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,146.38	896.02
		For Class 52 Rating, Deduct	*-1,186.76*	
		For Class 54 Rating, Add	*1,634.61*	
		For Class 55 Rating, Add	*2,438.48*	
		For Class 56 Rating, Add	*3,231.56*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,376.39	900.42
		For Class 52 Rating, Deduct	*-1,211.33*	
		For Class 54 Rating, Add	*1,668.19*	
		For Class 55 Rating, Add	*2,488.45*	
		For Class 56 Rating, Add	*3,297.69*	

40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,535.21	843.32
		For Class 52 Rating, Deduct	*-358.32*	
		For Class 54 Rating, Add	*503.95*	
		For Class 55 Rating, Add	*757.08*	
		For Class 56 Rating, Add	*1,006.95*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,802.87	847.71
		For Class 52 Rating, Deduct	*-387.03*	
		For Class 54 Rating, Add	*543.18*	
		For Class 55 Rating, Add	*815.44*	
		For Class 56 Rating, Add	*1,084.18*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,070.53	852.10
		For Class 52 Rating, Deduct	*-415.74*	
		For Class 54 Rating, Add	*582.41*	
		For Class 55 Rating, Add	*873.81*	
		For Class 56 Rating, Add	*1,161.42*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,338.18	856.50
		For Class 52 Rating, Deduct	*-444.45*	
		For Class 54 Rating, Add	*621.64*	
		For Class 55 Rating, Add	*932.17*	
		For Class 56 Rating, Add	*1,238.65*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,605.82	860.89
		For Class 52 Rating, Deduct	*-473.16*	
		For Class 54 Rating, Add	*660.87*	
		For Class 55 Rating, Add	*990.53*	
		For Class 56 Rating, Add	*1,315.89*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,873.48	865.28
		For Class 52 Rating, Deduct	*-501.87*	
		For Class 54 Rating, Add	*700.10*	
		For Class 55 Rating, Add	*1,048.89*	
		For Class 56 Rating, Add	*1,393.12*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,141.14	869.67
		For Class 52 Rating, Deduct	*-530.58*	
		For Class 54 Rating, Add	*739.33*	
		For Class 55 Rating, Add	*1,107.25*	
		For Class 56 Rating, Add	*1,470.35*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,408.79	874.07
		For Class 52 Rating, Deduct	*-559.29*	
		For Class 54 Rating, Add	*778.56*	
		For Class 55 Rating, Add	*1,165.62*	
		For Class 56 Rating, Add	*1,547.59*	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,676.44	878.45
		For Class 52 Rating, Deduct	*-588.00*	
		For Class 54 Rating, Add	*817.79*	
		For Class 55 Rating, Add	*1,223.98*	
		For Class 56 Rating, Add	*1,624.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,944.10	882.85
		For Class 52 Rating, Deduct	*-616.71*	
		For Class 54 Rating, Add	*857.02*	
		For Class 55 Rating, Add	*1,282.34*	
		For Class 56 Rating, Add	*1,702.06*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,211.75	887.24
		For Class 52 Rating, Deduct	*-645.42*	
		For Class 54 Rating, Add	*896.25*	
		For Class 55 Rating, Add	*1,340.70*	
		For Class 56 Rating, Add	*1,779.29*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,479.40	891.64
		For Class 52 Rating, Deduct	*-674.13*	
		For Class 54 Rating, Add	*935.48*	
		For Class 55 Rating, Add	*1,399.07*	
		For Class 56 Rating, Add	*1,856.52*	
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,747.05	896.02
		For Class 52 Rating, Deduct	*-702.84*	
		For Class 54 Rating, Add	*974.71*	
		For Class 55 Rating, Add	*1,457.43*	
		For Class 56 Rating, Add	*1,933.76*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,014.71	900.42
		For Class 52 Rating, Deduct	*-731.55*	
		For Class 54 Rating, Add	*1,013.94*	
		For Class 55 Rating, Add	*1,515.79*	
		For Class 56 Rating, Add	*2,010.99*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,282.36	904.81
		For Class 52 Rating, Deduct	*-760.26*	
		For Class 54 Rating, Add	*1,053.17*	
		For Class 55 Rating, Add	*1,574.15*	
		For Class 56 Rating, Add	*2,088.23*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,550.02	909.21
		For Class 52 Rating, Deduct	*-788.97*	
		For Class 54 Rating, Add	*1,092.40*	
		For Class 55 Rating, Add	*1,632.52*	
		For Class 56 Rating, Add	*2,165.46*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,817.68	913.59
		For Class 52 Rating, Deduct	*-817.68*	
		For Class 54 Rating, Add	*1,131.63*	
		For Class 55 Rating, Add	*1,690.88*	
		For Class 56 Rating, Add	*2,242.70*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,085.32	917.99
		For Class 52 Rating, Deduct	*-846.39*	
		For Class 54 Rating, Add	*1,170.86*	
		For Class 55 Rating, Add	*1,749.24*	
		For Class 56 Rating, Add	*2,319.93*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,352.97	922.38
		For Class 52 Rating, Deduct	*-875.10*	
		For Class 54 Rating, Add	*1,210.08*	
		For Class 55 Rating, Add	*1,807.60*	
		For Class 56 Rating, Add	*2,397.16*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,620.63	926.77
		For Class 52 Rating, Deduct	*-903.81*	
		For Class 54 Rating, Add	*1,249.31*	
		For Class 55 Rating, Add	*1,865.96*	
		For Class 56 Rating, Add	*2,474.40*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,888.29	931.16
		For Class 52 Rating, Deduct	*-932.52*	
		For Class 54 Rating, Add	*1,288.54*	
		For Class 55 Rating, Add	*1,924.33*	
		For Class 56 Rating, Add	*2,551.63*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,155.94	935.56
		For Class 52 Rating, Deduct	*-961.23*	
		For Class 54 Rating, Add	*1,327.77*	
		For Class 55 Rating, Add	*1,982.69*	
		For Class 56 Rating, Add	*2,628.87*	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,423.59	939.95
		For Class 52 Rating, Deduct	*-989.94*	
		For Class 54 Rating, Add	*1,367.00*	
		For Class 55 Rating, Add	*2,041.05*	
		For Class 56 Rating, Add	*2,706.10*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,691.24	944.34
		For Class 52 Rating, Deduct	*-1,018.65*	
		For Class 54 Rating, Add	*1,406.23*	
		For Class 55 Rating, Add	*2,099.41*	
		For Class 56 Rating, Add	*2,783.33*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,958.90	948.73
		For Class 52 Rating, Deduct	*-1,047.36*	
		For Class 54 Rating, Add	*1,445.46*	
		For Class 55 Rating, Add	*2,157.78*	
		For Class 56 Rating, Add	*2,860.57*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,226.55	953.13
		For Class 52 Rating, Deduct	*-1,076.07*	
		For Class 54 Rating, Add	*1,484.69*	
		For Class 55 Rating, Add	*2,216.14*	
		For Class 56 Rating, Add	*2,937.80*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,494.20	957.52
		For Class 52 Rating, Deduct	*-1,104.78*	
		For Class 54 Rating, Add	*1,523.92*	
		For Class 55 Rating, Add	*2,274.50*	
		For Class 56 Rating, Add	*3,015.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,761.86	961.91
		For Class 52 Rating, Deduct	*-1,133.49*	
		For Class 54 Rating, Add	*1,563.15*	
		For Class 55 Rating, Add	*2,332.86*	
		For Class 56 Rating, Add	*3,092.27*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,029.52	966.30
		For Class 52 Rating, Deduct	*-1,162.20*	
		For Class 54 Rating, Add	*1,602.38*	
		For Class 55 Rating, Add	*2,391.23*	
		For Class 56 Rating, Add	*3,169.51*	
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,297.16	970.70
		For Class 52 Rating, Deduct	*-1,190.91*	
		For Class 54 Rating, Add	*1,641.61*	
		For Class 55 Rating, Add	*2,449.59*	
		For Class 56 Rating, Add	*3,246.74*	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,564.81	975.08
		For Class 52 Rating, Deduct	*-1,219.62*	
		For Class 54 Rating, Add	*1,680.84*	
		For Class 55 Rating, Add	*2,507.95*	
		For Class 56 Rating, Add	*3,323.97*	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,832.47	979.48
		For Class 52 Rating, Deduct	*-1,248.33*	
		For Class 54 Rating, Add	*1,720.07*	
		For Class 55 Rating, Add	*2,566.31*	
		For Class 56 Rating, Add	*3,401.21*	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,100.12	983.87
		For Class 52 Rating, Deduct	*-1,277.04*	
		For Class 54 Rating, Add	*1,759.30*	
		For Class 55 Rating, Add	*2,624.68*	
		For Class 56 Rating, Add	*3,478.44*	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,367.78	988.27
		For Class 52 Rating, Deduct	*-1,305.75*	
		For Class 54 Rating, Add	*1,798.53*	
		For Class 55 Rating, Add	*2,683.04*	
		For Class 56 Rating, Add	*3,555.68*	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,635.44	992.65
		For Class 52 Rating, Deduct	*-1,334.46*	
		For Class 54 Rating, Add	*1,837.76*	
		For Class 55 Rating, Add	*2,741.40*	
		For Class 56 Rating, Add	*3,632.91*	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,903.08	997.05
		For Class 52 Rating, Deduct	*-1,363.16*	
		For Class 54 Rating, Add	*1,876.99*	
		For Class 55 Rating, Add	*2,799.76*	
		For Class 56 Rating, Add	*3,710.14*	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,170.73	1,001.44
		For Class 52 Rating, Deduct	*-1,391.87*	
		For Class 54 Rating, Add	*1,916.22*	
		For Class 55 Rating, Add	*2,858.12*	
		For Class 56 Rating, Add	*3,787.38*	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,438.38	1,005.83
		For Class 52 Rating, Deduct	*-1,420.58*	
		For Class 54 Rating, Add	*1,955.45*	
		For Class 55 Rating, Add	*2,916.49*	
		For Class 56 Rating, Add	*3,864.61*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,279.83	950.49
		For Class 52 Rating, Deduct	*-422.37*	
		For Class 54 Rating, Add	*593.24*	
		For Class 55 Rating, Add	*890.81*	
		For Class 56 Rating, Add	*1,184.55*	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,587.63	954.88
		For Class 52 Rating, Deduct	*-455.49*	
		For Class 54 Rating, Add	*638.49*	
		For Class 55 Rating, Add	*958.13*	
		For Class 56 Rating, Add	*1,273.63*	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,895.43	959.27
		For Class 52 Rating, Deduct	*-488.62*	
		For Class 54 Rating, Add	*683.74*	
		For Class 55 Rating, Add	*1,025.45*	
		For Class 56 Rating, Add	*1,362.71*	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,203.25	963.67
		For Class 52 Rating, Deduct	*-521.75*	
		For Class 54 Rating, Add	*728.99*	
		For Class 55 Rating, Add	*1,092.76*	
		For Class 56 Rating, Add	*1,451.79*	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,511.06	968.06
		For Class 52 Rating, Deduct	*-554.87*	
		For Class 54 Rating, Add	*774.25*	
		For Class 55 Rating, Add	*1,160.08*	
		For Class 56 Rating, Add	*1,540.87*	
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,818.86	972.45
		For Class 52 Rating, Deduct	*-588.00*	
		For Class 54 Rating, Add	*819.50*	
		For Class 55 Rating, Add	*1,227.40*	
		For Class 56 Rating, Add	*1,629.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,126.66	976.84
		For Class 52 Rating, Deduct	*-621.13*	
		For Class 54 Rating, Add	*864.75*	
		For Class 55 Rating, Add	*1,294.71*	
		For Class 56 Rating, Add	*1,719.03*	
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,434.47	981.24
		For Class 52 Rating, Deduct	*-654.25*	
		For Class 54 Rating, Add	*910.00*	
		For Class 55 Rating, Add	*1,362.03*	
		For Class 56 Rating, Add	*1,808.11*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,742.28	985.63
		For Class 52 Rating, Deduct	*-687.38*	
		For Class 54 Rating, Add	*955.26*	
		For Class 55 Rating, Add	*1,429.35*	
		For Class 56 Rating, Add	*1,897.19*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,050.09	990.02
		For Class 52 Rating, Deduct	*-720.51*	
		For Class 54 Rating, Add	*1,000.51*	
		For Class 55 Rating, Add	*1,496.66*	
		For Class 56 Rating, Add	*1,986.27*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,357.90	994.41
		For Class 52 Rating, Deduct	*-753.63*	
		For Class 54 Rating, Add	*1,045.76*	
		For Class 55 Rating, Add	*1,563.98*	
		For Class 56 Rating, Add	*2,075.35*	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,665.70	998.81
		For Class 52 Rating, Deduct	*-786.76*	
		For Class 54 Rating, Add	*1,091.01*	
		For Class 55 Rating, Add	*1,631.30*	
		For Class 56 Rating, Add	*2,164.43*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,973.51	1,003.19
		For Class 52 Rating, Deduct	*-819.89*	
		For Class 54 Rating, Add	*1,136.27*	
		For Class 55 Rating, Add	*1,698.61*	
		For Class 56 Rating, Add	*2,253.51*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,281.31	1,007.59
		For Class 52 Rating, Deduct	*-853.01*	
		For Class 54 Rating, Add	*1,181.52*	
		For Class 55 Rating, Add	*1,765.93*	
		For Class 56 Rating, Add	*2,342.58*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,589.13	1,011.98
		For Class 52 Rating, Deduct	*-886.14*	
		For Class 54 Rating, Add	*1,226.77*	
		For Class 55 Rating, Add	*1,833.25*	
		For Class 56 Rating, Add	*2,431.67*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,896.93	1,016.38
		For Class 52 Rating, Deduct	*-919.27*	
		For Class 54 Rating, Add	*1,272.03*	
		For Class 55 Rating, Add	*1,900.56*	
		For Class 56 Rating, Add	*2,520.74*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,204.73	1,020.76
		For Class 52 Rating, Deduct	*-952.39*	
		For Class 54 Rating, Add	*1,317.28*	
		For Class 55 Rating, Add	*1,967.88*	
		For Class 56 Rating, Add	*2,609.82*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,512.54	1,025.16
		For Class 52 Rating, Deduct	*-985.52*	
		For Class 54 Rating, Add	*1,362.53*	
		For Class 55 Rating, Add	*2,035.20*	
		For Class 56 Rating, Add	*2,698.90*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,820.35	1,029.55
		For Class 52 Rating, Deduct	*-1,018.65*	
		For Class 54 Rating, Add	*1,407.78*	
		For Class 55 Rating, Add	*2,102.51*	
		For Class 56 Rating, Add	*2,787.98*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,128.16	1,033.94
		For Class 52 Rating, Deduct	*-1,051.77*	
		For Class 54 Rating, Add	*1,453.04*	
		For Class 55 Rating, Add	*2,169.83*	
		For Class 56 Rating, Add	*2,877.06*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,435.96	1,038.33
		For Class 52 Rating, Deduct	*-1,084.90*	
		For Class 54 Rating, Add	*1,498.29*	
		For Class 55 Rating, Add	*2,237.15*	
		For Class 56 Rating, Add	*2,966.14*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,743.77	1,042.73
		For Class 52 Rating, Deduct	*-1,118.03*	
		For Class 54 Rating, Add	*1,543.54*	
		For Class 55 Rating, Add	*2,304.46*	
		For Class 56 Rating, Add	*3,055.22*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,051.58	1,047.12
		For Class 52 Rating, Deduct	*-1,151.15*	
		For Class 54 Rating, Add	*1,588.79*	
		For Class 55 Rating, Add	*2,371.78*	
		For Class 56 Rating, Add	*3,144.30*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,359.38	1,051.51
		For Class 52 Rating, Deduct	*-1,184.28*	
		For Class 54 Rating, Add	*1,634.05*	
		For Class 55 Rating, Add	*2,439.09*	
		For Class 56 Rating, Add	*3,233.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,667.19	1,055.90
		For Class 52 Rating, Deduct	*-1,217.41*	
		For Class 54 Rating, Add	*1,679.30*	
		For Class 55 Rating, Add	*2,506.41*	
		For Class 56 Rating, Add	*3,322.46*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,975.00	1,060.30
		For Class 52 Rating, Deduct	*-1,250.53*	
		For Class 54 Rating, Add	*1,724.55*	
		For Class 55 Rating, Add	*2,573.73*	
		For Class 56 Rating, Add	*3,411.54*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,282.81	1,064.69
		For Class 52 Rating, Deduct	*-1,283.66*	
		For Class 54 Rating, Add	*1,769.80*	
		For Class 55 Rating, Add	*2,641.05*	
		For Class 56 Rating, Add	*3,500.62*	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,590.61	1,069.08
		For Class 52 Rating, Deduct	*-1,316.79*	
		For Class 54 Rating, Add	*1,815.06*	
		For Class 55 Rating, Add	*2,708.36*	
		For Class 56 Rating, Add	*3,589.70*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,898.42	1,073.47
		For Class 52 Rating, Deduct	*-1,349.91*	
		For Class 54 Rating, Add	*1,860.31*	
		For Class 55 Rating, Add	*2,775.68*	
		For Class 56 Rating, Add	*3,678.78*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,206.23	1,077.87
		For Class 52 Rating, Deduct	*-1,383.04*	
		For Class 54 Rating, Add	*1,905.56*	
		For Class 55 Rating, Add	*2,843.00*	
		For Class 56 Rating, Add	*3,767.86*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,514.03	1,082.25
		For Class 52 Rating, Deduct	*-1,416.17*	
		For Class 54 Rating, Add	*1,950.81*	
		For Class 55 Rating, Add	*2,910.31*	
		For Class 56 Rating, Add	*3,856.94*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,821.84	1,086.65
		For Class 52 Rating, Deduct	*-1,449.29*	
		For Class 54 Rating, Add	*1,996.07*	
		For Class 55 Rating, Add	*2,977.63*	
		For Class 56 Rating, Add	*3,946.01*	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,129.65	1,091.04
		For Class 52 Rating, Deduct	*-1,482.42*	
		For Class 54 Rating, Add	*2,041.32*	
		For Class 55 Rating, Add	*3,044.95*	
		For Class 56 Rating, Add	*4,035.09*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,437.45	1,095.44
		For Class 52 Rating, Deduct	*-1,515.55*	
		For Class 54 Rating, Add	*2,086.57*	
		For Class 55 Rating, Add	*3,112.26*	
		For Class 56 Rating, Add	*4,124.17*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,745.26	1,099.82
		For Class 52 Rating, Deduct	*-1,548.67*	
		For Class 54 Rating, Add	*2,131.83*	
		For Class 55 Rating, Add	*3,179.58*	
		For Class 56 Rating, Add	*4,213.25*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,053.07	1,104.22
		For Class 52 Rating, Deduct	*-1,581.80*	
		For Class 54 Rating, Add	*2,177.08*	
		For Class 55 Rating, Add	*3,246.90*	
		For Class 56 Rating, Add	*4,302.33*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,360.88	1,108.61
		For Class 52 Rating, Deduct	*-1,614.93*	
		For Class 54 Rating, Add	*2,222.33*	
		For Class 55 Rating, Add	*3,314.21*	
		For Class 56 Rating, Add	*4,391.41*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,668.68	1,113.00
		For Class 52 Rating, Deduct	*-1,648.05*	
		For Class 54 Rating, Add	*2,267.58*	
		For Class 55 Rating, Add	*3,381.53*	
		For Class 56 Rating, Add	*4,480.49*	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,183.65	1,084.89
		For Class 52 Rating, Deduct	*-499.39*	
		For Class 54 Rating, Add	*700.71*	
		For Class 55 Rating, Add	*1,051.84*	
		For Class 56 Rating, Add	*1,398.44*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,536.63	1,089.28
		For Class 52 Rating, Deduct	*-537.48*	
		For Class 54 Rating, Add	*752.73*	
		For Class 55 Rating, Add	*1,129.23*	
		For Class 56 Rating, Add	*1,500.84*	
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,889.61	1,093.68
		For Class 52 Rating, Deduct	*-575.58*	
		For Class 54 Rating, Add	*804.76*	
		For Class 55 Rating, Add	*1,206.62*	
		For Class 56 Rating, Add	*1,603.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,242.58	1,098.07
		For Class 52 Rating, Deduct	*-613.67*	
		For Class 54 Rating, Add	*856.79*	
		For Class 55 Rating, Add	*1,284.01*	
		For Class 56 Rating, Add	*1,705.65*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,595.57	1,102.46
		For Class 52 Rating, Deduct	*-651.77*	
		For Class 54 Rating, Add	*908.82*	
		For Class 55 Rating, Add	*1,361.40*	
		For Class 56 Rating, Add	*1,808.06*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,948.54	1,106.85
		For Class 52 Rating, Deduct	*-689.86*	
		For Class 54 Rating, Add	*960.85*	
		For Class 55 Rating, Add	*1,438.79*	
		For Class 56 Rating, Add	*1,910.46*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,301.53	1,111.25
		For Class 52 Rating, Deduct	*-727.96*	
		For Class 54 Rating, Add	*1,012.88*	
		For Class 55 Rating, Add	*1,516.18*	
		For Class 56 Rating, Add	*2,012.87*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,654.50	1,115.64
		For Class 52 Rating, Deduct	*-766.06*	
		For Class 54 Rating, Add	*1,064.91*	
		For Class 55 Rating, Add	*1,593.57*	
		For Class 56 Rating, Add	*2,115.27*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,007.48	1,120.03
		For Class 52 Rating, Deduct	*-804.15*	
		For Class 54 Rating, Add	*1,116.93*	
		For Class 55 Rating, Add	*1,670.96*	
		For Class 56 Rating, Add	*2,217.68*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,360.46	1,124.42
		For Class 52 Rating, Deduct	*-842.25*	
		For Class 54 Rating, Add	*1,168.96*	
		For Class 55 Rating, Add	*1,748.35*	
		For Class 56 Rating, Add	*2,320.09*	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,713.43	1,128.82
		For Class 52 Rating, Deduct	*-880.34*	
		For Class 54 Rating, Add	*1,220.99*	
		For Class 55 Rating, Add	*1,825.74*	
		For Class 56 Rating, Add	*2,422.49*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,066.43	1,133.20
		For Class 52 Rating, Deduct	*-918.44*	
		For Class 54 Rating, Add	*1,273.02*	
		For Class 55 Rating, Add	*1,903.13*	
		For Class 56 Rating, Add	*2,524.90*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,419.40	1,137.60
		For Class 52 Rating, Deduct	*-956.53*	
		For Class 54 Rating, Add	*1,325.05*	
		For Class 55 Rating, Add	*1,980.52*	
		For Class 56 Rating, Add	*2,627.30*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,772.38	1,141.99
		For Class 52 Rating, Deduct	*-994.63*	
		For Class 54 Rating, Add	*1,377.08*	
		For Class 55 Rating, Add	*2,057.91*	
		For Class 56 Rating, Add	*2,729.71*	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,125.35	1,146.39
		For Class 52 Rating, Deduct	*-1,032.73*	
		For Class 54 Rating, Add	*1,429.10*	
		For Class 55 Rating, Add	*2,135.30*	
		For Class 56 Rating, Add	*2,832.11*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,478.35	1,150.77
		For Class 52 Rating, Deduct	*-1,070.82*	
		For Class 54 Rating, Add	*1,481.13*	
		For Class 55 Rating, Add	*2,212.69*	
		For Class 56 Rating, Add	*2,934.52*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,831.32	1,155.17
		For Class 52 Rating, Deduct	*-1,108.92*	
		For Class 54 Rating, Add	*1,533.16*	
		For Class 55 Rating, Add	*2,290.08*	
		For Class 56 Rating, Add	*3,036.92*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,184.30	1,159.57
		For Class 52 Rating, Deduct	*-1,147.01*	
		For Class 54 Rating, Add	*1,585.19*	
		For Class 55 Rating, Add	*2,367.47*	
		For Class 56 Rating, Add	*3,139.33*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,537.28	1,163.95
		For Class 52 Rating, Deduct	*-1,185.11*	
		For Class 54 Rating, Add	*1,637.22*	
		For Class 55 Rating, Add	*2,444.86*	
		For Class 56 Rating, Add	*3,241.73*	
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,890.26	1,168.35
		For Class 52 Rating, Deduct	*-1,223.20*	
		For Class 54 Rating, Add	*1,689.25*	
		For Class 55 Rating, Add	*2,522.25*	
		For Class 56 Rating, Add	*3,344.14*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,243.24	1,172.74
		For Class 52 Rating, Deduct	*-1,261.30*	
		For Class 54 Rating, Add	*1,741.28*	
		For Class 55 Rating, Add	*2,599.64*	
		For Class 56 Rating, Add	*3,446.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,596.22	1,177.14
		For Class 52 Rating, Deduct	*-1,299.40*	
		For Class 54 Rating, Add	*1,793.31*	
		For Class 55 Rating, Add	*2,677.03*	
		For Class 56 Rating, Add	*3,548.95*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,949.20	1,181.52
		For Class 52 Rating, Deduct	*-1,337.49*	
		For Class 54 Rating, Add	*1,845.33*	
		For Class 55 Rating, Add	*2,754.42*	
		For Class 56 Rating, Add	*3,651.35*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,302.18	1,185.92
		For Class 52 Rating, Deduct	*-1,375.59*	
		For Class 54 Rating, Add	*1,897.36*	
		For Class 55 Rating, Add	*2,831.81*	
		For Class 56 Rating, Add	*3,753.76*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,655.16	1,190.31
		For Class 52 Rating, Deduct	*-1,413.68*	
		For Class 54 Rating, Add	*1,949.39*	
		For Class 55 Rating, Add	*2,909.20*	
		For Class 56 Rating, Add	*3,856.17*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,008.15	1,194.71
		For Class 52 Rating, Deduct	*-1,451.78*	
		For Class 54 Rating, Add	*2,001.42*	
		For Class 55 Rating, Add	*2,986.60*	
		For Class 56 Rating, Add	*3,958.57*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,361.12	1,199.09
		For Class 52 Rating, Deduct	*-1,489.87*	
		For Class 54 Rating, Add	*2,053.45*	
		For Class 55 Rating, Add	*3,063.98*	
		For Class 56 Rating, Add	*4,060.98*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,714.10	1,203.49
		For Class 52 Rating, Deduct	*-1,527.97*	
		For Class 54 Rating, Add	*2,105.48*	
		For Class 55 Rating, Add	*3,141.38*	
		For Class 56 Rating, Add	*4,163.38*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,067.07	1,207.88
		For Class 52 Rating, Deduct	*-1,566.07*	
		For Class 54 Rating, Add	*2,157.51*	
		For Class 55 Rating, Add	*3,218.76*	
		For Class 56 Rating, Add	*4,265.79*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,420.07	1,212.27
		For Class 52 Rating, Deduct	*-1,604.16*	
		For Class 54 Rating, Add	*2,209.53*	
		For Class 55 Rating, Add	*3,296.16*	
		For Class 56 Rating, Add	*4,368.19*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,773.04	1,216.66
		For Class 52 Rating, Deduct	*-1,642.26*	
		For Class 54 Rating, Add	*2,261.56*	
		For Class 55 Rating, Add	*3,373.55*	
		For Class 56 Rating, Add	*4,470.60*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,126.02	1,221.06
		For Class 52 Rating, Deduct	*-1,680.35*	
		For Class 54 Rating, Add	*2,313.59*	
		For Class 55 Rating, Add	*3,450.94*	
		For Class 56 Rating, Add	*4,573.01*	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,479.00	1,225.45
		For Class 52 Rating, Deduct	*-1,718.45*	
		For Class 54 Rating, Add	*2,365.62*	
		For Class 55 Rating, Add	*3,528.33*	
		For Class 56 Rating, Add	*4,675.41*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,831.97	1,229.84
		For Class 52 Rating, Deduct	*-1,756.54*	
		For Class 54 Rating, Add	*2,417.65*	
		For Class 55 Rating, Add	*3,605.71*	
		For Class 56 Rating, Add	*4,777.81*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,184.96	1,234.23
		For Class 52 Rating, Deduct	*-1,794.64*	
		For Class 54 Rating, Add	*2,469.68*	
		For Class 55 Rating, Add	*3,683.11*	
		For Class 56 Rating, Add	*4,880.22*	
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,537.93	1,238.63
		For Class 52 Rating, Deduct	*-1,832.74*	
		For Class 54 Rating, Add	*2,521.70*	
		For Class 55 Rating, Add	*3,760.50*	
		For Class 56 Rating, Add	*4,982.62*	
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,890.92	1,243.01
		For Class 52 Rating, Deduct	*-1,870.83*	
		For Class 54 Rating, Add	*2,573.73*	
		For Class 55 Rating, Add	*3,837.89*	
		For Class 56 Rating, Add	*5,085.03*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,243.89	1,247.41
		For Class 52 Rating, Deduct	*-1,908.93*	
		For Class 54 Rating, Add	*2,625.76*	
		For Class 55 Rating, Add	*3,915.28*	
		For Class 56 Rating, Add	*5,187.43*	

40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,609.93	1,282.55
		For Class 52 Rating, Deduct	*-623.33*	
		For Class 54 Rating, Add	*873.32*	
		For Class 55 Rating, Add	*1,310.31*	
		For Class 56 Rating, Add	*1,741.63*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,045.72	1,286.94
		For Class 52 Rating, Deduct	*-670.54*	
		For Class 54 Rating, Add	*937.77*	
		For Class 55 Rating, Add	*1,406.17*	
		For Class 56 Rating, Add	*1,868.46*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,481.52	1,291.33
		For Class 52 Rating, Deduct	*-717.75*	
		For Class 54 Rating, Add	*1,002.22*	
		For Class 55 Rating, Add	*1,502.02*	
		For Class 56 Rating, Add	*1,995.30*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,917.32	1,295.72
		For Class 52 Rating, Deduct	*-764.95*	
		For Class 54 Rating, Add	*1,066.67*	
		For Class 55 Rating, Add	*1,597.88*	
		For Class 56 Rating, Add	*2,122.14*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,353.11	1,300.12
		For Class 52 Rating, Deduct	*-812.16*	
		For Class 54 Rating, Add	*1,131.12*	
		For Class 55 Rating, Add	*1,693.74*	
		For Class 56 Rating, Add	*2,248.97*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,788.91	1,304.51
		For Class 52 Rating, Deduct	*-859.36*	
		For Class 54 Rating, Add	*1,195.58*	
		For Class 55 Rating, Add	*1,789.60*	
		For Class 56 Rating, Add	*2,375.81*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,224.71	1,308.90
		For Class 52 Rating, Deduct	*-906.57*	
		For Class 54 Rating, Add	*1,260.03*	
		For Class 55 Rating, Add	*1,885.46*	
		For Class 56 Rating, Add	*2,502.65*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,660.51	1,313.29
		For Class 52 Rating, Deduct	*-953.77*	
		For Class 54 Rating, Add	*1,324.48*	
		For Class 55 Rating, Add	*1,981.32*	
		For Class 56 Rating, Add	*2,629.48*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,096.30	1,317.69
		For Class 52 Rating, Deduct	*-1,000.98*	
		For Class 54 Rating, Add	*1,388.93*	
		For Class 55 Rating, Add	*2,077.17*	
		For Class 56 Rating, Add	*2,756.32*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,532.10	1,322.07
		For Class 52 Rating, Deduct	*-1,048.18*	
		For Class 54 Rating, Add	*1,453.38*	
		For Class 55 Rating, Add	*2,173.03*	
		For Class 56 Rating, Add	*2,883.15*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,967.89	1,326.47
		For Class 52 Rating, Deduct	*-1,095.39*	
		For Class 54 Rating, Add	*1,517.83*	
		For Class 55 Rating, Add	*2,268.89*	
		For Class 56 Rating, Add	*3,009.99*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,403.68	1,330.86
		For Class 52 Rating, Deduct	*-1,142.60*	
		For Class 54 Rating, Add	*1,582.28*	
		For Class 55 Rating, Add	*2,364.75*	
		For Class 56 Rating, Add	*3,136.83*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,839.50	1,335.26
		For Class 52 Rating, Deduct	*-1,189.80*	
		For Class 54 Rating, Add	*1,646.73*	
		For Class 55 Rating, Add	*2,460.61*	
		For Class 56 Rating, Add	*3,263.66*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,275.29	1,339.64
		For Class 52 Rating, Deduct	*-1,237.01*	
		For Class 54 Rating, Add	*1,711.19*	
		For Class 55 Rating, Add	*2,556.47*	
		For Class 56 Rating, Add	*3,390.50*	
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,711.08	1,344.04
		For Class 52 Rating, Deduct	*-1,284.21*	
		For Class 54 Rating, Add	*1,775.64*	
		For Class 55 Rating, Add	*2,652.32*	
		For Class 56 Rating, Add	*3,517.34*	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,146.87	1,348.43
		For Class 52 Rating, Deduct	*-1,331.42*	
		For Class 54 Rating, Add	*1,840.09*	
		For Class 55 Rating, Add	*2,748.18*	
		For Class 56 Rating, Add	*3,644.17*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,582.67	1,352.83
		For Class 52 Rating, Deduct	*-1,378.62*	
		For Class 54 Rating, Add	*1,904.54*	
		For Class 55 Rating, Add	*2,844.04*	
		For Class 56 Rating, Add	*3,771.01*	
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,018.47	1,357.21
		For Class 52 Rating, Deduct	*-1,425.83*	
		For Class 54 Rating, Add	*1,968.99*	
		For Class 55 Rating, Add	*2,939.90*	
		For Class 56 Rating, Add	*3,897.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,454.27	1,361.61
		For Class 52 Rating, Deduct	*-1,473.04*	
		For Class 54 Rating, Add	*2,033.44*	
		For Class 55 Rating, Add	*3,035.76*	
		For Class 56 Rating, Add	*4,024.68*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,890.07	1,366.00
		For Class 52 Rating, Deduct	*-1,520.24*	
		For Class 54 Rating, Add	*2,097.89*	
		For Class 55 Rating, Add	*3,131.62*	
		For Class 56 Rating, Add	*4,151.52*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,325.86	1,370.39
		For Class 52 Rating, Deduct	*-1,567.45*	
		For Class 54 Rating, Add	*2,162.34*	
		For Class 55 Rating, Add	*3,227.47*	
		For Class 56 Rating, Add	*4,278.35*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,761.66	1,374.78
		For Class 52 Rating, Deduct	*-1,614.65*	
		For Class 54 Rating, Add	*2,226.79*	
		For Class 55 Rating, Add	*3,323.33*	
		For Class 56 Rating, Add	*4,405.19*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,197.45	1,379.18
		For Class 52 Rating, Deduct	*-1,661.86*	
		For Class 54 Rating, Add	*2,291.24*	
		For Class 55 Rating, Add	*3,419.19*	
		For Class 56 Rating, Add	*4,532.03*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,633.25	1,383.57
		For Class 52 Rating, Deduct	*-1,709.06*	
		For Class 54 Rating, Add	*2,355.70*	
		For Class 55 Rating, Add	*3,515.05*	
		For Class 56 Rating, Add	*4,658.86*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,069.05	1,387.96
		For Class 52 Rating, Deduct	*-1,756.27*	
		For Class 54 Rating, Add	*2,420.15*	
		For Class 55 Rating, Add	*3,610.91*	
		For Class 56 Rating, Add	*4,785.70*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,504.84	1,392.35
		For Class 52 Rating, Deduct	*-1,803.47*	
		For Class 54 Rating, Add	*2,484.60*	
		For Class 55 Rating, Add	*3,706.76*	
		For Class 56 Rating, Add	*4,912.54*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,940.64	1,396.75
		For Class 52 Rating, Deduct	*-1,850.68*	
		For Class 54 Rating, Add	*2,549.05*	
		For Class 55 Rating, Add	*3,802.62*	
		For Class 56 Rating, Add	*5,039.37*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,376.44	1,401.13
		For Class 52 Rating, Deduct	*-1,897.89*	
		For Class 54 Rating, Add	*2,613.50*	
		For Class 55 Rating, Add	*3,898.48*	
		For Class 56 Rating, Add	*5,166.21*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,812.23	1,405.53
		For Class 52 Rating, Deduct	*-1,945.09*	
		For Class 54 Rating, Add	*2,677.95*	
		For Class 55 Rating, Add	*3,994.34*	
		For Class 56 Rating, Add	*5,293.04*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,361.16	1,484.59
		For Class 52 Rating, Deduct	*-1,992.30*	
		For Class 54 Rating, Add	*2,743.76*	
		For Class 55 Rating, Add	*4,092.91*	
		For Class 56 Rating, Add	*5,423.95*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,796.95	1,488.98
		For Class 52 Rating, Deduct	*-2,039.50*	
		For Class 54 Rating, Add	*2,808.21*	
		For Class 55 Rating, Add	*4,188.77*	
		For Class 56 Rating, Add	*5,550.79*	
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,232.76	1,493.38
		For Class 52 Rating, Deduct	*-2,086.71*	
		For Class 54 Rating, Add	*2,872.66*	
		For Class 55 Rating, Add	*4,284.63*	
		For Class 56 Rating, Add	*5,677.63*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,668.56	1,497.76
		For Class 52 Rating, Deduct	*-2,133.91*	
		For Class 54 Rating, Add	*2,937.11*	
		For Class 55 Rating, Add	*4,380.49*	
		For Class 56 Rating, Add	*5,804.46*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,104.35	1,502.16
		For Class 52 Rating, Deduct	*-2,181.12*	
		For Class 54 Rating, Add	*3,001.56*	
		For Class 55 Rating, Add	*4,476.35*	
		For Class 56 Rating, Add	*5,931.30*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,540.15	1,506.55
		For Class 52 Rating, Deduct	*-2,228.32*	
		For Class 54 Rating, Add	*3,066.02*	
		For Class 55 Rating, Add	*4,572.20*	
		For Class 56 Rating, Add	*6,058.14*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,975.94	1,510.95
		For Class 52 Rating, Deduct	*-2,275.53*	
		For Class 54 Rating, Add	*3,130.47*	
		For Class 55 Rating, Add	*4,668.06*	
		For Class 56 Rating, Add	*6,184.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,411.73	1,515.33
		For Class 52 Rating, Deduct	*-2,322.73*	
		For Class 54 Rating, Add	*3,194.92*	
		For Class 55 Rating, Add	*4,763.92*	
		For Class 56 Rating, Add	*6,311.81*	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,847.54	1,519.73
		For Class 52 Rating, Deduct	*-2,369.94*	
		For Class 54 Rating, Add	*3,259.37*	
		For Class 55 Rating, Add	*4,859.78*	
		For Class 56 Rating, Add	*6,438.65*	

40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,751.31	1,809.62
		For Class 52 Rating, Deduct	*-991.04*	
		For Class 54 Rating, Add	*1,384.32*	
		For Class 55 Rating, Add	*2,074.91*	
		For Class 56 Rating, Add	*2,756.50*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,377.84	1,814.01
		For Class 52 Rating, Deduct	*-1,059.23*	
		For Class 54 Rating, Add	*1,477.38*	
		For Class 55 Rating, Add	*2,213.31*	
		For Class 56 Rating, Add	*2,939.60*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,004.37	1,818.40
		For Class 52 Rating, Deduct	*-1,127.41*	
		For Class 54 Rating, Add	*1,570.44*	
		For Class 55 Rating, Add	*2,351.70*	
		For Class 56 Rating, Add	*3,122.70*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,630.90	1,822.80
		For Class 52 Rating, Deduct	*-1,195.60*	
		For Class 54 Rating, Add	*1,663.50*	
		For Class 55 Rating, Add	*2,490.09*	
		For Class 56 Rating, Add	*3,305.80*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,257.42	1,827.19
		For Class 52 Rating, Deduct	*-1,263.78*	
		For Class 54 Rating, Add	*1,756.56*	
		For Class 55 Rating, Add	*2,628.48*	
		For Class 56 Rating, Add	*3,488.91*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,883.94	1,831.58
		For Class 52 Rating, Deduct	*-1,331.97*	
		For Class 54 Rating, Add	*1,849.62*	
		For Class 55 Rating, Add	*2,766.87*	
		For Class 56 Rating, Add	*3,672.01*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,510.47	1,835.97
		For Class 52 Rating, Deduct	*-1,400.16*	
		For Class 54 Rating, Add	*1,942.68*	
		For Class 55 Rating, Add	*2,905.26*	
		For Class 56 Rating, Add	*3,855.11*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,136.99	1,840.37
		For Class 52 Rating, Deduct	*-1,468.34*	
		For Class 54 Rating, Add	*2,035.75*	
		For Class 55 Rating, Add	*3,043.65*	
		For Class 56 Rating, Add	*4,038.21*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,763.52	1,844.75
		For Class 52 Rating, Deduct	*-1,536.53*	
		For Class 54 Rating, Add	*2,128.81*	
		For Class 55 Rating, Add	*3,182.04*	
		For Class 56 Rating, Add	*4,221.31*	
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,390.04	1,849.15
		For Class 52 Rating, Deduct	*-1,604.71*	
		For Class 54 Rating, Add	*2,221.87*	
		For Class 55 Rating, Add	*3,320.43*	
		For Class 56 Rating, Add	*4,404.41*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,016.58	1,853.54
		For Class 52 Rating, Deduct	*-1,672.90*	
		For Class 54 Rating, Add	*2,314.93*	
		For Class 55 Rating, Add	*3,458.83*	
		For Class 56 Rating, Add	*4,587.52*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,643.10	1,857.94
		For Class 52 Rating, Deduct	*-1,741.09*	
		For Class 54 Rating, Add	*2,407.99*	
		For Class 55 Rating, Add	*3,597.22*	
		For Class 56 Rating, Add	*4,770.62*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,269.63	1,862.32
		For Class 52 Rating, Deduct	*-1,809.27*	
		For Class 54 Rating, Add	*2,501.05*	
		For Class 55 Rating, Add	*3,735.61*	
		For Class 56 Rating, Add	*4,953.72*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,896.16	1,866.72
		For Class 52 Rating, Deduct	*-1,877.46*	
		For Class 54 Rating, Add	*2,594.11*	
		For Class 55 Rating, Add	*3,874.00*	
		For Class 56 Rating, Add	*5,136.82*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,522.68	1,871.11
		For Class 52 Rating, Deduct	*-1,945.64*	
		For Class 54 Rating, Add	*2,687.17*	
		For Class 55 Rating, Add	*4,012.39*	
		For Class 56 Rating, Add	*5,319.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,149.20	1,875.51
		For Class 52 Rating, Deduct	*-2,013.83*	
		For Class 54 Rating, Add	*2,780.23*	
		For Class 55 Rating, Add	*4,150.78*	
		For Class 56 Rating, Add	*5,503.02*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,775.72	1,879.89
		For Class 52 Rating, Deduct	*-2,082.01*	
		For Class 54 Rating, Add	*2,873.29*	
		For Class 55 Rating, Add	*4,289.17*	
		For Class 56 Rating, Add	*5,686.12*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,402.26	1,884.29
		For Class 52 Rating, Deduct	*-2,150.20*	
		For Class 54 Rating, Add	*2,966.35*	
		For Class 55 Rating, Add	*4,427.56*	
		For Class 56 Rating, Add	*5,869.22*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,028.79	1,888.68
		For Class 52 Rating, Deduct	*-2,218.39*	
		For Class 54 Rating, Add	*3,059.41*	
		For Class 55 Rating, Add	*4,565.95*	
		For Class 56 Rating, Add	*6,052.33*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,655.31	1,893.07
		For Class 52 Rating, Deduct	*-2,286.57*	
		For Class 54 Rating, Add	*3,152.47*	
		For Class 55 Rating, Add	*4,704.34*	
		For Class 56 Rating, Add	*6,235.43*	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,281.84	1,897.46
		For Class 52 Rating, Deduct	*-2,354.76*	
		For Class 54 Rating, Add	*3,245.53*	
		For Class 55 Rating, Add	*4,842.74*	
		For Class 56 Rating, Add	*6,418.53*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,908.36	1,901.86
		For Class 52 Rating, Deduct	*-2,422.94*	
		For Class 54 Rating, Add	*3,338.59*	
		For Class 55 Rating, Add	*4,981.13*	
		For Class 56 Rating, Add	*6,601.63*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,534.89	1,906.25
		For Class 52 Rating, Deduct	*-2,491.13*	
		For Class 54 Rating, Add	*3,431.65*	
		For Class 55 Rating, Add	*5,119.52*	
		For Class 56 Rating, Add	*6,784.73*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,161.41	1,910.64
		For Class 52 Rating, Deduct	*-2,559.32*	
		For Class 54 Rating, Add	*3,524.71*	
		For Class 55 Rating, Add	*5,257.91*	
		For Class 56 Rating, Add	*6,967.83*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,785.43	1,915.03
		For Class 52 Rating, Deduct	*-2,627.22*	
		For Class 54 Rating, Add	*3,617.40*	
		For Class 55 Rating, Add	*5,395.74*	
		For Class 56 Rating, Add	*7,150.20*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,414.46	1,919.43
		For Class 52 Rating, Deduct	*-2,695.69*	
		For Class 54 Rating, Add	*3,710.83*	
		For Class 55 Rating, Add	*5,534.69*	
		For Class 56 Rating, Add	*7,334.04*	
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,041.00	1,923.82
		For Class 52 Rating, Deduct	*-2,763.87*	
		For Class 54 Rating, Add	*3,803.90*	
		For Class 55 Rating, Add	*5,673.08*	
		For Class 56 Rating, Add	*7,517.14*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,667.53	1,928.21
		For Class 52 Rating, Deduct	*-2,832.06*	
		For Class 54 Rating, Add	*3,896.96*	
		For Class 55 Rating, Add	*5,811.47*	
		For Class 56 Rating, Add	*7,700.24*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,294.05	1,932.61
		For Class 52 Rating, Deduct	*-2,900.24*	
		For Class 54 Rating, Add	*3,990.02*	
		For Class 55 Rating, Add	*5,949.86*	
		For Class 56 Rating, Add	*7,883.34*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,920.57	1,937.00
		For Class 52 Rating, Deduct	*-2,968.43*	
		For Class 54 Rating, Add	*4,083.08*	
		For Class 55 Rating, Add	*6,088.25*	
		For Class 56 Rating, Add	*8,066.44*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,547.09	1,941.39
		For Class 52 Rating, Deduct	*-3,036.62*	
		For Class 54 Rating, Add	*4,176.14*	
		For Class 55 Rating, Add	*6,226.64*	
		For Class 56 Rating, Add	*8,249.55*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,173.63	1,945.78
		For Class 52 Rating, Deduct	*-3,104.80*	
		For Class 54 Rating, Add	*4,269.20*	
		For Class 55 Rating, Add	*6,365.04*	
		For Class 56 Rating, Add	*8,432.65*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,800.15	1,950.18
		For Class 52 Rating, Deduct	*-3,172.99*	
		For Class 54 Rating, Add	*4,362.26*	
		For Class 55 Rating, Add	*6,503.43*	
		For Class 56 Rating, Add	*8,615.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,426.67	1,954.57
		For Class 52 Rating, Deduct	*-3,241.17*	
		For Class 54 Rating, Add	*4,455.32*	
		For Class 55 Rating, Add	*6,641.82*	
		For Class 56 Rating, Add	*8,798.85*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,053.20	1,958.96
		For Class 52 Rating, Deduct	*-3,309.36*	
		For Class 54 Rating, Add	*4,548.38*	
		For Class 55 Rating, Add	*6,780.21*	
		For Class 56 Rating, Add	*8,981.95*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,679.74	1,963.35
		For Class 52 Rating, Deduct	*-3,377.55*	
		For Class 54 Rating, Add	*4,641.44*	
		For Class 55 Rating, Add	*6,918.60*	
		For Class 56 Rating, Add	*9,165.06*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,306.26	1,967.75
		For Class 52 Rating, Deduct	*-3,445.73*	
		For Class 54 Rating, Add	*4,734.50*	
		For Class 55 Rating, Add	*7,056.99*	
		For Class 56 Rating, Add	*9,348.16*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,932.78	1,972.13
		For Class 52 Rating, Deduct	*-3,513.92*	
		For Class 54 Rating, Add	*4,827.56*	
		For Class 55 Rating, Add	*7,195.38*	
		For Class 56 Rating, Add	*9,531.26*	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,365.72	2,292.77
		For Class 52 Rating, Deduct	*-1,418.10*	
		For Class 54 Rating, Add	*1,975.46*	
		For Class 55 Rating, Add	*2,958.25*	
		For Class 56 Rating, Add	*3,928.15*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,215.59	2,297.17
		For Class 52 Rating, Deduct	*-1,510.85*	
		For Class 54 Rating, Add	*2,102.02*	
		For Class 55 Rating, Add	*3,146.45*	
		For Class 56 Rating, Add	*4,177.14*	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,065.47	2,301.56
		For Class 52 Rating, Deduct	*-1,603.61*	
		For Class 54 Rating, Add	*2,228.59*	
		For Class 55 Rating, Add	*3,334.65*	
		For Class 56 Rating, Add	*4,426.13*	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,915.35	2,305.95
		For Class 52 Rating, Deduct	*-1,696.36*	
		For Class 54 Rating, Add	*2,355.15*	
		For Class 55 Rating, Add	*3,522.84*	
		For Class 56 Rating, Add	*4,675.12*	
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,765.24	2,310.34
		For Class 52 Rating, Deduct	*-1,789.12*	
		For Class 54 Rating, Add	*2,481.71*	
		For Class 55 Rating, Add	*3,711.05*	
		For Class 56 Rating, Add	*4,924.11*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,615.11	2,314.74
		For Class 52 Rating, Deduct	*-1,881.87*	
		For Class 54 Rating, Add	*2,608.28*	
		For Class 55 Rating, Add	*3,899.24*	
		For Class 56 Rating, Add	*5,173.10*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,465.00	2,319.12
		For Class 52 Rating, Deduct	*-1,974.63*	
		For Class 54 Rating, Add	*2,734.84*	
		For Class 55 Rating, Add	*4,087.44*	
		For Class 56 Rating, Add	*5,422.09*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,314.87	2,323.52
		For Class 52 Rating, Deduct	*-2,067.38*	
		For Class 54 Rating, Add	*2,861.40*	
		For Class 55 Rating, Add	*4,275.64*	
		For Class 56 Rating, Add	*5,671.08*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,164.75	2,327.91
		For Class 52 Rating, Deduct	*-2,160.14*	
		For Class 54 Rating, Add	*2,987.97*	
		For Class 55 Rating, Add	*4,463.84*	
		For Class 56 Rating, Add	*5,920.07*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,014.64	2,332.31
		For Class 52 Rating, Deduct	*-2,252.89*	
		For Class 54 Rating, Add	*3,114.53*	
		For Class 55 Rating, Add	*4,652.04*	
		For Class 56 Rating, Add	*6,169.07*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,864.52	2,336.69
		For Class 52 Rating, Deduct	*-2,345.65*	
		For Class 54 Rating, Add	*3,241.10*	
		For Class 55 Rating, Add	*4,840.24*	
		For Class 56 Rating, Add	*6,418.06*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,714.40	2,341.09
		For Class 52 Rating, Deduct	*-2,438.40*	
		For Class 54 Rating, Add	*3,367.66*	
		For Class 55 Rating, Add	*5,028.44*	
		For Class 56 Rating, Add	*6,667.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,564.27	2,345.48
		For Class 52 Rating, Deduct	*-2,531.16*	
		For Class 54 Rating, Add	*3,494.22*	
		For Class 55 Rating, Add	*5,216.64*	
		For Class 56 Rating, Add	*6,916.04*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,414.17	2,349.88
		For Class 52 Rating, Deduct	*-2,623.91*	
		For Class 54 Rating, Add	*3,620.79*	
		For Class 55 Rating, Add	*5,404.84*	
		For Class 56 Rating, Add	*7,165.03*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,264.04	2,354.26
		For Class 52 Rating, Deduct	*-2,716.67*	
		For Class 54 Rating, Add	*3,747.35*	
		For Class 55 Rating, Add	*5,593.03*	
		For Class 56 Rating, Add	*7,414.02*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,113.92	2,358.66
		For Class 52 Rating, Deduct	*-2,809.42*	
		For Class 54 Rating, Add	*3,873.91*	
		For Class 55 Rating, Add	*5,781.23*	
		For Class 56 Rating, Add	*7,663.01*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,963.79	2,363.05
		For Class 52 Rating, Deduct	*-2,902.18*	
		For Class 54 Rating, Add	*4,000.48*	
		For Class 55 Rating, Add	*5,969.43*	
		For Class 56 Rating, Add	*7,912.00*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,813.68	2,367.44
		For Class 52 Rating, Deduct	*-2,994.93*	
		For Class 54 Rating, Add	*4,127.04*	
		For Class 55 Rating, Add	*6,157.63*	
		For Class 56 Rating, Add	*8,160.99*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,663.57	2,371.83
		For Class 52 Rating, Deduct	*-3,087.69*	
		For Class 54 Rating, Add	*4,253.61*	
		For Class 55 Rating, Add	*6,345.83*	
		For Class 56 Rating, Add	*8,409.99*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,513.44	2,376.23
		For Class 52 Rating, Deduct	*-3,180.44*	
		For Class 54 Rating, Add	*4,380.17*	
		For Class 55 Rating, Add	*6,534.03*	
		For Class 56 Rating, Add	*8,658.98*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,363.33	2,380.62
		For Class 52 Rating, Deduct	*-3,273.20*	
		For Class 54 Rating, Add	*4,506.73*	
		For Class 55 Rating, Add	*6,722.23*	
		For Class 56 Rating, Add	*8,907.97*	
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,213.20	2,385.01
		For Class 52 Rating, Deduct	*-3,365.95*	
		For Class 54 Rating, Add	*4,633.30*	
		For Class 55 Rating, Add	*6,910.43*	
		For Class 56 Rating, Add	*9,156.96*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,063.08	2,389.40
		For Class 52 Rating, Deduct	*-3,458.71*	
		For Class 54 Rating, Add	*4,759.86*	
		For Class 55 Rating, Add	*7,098.63*	
		For Class 56 Rating, Add	*9,405.95*	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,912.96	2,393.80
		For Class 52 Rating, Deduct	*-3,551.46*	
		For Class 54 Rating, Add	*4,886.42*	
		For Class 55 Rating, Add	*7,286.83*	
		For Class 56 Rating, Add	*9,654.94*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,762.85	2,398.18
		For Class 52 Rating, Deduct	*-3,644.22*	
		For Class 54 Rating, Add	*5,012.99*	
		For Class 55 Rating, Add	*7,475.03*	
		For Class 56 Rating, Add	*9,903.93*	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,612.73	2,402.58
		For Class 52 Rating, Deduct	*-3,736.97*	
		For Class 54 Rating, Add	*5,139.55*	
		For Class 55 Rating, Add	*7,663.23*	
		For Class 56 Rating, Add	*10,152.93*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,462.60	2,406.97
		For Class 52 Rating, Deduct	*-3,829.72*	
		For Class 54 Rating, Add	*5,266.12*	
		For Class 55 Rating, Add	*7,851.42*	
		For Class 56 Rating, Add	*10,401.91*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,312.49	2,411.37
		For Class 52 Rating, Deduct	*-3,922.48*	
		For Class 54 Rating, Add	*5,392.68*	
		For Class 55 Rating, Add	*8,039.62*	
		For Class 56 Rating, Add	*10,650.91*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,162.37	2,415.75
		For Class 52 Rating, Deduct	*-4,015.23*	
		For Class 54 Rating, Add	*5,519.24*	
		For Class 55 Rating, Add	*8,227.82*	
		For Class 56 Rating, Add	*10,899.90*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,012.25	2,420.15
		For Class 52 Rating, Deduct	*-4,107.99*	
		For Class 54 Rating, Add	*5,645.81*	
		For Class 55 Rating, Add	*8,416.02*	
		For Class 56 Rating, Add	*11,148.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,862.12	2,424.54
		For Class 52 Rating, Deduct	*-4,200.74*	
		For Class 54 Rating, Add	*5,772.37*	
		For Class 55 Rating, Add	*8,604.22*	
		For Class 56 Rating, Add	*11,397.88*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,712.01	2,428.94
		For Class 52 Rating, Deduct	*-4,293.50*	
		For Class 54 Rating, Add	*5,898.93*	
		For Class 55 Rating, Add	*8,792.42*	
		For Class 56 Rating, Add	*11,646.87*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,561.89	2,433.32
		For Class 52 Rating, Deduct	*-4,386.25*	
		For Class 54 Rating, Add	*6,025.50*	
		For Class 55 Rating, Add	*8,980.62*	
		For Class 56 Rating, Add	*11,895.86*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,411.77	2,437.72
		For Class 52 Rating, Deduct	*-4,479.01*	
		For Class 54 Rating, Add	*6,152.06*	
		For Class 55 Rating, Add	*9,168.82*	
		For Class 56 Rating, Add	*12,144.85*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,261.65	2,442.11
		For Class 52 Rating, Deduct	*-4,571.76*	
		For Class 54 Rating, Add	*6,278.63*	
		For Class 55 Rating, Add	*9,357.02*	
		For Class 56 Rating, Add	*12,393.85*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,111.53	2,446.50
		For Class 52 Rating, Deduct	*-4,664.52*	
		For Class 54 Rating, Add	*6,405.19*	
		For Class 55 Rating, Add	*9,545.21*	
		For Class 56 Rating, Add	*12,642.83*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,961.41	2,450.89
		For Class 52 Rating, Deduct	*-4,757.27*	
		For Class 54 Rating, Add	*6,531.75*	
		For Class 55 Rating, Add	*9,733.41*	
		For Class 56 Rating, Add	*12,891.83*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,811.29	2,455.29
		For Class 52 Rating, Deduct	*-4,850.03*	
		For Class 54 Rating, Add	*6,658.32*	
		For Class 55 Rating, Add	*9,921.61*	
		For Class 56 Rating, Add	*13,140.82*	

40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,577.26	2,890.12
		For Class 52 Rating, Deduct	*-1,891.81*	
		For Class 54 Rating, Add	*2,632.29*	
		For Class 55 Rating, Add	*3,940.31*	
		For Class 56 Rating, Add	*5,231.14*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,843.73	2,894.51
		For Class 52 Rating, Deduct	*-2,030.39*	
		For Class 54 Rating, Add	*2,821.34*	
		For Class 55 Rating, Add	*4,221.41*	
		For Class 56 Rating, Add	*5,603.02*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,095.16	2,898.91
		For Class 52 Rating, Deduct	*-2,167.32*	
		For Class 54 Rating, Add	*3,008.14*	
		For Class 55 Rating, Add	*4,499.15*	
		For Class 56 Rating, Add	*5,970.47*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,359.12	2,903.30
		For Class 52 Rating, Deduct	*-2,305.62*	
		For Class 54 Rating, Add	*3,196.81*	
		For Class 55 Rating, Add	*4,779.69*	
		For Class 56 Rating, Add	*6,341.61*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,610.53	2,907.69
		For Class 52 Rating, Deduct	*-2,442.54*	
		For Class 54 Rating, Add	*3,383.61*	
		For Class 55 Rating, Add	*5,057.44*	
		For Class 56 Rating, Add	*6,709.06*	
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,877.01	2,912.08
		For Class 52 Rating, Deduct	*-2,581.12*	
		For Class 54 Rating, Add	*3,572.66*	
		For Class 55 Rating, Add	*5,338.54*	
		For Class 56 Rating, Add	*7,080.95*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,125.91	2,916.48
		For Class 52 Rating, Deduct	*-2,717.77*	
		For Class 54 Rating, Add	*3,759.08*	
		For Class 55 Rating, Add	*5,615.72*	
		For Class 56 Rating, Add	*7,447.65*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,392.39	2,920.86
		For Class 52 Rating, Deduct	*-2,856.35*	
		For Class 54 Rating, Add	*3,948.13*	
		For Class 55 Rating, Add	*5,896.82*	
		For Class 56 Rating, Add	*7,819.54*	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,643.80	2,925.26
		For Class 52 Rating, Deduct	*-2,993.27*	
		For Class 54 Rating, Add	*4,134.93*	
		For Class 55 Rating, Add	*6,174.56*	
		For Class 56 Rating, Add	*8,186.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,907.77	2,929.65
		For Class 52 Rating, Deduct	*-3,131.58*	
		For Class 54 Rating, Add	*4,323.60*	
		For Class 55 Rating, Add	*6,455.10*	
		For Class 56 Rating, Add	*8,558.12*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,159.18	2,934.05
		For Class 52 Rating, Deduct	*-3,268.50*	
		For Class 54 Rating, Add	*4,510.40*	
		For Class 55 Rating, Add	*6,732.84*	
		For Class 56 Rating, Add	*8,925.57*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,423.14	2,938.43
		For Class 52 Rating, Deduct	*-3,406.81*	
		For Class 54 Rating, Add	*4,699.07*	
		For Class 55 Rating, Add	*7,013.38*	
		For Class 56 Rating, Add	*9,296.71*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,674.58	2,942.83
		For Class 52 Rating, Deduct	*-3,543.73*	
		For Class 54 Rating, Add	*4,885.87*	
		For Class 55 Rating, Add	*7,291.12*	
		For Class 56 Rating, Add	*9,664.16*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,928.50	2,947.22
		For Class 52 Rating, Deduct	*-3,680.93*	
		For Class 54 Rating, Add	*5,073.04*	
		For Class 55 Rating, Add	*7,569.42*	
		For Class 56 Rating, Add	*10,032.35*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,189.95	2,951.62
		For Class 52 Rating, Deduct	*-3,818.96*	
		For Class 54 Rating, Add	*5,261.34*	
		For Class 55 Rating, Add	*7,849.40*	
		For Class 56 Rating, Add	*10,402.75*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,441.36	2,956.00
		For Class 52 Rating, Deduct	*-3,955.88*	
		For Class 54 Rating, Add	*5,448.13*	
		For Class 55 Rating, Add	*8,127.14*	
		For Class 56 Rating, Add	*10,770.19*	
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,707.85	2,960.40
		For Class 52 Rating, Deduct	*-4,094.46*	
		For Class 54 Rating, Add	*5,637.18*	
		For Class 55 Rating, Add	*8,408.24*	
		For Class 56 Rating, Add	*11,142.08*	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,959.26	2,964.79
		For Class 52 Rating, Deduct	*-4,231.39*	
		For Class 54 Rating, Add	*5,823.98*	
		For Class 55 Rating, Add	*8,685.99*	
		For Class 56 Rating, Add	*11,509.53*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,223.22	2,969.18
		For Class 52 Rating, Deduct	*-4,369.69*	
		For Class 54 Rating, Add	*6,012.65*	
		For Class 55 Rating, Add	*8,966.52*	
		For Class 56 Rating, Add	*11,880.67*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,474.64	2,973.57
		For Class 52 Rating, Deduct	*-4,506.61*	
		For Class 54 Rating, Add	*6,199.45*	
		For Class 55 Rating, Add	*9,244.27*	
		For Class 56 Rating, Add	*12,248.12*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,741.11	2,977.97
		For Class 52 Rating, Deduct	*-4,645.19*	
		For Class 54 Rating, Add	*6,388.50*	
		For Class 55 Rating, Add	*9,525.37*	
		For Class 56 Rating, Add	*12,620.00*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,992.53	2,982.36
		For Class 52 Rating, Deduct	*-4,782.12*	
		For Class 54 Rating, Add	*6,575.29*	
		For Class 55 Rating, Add	*9,803.11*	
		For Class 56 Rating, Add	*12,987.45*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,256.49	2,986.75
		For Class 52 Rating, Deduct	*-4,920.42*	
		For Class 54 Rating, Add	*6,763.97*	
		For Class 55 Rating, Add	*10,083.65*	
		For Class 56 Rating, Add	*13,358.59*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,507.91	2,991.14
		For Class 52 Rating, Deduct	*-5,057.35*	
		For Class 54 Rating, Add	*6,950.76*	
		For Class 55 Rating, Add	*10,361.39*	
		For Class 56 Rating, Add	*13,726.04*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,774.38	2,995.54
		For Class 52 Rating, Deduct	*-5,195.93*	
		For Class 54 Rating, Add	*7,139.82*	
		For Class 55 Rating, Add	*10,642.49*	
		For Class 56 Rating, Add	*14,097.92*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,025.79	2,999.92
		For Class 52 Rating, Deduct	*-5,332.85*	
		For Class 54 Rating, Add	*7,326.61*	
		For Class 55 Rating, Add	*10,920.23*	
		For Class 56 Rating, Add	*14,465.36*	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,287.25	3,004.32
		For Class 52 Rating, Deduct	*-5,470.88*	
		For Class 54 Rating, Add	*7,514.91*	
		For Class 55 Rating, Add	*11,200.21*	
		For Class 56 Rating, Add	*14,835.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,541.18	3,008.71
		For Class 52 Rating, Deduct	*-5,608.08*	
		For Class 54 Rating, Add	*7,702.08*	
		For Class 55 Rating, Add	*11,478.51*	
		For Class 56 Rating, Add	*15,203.96*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,541.64	3,013.11
		For Class 52 Rating, Deduct	*-5,717.40*	
		For Class 54 Rating, Add	*7,851.23*	
		For Class 55 Rating, Add	*11,700.29*	
		For Class 56 Rating, Add	*15,497.37*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,056.56	3,017.49
		For Class 52 Rating, Deduct	*-5,883.31*	
		For Class 54 Rating, Add	*8,077.55*	
		For Class 55 Rating, Add	*12,036.79*	
		For Class 56 Rating, Add	*15,942.55*	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,307.99	3,021.89
		For Class 52 Rating, Deduct	*-6,020.23*	
		For Class 54 Rating, Add	*8,264.35*	
		For Class 55 Rating, Add	*12,314.53*	
		For Class 56 Rating, Add	*16,309.99*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,571.95	3,026.28
		For Class 52 Rating, Deduct	*-6,158.53*	
		For Class 54 Rating, Add	*8,453.02*	
		For Class 55 Rating, Add	*12,595.07*	
		For Class 56 Rating, Add	*16,681.14*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,823.36	3,030.68
		For Class 52 Rating, Deduct	*-6,295.46*	
		For Class 54 Rating, Add	*8,639.82*	
		For Class 55 Rating, Add	*12,872.82*	
		For Class 56 Rating, Add	*17,048.58*	
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,089.83	3,035.06
		For Class 52 Rating, Deduct	*-6,434.04*	
		For Class 54 Rating, Add	*8,828.87*	
		For Class 55 Rating, Add	*13,153.91*	
		For Class 56 Rating, Add	*17,420.47*	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,338.74	3,039.46
		For Class 52 Rating, Deduct	*-6,570.69*	
		For Class 54 Rating, Add	*9,015.29*	
		For Class 55 Rating, Add	*13,431.10*	
		For Class 56 Rating, Add	*17,787.17*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,605.22	3,043.85
		For Class 52 Rating, Deduct	*-6,709.27*	
		For Class 54 Rating, Add	*9,204.34*	
		For Class 55 Rating, Add	*13,712.20*	
		For Class 56 Rating, Add	*18,159.06*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,856.63	3,048.24
		For Class 52 Rating, Deduct	*-6,846.19*	
		For Class 54 Rating, Add	*9,391.13*	
		For Class 55 Rating, Add	*13,989.94*	
		For Class 56 Rating, Add	*18,526.50*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,120.60	3,052.63
		For Class 52 Rating, Deduct	*-6,984.49*	
		For Class 54 Rating, Add	*9,579.81*	
		For Class 55 Rating, Add	*14,270.48*	
		For Class 56 Rating, Add	*18,897.65*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,066.15	3,632.42
		For Class 52 Rating, Deduct	*-2,371.87*	
		For Class 54 Rating, Add	*3,300.42*	
		For Class 55 Rating, Add	*4,940.52*	
		For Class 56 Rating, Add	*6,559.06*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,907.32	3,636.81
		For Class 52 Rating, Deduct	*-2,573.67*	
		For Class 54 Rating, Add	*3,575.67*	
		For Class 55 Rating, Add	*5,349.78*	
		For Class 56 Rating, Add	*7,100.49*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,745.98	3,641.20
		For Class 52 Rating, Deduct	*-2,775.19*	
		For Class 54 Rating, Add	*3,850.56*	
		For Class 55 Rating, Add	*5,758.48*	
		For Class 56 Rating, Add	*7,641.17*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,599.70	3,645.60
		For Class 52 Rating, Deduct	*-2,978.37*	
		For Class 54 Rating, Add	*4,127.69*	
		For Class 55 Rating, Add	*6,170.53*	
		For Class 56 Rating, Add	*8,186.29*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,440.87	3,649.98
		For Class 52 Rating, Deduct	*-3,180.16*	
		For Class 54 Rating, Add	*4,402.95*	
		For Class 55 Rating, Add	*6,579.79*	
		For Class 56 Rating, Add	*8,727.71*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,282.05	3,654.38
		For Class 52 Rating, Deduct	*-3,381.96*	
		For Class 54 Rating, Add	*4,678.21*	
		For Class 55 Rating, Add	*6,989.05*	
		For Class 56 Rating, Add	*9,269.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,133.26	3,658.77
		For Class 52 Rating, Deduct	*-3,584.86*	
		For Class 54 Rating, Add	*4,954.97*	
		For Class 55 Rating, Add	*7,400.54*	
		For Class 56 Rating, Add	*9,813.52*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,976.94	3,663.17
		For Class 52 Rating, Deduct	*-3,786.94*	
		For Class 54 Rating, Add	*5,230.61*	
		For Class 55 Rating, Add	*7,810.36*	
		For Class 56 Rating, Add	*10,355.68*	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,815.60	3,667.55
		For Class 52 Rating, Deduct	*-3,988.46*	
		For Class 54 Rating, Add	*5,505.49*	
		For Class 55 Rating, Add	*8,219.06*	
		For Class 56 Rating, Add	*10,896.36*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,669.33	3,671.95
		For Class 52 Rating, Deduct	*-4,191.63*	
		For Class 54 Rating, Add	*5,782.63*	
		For Class 55 Rating, Add	*8,631.11*	
		For Class 56 Rating, Add	*11,441.49*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,510.50	3,676.34
		For Class 52 Rating, Deduct	*-4,393.43*	
		For Class 54 Rating, Add	*6,057.88*	
		For Class 55 Rating, Add	*9,040.37*	
		For Class 56 Rating, Add	*11,982.91*	
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,364.22	3,680.73
		For Class 52 Rating, Deduct	*-4,596.61*	
		For Class 54 Rating, Add	*6,335.02*	
		For Class 55 Rating, Add	*9,452.42*	
		For Class 56 Rating, Add	*12,528.04*	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,202.88	3,685.12
		For Class 52 Rating, Deduct	*-4,798.13*	
		For Class 54 Rating, Add	*6,609.91*	
		For Class 55 Rating, Add	*9,861.12*	
		For Class 56 Rating, Add	*13,068.72*	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,044.05	3,689.52
		For Class 52 Rating, Deduct	*-4,999.93*	
		For Class 54 Rating, Add	*6,885.16*	
		For Class 55 Rating, Add	*10,270.38*	
		For Class 56 Rating, Add	*13,610.14*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,897.78	3,693.91
		For Class 52 Rating, Deduct	*-5,203.10*	
		For Class 54 Rating, Add	*7,162.30*	
		For Class 55 Rating, Add	*10,682.43*	
		For Class 56 Rating, Add	*14,155.26*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,738.95	3,698.30
		For Class 52 Rating, Deduct	*-5,404.90*	
		For Class 54 Rating, Add	*7,437.56*	
		For Class 55 Rating, Add	*11,091.69*	
		For Class 56 Rating, Add	*14,696.69*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,577.61	3,702.69
		For Class 52 Rating, Deduct	*-5,606.42*	
		For Class 54 Rating, Add	*7,712.44*	
		For Class 55 Rating, Add	*11,500.39*	
		For Class 56 Rating, Add	*15,237.37*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,431.33	3,707.09
		For Class 52 Rating, Deduct	*-5,809.60*	
		For Class 54 Rating, Add	*7,989.58*	
		For Class 55 Rating, Add	*11,912.44*	
		For Class 56 Rating, Add	*15,782.49*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,272.50	3,711.48
		For Class 52 Rating, Deduct	*-6,011.40*	
		For Class 54 Rating, Add	*8,264.84*	
		For Class 55 Rating, Add	*12,321.70*	
		For Class 56 Rating, Add	*16,323.91*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,111.17	3,715.87
		For Class 52 Rating, Deduct	*-6,212.92*	
		For Class 54 Rating, Add	*8,539.72*	
		For Class 55 Rating, Add	*12,730.40*	
		For Class 56 Rating, Add	*16,864.60*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,964.88	3,720.26
		For Class 52 Rating, Deduct	*-6,416.09*	
		For Class 54 Rating, Add	*8,816.86*	
		For Class 55 Rating, Add	*13,142.45*	
		For Class 56 Rating, Add	*17,409.72*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,808.57	3,724.66
		For Class 52 Rating, Deduct	*-6,618.17*	
		For Class 54 Rating, Add	*9,092.49*	
		For Class 55 Rating, Add	*13,552.27*	
		For Class 56 Rating, Add	*17,951.88*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,647.23	3,729.04
		For Class 52 Rating, Deduct	*-6,819.69*	
		For Class 54 Rating, Add	*9,367.37*	
		For Class 55 Rating, Add	*13,960.97*	
		For Class 56 Rating, Add	*18,492.56*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,500.95	3,733.44
		For Class 52 Rating, Deduct	*-7,022.86*	
		For Class 54 Rating, Add	*9,644.51*	
		For Class 55 Rating, Add	*14,373.02*	
		For Class 56 Rating, Add	*19,037.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,342.13	3,737.83
		For Class 52 Rating, Deduct	*-7,224.66*	
		For Class 54 Rating, Add	*9,919.77*	
		For Class 55 Rating, Add	*14,782.28*	
		For Class 56 Rating, Add	*19,579.11*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,180.79	3,742.23
		For Class 52 Rating, Deduct	*-7,426.18*	
		For Class 54 Rating, Add	*10,194.65*	
		For Class 55 Rating, Add	*15,190.98*	
		For Class 56 Rating, Add	*20,119.79*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,034.51	3,746.61
		For Class 52 Rating, Deduct	*-7,629.36*	
		For Class 54 Rating, Add	*10,471.79*	
		For Class 55 Rating, Add	*15,603.03*	
		For Class 56 Rating, Add	*20,664.92*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,875.67	3,751.01
		For Class 52 Rating, Deduct	*-7,831.16*	
		For Class 54 Rating, Add	*10,747.05*	
		For Class 55 Rating, Add	*16,012.29*	
		For Class 56 Rating, Add	*21,206.34*	
40 05 19 00-0544	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,491.00	3,755.40
		For Class 52 Rating, Deduct	*-8,008.11*	
		For Class 54 Rating, Add	*10,988.43*	
		For Class 55 Rating, Add	*16,371.18*	
		For Class 56 Rating, Add	*21,681.13*	
40 05 19 00-0545	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,570.58	3,759.79
		For Class 52 Rating, Deduct	*-8,236.13*	
		For Class 54 Rating, Add	*11,299.45*	
		For Class 55 Rating, Add	*16,833.60*	
		For Class 56 Rating, Add	*22,292.89*	
40 05 19 00-0546	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,409.23	3,764.18
		For Class 52 Rating, Deduct	*-8,437.65*	
		For Class 54 Rating, Add	*11,574.33*	
		For Class 55 Rating, Add	*17,242.30*	
		For Class 56 Rating, Add	*22,833.57*	
40 05 19 00-0547	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,265.46	3,768.58
		For Class 52 Rating, Deduct	*-8,641.11*	
		For Class 54 Rating, Add	*11,851.84*	
		For Class 55 Rating, Add	*17,654.92*	
		For Class 56 Rating, Add	*23,379.43*	
40 05 19 00-0548	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	86,104.13	3,772.97
		For Class 52 Rating, Deduct	*-8,842.63*	
		For Class 54 Rating, Add	*12,126.73*	
		For Class 55 Rating, Add	*18,063.61*	
		For Class 56 Rating, Add	*23,920.11*	
40 05 19 00-0549	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	87,942.80	3,777.36
		For Class 52 Rating, Deduct	*-9,044.15*	
		For Class 54 Rating, Add	*12,401.61*	
		For Class 55 Rating, Add	*18,472.31*	
		For Class 56 Rating, Add	*24,460.80*	
40 05 19 00-0550	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	89,799.02	3,781.75
		For Class 52 Rating, Deduct	*-9,247.60*	
		For Class 54 Rating, Add	*12,679.12*	
		For Class 55 Rating, Add	*18,884.93*	
		For Class 56 Rating, Add	*25,006.66*	
40 05 19 00-0551	EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	91,637.69	3,786.15
		For Class 52 Rating, Deduct	*-9,449.12*	
		For Class 54 Rating, Add	*12,954.00*	
		For Class 55 Rating, Add	*19,293.62*	
		For Class 56 Rating, Add	*25,547.34*	
40 05 19 00-0552	EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	93,478.86	3,790.54
		For Class 52 Rating, Deduct	*-9,650.92*	
		For Class 54 Rating, Add	*13,229.26*	
		For Class 55 Rating, Add	*19,702.88*	
		For Class 56 Rating, Add	*26,088.76*	
40 05 19 00-0553	EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	95,332.58	3,794.93
		For Class 52 Rating, Deduct	*-9,854.09*	
		For Class 54 Rating, Add	*13,506.40*	
		For Class 55 Rating, Add	*20,114.94*	
		For Class 56 Rating, Add	*26,633.89*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0556	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	731.16	200.99
		For Class 52 Rating, Deduct	*-46.93*	
		For Class 54 Rating, Add	*67.65*	
		For Class 55 Rating, Add	*102.45*	
		For Class 56 Rating, Add	*136.82*	
40 05 19 00-0557	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	801.73	204.51
		For Class 52 Rating, Deduct	*-54.11*	
		For Class 54 Rating, Add	*77.50*	
		For Class 55 Rating, Add	*117.13*	
		For Class 56 Rating, Add	*156.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	872.31	208.02
		For Class 52 Rating, Deduct	*-61.28*	
		For Class 54 Rating, Add	*87.35*	
		For Class 55 Rating, Add	*131.80*	
		For Class 56 Rating, Add	*175.70*	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	942.88	211.53
		For Class 52 Rating, Deduct	*-68.46*	
		For Class 54 Rating, Add	*97.20*	
		For Class 55 Rating, Add	*146.48*	
		For Class 56 Rating, Add	*195.14*	
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,013.46	215.05
		For Class 52 Rating, Deduct	*-75.64*	
		For Class 54 Rating, Add	*107.05*	
		For Class 55 Rating, Add	*161.16*	
		For Class 56 Rating, Add	*214.58*	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,084.04	218.56
		For Class 52 Rating, Deduct	*-82.82*	
		For Class 54 Rating, Add	*116.91*	
		For Class 55 Rating, Add	*175.84*	
		For Class 56 Rating, Add	*234.02*	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,154.60	222.08
		For Class 52 Rating, Deduct	*-89.99*	
		For Class 54 Rating, Add	*126.76*	
		For Class 55 Rating, Add	*190.52*	
		For Class 56 Rating, Add	*253.46*	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,225.18	225.59
		For Class 52 Rating, Deduct	*-97.17*	
		For Class 54 Rating, Add	*136.61*	
		For Class 55 Rating, Add	*205.20*	
		For Class 56 Rating, Add	*272.90*	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,295.75	229.10
		For Class 52 Rating, Deduct	*-104.35*	
		For Class 54 Rating, Add	*146.46*	
		For Class 55 Rating, Add	*219.88*	
		For Class 56 Rating, Add	*292.34*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,366.33	232.62
		For Class 52 Rating, Deduct	*-111.53*	
		For Class 54 Rating, Add	*156.31*	
		For Class 55 Rating, Add	*234.55*	
		For Class 56 Rating, Add	*311.78*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.90	236.13
		For Class 52 Rating, Deduct	*-118.70*	
		For Class 54 Rating, Add	*166.16*	
		For Class 55 Rating, Add	*249.23*	
		For Class 56 Rating, Add	*331.22*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,507.47	239.64
		For Class 52 Rating, Deduct	*-125.88*	
		For Class 54 Rating, Add	*176.01*	
		For Class 55 Rating, Add	*263.91*	
		For Class 56 Rating, Add	*350.66*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,578.05	243.16
		For Class 52 Rating, Deduct	*-133.06*	
		For Class 54 Rating, Add	*185.87*	
		For Class 55 Rating, Add	*278.59*	
		For Class 56 Rating, Add	*370.10*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,648.62	246.67
		For Class 52 Rating, Deduct	*-140.24*	
		For Class 54 Rating, Add	*195.72*	
		For Class 55 Rating, Add	*293.27*	
		For Class 56 Rating, Add	*389.54*	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,719.20	250.19
		For Class 52 Rating, Deduct	*-147.41*	
		For Class 54 Rating, Add	*205.57*	
		For Class 55 Rating, Add	*307.95*	
		For Class 56 Rating, Add	*408.98*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,789.77	253.70
		For Class 52 Rating, Deduct	*-154.59*	
		For Class 54 Rating, Add	*215.42*	
		For Class 55 Rating, Add	*322.63*	
		For Class 56 Rating, Add	*428.43*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,860.35	257.21
		For Class 52 Rating, Deduct	*-161.77*	
		For Class 54 Rating, Add	*225.27*	
		For Class 55 Rating, Add	*337.30*	
		For Class 56 Rating, Add	*447.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,930.91	260.73
		For Class 52 Rating, Deduct	*-168.95*	
		For Class 54 Rating, Add	*235.12*	
		For Class 55 Rating, Add	*351.98*	
		For Class 56 Rating, Add	*467.31*	
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,001.48	264.24
		For Class 52 Rating, Deduct	*-176.12*	
		For Class 54 Rating, Add	*244.97*	
		For Class 55 Rating, Add	*366.66*	
		For Class 56 Rating, Add	*486.74*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,072.06	267.75
		For Class 52 Rating, Deduct	*-183.30*	
		For Class 54 Rating, Add	*254.82*	
		For Class 55 Rating, Add	*381.34*	
		For Class 56 Rating, Add	*506.18*	
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,142.63	271.27
		For Class 52 Rating, Deduct	*-190.48*	
		For Class 54 Rating, Add	*264.68*	
		For Class 55 Rating, Add	*396.02*	
		For Class 56 Rating, Add	*525.62*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,213.21	274.78
		For Class 52 Rating, Deduct	*-197.66*	
		For Class 54 Rating, Add	*274.53*	
		For Class 55 Rating, Add	*410.69*	
		For Class 56 Rating, Add	*545.06*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,283.78	278.30
		For Class 52 Rating, Deduct	*-204.83*	
		For Class 54 Rating, Add	*284.38*	
		For Class 55 Rating, Add	*425.37*	
		For Class 56 Rating, Add	*564.51*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,354.35	281.81
		For Class 52 Rating, Deduct	*-212.01*	
		For Class 54 Rating, Add	*294.23*	
		For Class 55 Rating, Add	*440.05*	
		For Class 56 Rating, Add	*583.95*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,424.93	285.32
		For Class 52 Rating, Deduct	*-219.19*	
		For Class 54 Rating, Add	*304.08*	
		For Class 55 Rating, Add	*454.73*	
		For Class 56 Rating, Add	*603.39*	
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,495.50	288.84
		For Class 52 Rating, Deduct	*-226.37*	
		For Class 54 Rating, Add	*313.93*	
		For Class 55 Rating, Add	*469.41*	
		For Class 56 Rating, Add	*622.83*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,566.08	292.35
		For Class 52 Rating, Deduct	*-233.54*	
		For Class 54 Rating, Add	*323.78*	
		For Class 55 Rating, Add	*484.09*	
		For Class 56 Rating, Add	*642.27*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,636.65	295.86
		For Class 52 Rating, Deduct	*-240.72*	
		For Class 54 Rating, Add	*333.63*	
		For Class 55 Rating, Add	*498.77*	
		For Class 56 Rating, Add	*661.71*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,707.23	299.38
		For Class 52 Rating, Deduct	*-247.90*	
		For Class 54 Rating, Add	*343.49*	
		For Class 55 Rating, Add	*513.44*	
		For Class 56 Rating, Add	*681.15*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,777.79	302.89
		For Class 52 Rating, Deduct	*-255.08*	
		For Class 54 Rating, Add	*353.34*	
		For Class 55 Rating, Add	*528.12*	
		For Class 56 Rating, Add	*700.59*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,848.37	306.41
		For Class 52 Rating, Deduct	*-262.25*	
		For Class 54 Rating, Add	*363.19*	
		For Class 55 Rating, Add	*542.80*	
		For Class 56 Rating, Add	*720.03*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,918.95	309.92
		For Class 52 Rating, Deduct	*-269.43*	
		For Class 54 Rating, Add	*373.04*	
		For Class 55 Rating, Add	*557.48*	
		For Class 56 Rating, Add	*739.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,989.52	313.43
		For Class 52 Rating, Deduct	*-276.61*	
		For Class 54 Rating, Add	*382.89*	
		For Class 55 Rating, Add	*572.16*	
		For Class 56 Rating, Add	*758.91*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,060.10	316.95
		For Class 52 Rating, Deduct	*-283.79*	
		For Class 54 Rating, Add	*392.74*	
		For Class 55 Rating, Add	*586.84*	
		For Class 56 Rating, Add	*778.35*	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,130.66	320.46
		For Class 52 Rating, Deduct	*-290.96*	
		For Class 54 Rating, Add	*402.59*	
		For Class 55 Rating, Add	*601.51*	
		For Class 56 Rating, Add	*797.79*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,201.24	323.97
		For Class 52 Rating, Deduct	*-298.14*	
		For Class 54 Rating, Add	*412.45*	
		For Class 55 Rating, Add	*616.19*	
		For Class 56 Rating, Add	*817.23*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,271.81	327.49
		For Class 52 Rating, Deduct	*-305.32*	
		For Class 54 Rating, Add	*422.30*	
		For Class 55 Rating, Add	*630.87*	
		For Class 56 Rating, Add	*836.67*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,342.39	331.00
		For Class 52 Rating, Deduct	*-312.50*	
		For Class 54 Rating, Add	*432.15*	
		For Class 55 Rating, Add	*645.55*	
		For Class 56 Rating, Add	*856.11*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,412.97	334.52
		For Class 52 Rating, Deduct	*-319.67*	
		For Class 54 Rating, Add	*442.00*	
		For Class 55 Rating, Add	*660.23*	
		For Class 56 Rating, Add	*875.55*	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	912.85	252.99
		For Class 52 Rating, Deduct	*-58.25*	
		For Class 54 Rating, Add	*84.03*	
		For Class 55 Rating, Add	*127.28*	
		For Class 56 Rating, Add	*170.01*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	998.48	256.51
		For Class 52 Rating, Deduct	*-67.08*	
		For Class 54 Rating, Add	*96.14*	
		For Class 55 Rating, Add	*145.32*	
		For Class 56 Rating, Add	*193.89*	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,084.11	260.02
		For Class 52 Rating, Deduct	*-75.92*	
		For Class 54 Rating, Add	*108.25*	
		For Class 55 Rating, Add	*163.36*	
		For Class 56 Rating, Add	*217.77*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,169.75	263.53
		For Class 52 Rating, Deduct	*-84.75*	
		For Class 54 Rating, Add	*120.36*	
		For Class 55 Rating, Add	*181.39*	
		For Class 56 Rating, Add	*241.66*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,255.38	267.05
		For Class 52 Rating, Deduct	*-93.58*	
		For Class 54 Rating, Add	*132.47*	
		For Class 55 Rating, Add	*199.43*	
		For Class 56 Rating, Add	*265.54*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,341.01	270.56
		For Class 52 Rating, Deduct	*-102.42*	
		For Class 54 Rating, Add	*144.58*	
		For Class 55 Rating, Add	*217.47*	
		For Class 56 Rating, Add	*289.42*	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.64	274.07
		For Class 52 Rating, Deduct	*-111.25*	
		For Class 54 Rating, Add	*156.69*	
		For Class 55 Rating, Add	*235.50*	
		For Class 56 Rating, Add	*313.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,512.27	277.59
		For Class 52 Rating, Deduct	*-120.08*	
		For Class 54 Rating, Add	*168.80*	
		For Class 55 Rating, Add	*253.54*	
		For Class 56 Rating, Add	*337.19*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,597.90	281.10
		For Class 52 Rating, Deduct	*-128.92*	
		For Class 54 Rating, Add	*180.91*	
		For Class 55 Rating, Add	*271.57*	
		For Class 56 Rating, Add	*361.07*	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,683.53	284.62
		For Class 52 Rating, Deduct	*-137.75*	
		For Class 54 Rating, Add	*193.02*	
		For Class 55 Rating, Add	*289.61*	
		For Class 56 Rating, Add	*384.95*	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,769.17	288.13
		For Class 52 Rating, Deduct	*-146.59*	
		For Class 54 Rating, Add	*205.13*	
		For Class 55 Rating, Add	*307.65*	
		For Class 56 Rating, Add	*408.83*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,854.79	291.64
		For Class 52 Rating, Deduct	*-155.42*	
		For Class 54 Rating, Add	*217.24*	
		For Class 55 Rating, Add	*325.68*	
		For Class 56 Rating, Add	*432.71*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,940.42	295.16
		For Class 52 Rating, Deduct	*-164.25*	
		For Class 54 Rating, Add	*229.35*	
		For Class 55 Rating, Add	*343.72*	
		For Class 56 Rating, Add	*456.60*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,026.06	298.67
		For Class 52 Rating, Deduct	*-173.09*	
		For Class 54 Rating, Add	*241.46*	
		For Class 55 Rating, Add	*361.76*	
		For Class 56 Rating, Add	*480.48*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,111.69	302.19
		For Class 52 Rating, Deduct	*-181.92*	
		For Class 54 Rating, Add	*253.57*	
		For Class 55 Rating, Add	*379.79*	
		For Class 56 Rating, Add	*504.36*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,197.32	305.70
		For Class 52 Rating, Deduct	*-190.75*	
		For Class 54 Rating, Add	*265.68*	
		For Class 55 Rating, Add	*397.83*	
		For Class 56 Rating, Add	*528.24*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,282.95	309.21
		For Class 52 Rating, Deduct	*-199.59*	
		For Class 54 Rating, Add	*277.79*	
		For Class 55 Rating, Add	*415.86*	
		For Class 56 Rating, Add	*552.13*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,368.58	312.73
		For Class 52 Rating, Deduct	*-208.42*	
		For Class 54 Rating, Add	*289.90*	
		For Class 55 Rating, Add	*433.90*	
		For Class 56 Rating, Add	*576.01*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,454.22	316.24
		For Class 52 Rating, Deduct	*-217.26*	
		For Class 54 Rating, Add	*302.01*	
		For Class 55 Rating, Add	*451.94*	
		For Class 56 Rating, Add	*599.89*	
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,539.84	319.75
		For Class 52 Rating, Deduct	*-226.09*	
		For Class 54 Rating, Add	*314.12*	
		For Class 55 Rating, Add	*469.97*	
		For Class 56 Rating, Add	*623.77*	
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,625.48	323.27
		For Class 52 Rating, Deduct	*-234.92*	
		For Class 54 Rating, Add	*326.23*	
		For Class 55 Rating, Add	*488.01*	
		For Class 56 Rating, Add	*647.66*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,711.11	326.78
		For Class 52 Rating, Deduct	*-243.76*	
		For Class 54 Rating, Add	*338.34*	
		For Class 55 Rating, Add	*506.05*	
		For Class 56 Rating, Add	*671.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,796.74	330.30
		For Class 52 Rating, Deduct	*-252.59*	
		For Class 54 Rating, Add	*350.45*	
		For Class 55 Rating, Add	*524.08*	
		For Class 56 Rating, Add	*695.42*	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,882.36	333.81
		For Class 52 Rating, Deduct	*-261.42*	
		For Class 54 Rating, Add	*362.56*	
		For Class 55 Rating, Add	*542.12*	
		For Class 56 Rating, Add	*719.30*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,968.00	337.32
		For Class 52 Rating, Deduct	*-270.26*	
		For Class 54 Rating, Add	*374.67*	
		For Class 55 Rating, Add	*560.16*	
		For Class 56 Rating, Add	*743.19*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,053.64	340.84
		For Class 52 Rating, Deduct	*-279.09*	
		For Class 54 Rating, Add	*386.78*	
		For Class 55 Rating, Add	*578.19*	
		For Class 56 Rating, Add	*767.07*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,139.26	344.35
		For Class 52 Rating, Deduct	*-287.93*	
		For Class 54 Rating, Add	*398.89*	
		For Class 55 Rating, Add	*596.23*	
		For Class 56 Rating, Add	*790.95*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,224.90	347.86
		For Class 52 Rating, Deduct	*-296.76*	
		For Class 54 Rating, Add	*411.00*	
		For Class 55 Rating, Add	*614.26*	
		For Class 56 Rating, Add	*814.83*	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,310.53	351.38
		For Class 52 Rating, Deduct	*-305.59*	
		For Class 54 Rating, Add	*423.11*	
		For Class 55 Rating, Add	*632.30*	
		For Class 56 Rating, Add	*838.71*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,396.15	354.89
		For Class 52 Rating, Deduct	*-314.43*	
		For Class 54 Rating, Add	*435.22*	
		For Class 55 Rating, Add	*650.34*	
		For Class 56 Rating, Add	*862.59*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,481.78	358.41
		For Class 52 Rating, Deduct	*-323.26*	
		For Class 54 Rating, Add	*447.33*	
		For Class 55 Rating, Add	*668.37*	
		For Class 56 Rating, Add	*886.48*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,567.42	361.92
		For Class 52 Rating, Deduct	*-332.10*	
		For Class 54 Rating, Add	*459.44*	
		For Class 55 Rating, Add	*686.41*	
		For Class 56 Rating, Add	*910.36*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,653.06	365.43
		For Class 52 Rating, Deduct	*-340.93*	
		For Class 54 Rating, Add	*471.55*	
		For Class 55 Rating, Add	*704.45*	
		For Class 56 Rating, Add	*934.24*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,738.68	368.95
		For Class 52 Rating, Deduct	*-349.76*	
		For Class 54 Rating, Add	*483.66*	
		For Class 55 Rating, Add	*722.48*	
		For Class 56 Rating, Add	*958.12*	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,824.31	372.46
		For Class 52 Rating, Deduct	*-358.60*	
		For Class 54 Rating, Add	*495.77*	
		For Class 55 Rating, Add	*740.52*	
		For Class 56 Rating, Add	*982.01*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,909.94	375.97
		For Class 52 Rating, Deduct	*-367.43*	
		For Class 54 Rating, Add	*507.88*	
		For Class 55 Rating, Add	*758.55*	
		For Class 56 Rating, Add	*1,005.89*	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,995.57	379.49
		For Class 52 Rating, Deduct	*-376.26*	
		For Class 54 Rating, Add	*519.99*	
		For Class 55 Rating, Add	*776.59*	
		For Class 56 Rating, Add	*1,029.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,081.20	383.00
		For Class 52 Rating, Deduct	*-385.10*	
		For Class 54 Rating, Add	*532.10*	
		For Class 55 Rating, Add	*794.63*	
		For Class 56 Rating, Add	*1,053.65*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,166.84	386.53
		For Class 52 Rating, Deduct	*-393.93*	
		For Class 54 Rating, Add	*544.21*	
		For Class 55 Rating, Add	*812.66*	
		For Class 56 Rating, Add	*1,077.54*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,262.77	323.27
		For Class 52 Rating, Deduct	*-85.03*	
		For Class 54 Rating, Add	*121.82*	
		For Class 55 Rating, Add	*184.13*	
		For Class 56 Rating, Add	*245.66*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,378.51	326.78
		For Class 52 Rating, Deduct	*-97.17*	
		For Class 54 Rating, Add	*138.45*	
		For Class 55 Rating, Add	*208.88*	
		For Class 56 Rating, Add	*278.42*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,494.26	330.30
		For Class 52 Rating, Deduct	*-109.32*	
		For Class 54 Rating, Add	*155.08*	
		For Class 55 Rating, Add	*233.63*	
		For Class 56 Rating, Add	*311.19*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,609.99	333.81
		For Class 52 Rating, Deduct	*-121.46*	
		For Class 54 Rating, Add	*171.70*	
		For Class 55 Rating, Add	*258.38*	
		For Class 56 Rating, Add	*343.95*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,725.75	337.32
		For Class 52 Rating, Deduct	*-133.61*	
		For Class 54 Rating, Add	*188.33*	
		For Class 55 Rating, Add	*283.13*	
		For Class 56 Rating, Add	*376.72*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,841.50	340.84
		For Class 52 Rating, Deduct	*-145.76*	
		For Class 54 Rating, Add	*204.96*	
		For Class 55 Rating, Add	*307.88*	
		For Class 56 Rating, Add	*409.49*	
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,957.24	344.35
		For Class 52 Rating, Deduct	*-157.90*	
		For Class 54 Rating, Add	*221.58*	
		For Class 55 Rating, Add	*332.64*	
		For Class 56 Rating, Add	*442.25*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,072.99	347.86
		For Class 52 Rating, Deduct	*-170.05*	
		For Class 54 Rating, Add	*238.21*	
		For Class 55 Rating, Add	*357.39*	
		For Class 56 Rating, Add	*475.02*	
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,188.74	351.38
		For Class 52 Rating, Deduct	*-182.20*	
		For Class 54 Rating, Add	*254.84*	
		For Class 55 Rating, Add	*382.14*	
		For Class 56 Rating, Add	*507.79*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,304.48	354.89
		For Class 52 Rating, Deduct	*-194.34*	
		For Class 54 Rating, Add	*271.47*	
		For Class 55 Rating, Add	*406.89*	
		For Class 56 Rating, Add	*540.55*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,420.22	358.41
		For Class 52 Rating, Deduct	*-206.49*	
		For Class 54 Rating, Add	*288.09*	
		For Class 55 Rating, Add	*431.64*	
		For Class 56 Rating, Add	*573.32*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,535.97	361.92
		For Class 52 Rating, Deduct	*-218.64*	
		For Class 54 Rating, Add	*304.72*	
		For Class 55 Rating, Add	*456.40*	
		For Class 56 Rating, Add	*606.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,651.73	365.43
		For Class 52 Rating, Deduct	*-230.78*	
		For Class 54 Rating, Add	*321.35*	
		For Class 55 Rating, Add	*481.15*	
		For Class 56 Rating, Add	*638.85*	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,767.47	368.95
		For Class 52 Rating, Deduct	*-242.93*	
		For Class 54 Rating, Add	*337.98*	
		For Class 55 Rating, Add	*505.90*	
		For Class 56 Rating, Add	*671.62*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,883.21	372.46
		For Class 52 Rating, Deduct	*-255.08*	
		For Class 54 Rating, Add	*354.60*	
		For Class 55 Rating, Add	*530.65*	
		For Class 56 Rating, Add	*704.38*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,998.95	375.97
		For Class 52 Rating, Deduct	*-267.22*	
		For Class 54 Rating, Add	*371.23*	
		For Class 55 Rating, Add	*555.40*	
		For Class 56 Rating, Add	*737.15*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,114.71	379.49
		For Class 52 Rating, Deduct	*-279.37*	
		For Class 54 Rating, Add	*387.86*	
		For Class 55 Rating, Add	*580.16*	
		For Class 56 Rating, Add	*769.92*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,230.45	383.00
		For Class 52 Rating, Deduct	*-291.52*	
		For Class 54 Rating, Add	*404.48*	
		For Class 55 Rating, Add	*604.91*	
		For Class 56 Rating, Add	*802.68*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,346.20	386.53
		For Class 52 Rating, Deduct	*-303.66*	
		For Class 54 Rating, Add	*421.11*	
		For Class 55 Rating, Add	*629.66*	
		For Class 56 Rating, Add	*835.45*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,461.95	390.04
		For Class 52 Rating, Deduct	*-315.81*	
		For Class 54 Rating, Add	*437.74*	
		For Class 55 Rating, Add	*654.41*	
		For Class 56 Rating, Add	*868.21*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,577.68	393.55
		For Class 52 Rating, Deduct	*-327.95*	
		For Class 54 Rating, Add	*454.37*	
		For Class 55 Rating, Add	*679.16*	
		For Class 56 Rating, Add	*900.98*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,693.44	397.07
		For Class 52 Rating, Deduct	*-340.10*	
		For Class 54 Rating, Add	*470.99*	
		For Class 55 Rating, Add	*703.92*	
		For Class 56 Rating, Add	*933.75*	
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,809.18	400.58
		For Class 52 Rating, Deduct	*-352.25*	
		For Class 54 Rating, Add	*487.62*	
		For Class 55 Rating, Add	*728.67*	
		For Class 56 Rating, Add	*966.51*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,924.93	404.09
		For Class 52 Rating, Deduct	*-364.39*	
		For Class 54 Rating, Add	*504.25*	
		For Class 55 Rating, Add	*753.42*	
		For Class 56 Rating, Add	*999.28*	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,040.67	407.61
		For Class 52 Rating, Deduct	*-376.54*	
		For Class 54 Rating, Add	*520.87*	
		For Class 55 Rating, Add	*778.17*	
		For Class 56 Rating, Add	*1,032.04*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,156.43	411.12
		For Class 52 Rating, Deduct	*-388.69*	
		For Class 54 Rating, Add	*537.50*	
		For Class 55 Rating, Add	*802.92*	
		For Class 56 Rating, Add	*1,064.81*	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,272.17	414.64
		For Class 52 Rating, Deduct	*-400.83*	
		For Class 54 Rating, Add	*554.13*	
		For Class 55 Rating, Add	*827.68*	
		For Class 56 Rating, Add	*1,097.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,387.91	418.15
		For Class 52 Rating, Deduct	*-412.98*	
		For Class 54 Rating, Add	*570.76*	
		For Class 55 Rating, Add	*852.43*	
		For Class 56 Rating, Add	*1,130.34*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,503.66	421.66
		For Class 52 Rating, Deduct	*-425.13*	
		For Class 54 Rating, Add	*587.38*	
		For Class 55 Rating, Add	*877.18*	
		For Class 56 Rating, Add	*1,163.11*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,619.41	425.18
		For Class 52 Rating, Deduct	*-437.27*	
		For Class 54 Rating, Add	*604.01*	
		For Class 55 Rating, Add	*901.93*	
		For Class 56 Rating, Add	*1,195.88*	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,735.16	428.69
		For Class 52 Rating, Deduct	*-449.42*	
		For Class 54 Rating, Add	*620.64*	
		For Class 55 Rating, Add	*926.68*	
		For Class 56 Rating, Add	*1,228.64*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,850.89	432.20
		For Class 52 Rating, Deduct	*-461.57*	
		For Class 54 Rating, Add	*637.27*	
		For Class 55 Rating, Add	*951.44*	
		For Class 56 Rating, Add	*1,261.41*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,966.64	435.72
		For Class 52 Rating, Deduct	*-473.71*	
		For Class 54 Rating, Add	*653.89*	
		For Class 55 Rating, Add	*976.19*	
		For Class 56 Rating, Add	*1,294.17*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,082.40	439.23
		For Class 52 Rating, Deduct	*-485.86*	
		For Class 54 Rating, Add	*670.52*	
		For Class 55 Rating, Add	*1,000.94*	
		For Class 56 Rating, Add	*1,326.94*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,198.14	442.75
		For Class 52 Rating, Deduct	*-498.01*	
		For Class 54 Rating, Add	*687.15*	
		For Class 55 Rating, Add	*1,025.69*	
		For Class 56 Rating, Add	*1,359.71*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,313.89	446.26
		For Class 52 Rating, Deduct	*-510.15*	
		For Class 54 Rating, Add	*703.77*	
		For Class 55 Rating, Add	*1,050.44*	
		For Class 56 Rating, Add	*1,392.47*	
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,429.63	449.77
		For Class 52 Rating, Deduct	*-522.30*	
		For Class 54 Rating, Add	*720.40*	
		For Class 55 Rating, Add	*1,075.19*	
		For Class 56 Rating, Add	*1,425.24*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,545.38	453.29
		For Class 52 Rating, Deduct	*-534.44*	
		For Class 54 Rating, Add	*737.03*	
		For Class 55 Rating, Add	*1,099.95*	
		For Class 56 Rating, Add	*1,458.01*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,661.12	456.80
		For Class 52 Rating, Deduct	*-546.59*	
		For Class 54 Rating, Add	*753.66*	
		For Class 55 Rating, Add	*1,124.70*	
		For Class 56 Rating, Add	*1,490.77*	
40 05 19 00-0675		10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,585.06	393.55
		For Class 52 Rating, Deduct	*-108.77*	
		For Class 54 Rating, Add	*155.47*	
		For Class 55 Rating, Add	*234.81*	
		For Class 56 Rating, Add	*313.16*	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,735.95	397.07
		For Class 52 Rating, Deduct	*-124.78*	
		For Class 54 Rating, Add	*177.37*	
		For Class 55 Rating, Add	*267.40*	
		For Class 56 Rating, Add	*356.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,886.83	400.58
		For Class 52 Rating, Deduct	*-140.79*	
		For Class 54 Rating, Add	*199.27*	
		For Class 55 Rating, Add	*299.98*	
		For Class 56 Rating, Add	*399.42*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,037.71	404.09
		For Class 52 Rating, Deduct	*-156.80*	
		For Class 54 Rating, Add	*221.16*	
		For Class 55 Rating, Add	*332.57*	
		For Class 56 Rating, Add	*442.55*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,188.59	407.61
		For Class 52 Rating, Deduct	*-172.81*	
		For Class 54 Rating, Add	*243.06*	
		For Class 55 Rating, Add	*365.16*	
		For Class 56 Rating, Add	*485.68*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,339.48	411.12
		For Class 52 Rating, Deduct	*-188.82*	
		For Class 54 Rating, Add	*264.96*	
		For Class 55 Rating, Add	*397.74*	
		For Class 56 Rating, Add	*528.81*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,490.35	414.64
		For Class 52 Rating, Deduct	*-204.83*	
		For Class 54 Rating, Add	*286.86*	
		For Class 55 Rating, Add	*430.33*	
		For Class 56 Rating, Add	*571.94*	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,641.23	418.15
		For Class 52 Rating, Deduct	*-220.84*	
		For Class 54 Rating, Add	*308.75*	
		For Class 55 Rating, Add	*462.92*	
		For Class 56 Rating, Add	*615.07*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,792.12	421.66
		For Class 52 Rating, Deduct	*-236.86*	
		For Class 54 Rating, Add	*330.65*	
		For Class 55 Rating, Add	*495.51*	
		For Class 56 Rating, Add	*658.21*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,942.99	425.18
		For Class 52 Rating, Deduct	*-252.87*	
		For Class 54 Rating, Add	*352.55*	
		For Class 55 Rating, Add	*528.09*	
		For Class 56 Rating, Add	*701.33*	
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,093.88	428.69
		For Class 52 Rating, Deduct	*-268.88*	
		For Class 54 Rating, Add	*374.45*	
		For Class 55 Rating, Add	*560.68*	
		For Class 56 Rating, Add	*744.47*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,244.75	432.20
		For Class 52 Rating, Deduct	*-284.89*	
		For Class 54 Rating, Add	*396.34*	
		For Class 55 Rating, Add	*593.27*	
		For Class 56 Rating, Add	*787.60*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,395.63	435.72
		For Class 52 Rating, Deduct	*-300.90*	
		For Class 54 Rating, Add	*418.24*	
		For Class 55 Rating, Add	*625.85*	
		For Class 56 Rating, Add	*830.73*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,546.52	439.23
		For Class 52 Rating, Deduct	*-316.91*	
		For Class 54 Rating, Add	*440.14*	
		For Class 55 Rating, Add	*658.44*	
		For Class 56 Rating, Add	*873.86*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,697.40	442.75
		For Class 52 Rating, Deduct	*-332.92*	
		For Class 54 Rating, Add	*462.04*	
		For Class 55 Rating, Add	*691.03*	
		For Class 56 Rating, Add	*916.99*	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,848.28	446.26
		For Class 52 Rating, Deduct	*-348.93*	
		For Class 54 Rating, Add	*483.93*	
		For Class 55 Rating, Add	*723.61*	
		For Class 56 Rating, Add	*960.12*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,999.16	449.77
		For Class 52 Rating, Deduct	*-364.95*	
		For Class 54 Rating, Add	*505.83*	
		For Class 55 Rating, Add	*756.20*	
		For Class 56 Rating, Add	*1,003.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,150.04	453.29
		For Class 52 Rating, Deduct	*-380.96*	
		For Class 54 Rating, Add	*527.73*	
		For Class 55 Rating, Add	*788.79*	
		For Class 56 Rating, Add	*1,046.38*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,300.91	456.80
		For Class 52 Rating, Deduct	*-396.97*	
		For Class 54 Rating, Add	*549.63*	
		For Class 55 Rating, Add	*821.37*	
		For Class 56 Rating, Add	*1,089.51*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,451.80	460.32
		For Class 52 Rating, Deduct	*-412.98*	
		For Class 54 Rating, Add	*571.52*	
		For Class 55 Rating, Add	*853.96*	
		For Class 56 Rating, Add	*1,132.64*	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,602.69	463.83
		For Class 52 Rating, Deduct	*-428.99*	
		For Class 54 Rating, Add	*593.42*	
		For Class 55 Rating, Add	*886.55*	
		For Class 56 Rating, Add	*1,175.78*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,753.57	467.34
		For Class 52 Rating, Deduct	*-445.00*	
		For Class 54 Rating, Add	*615.32*	
		For Class 55 Rating, Add	*919.14*	
		For Class 56 Rating, Add	*1,218.91*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,904.45	470.86
		For Class 52 Rating, Deduct	*-461.01*	
		For Class 54 Rating, Add	*637.22*	
		For Class 55 Rating, Add	*951.72*	
		For Class 56 Rating, Add	*1,262.04*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,055.32	474.37
		For Class 52 Rating, Deduct	*-477.02*	
		For Class 54 Rating, Add	*659.11*	
		For Class 55 Rating, Add	*984.31*	
		For Class 56 Rating, Add	*1,305.17*	
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,206.21	477.88
		For Class 52 Rating, Deduct	*-493.04*	
		For Class 54 Rating, Add	*681.01*	
		For Class 55 Rating, Add	*1,016.90*	
		For Class 56 Rating, Add	*1,348.30*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,357.08	481.40
		For Class 52 Rating, Deduct	*-509.05*	
		For Class 54 Rating, Add	*702.91*	
		For Class 55 Rating, Add	*1,049.48*	
		For Class 56 Rating, Add	*1,391.43*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,507.97	484.91
		For Class 52 Rating, Deduct	*-525.06*	
		For Class 54 Rating, Add	*724.81*	
		For Class 55 Rating, Add	*1,082.07*	
		For Class 56 Rating, Add	*1,434.56*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,658.86	488.43
		For Class 52 Rating, Deduct	*-541.07*	
		For Class 54 Rating, Add	*746.70*	
		For Class 55 Rating, Add	*1,114.66*	
		For Class 56 Rating, Add	*1,477.69*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,809.73	491.94
		For Class 52 Rating, Deduct	*-557.08*	
		For Class 54 Rating, Add	*768.60*	
		For Class 55 Rating, Add	*1,147.24*	
		For Class 56 Rating, Add	*1,520.82*	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,960.61	495.45
		For Class 52 Rating, Deduct	*-573.09*	
		For Class 54 Rating, Add	*790.50*	
		For Class 55 Rating, Add	*1,179.83*	
		For Class 56 Rating, Add	*1,563.95*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,111.49	498.97
		For Class 52 Rating, Deduct	*-589.10*	
		For Class 54 Rating, Add	*812.40*	
		For Class 55 Rating, Add	*1,212.42*	
		For Class 56 Rating, Add	*1,607.09*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,262.37	502.48
		For Class 52 Rating, Deduct	*-605.11*	
		For Class 54 Rating, Add	*834.29*	
		For Class 55 Rating, Add	*1,245.00*	
		For Class 56 Rating, Add	*1,650.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,413.25	505.99
		For Class 52 Rating, Deduct	*-621.13*	
		For Class 54 Rating, Add	*856.19*	
		For Class 55 Rating, Add	*1,277.59*	
		For Class 56 Rating, Add	*1,693.35*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,564.14	509.51
		For Class 52 Rating, Deduct	*-637.14*	
		For Class 54 Rating, Add	*878.09*	
		For Class 55 Rating, Add	*1,310.18*	
		For Class 56 Rating, Add	*1,736.48*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,715.01	513.02
		For Class 52 Rating, Deduct	*-653.15*	
		For Class 54 Rating, Add	*899.98*	
		For Class 55 Rating, Add	*1,342.76*	
		For Class 56 Rating, Add	*1,779.61*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,865.89	516.54
		For Class 52 Rating, Deduct	*-669.16*	
		For Class 54 Rating, Add	*921.88*	
		For Class 55 Rating, Add	*1,375.35*	
		For Class 56 Rating, Add	*1,822.74*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,016.78	520.05
		For Class 52 Rating, Deduct	*-685.17*	
		For Class 54 Rating, Add	*943.78*	
		For Class 55 Rating, Add	*1,407.94*	
		For Class 56 Rating, Add	*1,865.87*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,167.65	523.56
		For Class 52 Rating, Deduct	*-701.18*	
		For Class 54 Rating, Add	*965.68*	
		For Class 55 Rating, Add	*1,440.53*	
		For Class 56 Rating, Add	*1,909.00*	
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,318.54	527.08
		For Class 52 Rating, Deduct	*-717.19*	
		For Class 54 Rating, Add	*987.57*	
		For Class 55 Rating, Add	*1,473.11*	
		For Class 56 Rating, Add	*1,952.13*	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,055.37	491.94
		For Class 52 Rating, Deduct	*-144.10*	
		For Class 54 Rating, Add	*205.45*	
		For Class 55 Rating, Add	*310.02*	
		For Class 56 Rating, Add	*413.29*	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,243.89	495.45
		For Class 52 Rating, Deduct	*-164.25*	
		For Class 54 Rating, Add	*232.99*	
		For Class 55 Rating, Add	*351.00*	
		For Class 56 Rating, Add	*467.52*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,432.41	498.97
		For Class 52 Rating, Deduct	*-184.41*	
		For Class 54 Rating, Add	*260.53*	
		For Class 55 Rating, Add	*391.98*	
		For Class 56 Rating, Add	*521.76*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,620.94	502.48
		For Class 52 Rating, Deduct	*-204.56*	
		For Class 54 Rating, Add	*288.08*	
		For Class 55 Rating, Add	*432.96*	
		For Class 56 Rating, Add	*575.99*	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,809.46	505.99
		For Class 52 Rating, Deduct	*-224.71*	
		For Class 54 Rating, Add	*315.62*	
		For Class 55 Rating, Add	*473.95*	
		For Class 56 Rating, Add	*630.23*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,998.00	509.51
		For Class 52 Rating, Deduct	*-244.86*	
		For Class 54 Rating, Add	*343.17*	
		For Class 55 Rating, Add	*514.93*	
		For Class 56 Rating, Add	*684.47*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,186.52	513.02
		For Class 52 Rating, Deduct	*-265.01*	
		For Class 54 Rating, Add	*370.71*	
		For Class 55 Rating, Add	*555.91*	
		For Class 56 Rating, Add	*738.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,375.04	516.54
		For Class 52 Rating, Deduct	*-285.17*	
		For Class 54 Rating, Add	*398.25*	
		For Class 55 Rating, Add	*596.89*	
		For Class 56 Rating, Add	*792.94*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,563.57	520.05
		For Class 52 Rating, Deduct	*-305.32*	
		For Class 54 Rating, Add	*425.80*	
		For Class 55 Rating, Add	*637.87*	
		For Class 56 Rating, Add	*847.17*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,752.09	523.56
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*453.34*	
		For Class 55 Rating, Add	*678.86*	
		For Class 56 Rating, Add	*901.41*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,940.62	527.08
		For Class 52 Rating, Deduct	*-345.62*	
		For Class 54 Rating, Add	*480.89*	
		For Class 55 Rating, Add	*719.84*	
		For Class 56 Rating, Add	*955.65*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,129.14	530.59
		For Class 52 Rating, Deduct	*-365.77*	
		For Class 54 Rating, Add	*508.43*	
		For Class 55 Rating, Add	*760.82*	
		For Class 56 Rating, Add	*1,009.88*	
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,317.66	534.10
		For Class 52 Rating, Deduct	*-385.93*	
		For Class 54 Rating, Add	*535.97*	
		For Class 55 Rating, Add	*801.80*	
		For Class 56 Rating, Add	*1,064.12*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,506.19	537.62
		For Class 52 Rating, Deduct	*-406.08*	
		For Class 54 Rating, Add	*563.52*	
		For Class 55 Rating, Add	*842.78*	
		For Class 56 Rating, Add	*1,118.35*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,694.71	541.13
		For Class 52 Rating, Deduct	*-426.23*	
		For Class 54 Rating, Add	*591.06*	
		For Class 55 Rating, Add	*883.76*	
		For Class 56 Rating, Add	*1,172.59*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,883.24	544.65
		For Class 52 Rating, Deduct	*-446.38*	
		For Class 54 Rating, Add	*618.61*	
		For Class 55 Rating, Add	*924.74*	
		For Class 56 Rating, Add	*1,226.82*	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,071.76	548.16
		For Class 52 Rating, Deduct	*-466.53*	
		For Class 54 Rating, Add	*646.15*	
		For Class 55 Rating, Add	*965.73*	
		For Class 56 Rating, Add	*1,281.06*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,260.29	551.67
		For Class 52 Rating, Deduct	*-486.69*	
		For Class 54 Rating, Add	*673.69*	
		For Class 55 Rating, Add	*1,006.71*	
		For Class 56 Rating, Add	*1,335.30*	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,448.81	555.19
		For Class 52 Rating, Deduct	*-506.84*	
		For Class 54 Rating, Add	*701.24*	
		For Class 55 Rating, Add	*1,047.69*	
		For Class 56 Rating, Add	*1,389.53*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,637.34	558.70
		For Class 52 Rating, Deduct	*-526.99*	
		For Class 54 Rating, Add	*728.78*	
		For Class 55 Rating, Add	*1,088.67*	
		For Class 56 Rating, Add	*1,443.77*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,825.87	562.21
		For Class 52 Rating, Deduct	*-547.14*	
		For Class 54 Rating, Add	*756.33*	
		For Class 55 Rating, Add	*1,129.65*	
		For Class 56 Rating, Add	*1,498.01*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,014.39	565.73
		For Class 52 Rating, Deduct	*-567.30*	
		For Class 54 Rating, Add	*783.87*	
		For Class 55 Rating, Add	*1,170.63*	
		For Class 56 Rating, Add	*1,552.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,202.92	569.24
		For Class 52 Rating, Deduct	*-587.45*	
		For Class 54 Rating, Add	*811.41*	
		For Class 55 Rating, Add	*1,211.62*	
		For Class 56 Rating, Add	*1,606.48*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,391.44	572.76
		For Class 52 Rating, Deduct	*-607.60*	
		For Class 54 Rating, Add	*838.96*	
		For Class 55 Rating, Add	*1,252.60*	
		For Class 56 Rating, Add	*1,660.71*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,579.96	576.27
		For Class 52 Rating, Deduct	*-627.75*	
		For Class 54 Rating, Add	*866.50*	
		For Class 55 Rating, Add	*1,293.58*	
		For Class 56 Rating, Add	*1,714.95*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,768.48	579.78
		For Class 52 Rating, Deduct	*-647.90*	
		For Class 54 Rating, Add	*894.05*	
		For Class 55 Rating, Add	*1,334.56*	
		For Class 56 Rating, Add	*1,769.18*	
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,957.01	583.30
		For Class 52 Rating, Deduct	*-668.06*	
		For Class 54 Rating, Add	*921.59*	
		For Class 55 Rating, Add	*1,375.54*	
		For Class 56 Rating, Add	*1,823.42*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,145.54	586.81
		For Class 52 Rating, Deduct	*-688.21*	
		For Class 54 Rating, Add	*949.13*	
		For Class 55 Rating, Add	*1,416.52*	
		For Class 56 Rating, Add	*1,877.65*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,334.06	590.33
		For Class 52 Rating, Deduct	*-708.36*	
		For Class 54 Rating, Add	*976.68*	
		For Class 55 Rating, Add	*1,457.50*	
		For Class 56 Rating, Add	*1,931.89*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,522.58	593.84
		For Class 52 Rating, Deduct	*-728.51*	
		For Class 54 Rating, Add	*1,004.22*	
		For Class 55 Rating, Add	*1,498.49*	
		For Class 56 Rating, Add	*1,986.13*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,711.11	597.35
		For Class 52 Rating, Deduct	*-748.66*	
		For Class 54 Rating, Add	*1,031.77*	
		For Class 55 Rating, Add	*1,539.47*	
		For Class 56 Rating, Add	*2,040.36*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,899.64	600.87
		For Class 52 Rating, Deduct	*-768.82*	
		For Class 54 Rating, Add	*1,059.31*	
		For Class 55 Rating, Add	*1,580.45*	
		For Class 56 Rating, Add	*2,094.60*	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,088.17	604.38
		For Class 52 Rating, Deduct	*-788.97*	
		For Class 54 Rating, Add	*1,086.85*	
		For Class 55 Rating, Add	*1,621.43*	
		For Class 56 Rating, Add	*2,148.84*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,276.69	607.89
		For Class 52 Rating, Deduct	*-809.12*	
		For Class 54 Rating, Add	*1,114.40*	
		For Class 55 Rating, Add	*1,662.41*	
		For Class 56 Rating, Add	*2,203.07*	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,465.22	611.41
		For Class 52 Rating, Deduct	*-829.27*	
		For Class 54 Rating, Add	*1,141.94*	
		For Class 55 Rating, Add	*1,703.39*	
		For Class 56 Rating, Add	*2,257.31*	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,653.73	614.92
		For Class 52 Rating, Deduct	*-849.42*	
		For Class 54 Rating, Add	*1,169.49*	
		For Class 55 Rating, Add	*1,744.38*	
		For Class 56 Rating, Add	*2,311.54*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,842.26	618.44
		For Class 52 Rating, Deduct	*-869.58*	
		For Class 54 Rating, Add	*1,197.03*	
		For Class 55 Rating, Add	*1,785.36*	
		For Class 56 Rating, Add	*2,365.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,030.78	621.95
		For Class 52 Rating, Deduct	*-889.73*	
		For Class 54 Rating, Add	*1,224.57*	
		For Class 55 Rating, Add	*1,826.34*	
		For Class 56 Rating, Add	*2,420.01*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,219.31	625.46
		For Class 52 Rating, Deduct	*-909.88*	
		For Class 54 Rating, Add	*1,252.12*	
		For Class 55 Rating, Add	*1,867.32*	
		For Class 56 Rating, Add	*2,474.25*	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,851.92	590.33
		For Class 52 Rating, Deduct	*-215.32*	
		For Class 54 Rating, Add	*304.36*	
		For Class 55 Rating, Add	*457.99*	
		For Class 56 Rating, Add	*609.66*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.59	593.84
		For Class 52 Rating, Deduct	*-239.89*	
		For Class 54 Rating, Add	*337.92*	
		For Class 55 Rating, Add	*507.92*	
		For Class 56 Rating, Add	*675.74*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,309.27	597.35
		For Class 52 Rating, Deduct	*-264.46*	
		For Class 54 Rating, Add	*371.49*	
		For Class 55 Rating, Add	*557.86*	
		For Class 56 Rating, Add	*741.82*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,537.95	600.87
		For Class 52 Rating, Deduct	*-289.03*	
		For Class 54 Rating, Add	*405.06*	
		For Class 55 Rating, Add	*607.79*	
		For Class 56 Rating, Add	*807.90*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,766.64	604.38
		For Class 52 Rating, Deduct	*-313.60*	
		For Class 54 Rating, Add	*438.63*	
		For Class 55 Rating, Add	*657.73*	
		For Class 56 Rating, Add	*873.98*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,995.31	607.89
		For Class 52 Rating, Deduct	*-338.17*	
		For Class 54 Rating, Add	*472.19*	
		For Class 55 Rating, Add	*707.67*	
		For Class 56 Rating, Add	*940.06*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,223.99	611.41
		For Class 52 Rating, Deduct	*-362.74*	
		For Class 54 Rating, Add	*505.76*	
		For Class 55 Rating, Add	*757.60*	
		For Class 56 Rating, Add	*1,006.14*	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,452.66	614.92
		For Class 52 Rating, Deduct	*-387.31*	
		For Class 54 Rating, Add	*539.33*	
		For Class 55 Rating, Add	*807.54*	
		For Class 56 Rating, Add	*1,072.23*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,681.34	618.44
		For Class 52 Rating, Deduct	*-411.88*	
		For Class 54 Rating, Add	*572.89*	
		For Class 55 Rating, Add	*857.47*	
		For Class 56 Rating, Add	*1,138.31*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,910.02	621.95
		For Class 52 Rating, Deduct	*-436.44*	
		For Class 54 Rating, Add	*606.46*	
		For Class 55 Rating, Add	*907.41*	
		For Class 56 Rating, Add	*1,204.39*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,138.70	625.46
		For Class 52 Rating, Deduct	*-461.01*	
		For Class 54 Rating, Add	*640.03*	
		For Class 55 Rating, Add	*957.34*	
		For Class 56 Rating, Add	*1,270.47*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,367.39	628.98
		For Class 52 Rating, Deduct	*-485.58*	
		For Class 54 Rating, Add	*673.59*	
		For Class 55 Rating, Add	*1,007.28*	
		For Class 56 Rating, Add	*1,336.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,596.06	632.49
		For Class 52 Rating, Deduct	*-510.15*	
		For Class 54 Rating, Add	*707.16*	
		For Class 55 Rating, Add	*1,057.22*	
		For Class 56 Rating, Add	*1,402.63*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,824.74	636.00
		For Class 52 Rating, Deduct	*-534.72*	
		For Class 54 Rating, Add	*740.73*	
		For Class 55 Rating, Add	*1,107.15*	
		For Class 56 Rating, Add	*1,468.72*	
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,053.41	639.52
		For Class 52 Rating, Deduct	*-559.29*	
		For Class 54 Rating, Add	*774.30*	
		For Class 55 Rating, Add	*1,157.09*	
		For Class 56 Rating, Add	*1,534.80*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,282.09	643.03
		For Class 52 Rating, Deduct	*-583.86*	
		For Class 54 Rating, Add	*807.86*	
		For Class 55 Rating, Add	*1,207.02*	
		For Class 56 Rating, Add	*1,600.88*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,510.77	646.55
		For Class 52 Rating, Deduct	*-608.43*	
		For Class 54 Rating, Add	*841.43*	
		For Class 55 Rating, Add	*1,256.96*	
		For Class 56 Rating, Add	*1,666.96*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,739.45	650.06
		For Class 52 Rating, Deduct	*-633.00*	
		For Class 54 Rating, Add	*875.00*	
		For Class 55 Rating, Add	*1,306.89*	
		For Class 56 Rating, Add	*1,733.04*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,968.13	653.57
		For Class 52 Rating, Deduct	*-657.57*	
		For Class 54 Rating, Add	*908.56*	
		For Class 55 Rating, Add	*1,356.83*	
		For Class 56 Rating, Add	*1,799.12*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,196.80	657.09
		For Class 52 Rating, Deduct	*-682.13*	
		For Class 54 Rating, Add	*942.13*	
		For Class 55 Rating, Add	*1,406.77*	
		For Class 56 Rating, Add	*1,865.20*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,425.49	660.60
		For Class 52 Rating, Deduct	*-706.70*	
		For Class 54 Rating, Add	*975.70*	
		For Class 55 Rating, Add	*1,456.70*	
		For Class 56 Rating, Add	*1,931.28*	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,654.16	664.11
		For Class 52 Rating, Deduct	*-731.27*	
		For Class 54 Rating, Add	*1,009.26*	
		For Class 55 Rating, Add	*1,506.64*	
		For Class 56 Rating, Add	*1,997.36*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,882.84	667.63
		For Class 52 Rating, Deduct	*-755.84*	
		For Class 54 Rating, Add	*1,042.83*	
		For Class 55 Rating, Add	*1,556.57*	
		For Class 56 Rating, Add	*2,063.44*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,111.52	671.14
		For Class 52 Rating, Deduct	*-780.41*	
		For Class 54 Rating, Add	*1,076.40*	
		For Class 55 Rating, Add	*1,606.51*	
		For Class 56 Rating, Add	*2,129.53*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,340.19	674.66
		For Class 52 Rating, Deduct	*-804.98*	
		For Class 54 Rating, Add	*1,109.96*	
		For Class 55 Rating, Add	*1,656.44*	
		For Class 56 Rating, Add	*2,195.61*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,568.88	678.17
		For Class 52 Rating, Deduct	*-829.55*	
		For Class 54 Rating, Add	*1,143.53*	
		For Class 55 Rating, Add	*1,706.38*	
		For Class 56 Rating, Add	*2,261.69*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,797.55	681.68
		For Class 52 Rating, Deduct	*-854.12*	
		For Class 54 Rating, Add	*1,177.10*	
		For Class 55 Rating, Add	*1,756.32*	
		For Class 56 Rating, Add	*2,327.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,026.24	685.20
		For Class 52 Rating, Deduct	*-878.69*	
		For Class 54 Rating, Add	*1,210.67*	
		For Class 55 Rating, Add	*1,806.25*	
		For Class 56 Rating, Add	*2,393.85*	
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,254.91	688.71
		For Class 52 Rating, Deduct	*-903.26*	
		For Class 54 Rating, Add	*1,244.23*	
		For Class 55 Rating, Add	*1,856.19*	
		For Class 56 Rating, Add	*2,459.93*	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,483.60	692.22
		For Class 52 Rating, Deduct	*-927.82*	
		For Class 54 Rating, Add	*1,277.80*	
		For Class 55 Rating, Add	*1,906.13*	
		For Class 56 Rating, Add	*2,526.02*	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,712.26	695.74
		For Class 52 Rating, Deduct	*-952.39*	
		For Class 54 Rating, Add	*1,311.37*	
		For Class 55 Rating, Add	*1,956.06*	
		For Class 56 Rating, Add	*2,592.09*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,940.94	699.25
		For Class 52 Rating, Deduct	*-976.96*	
		For Class 54 Rating, Add	*1,344.93*	
		For Class 55 Rating, Add	*2,006.00*	
		For Class 56 Rating, Add	*2,658.17*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,169.63	702.77
		For Class 52 Rating, Deduct	*-1,001.53*	
		For Class 54 Rating, Add	*1,378.50*	
		For Class 55 Rating, Add	*2,055.93*	
		For Class 56 Rating, Add	*2,724.26*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,398.30	706.28
		For Class 52 Rating, Deduct	*-1,026.10*	
		For Class 54 Rating, Add	*1,412.07*	
		For Class 55 Rating, Add	*2,105.87*	
		For Class 56 Rating, Add	*2,790.34*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,626.99	709.79
		For Class 52 Rating, Deduct	*-1,050.67*	
		For Class 54 Rating, Add	*1,445.64*	
		For Class 55 Rating, Add	*2,155.80*	
		For Class 56 Rating, Add	*2,856.42*	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,855.65	713.31
		For Class 52 Rating, Deduct	*-1,075.24*	
		For Class 54 Rating, Add	*1,479.20*	
		For Class 55 Rating, Add	*2,205.74*	
		For Class 56 Rating, Add	*2,922.50*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,084.34	716.82
		For Class 52 Rating, Deduct	*-1,099.81*	
		For Class 54 Rating, Add	*1,512.77*	
		For Class 55 Rating, Add	*2,255.68*	
		For Class 56 Rating, Add	*2,988.58*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,313.01	720.33
		For Class 52 Rating, Deduct	*-1,124.38*	
		For Class 54 Rating, Add	*1,546.34*	
		For Class 55 Rating, Add	*2,305.61*	
		For Class 56 Rating, Add	*3,054.66*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,338.56	674.66
		For Class 52 Rating, Deduct	*-254.80*	
		For Class 54 Rating, Add	*359.72*	
		For Class 55 Rating, Add	*541.08*	
		For Class 56 Rating, Add	*720.13*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,604.89	678.17
		For Class 52 Rating, Deduct	*-283.51*	
		For Class 54 Rating, Add	*398.93*	
		For Class 55 Rating, Add	*599.41*	
		For Class 56 Rating, Add	*797.31*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,871.21	681.68
		For Class 52 Rating, Deduct	*-312.22*	
		For Class 54 Rating, Add	*438.15*	
		For Class 55 Rating, Add	*657.74*	
		For Class 56 Rating, Add	*874.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,137.54	685.20
		For Class 52 Rating, Deduct	*-340.93*	
		For Class 54 Rating, Add	*477.36*	
		For Class 55 Rating, Add	*716.07*	
		For Class 56 Rating, Add	*951.69*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,403.85	688.71
		For Class 52 Rating, Deduct	*-369.64*	
		For Class 54 Rating, Add	*516.57*	
		For Class 55 Rating, Add	*774.40*	
		For Class 56 Rating, Add	*1,028.87*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,670.18	692.22
		For Class 52 Rating, Deduct	*-398.35*	
		For Class 54 Rating, Add	*555.79*	
		For Class 55 Rating, Add	*832.73*	
		For Class 56 Rating, Add	*1,106.06*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,936.49	695.74
		For Class 52 Rating, Deduct	*-427.06*	
		For Class 54 Rating, Add	*595.00*	
		For Class 55 Rating, Add	*891.06*	
		For Class 56 Rating, Add	*1,183.24*	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,202.82	699.25
		For Class 52 Rating, Deduct	*-455.77*	
		For Class 54 Rating, Add	*634.22*	
		For Class 55 Rating, Add	*949.39*	
		For Class 56 Rating, Add	*1,260.43*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,469.15	702.77
		For Class 52 Rating, Deduct	*-484.48*	
		For Class 54 Rating, Add	*673.43*	
		For Class 55 Rating, Add	*1,007.73*	
		For Class 56 Rating, Add	*1,337.62*	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,710.37	706.28
		For Class 52 Rating, Deduct	*-510.43*	
		For Class 54 Rating, Add	*708.88*	
		For Class 55 Rating, Add	*1,060.46*	
		For Class 56 Rating, Add	*1,407.40*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,001.79	709.79
		For Class 52 Rating, Deduct	*-541.90*	
		For Class 54 Rating, Add	*751.86*	
		For Class 55 Rating, Add	*1,124.38*	
		For Class 56 Rating, Add	*1,491.99*	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,268.10	713.31
		For Class 52 Rating, Deduct	*-570.61*	
		For Class 54 Rating, Add	*791.07*	
		For Class 55 Rating, Add	*1,182.72*	
		For Class 56 Rating, Add	*1,569.17*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,534.43	716.82
		For Class 52 Rating, Deduct	*-599.32*	
		For Class 54 Rating, Add	*830.28*	
		For Class 55 Rating, Add	*1,241.05*	
		For Class 56 Rating, Add	*1,646.36*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,800.75	720.33
		For Class 52 Rating, Deduct	*-628.03*	
		For Class 54 Rating, Add	*869.50*	
		For Class 55 Rating, Add	*1,299.38*	
		For Class 56 Rating, Add	*1,723.55*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,067.08	723.85
		For Class 52 Rating, Deduct	*-656.74*	
		For Class 54 Rating, Add	*908.71*	
		For Class 55 Rating, Add	*1,357.71*	
		For Class 56 Rating, Add	*1,800.73*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,333.41	727.36
		For Class 52 Rating, Deduct	*-685.45*	
		For Class 54 Rating, Add	*947.93*	
		For Class 55 Rating, Add	*1,416.04*	
		For Class 56 Rating, Add	*1,877.92*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,599.73	730.88
		For Class 52 Rating, Deduct	*-714.16*	
		For Class 54 Rating, Add	*987.14*	
		For Class 55 Rating, Add	*1,474.37*	
		For Class 56 Rating, Add	*1,955.11*	
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,866.04	734.39
		For Class 52 Rating, Deduct	*-742.87*	
		For Class 54 Rating, Add	*1,026.35*	
		For Class 55 Rating, Add	*1,532.70*	
		For Class 56 Rating, Add	*2,032.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,132.36	737.90
		For Class 52 Rating, Deduct	*-771.58*	
		For Class 54 Rating, Add	*1,065.57*	
		For Class 55 Rating, Add	*1,591.03*	
		For Class 56 Rating, Add	*2,109.48*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,398.69	741.42
		For Class 52 Rating, Deduct	*-800.29*	
		For Class 54 Rating, Add	*1,104.78*	
		For Class 55 Rating, Add	*1,649.36*	
		For Class 56 Rating, Add	*2,186.66*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,665.01	744.93
		For Class 52 Rating, Deduct	*-829.00*	
		For Class 54 Rating, Add	*1,143.99*	
		For Class 55 Rating, Add	*1,707.69*	
		For Class 56 Rating, Add	*2,263.85*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,931.34	748.45
		For Class 52 Rating, Deduct	*-857.71*	
		For Class 54 Rating, Add	*1,183.21*	
		For Class 55 Rating, Add	*1,766.02*	
		For Class 56 Rating, Add	*2,341.04*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,197.67	751.96
		For Class 52 Rating, Deduct	*-886.42*	
		For Class 54 Rating, Add	*1,222.42*	
		For Class 55 Rating, Add	*1,824.35*	
		For Class 56 Rating, Add	*2,418.22*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,463.97	755.47
		For Class 52 Rating, Deduct	*-915.13*	
		For Class 54 Rating, Add	*1,261.63*	
		For Class 55 Rating, Add	*1,882.68*	
		For Class 56 Rating, Add	*2,495.41*	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,730.30	758.99
		For Class 52 Rating, Deduct	*-943.84*	
		For Class 54 Rating, Add	*1,300.85*	
		For Class 55 Rating, Add	*1,941.01*	
		For Class 56 Rating, Add	*2,572.59*	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,996.62	762.50
		For Class 52 Rating, Deduct	*-972.55*	
		For Class 54 Rating, Add	*1,340.06*	
		For Class 55 Rating, Add	*1,999.34*	
		For Class 56 Rating, Add	*2,649.78*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,262.95	766.01
		For Class 52 Rating, Deduct	*-1,001.26*	
		For Class 54 Rating, Add	*1,379.28*	
		For Class 55 Rating, Add	*2,057.67*	
		For Class 56 Rating, Add	*2,726.97*	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,529.27	769.53
		For Class 52 Rating, Deduct	*-1,029.97*	
		For Class 54 Rating, Add	*1,418.49*	
		For Class 55 Rating, Add	*2,116.00*	
		For Class 56 Rating, Add	*2,804.15*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,795.60	773.04
		For Class 52 Rating, Deduct	*-1,058.68*	
		For Class 54 Rating, Add	*1,457.70*	
		For Class 55 Rating, Add	*2,174.33*	
		For Class 56 Rating, Add	*2,881.34*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,061.91	776.56
		For Class 52 Rating, Deduct	*-1,087.38*	
		For Class 54 Rating, Add	*1,496.92*	
		For Class 55 Rating, Add	*2,232.66*	
		For Class 56 Rating, Add	*2,958.52*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,328.23	780.07
		For Class 52 Rating, Deduct	*-1,116.09*	
		For Class 54 Rating, Add	*1,536.13*	
		For Class 55 Rating, Add	*2,290.99*	
		For Class 56 Rating, Add	*3,035.71*	
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,594.56	783.58
		For Class 52 Rating, Deduct	*-1,144.80*	
		For Class 54 Rating, Add	*1,575.34*	
		For Class 55 Rating, Add	*2,349.32*	
		For Class 56 Rating, Add	*3,112.90*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,860.88	787.10
		For Class 52 Rating, Deduct	*-1,173.51*	
		For Class 54 Rating, Add	*1,614.56*	
		For Class 55 Rating, Add	*2,407.65*	
		For Class 56 Rating, Add	*3,190.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,127.21	790.61
		For Class 52 Rating, Deduct	*-1,202.22*	
		For Class 54 Rating, Add	*1,653.77*	
		For Class 55 Rating, Add	*2,465.99*	
		For Class 56 Rating, Add	*3,267.27*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,393.52	794.12
		For Class 52 Rating, Deduct	*-1,230.93*	
		For Class 54 Rating, Add	*1,692.99*	
		For Class 55 Rating, Add	*2,524.32*	
		For Class 56 Rating, Add	*3,344.46*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,659.84	797.64
		For Class 52 Rating, Deduct	*-1,259.64*	
		For Class 54 Rating, Add	*1,732.20*	
		For Class 55 Rating, Add	*2,582.64*	
		For Class 56 Rating, Add	*3,421.64*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,926.17	801.15
		For Class 52 Rating, Deduct	*-1,288.35*	
		For Class 54 Rating, Add	*1,771.41*	
		For Class 55 Rating, Add	*2,640.98*	
		For Class 56 Rating, Add	*3,498.83*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,192.49	804.67
		For Class 52 Rating, Deduct	*-1,317.06*	
		For Class 54 Rating, Add	*1,810.63*	
		For Class 55 Rating, Add	*2,699.31*	
		For Class 56 Rating, Add	*3,576.01*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,900.12	760.40
		For Class 52 Rating, Deduct	*-302.28*	
		For Class 54 Rating, Add	*426.03*	
		For Class 55 Rating, Add	*640.46*	
		For Class 56 Rating, Add	*852.14*	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,206.60	763.91
		For Class 52 Rating, Deduct	*-335.41*	
		For Class 54 Rating, Add	*471.26*	
		For Class 55 Rating, Add	*707.74*	
		For Class 56 Rating, Add	*941.17*	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,513.08	767.43
		For Class 52 Rating, Deduct	*-368.54*	
		For Class 54 Rating, Add	*516.50*	
		For Class 55 Rating, Add	*775.03*	
		For Class 56 Rating, Add	*1,030.20*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,819.55	770.94
		For Class 52 Rating, Deduct	*-401.66*	
		For Class 54 Rating, Add	*561.74*	
		For Class 55 Rating, Add	*842.31*	
		For Class 56 Rating, Add	*1,119.23*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,126.02	774.46
		For Class 52 Rating, Deduct	*-434.79*	
		For Class 54 Rating, Add	*606.97*	
		For Class 55 Rating, Add	*909.60*	
		For Class 56 Rating, Add	*1,208.27*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,432.50	777.97
		For Class 52 Rating, Deduct	*-467.91*	
		For Class 54 Rating, Add	*652.21*	
		For Class 55 Rating, Add	*976.88*	
		For Class 56 Rating, Add	*1,297.30*	
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,738.97	781.48
		For Class 52 Rating, Deduct	*-501.04*	
		For Class 54 Rating, Add	*697.45*	
		For Class 55 Rating, Add	*1,044.16*	
		For Class 56 Rating, Add	*1,386.33*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,045.46	785.00
		For Class 52 Rating, Deduct	*-534.17*	
		For Class 54 Rating, Add	*742.68*	
		For Class 55 Rating, Add	*1,111.45*	
		For Class 56 Rating, Add	*1,475.36*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,351.94	788.51
		For Class 52 Rating, Deduct	*-567.30*	
		For Class 54 Rating, Add	*787.92*	
		For Class 55 Rating, Add	*1,178.74*	
		For Class 56 Rating, Add	*1,564.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,658.40	792.02
		For Class 52 Rating, Deduct	*-600.42*	
		For Class 54 Rating, Add	*833.16*	
		For Class 55 Rating, Add	*1,246.02*	
		For Class 56 Rating, Add	*1,653.42*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,964.88	795.54
		For Class 52 Rating, Deduct	*-633.55*	
		For Class 54 Rating, Add	*878.39*	
		For Class 55 Rating, Add	*1,313.30*	
		For Class 56 Rating, Add	*1,742.45*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,271.35	799.05
		For Class 52 Rating, Deduct	*-666.67*	
		For Class 54 Rating, Add	*923.63*	
		For Class 55 Rating, Add	*1,380.59*	
		For Class 56 Rating, Add	*1,831.48*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,577.84	802.57
		For Class 52 Rating, Deduct	*-699.80*	
		For Class 54 Rating, Add	*968.87*	
		For Class 55 Rating, Add	*1,447.87*	
		For Class 56 Rating, Add	*1,920.52*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,884.31	806.08
		For Class 52 Rating, Deduct	*-732.93*	
		For Class 54 Rating, Add	*1,014.10*	
		For Class 55 Rating, Add	*1,515.16*	
		For Class 56 Rating, Add	*2,009.55*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,190.79	809.59
		For Class 52 Rating, Deduct	*-766.06*	
		For Class 54 Rating, Add	*1,059.34*	
		For Class 55 Rating, Add	*1,582.44*	
		For Class 56 Rating, Add	*2,098.58*	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,497.26	813.11
		For Class 52 Rating, Deduct	*-799.18*	
		For Class 54 Rating, Add	*1,104.58*	
		For Class 55 Rating, Add	*1,649.73*	
		For Class 56 Rating, Add	*2,187.61*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,803.73	816.62
		For Class 52 Rating, Deduct	*-832.31*	
		For Class 54 Rating, Add	*1,149.81*	
		For Class 55 Rating, Add	*1,717.01*	
		For Class 56 Rating, Add	*2,276.64*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,110.22	820.13
		For Class 52 Rating, Deduct	*-865.44*	
		For Class 54 Rating, Add	*1,195.05*	
		For Class 55 Rating, Add	*1,784.30*	
		For Class 56 Rating, Add	*2,365.68*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,416.69	823.65
		For Class 52 Rating, Deduct	*-898.56*	
		For Class 54 Rating, Add	*1,240.29*	
		For Class 55 Rating, Add	*1,851.58*	
		For Class 56 Rating, Add	*2,454.71*	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,723.17	827.16
		For Class 52 Rating, Deduct	*-931.69*	
		For Class 54 Rating, Add	*1,285.52*	
		For Class 55 Rating, Add	*1,918.87*	
		For Class 56 Rating, Add	*2,543.74*	
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,029.63	830.68
		For Class 52 Rating, Deduct	*-964.82*	
		For Class 54 Rating, Add	*1,330.76*	
		For Class 55 Rating, Add	*1,986.15*	
		For Class 56 Rating, Add	*2,632.77*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,336.11	834.19
		For Class 52 Rating, Deduct	*-997.94*	
		For Class 54 Rating, Add	*1,376.00*	
		For Class 55 Rating, Add	*2,053.43*	
		For Class 56 Rating, Add	*2,721.80*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,642.60	837.70
		For Class 52 Rating, Deduct	*-1,031.07*	
		For Class 54 Rating, Add	*1,421.23*	
		For Class 55 Rating, Add	*2,120.72*	
		For Class 56 Rating, Add	*2,810.83*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,949.07	841.22
		For Class 52 Rating, Deduct	*-1,064.20*	
		For Class 54 Rating, Add	*1,466.47*	
		For Class 55 Rating, Add	*2,188.01*	
		For Class 56 Rating, Add	*2,899.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,255.55	844.73
		For Class 52 Rating, Deduct	*-1,097.32*	
		For Class 54 Rating, Add	*1,511.71*	
		For Class 55 Rating, Add	*2,255.29*	
		For Class 56 Rating, Add	*2,988.90*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,562.02	848.25
		For Class 52 Rating, Deduct	*-1,130.45*	
		For Class 54 Rating, Add	*1,556.94*	
		For Class 55 Rating, Add	*2,322.57*	
		For Class 56 Rating, Add	*3,077.93*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,868.49	851.76
		For Class 52 Rating, Deduct	*-1,163.58*	
		For Class 54 Rating, Add	*1,602.18*	
		For Class 55 Rating, Add	*2,389.86*	
		For Class 56 Rating, Add	*3,166.96*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,174.97	855.27
		For Class 52 Rating, Deduct	*-1,196.70*	
		For Class 54 Rating, Add	*1,647.42*	
		For Class 55 Rating, Add	*2,457.14*	
		For Class 56 Rating, Add	*3,255.99*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,481.45	858.79
		For Class 52 Rating, Deduct	*-1,229.83*	
		For Class 54 Rating, Add	*1,692.65*	
		For Class 55 Rating, Add	*2,524.43*	
		For Class 56 Rating, Add	*3,345.02*	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,787.93	862.30
		For Class 52 Rating, Deduct	*-1,262.96*	
		For Class 54 Rating, Add	*1,737.89*	
		For Class 55 Rating, Add	*2,591.71*	
		For Class 56 Rating, Add	*3,434.05*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,094.40	865.81
		For Class 52 Rating, Deduct	*-1,296.08*	
		For Class 54 Rating, Add	*1,783.13*	
		For Class 55 Rating, Add	*2,659.00*	
		For Class 56 Rating, Add	*3,523.08*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,400.88	869.33
		For Class 52 Rating, Deduct	*-1,329.21*	
		For Class 54 Rating, Add	*1,828.36*	
		For Class 55 Rating, Add	*2,726.28*	
		For Class 56 Rating, Add	*3,612.12*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,707.35	872.84
		For Class 52 Rating, Deduct	*-1,362.34*	
		For Class 54 Rating, Add	*1,873.60*	
		For Class 55 Rating, Add	*2,793.57*	
		For Class 56 Rating, Add	*3,701.15*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,013.83	876.36
		For Class 52 Rating, Deduct	*-1,395.46*	
		For Class 54 Rating, Add	*1,918.84*	
		For Class 55 Rating, Add	*2,860.85*	
		For Class 56 Rating, Add	*3,790.18*	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,320.30	879.87
		For Class 52 Rating, Deduct	*-1,428.59*	
		For Class 54 Rating, Add	*1,964.07*	
		For Class 55 Rating, Add	*2,928.14*	
		For Class 56 Rating, Add	*3,879.21*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,626.78	883.38
		For Class 52 Rating, Deduct	*-1,461.72*	
		For Class 54 Rating, Add	*2,009.31*	
		For Class 55 Rating, Add	*2,995.42*	
		For Class 56 Rating, Add	*3,968.24*	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,933.26	886.90
		For Class 52 Rating, Deduct	*-1,494.84*	
		For Class 54 Rating, Add	*2,054.55*	
		For Class 55 Rating, Add	*3,062.70*	
		For Class 56 Rating, Add	*4,057.27*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,239.73	890.41
		For Class 52 Rating, Deduct	*-1,527.97*	
		For Class 54 Rating, Add	*2,099.79*	
		For Class 55 Rating, Add	*3,129.99*	
		For Class 56 Rating, Add	*4,146.31*	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,524.80	867.91
		For Class 52 Rating, Deduct	*-353.08*	
		For Class 54 Rating, Add	*497.25*	
		For Class 55 Rating, Add	*747.34*	
		For Class 56 Rating, Add	*994.23*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,876.45	871.43
		For Class 52 Rating, Deduct	*-391.17*	
		For Class 54 Rating, Add	*549.26*	
		For Class 55 Rating, Add	*824.70*	
		For Class 56 Rating, Add	*1,096.58*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,228.10	874.94
		For Class 52 Rating, Deduct	*-429.27*	
		For Class 54 Rating, Add	*601.27*	
		For Class 55 Rating, Add	*902.06*	
		For Class 56 Rating, Add	*1,198.94*	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,579.74	878.45
		For Class 52 Rating, Deduct	*-467.36*	
		For Class 54 Rating, Add	*653.28*	
		For Class 55 Rating, Add	*979.42*	
		For Class 56 Rating, Add	*1,301.30*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,931.40	881.97
		For Class 52 Rating, Deduct	*-505.46*	
		For Class 54 Rating, Add	*705.30*	
		For Class 55 Rating, Add	*1,056.77*	
		For Class 56 Rating, Add	*1,403.66*	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,283.04	885.48
		For Class 52 Rating, Deduct	*-543.55*	
		For Class 54 Rating, Add	*757.31*	
		For Class 55 Rating, Add	*1,134.13*	
		For Class 56 Rating, Add	*1,506.01*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,634.70	889.00
		For Class 52 Rating, Deduct	*-581.65*	
		For Class 54 Rating, Add	*809.32*	
		For Class 55 Rating, Add	*1,211.49*	
		For Class 56 Rating, Add	*1,608.37*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,986.34	892.51
		For Class 52 Rating, Deduct	*-619.75*	
		For Class 54 Rating, Add	*861.33*	
		For Class 55 Rating, Add	*1,288.85*	
		For Class 56 Rating, Add	*1,710.73*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,337.99	896.02
		For Class 52 Rating, Deduct	*-657.84*	
		For Class 54 Rating, Add	*913.35*	
		For Class 55 Rating, Add	*1,366.21*	
		For Class 56 Rating, Add	*1,813.09*	
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,689.64	899.54
		For Class 52 Rating, Deduct	*-695.94*	
		For Class 54 Rating, Add	*965.36*	
		For Class 55 Rating, Add	*1,443.56*	
		For Class 56 Rating, Add	*1,915.44*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,041.29	903.05
		For Class 52 Rating, Deduct	*-734.03*	
		For Class 54 Rating, Add	*1,017.37*	
		For Class 55 Rating, Add	*1,520.92*	
		For Class 56 Rating, Add	*2,017.80*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,392.94	906.57
		For Class 52 Rating, Deduct	*-772.13*	
		For Class 54 Rating, Add	*1,069.39*	
		For Class 55 Rating, Add	*1,598.28*	
		For Class 56 Rating, Add	*2,120.16*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,744.59	910.08
		For Class 52 Rating, Deduct	*-810.22*	
		For Class 54 Rating, Add	*1,121.40*	
		For Class 55 Rating, Add	*1,675.64*	
		For Class 56 Rating, Add	*2,222.52*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,096.24	913.59
		For Class 52 Rating, Deduct	*-848.32*	
		For Class 54 Rating, Add	*1,173.41*	
		For Class 55 Rating, Add	*1,753.00*	
		For Class 56 Rating, Add	*2,324.87*	
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,447.88	917.11
		For Class 52 Rating, Deduct	*-886.42*	
		For Class 54 Rating, Add	*1,225.42*	
		For Class 55 Rating, Add	*1,830.36*	
		For Class 56 Rating, Add	*2,427.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,799.53	920.62
		For Class 52 Rating, Deduct	*-924.51*	
		For Class 54 Rating, Add	*1,277.44*	
		For Class 55 Rating, Add	*1,907.71*	
		For Class 56 Rating, Add	*2,529.59*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,151.19	924.13
		For Class 52 Rating, Deduct	*-962.61*	
		For Class 54 Rating, Add	*1,329.45*	
		For Class 55 Rating, Add	*1,985.07*	
		For Class 56 Rating, Add	*2,631.95*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,502.83	927.65
		For Class 52 Rating, Deduct	*-1,000.70*	
		For Class 54 Rating, Add	*1,381.46*	
		For Class 55 Rating, Add	*2,062.43*	
		For Class 56 Rating, Add	*2,734.30*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,854.48	931.16
		For Class 52 Rating, Deduct	*-1,038.80*	
		For Class 54 Rating, Add	*1,433.47*	
		For Class 55 Rating, Add	*2,139.79*	
		For Class 56 Rating, Add	*2,836.66*	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,206.12	934.68
		For Class 52 Rating, Deduct	*-1,076.89*	
		For Class 54 Rating, Add	*1,485.49*	
		For Class 55 Rating, Add	*2,217.15*	
		For Class 56 Rating, Add	*2,939.02*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,557.77	938.19
		For Class 52 Rating, Deduct	*-1,114.99*	
		For Class 54 Rating, Add	*1,537.50*	
		For Class 55 Rating, Add	*2,294.50*	
		For Class 56 Rating, Add	*3,041.37*	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,909.42	941.70
		For Class 52 Rating, Deduct	*-1,153.09*	
		For Class 54 Rating, Add	*1,589.51*	
		For Class 55 Rating, Add	*2,371.86*	
		For Class 56 Rating, Add	*3,143.73*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,261.07	945.22
		For Class 52 Rating, Deduct	*-1,191.18*	
		For Class 54 Rating, Add	*1,641.52*	
		For Class 55 Rating, Add	*2,449.22*	
		For Class 56 Rating, Add	*3,246.09*	
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,612.73	948.73
		For Class 52 Rating, Deduct	*-1,229.28*	
		For Class 54 Rating, Add	*1,693.54*	
		For Class 55 Rating, Add	*2,526.58*	
		For Class 56 Rating, Add	*3,348.45*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,964.37	952.24
		For Class 52 Rating, Deduct	*-1,267.37*	
		For Class 54 Rating, Add	*1,745.55*	
		For Class 55 Rating, Add	*2,603.94*	
		For Class 56 Rating, Add	*3,450.80*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,316.02	955.76
		For Class 52 Rating, Deduct	*-1,305.47*	
		For Class 54 Rating, Add	*1,797.56*	
		For Class 55 Rating, Add	*2,681.30*	
		For Class 56 Rating, Add	*3,553.16*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,667.66	959.27
		For Class 52 Rating, Deduct	*-1,343.56*	
		For Class 54 Rating, Add	*1,849.57*	
		For Class 55 Rating, Add	*2,758.65*	
		For Class 56 Rating, Add	*3,655.52*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,019.32	962.79
		For Class 52 Rating, Deduct	*-1,381.66*	
		For Class 54 Rating, Add	*1,901.59*	
		For Class 55 Rating, Add	*2,836.01*	
		For Class 56 Rating, Add	*3,757.88*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,370.97	966.30
		For Class 52 Rating, Deduct	*-1,419.76*	
		For Class 54 Rating, Add	*1,953.60*	
		For Class 55 Rating, Add	*2,913.37*	
		For Class 56 Rating, Add	*3,860.23*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,722.62	969.81
		For Class 52 Rating, Deduct	*-1,457.85*	
		For Class 54 Rating, Add	*2,005.61*	
		For Class 55 Rating, Add	*2,990.73*	
		For Class 56 Rating, Add	*3,962.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,074.27	973.33
		For Class 52 Rating, Deduct	*-1,495.95*	
		For Class 54 Rating, Add	*2,057.63*	
		For Class 55 Rating, Add	*3,068.09*	
		For Class 56 Rating, Add	*4,064.95*	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,425.91	976.84
		For Class 52 Rating, Deduct	*-1,534.04*	
		For Class 54 Rating, Add	*2,109.64*	
		For Class 55 Rating, Add	*3,145.45*	
		For Class 56 Rating, Add	*4,167.31*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,777.56	980.35
		For Class 52 Rating, Deduct	*-1,572.14*	
		For Class 54 Rating, Add	*2,161.65*	
		For Class 55 Rating, Add	*3,222.80*	
		For Class 56 Rating, Add	*4,269.66*	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,129.21	983.87
		For Class 52 Rating, Deduct	*-1,610.24*	
		For Class 54 Rating, Add	*2,213.66*	
		For Class 55 Rating, Add	*3,300.16*	
		For Class 56 Rating, Add	*4,372.02*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,480.86	987.38
		For Class 52 Rating, Deduct	*-1,648.33*	
		For Class 54 Rating, Add	*2,265.68*	
		For Class 55 Rating, Add	*3,377.52*	
		For Class 56 Rating, Add	*4,474.38*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,832.52	990.90
		For Class 52 Rating, Deduct	*-1,686.43*	
		For Class 54 Rating, Add	*2,317.69*	
		For Class 55 Rating, Add	*3,454.88*	
		For Class 56 Rating, Add	*4,576.74*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,184.16	994.41
		For Class 52 Rating, Deduct	*-1,724.52*	
		For Class 54 Rating, Add	*2,369.70*	
		For Class 55 Rating, Add	*3,532.24*	
		For Class 56 Rating, Add	*4,679.09*	
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,535.81	997.92
		For Class 52 Rating, Deduct	*-1,762.62*	
		For Class 54 Rating, Add	*2,421.71*	
		For Class 55 Rating, Add	*3,609.60*	
		For Class 56 Rating, Add	*4,781.45*	
40 05 19 00-0911		24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,610.11	1,026.03
		For Class 52 Rating, Deduct	*-446.11*	
		For Class 54 Rating, Add	*626.98*	
		For Class 55 Rating, Add	*941.69*	
		For Class 56 Rating, Add	*1,252.34*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,044.59	1,029.55
		For Class 52 Rating, Deduct	*-493.31*	
		For Class 54 Rating, Add	*691.42*	
		For Class 55 Rating, Add	*1,037.52*	
		For Class 56 Rating, Add	*1,379.13*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,479.05	1,033.06
		For Class 52 Rating, Deduct	*-540.52*	
		For Class 54 Rating, Add	*755.85*	
		For Class 55 Rating, Add	*1,133.34*	
		For Class 56 Rating, Add	*1,505.92*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,913.51	1,036.58
		For Class 52 Rating, Deduct	*-587.72*	
		For Class 54 Rating, Add	*820.29*	
		For Class 55 Rating, Add	*1,229.17*	
		For Class 56 Rating, Add	*1,632.71*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,347.98	1,040.09
		For Class 52 Rating, Deduct	*-634.93*	
		For Class 54 Rating, Add	*884.72*	
		For Class 55 Rating, Add	*1,325.00*	
		For Class 56 Rating, Add	*1,759.50*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,782.44	1,043.60
		For Class 52 Rating, Deduct	*-682.13*	
		For Class 54 Rating, Add	*949.16*	
		For Class 55 Rating, Add	*1,420.82*	
		For Class 56 Rating, Add	*1,886.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,216.91	1,047.12
		For Class 52 Rating, Deduct	*-729.34*	
		For Class 54 Rating, Add	*1,013.59*	
		For Class 55 Rating, Add	*1,516.65*	
		For Class 56 Rating, Add	*2,013.07*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,651.37	1,050.63
		For Class 52 Rating, Deduct	*-776.55*	
		For Class 54 Rating, Add	*1,078.03*	
		For Class 55 Rating, Add	*1,612.47*	
		For Class 56 Rating, Add	*2,139.86*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,085.85	1,054.14
		For Class 52 Rating, Deduct	*-823.75*	
		For Class 54 Rating, Add	*1,142.46*	
		For Class 55 Rating, Add	*1,708.30*	
		For Class 56 Rating, Add	*2,266.65*	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,520.30	1,057.66
		For Class 52 Rating, Deduct	*-870.96*	
		For Class 54 Rating, Add	*1,206.90*	
		For Class 55 Rating, Add	*1,804.13*	
		For Class 56 Rating, Add	*2,393.44*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,954.77	1,061.17
		For Class 52 Rating, Deduct	*-918.16*	
		For Class 54 Rating, Add	*1,271.33*	
		For Class 55 Rating, Add	*1,899.95*	
		For Class 56 Rating, Add	*2,520.23*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,389.24	1,064.69
		For Class 52 Rating, Deduct	*-965.37*	
		For Class 54 Rating, Add	*1,335.77*	
		For Class 55 Rating, Add	*1,995.78*	
		For Class 56 Rating, Add	*2,647.01*	
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,823.70	1,068.20
		For Class 52 Rating, Deduct	*-1,012.57*	
		For Class 54 Rating, Add	*1,400.20*	
		For Class 55 Rating, Add	*2,091.61*	
		For Class 56 Rating, Add	*2,773.80*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,258.17	1,071.71
		For Class 52 Rating, Deduct	*-1,059.78*	
		For Class 54 Rating, Add	*1,464.64*	
		For Class 55 Rating, Add	*2,187.43*	
		For Class 56 Rating, Add	*2,900.59*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,692.63	1,075.23
		For Class 52 Rating, Deduct	*-1,106.99*	
		For Class 54 Rating, Add	*1,529.07*	
		For Class 55 Rating, Add	*2,283.26*	
		For Class 56 Rating, Add	*3,027.38*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,127.10	1,078.74
		For Class 52 Rating, Deduct	*-1,154.19*	
		For Class 54 Rating, Add	*1,593.51*	
		For Class 55 Rating, Add	*2,379.09*	
		For Class 56 Rating, Add	*3,154.17*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,561.56	1,082.25
		For Class 52 Rating, Deduct	*-1,201.40*	
		For Class 54 Rating, Add	*1,657.94*	
		For Class 55 Rating, Add	*2,474.91*	
		For Class 56 Rating, Add	*3,280.96*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,996.03	1,085.77
		For Class 52 Rating, Deduct	*-1,248.60*	
		For Class 54 Rating, Add	*1,722.38*	
		For Class 55 Rating, Add	*2,570.74*	
		For Class 56 Rating, Add	*3,407.75*	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,430.50	1,089.28
		For Class 52 Rating, Deduct	*-1,295.81*	
		For Class 54 Rating, Add	*1,786.81*	
		For Class 55 Rating, Add	*2,666.56*	
		For Class 56 Rating, Add	*3,534.53*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,864.96	1,092.80
		For Class 52 Rating, Deduct	*-1,343.01*	
		For Class 54 Rating, Add	*1,851.25*	
		For Class 55 Rating, Add	*2,762.39*	
		For Class 56 Rating, Add	*3,661.32*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,299.43	1,096.31
		For Class 52 Rating, Deduct	*-1,390.22*	
		For Class 54 Rating, Add	*1,915.69*	
		For Class 55 Rating, Add	*2,858.22*	
		For Class 56 Rating, Add	*3,788.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,733.89	1,099.82
		For Class 52 Rating, Deduct	*-1,437.42*	
		For Class 54 Rating, Add	*1,980.12*	
		For Class 55 Rating, Add	*2,954.04*	
		For Class 56 Rating, Add	*3,914.90*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,168.36	1,103.34
		For Class 52 Rating, Deduct	*-1,484.63*	
		For Class 54 Rating, Add	*2,044.56*	
		For Class 55 Rating, Add	*3,049.87*	
		For Class 56 Rating, Add	*4,041.69*	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,602.82	1,106.85
		For Class 52 Rating, Deduct	*-1,531.83*	
		For Class 54 Rating, Add	*2,108.99*	
		For Class 55 Rating, Add	*3,145.70*	
		For Class 56 Rating, Add	*4,168.48*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,037.29	1,110.36
		For Class 52 Rating, Deduct	*-1,579.04*	
		For Class 54 Rating, Add	*2,173.43*	
		For Class 55 Rating, Add	*3,241.52*	
		For Class 56 Rating, Add	*4,295.26*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,471.76	1,113.88
		For Class 52 Rating, Deduct	*-1,626.25*	
		For Class 54 Rating, Add	*2,237.86*	
		For Class 55 Rating, Add	*3,337.35*	
		For Class 56 Rating, Add	*4,422.05*	
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,906.22	1,117.39
		For Class 52 Rating, Deduct	*-1,673.45*	
		For Class 54 Rating, Add	*2,302.30*	
		For Class 55 Rating, Add	*3,433.18*	
		For Class 56 Rating, Add	*4,548.84*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,340.69	1,120.91
		For Class 52 Rating, Deduct	*-1,720.66*	
		For Class 54 Rating, Add	*2,366.73*	
		For Class 55 Rating, Add	*3,529.00*	
		For Class 56 Rating, Add	*4,675.63*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,775.15	1,124.42
		For Class 52 Rating, Deduct	*-1,767.86*	
		For Class 54 Rating, Add	*2,431.17*	
		For Class 55 Rating, Add	*3,624.83*	
		For Class 56 Rating, Add	*4,802.42*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,300.13	1,187.68
		For Class 52 Rating, Deduct	*-1,815.07*	
		For Class 54 Rating, Add	*2,496.69*	
		For Class 55 Rating, Add	*3,722.83*	
		For Class 56 Rating, Add	*4,932.47*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,734.59	1,191.19
		For Class 52 Rating, Deduct	*-1,862.27*	
		For Class 54 Rating, Add	*2,561.12*	
		For Class 55 Rating, Add	*3,818.65*	
		For Class 56 Rating, Add	*5,059.25*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,169.06	1,194.71
		For Class 52 Rating, Deduct	*-1,909.48*	
		For Class 54 Rating, Add	*2,625.56*	
		For Class 55 Rating, Add	*3,914.48*	
		For Class 56 Rating, Add	*5,186.04*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,603.51	1,198.22
		For Class 52 Rating, Deduct	*-1,956.68*	
		For Class 54 Rating, Add	*2,689.99*	
		For Class 55 Rating, Add	*4,010.30*	
		For Class 56 Rating, Add	*5,312.83*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,037.99	1,201.73
		For Class 52 Rating, Deduct	*-2,003.89*	
		For Class 54 Rating, Add	*2,754.43*	
		For Class 55 Rating, Add	*4,106.13*	
		For Class 56 Rating, Add	*5,439.62*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,472.45	1,205.25
		For Class 52 Rating, Deduct	*-2,051.10*	
		For Class 54 Rating, Add	*2,818.86*	
		For Class 55 Rating, Add	*4,201.96*	
		For Class 56 Rating, Add	*5,566.41*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,906.92	1,208.76
		For Class 52 Rating, Deduct	*-2,098.30*	
		For Class 54 Rating, Add	*2,883.30*	
		For Class 55 Rating, Add	*4,297.78*	
		For Class 56 Rating, Add	*5,693.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,341.39	1,212.27
		For Class 52 Rating, Deduct	*-2,145.51*	
		For Class 54 Rating, Add	*2,947.73*	
		For Class 55 Rating, Add	*4,393.61*	
		For Class 56 Rating, Add	*5,819.98*	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,775.85	1,215.79
		For Class 52 Rating, Deduct	*-2,192.71*	
		For Class 54 Rating, Add	*3,012.17*	
		For Class 55 Rating, Add	*4,489.44*	
		For Class 56 Rating, Add	*5,946.77*	

40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,668.25	1,447.70
		For Class 52 Rating, Deduct	*-712.22*	
		For Class 54 Rating, Add	*997.54*	
		For Class 55 Rating, Add	*1,496.52*	
		For Class 56 Rating, Add	*1,989.02*	
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,293.45	1,451.21
		For Class 52 Rating, Deduct	*-780.41*	
		For Class 54 Rating, Add	*1,090.58*	
		For Class 55 Rating, Add	*1,634.88*	
		For Class 56 Rating, Add	*2,172.08*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,918.64	1,454.72
		For Class 52 Rating, Deduct	*-848.60*	
		For Class 54 Rating, Add	*1,183.63*	
		For Class 55 Rating, Add	*1,773.23*	
		For Class 56 Rating, Add	*2,355.13*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,543.83	1,458.24
		For Class 52 Rating, Deduct	*-916.78*	
		For Class 54 Rating, Add	*1,276.67*	
		For Class 55 Rating, Add	*1,911.59*	
		For Class 56 Rating, Add	*2,538.18*	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,169.02	1,461.75
		For Class 52 Rating, Deduct	*-984.97*	
		For Class 54 Rating, Add	*1,369.71*	
		For Class 55 Rating, Add	*2,049.95*	
		For Class 56 Rating, Add	*2,721.24*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,794.22	1,465.27
		For Class 52 Rating, Deduct	*-1,053.15*	
		For Class 54 Rating, Add	*1,462.76*	
		For Class 55 Rating, Add	*2,188.31*	
		For Class 56 Rating, Add	*2,904.29*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,419.42	1,468.78
		For Class 52 Rating, Deduct	*-1,121.34*	
		For Class 54 Rating, Add	*1,555.81*	
		For Class 55 Rating, Add	*2,326.67*	
		For Class 56 Rating, Add	*3,087.35*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,044.62	1,472.29
		For Class 52 Rating, Deduct	*-1,189.53*	
		For Class 54 Rating, Add	*1,648.85*	
		For Class 55 Rating, Add	*2,465.03*	
		For Class 56 Rating, Add	*3,270.40*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,669.82	1,475.81
		For Class 52 Rating, Deduct	*-1,257.71*	
		For Class 54 Rating, Add	*1,741.89*	
		For Class 55 Rating, Add	*2,603.39*	
		For Class 56 Rating, Add	*3,453.45*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,295.00	1,479.32
		For Class 52 Rating, Deduct	*-1,325.90*	
		For Class 54 Rating, Add	*1,834.94*	
		For Class 55 Rating, Add	*2,741.75*	
		For Class 56 Rating, Add	*3,636.50*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,920.20	1,482.84
		For Class 52 Rating, Deduct	*-1,394.08*	
		For Class 54 Rating, Add	*1,927.98*	
		For Class 55 Rating, Add	*2,880.11*	
		For Class 56 Rating, Add	*3,819.56*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,545.39	1,486.35
		For Class 52 Rating, Deduct	*-1,462.27*	
		For Class 54 Rating, Add	*2,021.03*	
		For Class 55 Rating, Add	*3,018.47*	
		For Class 56 Rating, Add	*4,002.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,170.59	1,489.86
		For Class 52 Rating, Deduct	*-1,530.45*	
		For Class 54 Rating, Add	*2,114.07*	
		For Class 55 Rating, Add	*3,156.82*	
		For Class 56 Rating, Add	*4,185.67*	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,795.78	1,493.38
		For Class 52 Rating, Deduct	*-1,598.64*	
		For Class 54 Rating, Add	*2,207.12*	
		For Class 55 Rating, Add	*3,295.18*	
		For Class 56 Rating, Add	*4,368.72*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,420.98	1,496.89
		For Class 52 Rating, Deduct	*-1,666.83*	
		For Class 54 Rating, Add	*2,300.16*	
		For Class 55 Rating, Add	*3,433.54*	
		For Class 56 Rating, Add	*4,551.77*	
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,046.18	1,500.40
		For Class 52 Rating, Deduct	*-1,735.01*	
		For Class 54 Rating, Add	*2,393.21*	
		For Class 55 Rating, Add	*3,571.90*	
		For Class 56 Rating, Add	*4,734.83*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,671.37	1,503.92
		For Class 52 Rating, Deduct	*-1,803.20*	
		For Class 54 Rating, Add	*2,486.25*	
		For Class 55 Rating, Add	*3,710.26*	
		For Class 56 Rating, Add	*4,917.88*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,296.57	1,507.43
		For Class 52 Rating, Deduct	*-1,871.38*	
		For Class 54 Rating, Add	*2,579.29*	
		For Class 55 Rating, Add	*3,848.62*	
		For Class 56 Rating, Add	*5,100.93*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,921.76	1,510.95
		For Class 52 Rating, Deduct	*-1,939.57*	
		For Class 54 Rating, Add	*2,672.34*	
		For Class 55 Rating, Add	*3,986.98*	
		For Class 56 Rating, Add	*5,283.99*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,546.96	1,514.46
		For Class 52 Rating, Deduct	*-2,007.76*	
		For Class 54 Rating, Add	*2,765.38*	
		For Class 55 Rating, Add	*4,125.34*	
		For Class 56 Rating, Add	*5,467.04*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,172.14	1,517.97
		For Class 52 Rating, Deduct	*-2,075.94*	
		For Class 54 Rating, Add	*2,858.43*	
		For Class 55 Rating, Add	*4,263.70*	
		For Class 56 Rating, Add	*5,650.09*	
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,797.34	1,521.49
		For Class 52 Rating, Deduct	*-2,144.13*	
		For Class 54 Rating, Add	*2,951.47*	
		For Class 55 Rating, Add	*4,402.06*	
		For Class 56 Rating, Add	*5,833.15*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,422.54	1,525.00
		For Class 52 Rating, Deduct	*-2,212.31*	
		For Class 54 Rating, Add	*3,044.52*	
		For Class 55 Rating, Add	*4,540.42*	
		For Class 56 Rating, Add	*6,016.20*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,047.74	1,528.51
		For Class 52 Rating, Deduct	*-2,280.50*	
		For Class 54 Rating, Add	*3,137.56*	
		For Class 55 Rating, Add	*4,678.78*	
		For Class 56 Rating, Add	*6,199.26*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,672.94	1,532.03
		For Class 52 Rating, Deduct	*-2,348.68*	
		For Class 54 Rating, Add	*3,230.61*	
		For Class 55 Rating, Add	*4,817.13*	
		For Class 56 Rating, Add	*6,382.31*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,298.13	1,535.54
		For Class 52 Rating, Deduct	*-2,416.87*	
		For Class 54 Rating, Add	*3,323.65*	
		For Class 55 Rating, Add	*4,955.49*	
		For Class 56 Rating, Add	*6,565.36*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,923.32	1,539.06
		For Class 52 Rating, Deduct	*-2,485.06*	
		For Class 54 Rating, Add	*3,416.70*	
		For Class 55 Rating, Add	*5,093.85*	
		For Class 56 Rating, Add	*6,748.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,548.51	1,542.57
		For Class 52 Rating, Deduct	*-2,553.24*	
		For Class 54 Rating, Add	*3,509.74*	
		For Class 55 Rating, Add	*5,232.21*	
		For Class 56 Rating, Add	*6,931.47*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,173.71	1,546.08
		For Class 52 Rating, Deduct	*-2,621.43*	
		For Class 54 Rating, Add	*3,602.78*	
		For Class 55 Rating, Add	*5,370.57*	
		For Class 56 Rating, Add	*7,114.52*	
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,798.91	1,549.60
		For Class 52 Rating, Deduct	*-2,689.61*	
		For Class 54 Rating, Add	*3,695.83*	
		For Class 55 Rating, Add	*5,508.93*	
		For Class 56 Rating, Add	*7,297.58*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,424.10	1,553.11
		For Class 52 Rating, Deduct	*-2,757.80*	
		For Class 54 Rating, Add	*3,788.87*	
		For Class 55 Rating, Add	*5,647.29*	
		For Class 56 Rating, Add	*7,480.63*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,049.31	1,556.62
		For Class 52 Rating, Deduct	*-2,825.99*	
		For Class 54 Rating, Add	*3,881.92*	
		For Class 55 Rating, Add	*5,785.65*	
		For Class 56 Rating, Add	*7,663.69*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,674.49	1,560.14
		For Class 52 Rating, Deduct	*-2,894.17*	
		For Class 54 Rating, Add	*3,974.96*	
		For Class 55 Rating, Add	*5,924.01*	
		For Class 56 Rating, Add	*7,846.74*	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,299.69	1,563.65
		For Class 52 Rating, Deduct	*-2,962.36*	
		For Class 54 Rating, Add	*4,068.01*	
		For Class 55 Rating, Add	*6,062.37*	
		For Class 56 Rating, Add	*8,029.79*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,924.88	1,567.17
		For Class 52 Rating, Deduct	*-3,030.54*	
		For Class 54 Rating, Add	*4,161.05*	
		For Class 55 Rating, Add	*6,200.72*	
		For Class 56 Rating, Add	*8,212.85*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,550.08	1,570.68
		For Class 52 Rating, Deduct	*-3,098.73*	
		For Class 54 Rating, Add	*4,254.10*	
		For Class 55 Rating, Add	*6,339.08*	
		For Class 56 Rating, Add	*8,395.90*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,175.28	1,574.19
		For Class 52 Rating, Deduct	*-3,166.91*	
		For Class 54 Rating, Add	*4,347.14*	
		For Class 55 Rating, Add	*6,477.44*	
		For Class 56 Rating, Add	*8,578.95*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,800.46	1,577.71
		For Class 52 Rating, Deduct	*-3,235.10*	
		For Class 54 Rating, Add	*4,440.19*	
		For Class 55 Rating, Add	*6,615.80*	
		For Class 56 Rating, Add	*8,762.01*	

40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,906.54	1,834.21
		For Class 52 Rating, Deduct	*-1,004.02*	
		For Class 54 Rating, Add	*1,402.46*	
		For Class 55 Rating, Add	*2,102.11*	
		For Class 56 Rating, Add	*2,792.64*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,755.09	1,837.73
		For Class 52 Rating, Deduct	*-1,096.77*	
		For Class 54 Rating, Add	*1,529.01*	
		For Class 55 Rating, Add	*2,290.28*	
		For Class 56 Rating, Add	*3,041.58*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,603.63	1,841.24
		For Class 52 Rating, Deduct	*-1,189.53*	
		For Class 54 Rating, Add	*1,655.56*	
		For Class 55 Rating, Add	*2,478.45*	
		For Class 56 Rating, Add	*3,290.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,452.18	1,844.75
		For Class 52 Rating, Deduct	*-1,282.28*	
		For Class 54 Rating, Add	*1,782.10*	
		For Class 55 Rating, Add	*2,666.61*	
		For Class 56 Rating, Add	*3,539.46*	
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,300.73	1,848.27
		For Class 52 Rating, Deduct	*-1,375.04*	
		For Class 54 Rating, Add	*1,908.65*	
		For Class 55 Rating, Add	*2,854.78*	
		For Class 56 Rating, Add	*3,788.41*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,149.28	1,851.78
		For Class 52 Rating, Deduct	*-1,467.79*	
		For Class 54 Rating, Add	*2,035.20*	
		For Class 55 Rating, Add	*3,042.95*	
		For Class 56 Rating, Add	*4,037.35*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,997.83	1,855.30
		For Class 52 Rating, Deduct	*-1,560.54*	
		For Class 54 Rating, Add	*2,161.75*	
		For Class 55 Rating, Add	*3,231.12*	
		For Class 56 Rating, Add	*4,286.30*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,846.38	1,858.81
		For Class 52 Rating, Deduct	*-1,653.30*	
		For Class 54 Rating, Add	*2,288.30*	
		For Class 55 Rating, Add	*3,419.28*	
		For Class 56 Rating, Add	*4,535.24*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,694.93	1,862.32
		For Class 52 Rating, Deduct	*-1,746.05*	
		For Class 54 Rating, Add	*2,414.84*	
		For Class 55 Rating, Add	*3,607.45*	
		For Class 56 Rating, Add	*4,784.18*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,543.48	1,865.84
		For Class 52 Rating, Deduct	*-1,838.81*	
		For Class 54 Rating, Add	*2,541.39*	
		For Class 55 Rating, Add	*3,795.62*	
		For Class 56 Rating, Add	*5,033.13*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,392.03	1,869.35
		For Class 52 Rating, Deduct	*-1,931.56*	
		For Class 54 Rating, Add	*2,667.94*	
		For Class 55 Rating, Add	*3,983.78*	
		For Class 56 Rating, Add	*5,282.07*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,240.58	1,872.86
		For Class 52 Rating, Deduct	*-2,024.32*	
		For Class 54 Rating, Add	*2,794.49*	
		For Class 55 Rating, Add	*4,171.95*	
		For Class 56 Rating, Add	*5,531.01*	
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,089.13	1,876.38
		For Class 52 Rating, Deduct	*-2,117.07*	
		For Class 54 Rating, Add	*2,921.03*	
		For Class 55 Rating, Add	*4,360.12*	
		For Class 56 Rating, Add	*5,779.95*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,937.67	1,879.89
		For Class 52 Rating, Deduct	*-2,209.83*	
		For Class 54 Rating, Add	*3,047.58*	
		For Class 55 Rating, Add	*4,548.28*	
		For Class 56 Rating, Add	*6,028.90*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,786.22	1,883.41
		For Class 52 Rating, Deduct	*-2,302.58*	
		For Class 54 Rating, Add	*3,174.13*	
		For Class 55 Rating, Add	*4,736.45*	
		For Class 56 Rating, Add	*6,277.84*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,634.78	1,886.92
		For Class 52 Rating, Deduct	*-2,395.34*	
		For Class 54 Rating, Add	*3,300.68*	
		For Class 55 Rating, Add	*4,924.62*	
		For Class 56 Rating, Add	*6,526.78*	
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,483.32	1,890.43
		For Class 52 Rating, Deduct	*-2,488.09*	
		For Class 54 Rating, Add	*3,427.22*	
		For Class 55 Rating, Add	*5,112.78*	
		For Class 56 Rating, Add	*6,775.73*	
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,331.88	1,893.95
		For Class 52 Rating, Deduct	*-2,580.85*	
		For Class 54 Rating, Add	*3,553.77*	
		For Class 55 Rating, Add	*5,300.95*	
		For Class 56 Rating, Add	*7,024.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,180.43	1,897.46
		For Class 52 Rating, Deduct	*-2,673.60*	
		For Class 54 Rating, Add	*3,680.32*	
		For Class 55 Rating, Add	*5,489.12*	
		For Class 56 Rating, Add	*7,273.61*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,028.97	1,900.98
		For Class 52 Rating, Deduct	*-2,766.36*	
		For Class 54 Rating, Add	*3,806.87*	
		For Class 55 Rating, Add	*5,677.29*	
		For Class 56 Rating, Add	*7,522.56*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,877.52	1,904.49
		For Class 52 Rating, Deduct	*-2,859.11*	
		For Class 54 Rating, Add	*3,933.42*	
		For Class 55 Rating, Add	*5,865.45*	
		For Class 56 Rating, Add	*7,771.50*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,726.07	1,908.00
		For Class 52 Rating, Deduct	*-2,951.87*	
		For Class 54 Rating, Add	*4,059.96*	
		For Class 55 Rating, Add	*6,053.62*	
		For Class 56 Rating, Add	*8,020.44*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,574.63	1,911.52
		For Class 52 Rating, Deduct	*-3,044.62*	
		For Class 54 Rating, Add	*4,186.51*	
		For Class 55 Rating, Add	*6,241.79*	
		For Class 56 Rating, Add	*8,269.39*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,423.17	1,915.03
		For Class 52 Rating, Deduct	*-3,137.38*	
		For Class 54 Rating, Add	*4,313.06*	
		For Class 55 Rating, Add	*6,429.95*	
		For Class 56 Rating, Add	*8,518.33*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,271.73	1,918.55
		For Class 52 Rating, Deduct	*-3,230.13*	
		For Class 54 Rating, Add	*4,439.61*	
		For Class 55 Rating, Add	*6,618.12*	
		For Class 56 Rating, Add	*8,767.27*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,120.27	1,922.07
		For Class 52 Rating, Deduct	*-3,322.89*	
		For Class 54 Rating, Add	*4,566.16*	
		For Class 55 Rating, Add	*6,806.29*	
		For Class 56 Rating, Add	*9,016.22*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,968.82	1,925.58
		For Class 52 Rating, Deduct	*-3,415.64*	
		For Class 54 Rating, Add	*4,692.70*	
		For Class 55 Rating, Add	*6,994.46*	
		For Class 56 Rating, Add	*9,265.16*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,817.37	1,929.10
		For Class 52 Rating, Deduct	*-3,508.40*	
		For Class 54 Rating, Add	*4,819.25*	
		For Class 55 Rating, Add	*7,182.62*	
		For Class 56 Rating, Add	*9,514.10*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,665.92	1,932.61
		For Class 52 Rating, Deduct	*-3,601.15*	
		For Class 54 Rating, Add	*4,945.80*	
		For Class 55 Rating, Add	*7,370.79*	
		For Class 56 Rating, Add	*9,763.05*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,514.48	1,936.12
		For Class 52 Rating, Deduct	*-3,693.91*	
		For Class 54 Rating, Add	*5,072.35*	
		For Class 55 Rating, Add	*7,558.96*	
		For Class 56 Rating, Add	*10,011.99*	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,363.01	1,939.64
		For Class 52 Rating, Deduct	*-3,786.66*	
		For Class 54 Rating, Add	*5,198.89*	
		For Class 55 Rating, Add	*7,747.12*	
		For Class 56 Rating, Add	*10,260.93*	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,211.57	1,943.15
		For Class 52 Rating, Deduct	*-3,879.42*	
		For Class 54 Rating, Add	*5,325.44*	
		For Class 55 Rating, Add	*7,935.29*	
		For Class 56 Rating, Add	*10,509.88*	
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,060.11	1,946.66
		For Class 52 Rating, Deduct	*-3,972.17*	
		For Class 54 Rating, Add	*5,451.99*	
		For Class 55 Rating, Add	*8,123.46*	
		For Class 56 Rating, Add	*10,758.82*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023		EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,908.67	1,950.18
			For Class 52 Rating, Deduct	*-4,064.92*	
			For Class 54 Rating, Add	*5,578.54*	
			For Class 55 Rating, Add	*8,311.63*	
			For Class 56 Rating, Add	*11,007.76*	
40 05 19 00-1024		EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,757.22	1,953.69
			For Class 52 Rating, Deduct	*-4,157.68*	
			For Class 54 Rating, Add	*5,705.09*	
			For Class 55 Rating, Add	*8,499.79*	
			For Class 56 Rating, Add	*11,256.71*	
40 05 19 00-1025		EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,605.77	1,957.21
			For Class 52 Rating, Deduct	*-4,250.43*	
			For Class 54 Rating, Add	*5,831.63*	
			For Class 55 Rating, Add	*8,687.96*	
			For Class 56 Rating, Add	*11,505.65*	
40 05 19 00-1026		EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,454.32	1,960.72
			For Class 52 Rating, Deduct	*-4,343.19*	
			For Class 54 Rating, Add	*5,958.18*	
			For Class 55 Rating, Add	*8,876.13*	
			For Class 56 Rating, Add	*11,754.59*	
40 05 19 00-1027		EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,302.86	1,964.23
			For Class 52 Rating, Deduct	*-4,435.94*	
			For Class 54 Rating, Add	*6,084.73*	
			For Class 55 Rating, Add	*9,064.29*	
			For Class 56 Rating, Add	*12,003.53*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030		EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	624.26	171.84
			For Class 52 Rating, Deduct	*-40.03*	
			For Class 54 Rating, Add	*57.71*	
			For Class 55 Rating, Add	*87.40*	
			For Class 56 Rating, Add	*116.72*	
40 05 19 00-1031		EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	694.06	174.85
			For Class 52 Rating, Deduct	*-47.21*	
			For Class 54 Rating, Add	*67.55*	
			For Class 55 Rating, Add	*102.06*	
			For Class 56 Rating, Add	*136.13*	
40 05 19 00-1032		EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	763.87	177.87
			For Class 52 Rating, Deduct	*-54.38*	
			For Class 54 Rating, Add	*77.39*	
			For Class 55 Rating, Add	*116.72*	
			For Class 56 Rating, Add	*155.55*	
40 05 19 00-1033		EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	833.67	180.86
			For Class 52 Rating, Deduct	*-61.56*	
			For Class 54 Rating, Add	*87.23*	
			For Class 55 Rating, Add	*131.38*	
			For Class 56 Rating, Add	*174.96*	
40 05 19 00-1034		EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.47	183.87
			For Class 52 Rating, Deduct	*-68.74*	
			For Class 54 Rating, Add	*97.08*	
			For Class 55 Rating, Add	*146.04*	
			For Class 56 Rating, Add	*194.37*	
40 05 19 00-1035		EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	973.26	186.87
			For Class 52 Rating, Deduct	*-75.92*	
			For Class 54 Rating, Add	*106.92*	
			For Class 55 Rating, Add	*160.70*	
			For Class 56 Rating, Add	*213.78*	
40 05 19 00-1036		EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,043.07	189.88
			For Class 52 Rating, Deduct	*-83.09*	
			For Class 54 Rating, Add	*116.76*	
			For Class 55 Rating, Add	*175.36*	
			For Class 56 Rating, Add	*233.20*	
40 05 19 00-1037		EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,112.87	192.87
			For Class 52 Rating, Deduct	*-90.27*	
			For Class 54 Rating, Add	*126.60*	
			For Class 55 Rating, Add	*190.02*	
			For Class 56 Rating, Add	*252.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,182.67	195.89
		For Class 52 Rating, Deduct	*-97.45*	
		For Class 54 Rating, Add	*136.44*	
		For Class 55 Rating, Add	*204.68*	
		For Class 56 Rating, Add	*272.02*	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,252.47	198.89
		For Class 52 Rating, Deduct	*-104.63*	
		For Class 54 Rating, Add	*146.29*	
		For Class 55 Rating, Add	*219.34*	
		For Class 56 Rating, Add	*291.43*	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,322.28	201.89
		For Class 52 Rating, Deduct	*-111.80*	
		For Class 54 Rating, Add	*156.13*	
		For Class 55 Rating, Add	*234.00*	
		For Class 56 Rating, Add	*310.85*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,392.08	204.89
		For Class 52 Rating, Deduct	*-118.98*	
		For Class 54 Rating, Add	*165.97*	
		For Class 55 Rating, Add	*248.66*	
		For Class 56 Rating, Add	*330.26*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,461.88	207.90
		For Class 52 Rating, Deduct	*-126.16*	
		For Class 54 Rating, Add	*175.81*	
		For Class 55 Rating, Add	*263.32*	
		For Class 56 Rating, Add	*349.67*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,531.68	210.91
		For Class 52 Rating, Deduct	*-133.34*	
		For Class 54 Rating, Add	*185.66*	
		For Class 55 Rating, Add	*277.98*	
		For Class 56 Rating, Add	*369.08*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,601.49	213.91
		For Class 52 Rating, Deduct	*-140.51*	
		For Class 54 Rating, Add	*195.50*	
		For Class 55 Rating, Add	*292.64*	
		For Class 56 Rating, Add	*388.50*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,671.29	216.91
		For Class 52 Rating, Deduct	*-147.69*	
		For Class 54 Rating, Add	*205.34*	
		For Class 55 Rating, Add	*307.30*	
		For Class 56 Rating, Add	*407.91*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,741.09	219.92
		For Class 52 Rating, Deduct	*-154.87*	
		For Class 54 Rating, Add	*215.18*	
		For Class 55 Rating, Add	*321.96*	
		For Class 56 Rating, Add	*427.32*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,810.89	222.91
		For Class 52 Rating, Deduct	*-162.05*	
		For Class 54 Rating, Add	*225.02*	
		For Class 55 Rating, Add	*336.62*	
		For Class 56 Rating, Add	*446.74*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,880.69	225.92
		For Class 52 Rating, Deduct	*-169.22*	
		For Class 54 Rating, Add	*234.86*	
		For Class 55 Rating, Add	*351.27*	
		For Class 56 Rating, Add	*466.15*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,950.49	228.93
		For Class 52 Rating, Deduct	*-176.40*	
		For Class 54 Rating, Add	*244.71*	
		For Class 55 Rating, Add	*365.93*	
		For Class 56 Rating, Add	*485.56*	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,020.29	231.94
		For Class 52 Rating, Deduct	*-183.58*	
		For Class 54 Rating, Add	*254.55*	
		For Class 55 Rating, Add	*380.59*	
		For Class 56 Rating, Add	*504.97*	
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,090.09	234.94
		For Class 52 Rating, Deduct	*-190.75*	
		For Class 54 Rating, Add	*264.39*	
		For Class 55 Rating, Add	*395.25*	
		For Class 56 Rating, Add	*524.38*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,159.90	237.94
		For Class 52 Rating, Deduct	*-197.93*	
		For Class 54 Rating, Add	*274.23*	
		For Class 55 Rating, Add	*409.91*	
		For Class 56 Rating, Add	*543.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,229.70	240.95
		For Class 52 Rating, Deduct	*-205.11*	
		For Class 54 Rating, Add	*284.08*	
		For Class 55 Rating, Add	*424.57*	
		For Class 56 Rating, Add	*563.21*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.50	243.94
		For Class 52 Rating, Deduct	*-212.29*	
		For Class 54 Rating, Add	*293.92*	
		For Class 55 Rating, Add	*439.23*	
		For Class 56 Rating, Add	*582.62*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,369.30	246.95
		For Class 52 Rating, Deduct	*-219.46*	
		For Class 54 Rating, Add	*303.76*	
		For Class 55 Rating, Add	*453.89*	
		For Class 56 Rating, Add	*602.03*	
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,439.10	249.96
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*313.60*	
		For Class 55 Rating, Add	*468.55*	
		For Class 56 Rating, Add	*621.45*	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,508.91	252.97
		For Class 52 Rating, Deduct	*-233.82*	
		For Class 54 Rating, Add	*323.44*	
		For Class 55 Rating, Add	*483.21*	
		For Class 56 Rating, Add	*640.86*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,578.71	255.96
		For Class 52 Rating, Deduct	*-241.00*	
		For Class 54 Rating, Add	*333.29*	
		For Class 55 Rating, Add	*497.87*	
		For Class 56 Rating, Add	*660.27*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,648.51	258.97
		For Class 52 Rating, Deduct	*-248.17*	
		For Class 54 Rating, Add	*343.13*	
		For Class 55 Rating, Add	*512.53*	
		For Class 56 Rating, Add	*679.68*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,718.30	261.98
		For Class 52 Rating, Deduct	*-255.35*	
		For Class 54 Rating, Add	*352.97*	
		For Class 55 Rating, Add	*527.19*	
		For Class 56 Rating, Add	*699.10*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,788.11	264.99
		For Class 52 Rating, Deduct	*-262.53*	
		For Class 54 Rating, Add	*362.81*	
		For Class 55 Rating, Add	*541.85*	
		For Class 56 Rating, Add	*718.51*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,857.91	267.99
		For Class 52 Rating, Deduct	*-269.71*	
		For Class 54 Rating, Add	*372.65*	
		For Class 55 Rating, Add	*556.51*	
		For Class 56 Rating, Add	*737.92*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,927.71	270.99
		For Class 52 Rating, Deduct	*-276.88*	
		For Class 54 Rating, Add	*382.50*	
		For Class 55 Rating, Add	*571.17*	
		For Class 56 Rating, Add	*757.33*	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,997.51	274.00
		For Class 52 Rating, Deduct	*-284.06*	
		For Class 54 Rating, Add	*392.34*	
		For Class 55 Rating, Add	*585.83*	
		For Class 56 Rating, Add	*776.75*	
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,067.32	276.99
		For Class 52 Rating, Deduct	*-291.24*	
		For Class 54 Rating, Add	*402.18*	
		For Class 55 Rating, Add	*600.49*	
		For Class 56 Rating, Add	*796.16*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,137.12	280.00
		For Class 52 Rating, Deduct	*-298.42*	
		For Class 54 Rating, Add	*412.02*	
		For Class 55 Rating, Add	*615.15*	
		For Class 56 Rating, Add	*815.57*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,206.92	283.01
		For Class 52 Rating, Deduct	*-305.59*	
		For Class 54 Rating, Add	*421.86*	
		For Class 55 Rating, Add	*629.81*	
		For Class 56 Rating, Add	*834.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,276.72	286.02
		For Class 52 Rating, Deduct	*-312.77*	
		For Class 54 Rating, Add	*431.71*	
		For Class 55 Rating, Add	*644.47*	
		For Class 56 Rating, Add	*854.40*	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	781.98	216.32
		For Class 52 Rating, Deduct	*-49.97*	
		For Class 54 Rating, Add	*72.07*	
		For Class 55 Rating, Add	*109.16*	
		For Class 56 Rating, Add	*145.80*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	866.83	219.32
		For Class 52 Rating, Deduct	*-58.80*	
		For Class 54 Rating, Add	*84.17*	
		For Class 55 Rating, Add	*127.18*	
		For Class 56 Rating, Add	*169.65*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.70	222.32
		For Class 52 Rating, Deduct	*-67.63*	
		For Class 54 Rating, Add	*96.27*	
		For Class 55 Rating, Add	*145.20*	
		For Class 56 Rating, Add	*193.51*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.56	225.32
		For Class 52 Rating, Deduct	*-76.47*	
		For Class 54 Rating, Add	*108.37*	
		For Class 55 Rating, Add	*163.21*	
		For Class 56 Rating, Add	*217.36*	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,121.42	228.33
		For Class 52 Rating, Deduct	*-85.30*	
		For Class 54 Rating, Add	*120.47*	
		For Class 55 Rating, Add	*181.23*	
		For Class 56 Rating, Add	*241.22*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,206.27	231.32
		For Class 52 Rating, Deduct	*-94.13*	
		For Class 54 Rating, Add	*132.57*	
		For Class 55 Rating, Add	*199.25*	
		For Class 56 Rating, Add	*265.07*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,291.14	234.34
		For Class 52 Rating, Deduct	*-102.97*	
		For Class 54 Rating, Add	*144.67*	
		For Class 55 Rating, Add	*217.27*	
		For Class 56 Rating, Add	*288.93*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,376.00	237.35
		For Class 52 Rating, Deduct	*-111.80*	
		For Class 54 Rating, Add	*156.77*	
		For Class 55 Rating, Add	*235.29*	
		For Class 56 Rating, Add	*312.78*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,460.86	240.35
		For Class 52 Rating, Deduct	*-120.64*	
		For Class 54 Rating, Add	*168.87*	
		For Class 55 Rating, Add	*253.30*	
		For Class 56 Rating, Add	*336.64*	
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,545.71	243.35
		For Class 52 Rating, Deduct	*-129.47*	
		For Class 54 Rating, Add	*180.97*	
		For Class 55 Rating, Add	*271.32*	
		For Class 56 Rating, Add	*360.49*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,630.58	246.35
		For Class 52 Rating, Deduct	*-138.30*	
		For Class 54 Rating, Add	*193.08*	
		For Class 55 Rating, Add	*289.34*	
		For Class 56 Rating, Add	*384.34*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,715.44	249.36
		For Class 52 Rating, Deduct	*-147.14*	
		For Class 54 Rating, Add	*205.18*	
		For Class 55 Rating, Add	*307.36*	
		For Class 56 Rating, Add	*408.20*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,800.29	252.36
		For Class 52 Rating, Deduct	*-155.97*	
		For Class 54 Rating, Add	*217.28*	
		For Class 55 Rating, Add	*325.37*	
		For Class 56 Rating, Add	*432.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,885.15	255.37
		For Class 52 Rating, Deduct	*-164.81*	
		For Class 54 Rating, Add	*229.38*	
		For Class 55 Rating, Add	*343.39*	
		For Class 56 Rating, Add	*455.91*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,970.02	258.37
		For Class 52 Rating, Deduct	*-173.64*	
		For Class 54 Rating, Add	*241.48*	
		For Class 55 Rating, Add	*361.41*	
		For Class 56 Rating, Add	*479.76*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,054.88	261.38
		For Class 52 Rating, Deduct	*-182.47*	
		For Class 54 Rating, Add	*253.58*	
		For Class 55 Rating, Add	*379.43*	
		For Class 56 Rating, Add	*503.62*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,139.73	264.37
		For Class 52 Rating, Deduct	*-191.31*	
		For Class 54 Rating, Add	*265.68*	
		For Class 55 Rating, Add	*397.44*	
		For Class 56 Rating, Add	*527.47*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,224.58	267.38
		For Class 52 Rating, Deduct	*-200.14*	
		For Class 54 Rating, Add	*277.78*	
		For Class 55 Rating, Add	*415.46*	
		For Class 56 Rating, Add	*551.33*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,309.45	270.39
		For Class 52 Rating, Deduct	*-208.97*	
		For Class 54 Rating, Add	*289.88*	
		For Class 55 Rating, Add	*433.48*	
		For Class 56 Rating, Add	*575.18*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,394.30	273.40
		For Class 52 Rating, Deduct	*-217.81*	
		For Class 54 Rating, Add	*301.98*	
		For Class 55 Rating, Add	*451.50*	
		For Class 56 Rating, Add	*599.03*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,479.16	276.39
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*314.08*	
		For Class 55 Rating, Add	*469.52*	
		For Class 56 Rating, Add	*622.89*	
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,564.02	279.40
		For Class 52 Rating, Deduct	*-235.48*	
		For Class 54 Rating, Add	*326.18*	
		For Class 55 Rating, Add	*487.53*	
		For Class 56 Rating, Add	*646.74*	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,648.89	282.41
		For Class 52 Rating, Deduct	*-244.31*	
		For Class 54 Rating, Add	*338.28*	
		For Class 55 Rating, Add	*505.55*	
		For Class 56 Rating, Add	*670.60*	
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,733.74	285.40
		For Class 52 Rating, Deduct	*-253.14*	
		For Class 54 Rating, Add	*350.38*	
		For Class 55 Rating, Add	*523.57*	
		For Class 56 Rating, Add	*694.45*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,818.60	288.42
		For Class 52 Rating, Deduct	*-261.98*	
		For Class 54 Rating, Add	*362.49*	
		For Class 55 Rating, Add	*541.59*	
		For Class 56 Rating, Add	*718.31*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,903.46	291.42
		For Class 52 Rating, Deduct	*-270.81*	
		For Class 54 Rating, Add	*374.59*	
		For Class 55 Rating, Add	*559.61*	
		For Class 56 Rating, Add	*742.16*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,988.31	294.43
		For Class 52 Rating, Deduct	*-279.64*	
		For Class 54 Rating, Add	*386.69*	
		For Class 55 Rating, Add	*577.62*	
		For Class 56 Rating, Add	*766.01*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,073.18	297.42
		For Class 52 Rating, Deduct	*-288.48*	
		For Class 54 Rating, Add	*398.79*	
		For Class 55 Rating, Add	*595.64*	
		For Class 56 Rating, Add	*789.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,158.04	300.43
		For Class 52 Rating, Deduct	*-297.31*	
		For Class 54 Rating, Add	*410.89*	
		For Class 55 Rating, Add	*613.66*	
		For Class 56 Rating, Add	*813.73*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,242.90	303.44
		For Class 52 Rating, Deduct	*-306.15*	
		For Class 54 Rating, Add	*422.99*	
		For Class 55 Rating, Add	*631.68*	
		For Class 56 Rating, Add	*837.58*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,327.75	306.44
		For Class 52 Rating, Deduct	*-314.98*	
		For Class 54 Rating, Add	*435.09*	
		For Class 55 Rating, Add	*649.69*	
		For Class 56 Rating, Add	*861.43*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,412.62	309.44
		For Class 52 Rating, Deduct	*-323.81*	
		For Class 54 Rating, Add	*447.19*	
		For Class 55 Rating, Add	*667.71*	
		For Class 56 Rating, Add	*885.29*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,497.48	312.45
		For Class 52 Rating, Deduct	*-332.65*	
		For Class 54 Rating, Add	*459.29*	
		For Class 55 Rating, Add	*685.73*	
		For Class 56 Rating, Add	*909.14*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,582.34	315.46
		For Class 52 Rating, Deduct	*-341.48*	
		For Class 54 Rating, Add	*471.39*	
		For Class 55 Rating, Add	*703.75*	
		For Class 56 Rating, Add	*933.00*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,667.19	318.45
		For Class 52 Rating, Deduct	*-350.31*	
		For Class 54 Rating, Add	*483.49*	
		For Class 55 Rating, Add	*721.76*	
		For Class 56 Rating, Add	*956.85*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,752.06	321.47
		For Class 52 Rating, Deduct	*-359.15*	
		For Class 54 Rating, Add	*495.59*	
		For Class 55 Rating, Add	*739.78*	
		For Class 56 Rating, Add	*980.71*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,836.92	324.47
		For Class 52 Rating, Deduct	*-367.98*	
		For Class 54 Rating, Add	*507.69*	
		For Class 55 Rating, Add	*757.80*	
		For Class 56 Rating, Add	*1,004.56*	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,921.77	327.47
		For Class 52 Rating, Deduct	*-376.82*	
		For Class 54 Rating, Add	*519.79*	
		For Class 55 Rating, Add	*775.82*	
		For Class 56 Rating, Add	*1,028.41*	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,006.63	330.47
		For Class 52 Rating, Deduct	*-385.65*	
		For Class 54 Rating, Add	*531.90*	
		For Class 55 Rating, Add	*793.84*	
		For Class 56 Rating, Add	*1,052.27*	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,078.80	276.39
		For Class 52 Rating, Deduct	*-72.60*	
		For Class 54 Rating, Add	*104.03*	
		For Class 55 Rating, Add	*157.24*	
		For Class 56 Rating, Add	*209.78*	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,193.78	279.40
		For Class 52 Rating, Deduct	*-84.75*	
		For Class 54 Rating, Add	*120.65*	
		For Class 55 Rating, Add	*181.97*	
		For Class 56 Rating, Add	*242.52*	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.76	282.41
		For Class 52 Rating, Deduct	*-96.90*	
		For Class 54 Rating, Add	*137.27*	
		For Class 55 Rating, Add	*206.70*	
		For Class 56 Rating, Add	*275.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,423.73	285.40
		For Class 52 Rating, Deduct	*-109.04*	
		For Class 54 Rating, Add	*153.88*	
		For Class 55 Rating, Add	*231.44*	
		For Class 56 Rating, Add	*308.00*	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,538.70	288.42
		For Class 52 Rating, Deduct	*-121.19*	
		For Class 54 Rating, Add	*170.50*	
		For Class 55 Rating, Add	*256.17*	
		For Class 56 Rating, Add	*340.74*	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,653.68	291.42
		For Class 52 Rating, Deduct	*-133.34*	
		For Class 54 Rating, Add	*187.12*	
		For Class 55 Rating, Add	*280.90*	
		For Class 56 Rating, Add	*373.48*	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,768.65	294.43
		For Class 52 Rating, Deduct	*-145.48*	
		For Class 54 Rating, Add	*203.74*	
		For Class 55 Rating, Add	*305.64*	
		For Class 56 Rating, Add	*406.21*	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,883.63	297.42
		For Class 52 Rating, Deduct	*-157.63*	
		For Class 54 Rating, Add	*220.35*	
		For Class 55 Rating, Add	*330.37*	
		For Class 56 Rating, Add	*438.95*	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,998.60	300.43
		For Class 52 Rating, Deduct	*-169.77*	
		For Class 54 Rating, Add	*236.97*	
		For Class 55 Rating, Add	*355.10*	
		For Class 56 Rating, Add	*471.69*	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,113.58	303.44
		For Class 52 Rating, Deduct	*-181.92*	
		For Class 54 Rating, Add	*253.59*	
		For Class 55 Rating, Add	*379.84*	
		For Class 56 Rating, Add	*504.43*	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,228.55	306.44
		For Class 52 Rating, Deduct	*-194.07*	
		For Class 54 Rating, Add	*270.21*	
		For Class 55 Rating, Add	*404.57*	
		For Class 56 Rating, Add	*537.17*	
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,343.53	309.44
		For Class 52 Rating, Deduct	*-206.21*	
		For Class 54 Rating, Add	*286.83*	
		For Class 55 Rating, Add	*429.30*	
		For Class 56 Rating, Add	*569.91*	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,458.50	312.45
		For Class 52 Rating, Deduct	*-218.36*	
		For Class 54 Rating, Add	*303.44*	
		For Class 55 Rating, Add	*454.04*	
		For Class 56 Rating, Add	*602.64*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,573.48	315.46
		For Class 52 Rating, Deduct	*-230.51*	
		For Class 54 Rating, Add	*320.06*	
		For Class 55 Rating, Add	*478.77*	
		For Class 56 Rating, Add	*635.38*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,688.45	318.45
		For Class 52 Rating, Deduct	*-242.65*	
		For Class 54 Rating, Add	*336.68*	
		For Class 55 Rating, Add	*503.50*	
		For Class 56 Rating, Add	*668.12*	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,803.43	321.47
		For Class 52 Rating, Deduct	*-254.80*	
		For Class 54 Rating, Add	*353.30*	
		For Class 55 Rating, Add	*528.24*	
		For Class 56 Rating, Add	*700.86*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,918.40	324.47
		For Class 52 Rating, Deduct	*-266.95*	
		For Class 54 Rating, Add	*369.92*	
		For Class 55 Rating, Add	*552.97*	
		For Class 56 Rating, Add	*733.60*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,033.38	327.47
		For Class 52 Rating, Deduct	*-279.09*	
		For Class 54 Rating, Add	*386.54*	
		For Class 55 Rating, Add	*577.71*	
		For Class 56 Rating, Add	*766.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,148.35	330.47
		For Class 52 Rating, Deduct	*-291.24*	
		For Class 54 Rating, Add	*403.15*	
		For Class 55 Rating, Add	*602.44*	
		For Class 56 Rating, Add	*799.08*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,263.33	333.48
		For Class 52 Rating, Deduct	*-303.39*	
		For Class 54 Rating, Add	*419.77*	
		For Class 55 Rating, Add	*627.17*	
		For Class 56 Rating, Add	*831.81*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,378.30	336.49
		For Class 52 Rating, Deduct	*-315.53*	
		For Class 54 Rating, Add	*436.39*	
		For Class 55 Rating, Add	*651.90*	
		For Class 56 Rating, Add	*864.55*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,493.28	339.49
		For Class 52 Rating, Deduct	*-327.68*	
		For Class 54 Rating, Add	*453.01*	
		For Class 55 Rating, Add	*676.64*	
		For Class 56 Rating, Add	*897.29*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,608.25	342.49
		For Class 52 Rating, Deduct	*-339.83*	
		For Class 54 Rating, Add	*469.63*	
		For Class 55 Rating, Add	*701.37*	
		For Class 56 Rating, Add	*930.03*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,723.22	345.50
		For Class 52 Rating, Deduct	*-351.97*	
		For Class 54 Rating, Add	*486.24*	
		For Class 55 Rating, Add	*726.11*	
		For Class 56 Rating, Add	*962.77*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,838.19	348.50
		For Class 52 Rating, Deduct	*-364.12*	
		For Class 54 Rating, Add	*502.86*	
		For Class 55 Rating, Add	*750.84*	
		For Class 56 Rating, Add	*995.51*	
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,953.16	351.50
		For Class 52 Rating, Deduct	*-376.26*	
		For Class 54 Rating, Add	*519.48*	
		For Class 55 Rating, Add	*775.57*	
		For Class 56 Rating, Add	*1,028.24*	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,068.14	354.52
		For Class 52 Rating, Deduct	*-388.41*	
		For Class 54 Rating, Add	*536.10*	
		For Class 55 Rating, Add	*800.31*	
		For Class 56 Rating, Add	*1,060.98*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,183.12	357.52
		For Class 52 Rating, Deduct	*-400.56*	
		For Class 54 Rating, Add	*552.71*	
		For Class 55 Rating, Add	*825.04*	
		For Class 56 Rating, Add	*1,093.72*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,298.09	360.52
		For Class 52 Rating, Deduct	*-412.70*	
		For Class 54 Rating, Add	*569.33*	
		For Class 55 Rating, Add	*849.77*	
		For Class 56 Rating, Add	*1,126.46*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,413.06	363.52
		For Class 52 Rating, Deduct	*-424.85*	
		For Class 54 Rating, Add	*585.95*	
		For Class 55 Rating, Add	*874.51*	
		For Class 56 Rating, Add	*1,159.20*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,528.04	366.53
		For Class 52 Rating, Deduct	*-437.00*	
		For Class 54 Rating, Add	*602.57*	
		For Class 55 Rating, Add	*899.24*	
		For Class 56 Rating, Add	*1,191.94*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,643.01	369.53
		For Class 52 Rating, Deduct	*-449.14*	
		For Class 54 Rating, Add	*619.19*	
		For Class 55 Rating, Add	*923.97*	
		For Class 56 Rating, Add	*1,224.68*	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,757.99	372.54
		For Class 52 Rating, Deduct	*-461.29*	
		For Class 54 Rating, Add	*635.80*	
		For Class 55 Rating, Add	*948.71*	
		For Class 56 Rating, Add	*1,257.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,872.96	375.54
		For Class 52 Rating, Deduct	*-473.44*	
		For Class 54 Rating, Add	*652.42*	
		For Class 55 Rating, Add	*973.44*	
		For Class 56 Rating, Add	*1,290.15*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,987.94	378.55
		For Class 52 Rating, Deduct	*-485.58*	
		For Class 54 Rating, Add	*669.04*	
		For Class 55 Rating, Add	*998.17*	
		For Class 56 Rating, Add	*1,322.89*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,102.91	381.54
		For Class 52 Rating, Deduct	*-497.73*	
		For Class 54 Rating, Add	*685.66*	
		For Class 55 Rating, Add	*1,022.91*	
		For Class 56 Rating, Add	*1,355.63*	
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,217.89	384.55
		For Class 52 Rating, Deduct	*-509.88*	
		For Class 54 Rating, Add	*702.28*	
		For Class 55 Rating, Add	*1,047.64*	
		For Class 56 Rating, Add	*1,388.37*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,332.86	387.55
		For Class 52 Rating, Deduct	*-522.02*	
		For Class 54 Rating, Add	*718.89*	
		For Class 55 Rating, Add	*1,072.37*	
		For Class 56 Rating, Add	*1,421.11*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,447.84	390.57
		For Class 52 Rating, Deduct	*-534.17*	
		For Class 54 Rating, Add	*735.51*	
		For Class 55 Rating, Add	*1,097.11*	
		For Class 56 Rating, Add	*1,453.85*	

40 05 19 00-1149 10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,360.58	336.49
		For Class 52 Rating, Deduct	*-93.58*	
		For Class 54 Rating, Add	*133.73*	
		For Class 55 Rating, Add	*201.95*	
		For Class 56 Rating, Add	*269.33*	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,510.69	339.49
		For Class 52 Rating, Deduct	*-109.59*	
		For Class 54 Rating, Add	*155.62*	
		For Class 55 Rating, Add	*234.52*	
		For Class 56 Rating, Add	*312.43*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,660.80	342.49
		For Class 52 Rating, Deduct	*-125.61*	
		For Class 54 Rating, Add	*177.51*	
		For Class 55 Rating, Add	*267.09*	
		For Class 56 Rating, Add	*355.53*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,810.90	345.50
		For Class 52 Rating, Deduct	*-141.62*	
		For Class 54 Rating, Add	*199.39*	
		For Class 55 Rating, Add	*299.66*	
		For Class 56 Rating, Add	*398.63*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,961.01	348.50
		For Class 52 Rating, Deduct	*-157.63*	
		For Class 54 Rating, Add	*221.28*	
		For Class 55 Rating, Add	*332.23*	
		For Class 56 Rating, Add	*441.74*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,111.12	351.50
		For Class 52 Rating, Deduct	*-173.64*	
		For Class 54 Rating, Add	*243.17*	
		For Class 55 Rating, Add	*364.80*	
		For Class 56 Rating, Add	*484.84*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,261.23	354.52
		For Class 52 Rating, Deduct	*-189.65*	
		For Class 54 Rating, Add	*265.06*	
		For Class 55 Rating, Add	*397.37*	
		For Class 56 Rating, Add	*527.95*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,411.34	357.52
		For Class 52 Rating, Deduct	*-205.66*	
		For Class 54 Rating, Add	*286.95*	
		For Class 55 Rating, Add	*429.93*	
		For Class 56 Rating, Add	*571.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,561.45	360.52
		For Class 52 Rating, Deduct	*-221.67*	
		For Class 54 Rating, Add	*308.84*	
		For Class 55 Rating, Add	*462.50*	
		For Class 56 Rating, Add	*614.15*	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,711.56	363.52
		For Class 52 Rating, Deduct	*-237.68*	
		For Class 54 Rating, Add	*330.72*	
		For Class 55 Rating, Add	*495.07*	
		For Class 56 Rating, Add	*657.26*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,861.66	366.53
		For Class 52 Rating, Deduct	*-253.70*	
		For Class 54 Rating, Add	*352.61*	
		For Class 55 Rating, Add	*527.64*	
		For Class 56 Rating, Add	*700.36*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,011.77	369.53
		For Class 52 Rating, Deduct	*-269.71*	
		For Class 54 Rating, Add	*374.50*	
		For Class 55 Rating, Add	*560.21*	
		For Class 56 Rating, Add	*743.46*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,161.89	372.54
		For Class 52 Rating, Deduct	*-285.72*	
		For Class 54 Rating, Add	*396.39*	
		For Class 55 Rating, Add	*592.78*	
		For Class 56 Rating, Add	*786.57*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,311.99	375.54
		For Class 52 Rating, Deduct	*-301.73*	
		For Class 54 Rating, Add	*418.28*	
		For Class 55 Rating, Add	*625.34*	
		For Class 56 Rating, Add	*829.67*	
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,462.10	378.55
		For Class 52 Rating, Deduct	*-317.74*	
		For Class 54 Rating, Add	*440.17*	
		For Class 55 Rating, Add	*657.91*	
		For Class 56 Rating, Add	*872.77*	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,612.21	381.54
		For Class 52 Rating, Deduct	*-333.75*	
		For Class 54 Rating, Add	*462.05*	
		For Class 55 Rating, Add	*690.48*	
		For Class 56 Rating, Add	*915.87*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,762.32	384.55
		For Class 52 Rating, Deduct	*-349.76*	
		For Class 54 Rating, Add	*483.94*	
		For Class 55 Rating, Add	*723.05*	
		For Class 56 Rating, Add	*958.98*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,912.43	387.55
		For Class 52 Rating, Deduct	*-365.77*	
		For Class 54 Rating, Add	*505.83*	
		For Class 55 Rating, Add	*755.62*	
		For Class 56 Rating, Add	*1,002.08*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,062.54	390.57
		For Class 52 Rating, Deduct	*-381.79*	
		For Class 54 Rating, Add	*527.72*	
		For Class 55 Rating, Add	*788.19*	
		For Class 56 Rating, Add	*1,045.18*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,212.64	393.56
		For Class 52 Rating, Deduct	*-397.80*	
		For Class 54 Rating, Add	*549.61*	
		For Class 55 Rating, Add	*820.75*	
		For Class 56 Rating, Add	*1,088.28*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,362.76	396.57
		For Class 52 Rating, Deduct	*-413.81*	
		For Class 54 Rating, Add	*571.49*	
		For Class 55 Rating, Add	*853.32*	
		For Class 56 Rating, Add	*1,131.39*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,512.87	399.58
		For Class 52 Rating, Deduct	*-429.82*	
		For Class 54 Rating, Add	*593.38*	
		For Class 55 Rating, Add	*885.89*	
		For Class 56 Rating, Add	*1,174.49*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,662.97	402.57
		For Class 52 Rating, Deduct	*-445.83*	
		For Class 54 Rating, Add	*615.27*	
		For Class 55 Rating, Add	*918.46*	
		For Class 56 Rating, Add	*1,217.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,813.08	405.58
		For Class 52 Rating, Deduct	*-461.84*	
		For Class 54 Rating, Add	*637.16*	
		For Class 55 Rating, Add	*951.03*	
		For Class 56 Rating, Add	*1,260.70*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,963.20	408.59
		For Class 52 Rating, Deduct	*-477.85*	
		For Class 54 Rating, Add	*659.05*	
		For Class 55 Rating, Add	*983.60*	
		For Class 56 Rating, Add	*1,303.80*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,113.30	411.60
		For Class 52 Rating, Deduct	*-493.86*	
		For Class 54 Rating, Add	*680.93*	
		For Class 55 Rating, Add	*1,016.16*	
		For Class 56 Rating, Add	*1,346.90*	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,263.41	414.59
		For Class 52 Rating, Deduct	*-509.88*	
		For Class 54 Rating, Add	*702.82*	
		For Class 55 Rating, Add	*1,048.73*	
		For Class 56 Rating, Add	*1,390.01*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,413.52	417.60
		For Class 52 Rating, Deduct	*-525.89*	
		For Class 54 Rating, Add	*724.71*	
		For Class 55 Rating, Add	*1,081.30*	
		For Class 56 Rating, Add	*1,433.11*	
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,563.62	420.60
		For Class 52 Rating, Deduct	*-541.90*	
		For Class 54 Rating, Add	*746.60*	
		For Class 55 Rating, Add	*1,113.87*	
		For Class 56 Rating, Add	*1,476.21*	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,713.73	423.62
		For Class 52 Rating, Deduct	*-557.91*	
		For Class 54 Rating, Add	*768.49*	
		For Class 55 Rating, Add	*1,146.44*	
		For Class 56 Rating, Add	*1,519.32*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,863.84	426.61
		For Class 52 Rating, Deduct	*-573.92*	
		For Class 54 Rating, Add	*790.38*	
		For Class 55 Rating, Add	*1,179.01*	
		For Class 56 Rating, Add	*1,562.42*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,013.95	429.62
		For Class 52 Rating, Deduct	*-589.93*	
		For Class 54 Rating, Add	*812.26*	
		For Class 55 Rating, Add	*1,211.58*	
		For Class 56 Rating, Add	*1,605.52*	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,164.06	432.63
		For Class 52 Rating, Deduct	*-605.94*	
		For Class 54 Rating, Add	*834.15*	
		For Class 55 Rating, Add	*1,244.14*	
		For Class 56 Rating, Add	*1,648.63*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,314.17	435.62
		For Class 52 Rating, Deduct	*-621.95*	
		For Class 54 Rating, Add	*856.04*	
		For Class 55 Rating, Add	*1,276.71*	
		For Class 56 Rating, Add	*1,691.73*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,464.28	438.63
		For Class 52 Rating, Deduct	*-637.97*	
		For Class 54 Rating, Add	*877.93*	
		For Class 55 Rating, Add	*1,309.28*	
		For Class 56 Rating, Add	*1,734.83*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,614.38	441.64
		For Class 52 Rating, Deduct	*-653.98*	
		For Class 54 Rating, Add	*899.82*	
		For Class 55 Rating, Add	*1,341.85*	
		For Class 56 Rating, Add	*1,777.93*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,764.49	444.65
		For Class 52 Rating, Deduct	*-669.99*	
		For Class 54 Rating, Add	*921.70*	
		For Class 55 Rating, Add	*1,374.42*	
		For Class 56 Rating, Add	*1,821.04*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,914.61	447.64
		For Class 52 Rating, Deduct	*-686.00*	
		For Class 54 Rating, Add	*943.59*	
		For Class 55 Rating, Add	*1,406.99*	
		For Class 56 Rating, Add	*1,864.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,064.71	450.65
		For Class 52 Rating, Deduct	*-702.01*	
		For Class 54 Rating, Add	*965.48*	
		For Class 55 Rating, Add	*1,439.55*	
		For Class 56 Rating, Add	*1,907.24*	

40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,771.62	420.60
		For Class 52 Rating, Deduct	*-124.78*	
		For Class 54 Rating, Add	*177.80*	
		For Class 55 Rating, Add	*268.25*	
		For Class 56 Rating, Add	*357.57*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,959.37	423.62
		For Class 52 Rating, Deduct	*-144.93*	
		For Class 54 Rating, Add	*205.33*	
		For Class 55 Rating, Add	*309.22*	
		For Class 56 Rating, Add	*411.78*	
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,147.12	426.61
		For Class 52 Rating, Deduct	*-165.08*	
		For Class 54 Rating, Add	*232.87*	
		For Class 55 Rating, Add	*350.18*	
		For Class 56 Rating, Add	*465.99*	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,334.87	429.62
		For Class 52 Rating, Deduct	*-185.23*	
		For Class 54 Rating, Add	*260.40*	
		For Class 55 Rating, Add	*391.14*	
		For Class 56 Rating, Add	*520.20*	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,522.63	432.63
		For Class 52 Rating, Deduct	*-205.39*	
		For Class 54 Rating, Add	*287.94*	
		For Class 55 Rating, Add	*432.10*	
		For Class 56 Rating, Add	*574.40*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,710.38	435.62
		For Class 52 Rating, Deduct	*-225.54*	
		For Class 54 Rating, Add	*315.47*	
		For Class 55 Rating, Add	*473.07*	
		For Class 56 Rating, Add	*628.61*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,898.13	438.63
		For Class 52 Rating, Deduct	*-245.69*	
		For Class 54 Rating, Add	*343.01*	
		For Class 55 Rating, Add	*514.03*	
		For Class 56 Rating, Add	*682.82*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,085.88	441.64
		For Class 52 Rating, Deduct	*-265.84*	
		For Class 54 Rating, Add	*370.54*	
		For Class 55 Rating, Add	*554.99*	
		For Class 56 Rating, Add	*737.03*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,273.64	444.65
		For Class 52 Rating, Deduct	*-285.99*	
		For Class 54 Rating, Add	*398.08*	
		For Class 55 Rating, Add	*595.96*	
		For Class 56 Rating, Add	*791.24*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,461.40	447.64
		For Class 52 Rating, Deduct	*-306.15*	
		For Class 54 Rating, Add	*425.61*	
		For Class 55 Rating, Add	*636.92*	
		For Class 56 Rating, Add	*845.45*	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,649.15	450.65
		For Class 52 Rating, Deduct	*-326.30*	
		For Class 54 Rating, Add	*453.15*	
		For Class 55 Rating, Add	*677.88*	
		For Class 56 Rating, Add	*899.65*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,836.90	453.65
		For Class 52 Rating, Deduct	*-346.45*	
		For Class 54 Rating, Add	*480.68*	
		For Class 55 Rating, Add	*718.85*	
		For Class 56 Rating, Add	*953.86*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,024.65	456.65
		For Class 52 Rating, Deduct	*-366.60*	
		For Class 54 Rating, Add	*508.22*	
		For Class 55 Rating, Add	*759.81*	
		For Class 56 Rating, Add	*1,008.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,212.41	459.66
		For Class 52 Rating, Deduct	*-386.75*	
		For Class 54 Rating, Add	*535.75*	
		For Class 55 Rating, Add	*800.77*	
		For Class 56 Rating, Add	*1,062.28*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,400.16	462.67
		For Class 52 Rating, Deduct	*-406.91*	
		For Class 54 Rating, Add	*563.28*	
		For Class 55 Rating, Add	*841.73*	
		For Class 56 Rating, Add	*1,116.49*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,587.91	465.67
		For Class 52 Rating, Deduct	*-427.06*	
		For Class 54 Rating, Add	*590.82*	
		For Class 55 Rating, Add	*882.70*	
		For Class 56 Rating, Add	*1,170.69*	
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,775.66	468.67
		For Class 52 Rating, Deduct	*-447.21*	
		For Class 54 Rating, Add	*618.35*	
		For Class 55 Rating, Add	*923.66*	
		For Class 56 Rating, Add	*1,224.90*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,963.42	471.67
		For Class 52 Rating, Deduct	*-467.36*	
		For Class 54 Rating, Add	*645.89*	
		For Class 55 Rating, Add	*964.62*	
		For Class 56 Rating, Add	*1,279.11*	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,151.17	474.69
		For Class 52 Rating, Deduct	*-487.51*	
		For Class 54 Rating, Add	*673.42*	
		For Class 55 Rating, Add	*1,005.59*	
		For Class 56 Rating, Add	*1,333.32*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,338.92	477.69
		For Class 52 Rating, Deduct	*-507.67*	
		For Class 54 Rating, Add	*700.96*	
		For Class 55 Rating, Add	*1,046.55*	
		For Class 56 Rating, Add	*1,387.52*	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,526.68	480.69
		For Class 52 Rating, Deduct	*-527.82*	
		For Class 54 Rating, Add	*728.49*	
		For Class 55 Rating, Add	*1,087.51*	
		For Class 56 Rating, Add	*1,441.74*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,714.44	483.70
		For Class 52 Rating, Deduct	*-547.97*	
		For Class 54 Rating, Add	*756.03*	
		For Class 55 Rating, Add	*1,128.48*	
		For Class 56 Rating, Add	*1,495.94*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,902.19	486.70
		For Class 52 Rating, Deduct	*-568.12*	
		For Class 54 Rating, Add	*783.56*	
		For Class 55 Rating, Add	*1,169.44*	
		For Class 56 Rating, Add	*1,550.15*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,089.94	489.70
		For Class 52 Rating, Deduct	*-588.28*	
		For Class 54 Rating, Add	*811.10*	
		For Class 55 Rating, Add	*1,210.40*	
		For Class 56 Rating, Add	*1,604.36*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,277.69	492.71
		For Class 52 Rating, Deduct	*-608.43*	
		For Class 54 Rating, Add	*838.63*	
		For Class 55 Rating, Add	*1,251.37*	
		For Class 56 Rating, Add	*1,658.57*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,465.44	495.72
		For Class 52 Rating, Deduct	*-628.58*	
		For Class 54 Rating, Add	*866.17*	
		For Class 55 Rating, Add	*1,292.33*	
		For Class 56 Rating, Add	*1,712.78*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,653.19	498.72
		For Class 52 Rating, Deduct	*-648.73*	
		For Class 54 Rating, Add	*893.70*	
		For Class 55 Rating, Add	*1,333.29*	
		For Class 56 Rating, Add	*1,766.98*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,840.94	501.72
		For Class 52 Rating, Deduct	*-668.88*	
		For Class 54 Rating, Add	*921.24*	
		For Class 55 Rating, Add	*1,374.25*	
		For Class 56 Rating, Add	*1,821.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,028.69	504.72
		For Class 52 Rating, Deduct	*-689.04*	
		For Class 54 Rating, Add	*948.77*	
		For Class 55 Rating, Add	*1,415.22*	
		For Class 56 Rating, Add	*1,875.40*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,216.45	507.73
		For Class 52 Rating, Deduct	*-709.19*	
		For Class 54 Rating, Add	*976.31*	
		For Class 55 Rating, Add	*1,456.18*	
		For Class 56 Rating, Add	*1,929.61*	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,404.20	510.72
		For Class 52 Rating, Deduct	*-729.34*	
		For Class 54 Rating, Add	*1,003.84*	
		For Class 55 Rating, Add	*1,497.14*	
		For Class 56 Rating, Add	*1,983.81*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,591.95	513.74
		For Class 52 Rating, Deduct	*-749.49*	
		For Class 54 Rating, Add	*1,031.37*	
		For Class 55 Rating, Add	*1,538.11*	
		For Class 56 Rating, Add	*2,038.02*	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,779.70	516.75
		For Class 52 Rating, Deduct	*-769.64*	
		For Class 54 Rating, Add	*1,058.91*	
		For Class 55 Rating, Add	*1,579.07*	
		For Class 56 Rating, Add	*2,092.23*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,967.46	519.75
		For Class 52 Rating, Deduct	*-789.80*	
		For Class 54 Rating, Add	*1,086.45*	
		For Class 55 Rating, Add	*1,620.03*	
		For Class 56 Rating, Add	*2,146.44*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,155.22	522.75
		For Class 52 Rating, Deduct	*-809.95*	
		For Class 54 Rating, Add	*1,113.98*	
		For Class 55 Rating, Add	*1,661.00*	
		For Class 56 Rating, Add	*2,200.65*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,342.97	525.75
		For Class 52 Rating, Deduct	*-830.10*	
		For Class 54 Rating, Add	*1,141.51*	
		For Class 55 Rating, Add	*1,701.96*	
		For Class 56 Rating, Add	*2,254.86*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,530.72	528.77
		For Class 52 Rating, Deduct	*-850.25*	
		For Class 54 Rating, Add	*1,169.05*	
		For Class 55 Rating, Add	*1,742.92*	
		For Class 56 Rating, Add	*2,309.06*	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,718.47	531.76
		For Class 52 Rating, Deduct	*-870.40*	
		For Class 54 Rating, Add	*1,196.58*	
		For Class 55 Rating, Add	*1,783.88*	
		For Class 56 Rating, Add	*2,363.27*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,906.23	534.77
		For Class 52 Rating, Deduct	*-890.56*	
		For Class 54 Rating, Add	*1,224.12*	
		For Class 55 Rating, Add	*1,824.85*	
		For Class 56 Rating, Add	*2,417.48*	
40 05 19 00-1229		14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,383.42	504.72
		For Class 52 Rating, Deduct	*-178.06*	
		For Class 54 Rating, Add	*251.98*	
		For Class 55 Rating, Add	*379.32*	
		For Class 56 Rating, Add	*505.04*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,611.34	507.73
		For Class 52 Rating, Deduct	*-202.63*	
		For Class 54 Rating, Add	*285.54*	
		For Class 55 Rating, Add	*429.24*	
		For Class 56 Rating, Add	*571.10*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,839.24	510.72
		For Class 52 Rating, Deduct	*-227.19*	
		For Class 54 Rating, Add	*319.10*	
		For Class 55 Rating, Add	*479.16*	
		For Class 56 Rating, Add	*637.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,067.15	513.74
		For Class 52 Rating, Deduct	*-251.76*	
		For Class 54 Rating, Add	*352.65*	
		For Class 55 Rating, Add	*529.07*	
		For Class 56 Rating, Add	*703.21*	
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,295.05	516.75
		For Class 52 Rating, Deduct	*-276.33*	
		For Class 54 Rating, Add	*386.21*	
		For Class 55 Rating, Add	*578.99*	
		For Class 56 Rating, Add	*769.26*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,522.95	519.75
		For Class 52 Rating, Deduct	*-300.90*	
		For Class 54 Rating, Add	*419.77*	
		For Class 55 Rating, Add	*628.91*	
		For Class 56 Rating, Add	*835.31*	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,750.87	522.75
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*453.33*	
		For Class 55 Rating, Add	*678.83*	
		For Class 56 Rating, Add	*901.37*	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,978.77	525.75
		For Class 52 Rating, Deduct	*-350.04*	
		For Class 54 Rating, Add	*486.88*	
		For Class 55 Rating, Add	*728.74*	
		For Class 56 Rating, Add	*967.42*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,206.68	528.77
		For Class 52 Rating, Deduct	*-374.61*	
		For Class 54 Rating, Add	*520.44*	
		For Class 55 Rating, Add	*778.66*	
		For Class 56 Rating, Add	*1,033.47*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,434.58	531.76
		For Class 52 Rating, Deduct	*-399.18*	
		For Class 54 Rating, Add	*554.00*	
		For Class 55 Rating, Add	*828.58*	
		For Class 56 Rating, Add	*1,099.52*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,662.50	534.77
		For Class 52 Rating, Deduct	*-423.75*	
		For Class 54 Rating, Add	*587.56*	
		For Class 55 Rating, Add	*878.50*	
		For Class 56 Rating, Add	*1,165.58*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,890.40	537.77
		For Class 52 Rating, Deduct	*-448.31*	
		For Class 54 Rating, Add	*621.12*	
		For Class 55 Rating, Add	*928.41*	
		For Class 56 Rating, Add	*1,231.63*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,118.30	540.78
		For Class 52 Rating, Deduct	*-472.88*	
		For Class 54 Rating, Add	*654.67*	
		For Class 55 Rating, Add	*978.33*	
		For Class 56 Rating, Add	*1,297.68*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,346.21	543.77
		For Class 52 Rating, Deduct	*-497.45*	
		For Class 54 Rating, Add	*688.23*	
		For Class 55 Rating, Add	*1,028.25*	
		For Class 56 Rating, Add	*1,363.74*	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,574.12	546.79
		For Class 52 Rating, Deduct	*-522.02*	
		For Class 54 Rating, Add	*721.79*	
		For Class 55 Rating, Add	*1,078.16*	
		For Class 56 Rating, Add	*1,429.79*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,802.03	549.80
		For Class 52 Rating, Deduct	*-546.59*	
		For Class 54 Rating, Add	*755.35*	
		For Class 55 Rating, Add	*1,128.08*	
		For Class 56 Rating, Add	*1,495.85*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,029.93	552.79
		For Class 52 Rating, Deduct	*-571.16*	
		For Class 54 Rating, Add	*788.90*	
		For Class 55 Rating, Add	*1,178.00*	
		For Class 56 Rating, Add	*1,561.90*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,257.84	555.80
		For Class 52 Rating, Deduct	*-595.73*	
		For Class 54 Rating, Add	*822.46*	
		For Class 55 Rating, Add	*1,227.92*	
		For Class 56 Rating, Add	*1,627.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,485.75	558.80
		For Class 52 Rating, Deduct	*-620.30*	
		For Class 54 Rating, Add	*856.02*	
		For Class 55 Rating, Add	*1,277.83*	
		For Class 56 Rating, Add	*1,694.01*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,713.66	561.82
		For Class 52 Rating, Deduct	*-644.87*	
		For Class 54 Rating, Add	*889.58*	
		For Class 55 Rating, Add	*1,327.75*	
		For Class 56 Rating, Add	*1,760.06*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,941.56	564.81
		For Class 52 Rating, Deduct	*-669.44*	
		For Class 54 Rating, Add	*923.14*	
		For Class 55 Rating, Add	*1,377.67*	
		For Class 56 Rating, Add	*1,826.11*	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,169.46	567.82
		For Class 52 Rating, Deduct	*-694.00*	
		For Class 54 Rating, Add	*956.69*	
		For Class 55 Rating, Add	*1,427.58*	
		For Class 56 Rating, Add	*1,892.17*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,397.37	570.82
		For Class 52 Rating, Deduct	*-718.57*	
		For Class 54 Rating, Add	*990.25*	
		For Class 55 Rating, Add	*1,477.50*	
		For Class 56 Rating, Add	*1,958.22*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,625.27	573.83
		For Class 52 Rating, Deduct	*-743.14*	
		For Class 54 Rating, Add	*1,023.81*	
		For Class 55 Rating, Add	*1,527.42*	
		For Class 56 Rating, Add	*2,024.27*	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,853.18	576.82
		For Class 52 Rating, Deduct	*-767.71*	
		For Class 54 Rating, Add	*1,057.37*	
		For Class 55 Rating, Add	*1,577.34*	
		For Class 56 Rating, Add	*2,090.33*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,081.08	579.84
		For Class 52 Rating, Deduct	*-792.28*	
		For Class 54 Rating, Add	*1,090.92*	
		For Class 55 Rating, Add	*1,627.25*	
		For Class 56 Rating, Add	*2,156.38*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,308.99	582.84
		For Class 52 Rating, Deduct	*-816.85*	
		For Class 54 Rating, Add	*1,124.48*	
		For Class 55 Rating, Add	*1,677.17*	
		For Class 56 Rating, Add	*2,222.43*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,536.90	585.84
		For Class 52 Rating, Deduct	*-841.42*	
		For Class 54 Rating, Add	*1,158.04*	
		For Class 55 Rating, Add	*1,727.09*	
		For Class 56 Rating, Add	*2,288.49*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,764.81	588.84
		For Class 52 Rating, Deduct	*-865.99*	
		For Class 54 Rating, Add	*1,191.60*	
		For Class 55 Rating, Add	*1,777.01*	
		For Class 56 Rating, Add	*2,354.54*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,992.71	591.85
		For Class 52 Rating, Deduct	*-890.56*	
		For Class 54 Rating, Add	*1,225.16*	
		For Class 55 Rating, Add	*1,826.92*	
		For Class 56 Rating, Add	*2,420.59*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,220.61	594.87
		For Class 52 Rating, Deduct	*-915.13*	
		For Class 54 Rating, Add	*1,258.71*	
		For Class 55 Rating, Add	*1,876.84*	
		For Class 56 Rating, Add	*2,486.65*	
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,448.53	597.86
		For Class 52 Rating, Deduct	*-939.69*	
		For Class 54 Rating, Add	*1,292.27*	
		For Class 55 Rating, Add	*1,926.76*	
		For Class 56 Rating, Add	*2,552.70*	
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,676.43	600.87
		For Class 52 Rating, Deduct	*-964.26*	
		For Class 54 Rating, Add	*1,325.83*	
		For Class 55 Rating, Add	*1,976.67*	
		For Class 56 Rating, Add	*2,618.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,904.34	603.87
		For Class 52 Rating, Deduct	*-988.83*	
		For Class 54 Rating, Add	*1,359.39*	
		For Class 55 Rating, Add	*2,026.59*	
		For Class 56 Rating, Add	*2,684.81*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,132.24	606.87
		For Class 52 Rating, Deduct	*-1,013.40*	
		For Class 54 Rating, Add	*1,392.95*	
		For Class 55 Rating, Add	*2,076.51*	
		For Class 56 Rating, Add	*2,750.86*	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,360.16	609.87
		For Class 52 Rating, Deduct	*-1,037.97*	
		For Class 54 Rating, Add	*1,426.50*	
		For Class 55 Rating, Add	*2,126.43*	
		For Class 56 Rating, Add	*2,816.92*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,588.06	612.89
		For Class 52 Rating, Deduct	*-1,062.54*	
		For Class 54 Rating, Add	*1,460.06*	
		For Class 55 Rating, Add	*2,176.34*	
		For Class 56 Rating, Add	*2,882.97*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,815.96	615.89
		For Class 52 Rating, Deduct	*-1,087.11*	
		For Class 54 Rating, Add	*1,493.62*	
		For Class 55 Rating, Add	*2,226.26*	
		For Class 56 Rating, Add	*2,949.02*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,788.80	576.82
		For Class 52 Rating, Deduct	*-210.63*	
		For Class 54 Rating, Add	*297.71*	
		For Class 55 Rating, Add	*447.98*	
		For Class 56 Rating, Add	*596.34*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,054.35	579.84
		For Class 52 Rating, Deduct	*-239.34*	
		For Class 54 Rating, Add	*336.92*	
		For Class 55 Rating, Add	*506.29*	
		For Class 56 Rating, Add	*673.49*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,319.90	582.84
		For Class 52 Rating, Deduct	*-268.05*	
		For Class 54 Rating, Add	*376.12*	
		For Class 55 Rating, Add	*564.60*	
		For Class 56 Rating, Add	*750.65*	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,585.46	585.84
		For Class 52 Rating, Deduct	*-296.76*	
		For Class 54 Rating, Add	*415.32*	
		For Class 55 Rating, Add	*622.92*	
		For Class 56 Rating, Add	*827.81*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,851.01	588.84
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*454.53*	
		For Class 55 Rating, Add	*681.23*	
		For Class 56 Rating, Add	*904.97*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,116.56	591.85
		For Class 52 Rating, Deduct	*-354.18*	
		For Class 54 Rating, Add	*493.73*	
		For Class 55 Rating, Add	*739.54*	
		For Class 56 Rating, Add	*982.13*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,382.11	594.87
		For Class 52 Rating, Deduct	*-382.89*	
		For Class 54 Rating, Add	*532.94*	
		For Class 55 Rating, Add	*797.85*	
		For Class 56 Rating, Add	*1,059.29*	
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,647.66	597.86
		For Class 52 Rating, Deduct	*-411.60*	
		For Class 54 Rating, Add	*572.14*	
		For Class 55 Rating, Add	*856.16*	
		For Class 56 Rating, Add	*1,136.44*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,913.21	600.87
		For Class 52 Rating, Deduct	*-440.31*	
		For Class 54 Rating, Add	*611.35*	
		For Class 55 Rating, Add	*914.48*	
		For Class 56 Rating, Add	*1,213.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,178.76	603.87
		For Class 52 Rating, Deduct	*-469.02*	
		For Class 54 Rating, Add	*650.55*	
		For Class 55 Rating, Add	*972.79*	
		For Class 56 Rating, Add	*1,290.76*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,444.31	606.87
		For Class 52 Rating, Deduct	*-497.73*	
		For Class 54 Rating, Add	*689.76*	
		For Class 55 Rating, Add	*1,031.10*	
		For Class 56 Rating, Add	*1,367.92*	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,709.87	609.87
		For Class 52 Rating, Deduct	*-526.44*	
		For Class 54 Rating, Add	*728.96*	
		For Class 55 Rating, Add	*1,089.41*	
		For Class 56 Rating, Add	*1,445.08*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,975.42	612.89
		For Class 52 Rating, Deduct	*-555.15*	
		For Class 54 Rating, Add	*768.16*	
		For Class 55 Rating, Add	*1,147.73*	
		For Class 56 Rating, Add	*1,522.24*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,240.96	615.89
		For Class 52 Rating, Deduct	*-583.86*	
		For Class 54 Rating, Add	*807.37*	
		For Class 55 Rating, Add	*1,206.04*	
		For Class 56 Rating, Add	*1,599.39*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,506.51	618.89
		For Class 52 Rating, Deduct	*-612.57*	
		For Class 54 Rating, Add	*846.57*	
		For Class 55 Rating, Add	*1,264.35*	
		For Class 56 Rating, Add	*1,676.55*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,772.07	621.89
		For Class 52 Rating, Deduct	*-641.28*	
		For Class 54 Rating, Add	*885.78*	
		For Class 55 Rating, Add	*1,322.66*	
		For Class 56 Rating, Add	*1,753.71*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,037.62	624.90
		For Class 52 Rating, Deduct	*-669.99*	
		For Class 54 Rating, Add	*924.98*	
		For Class 55 Rating, Add	*1,380.97*	
		For Class 56 Rating, Add	*1,830.87*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,303.17	627.89
		For Class 52 Rating, Deduct	*-698.70*	
		For Class 54 Rating, Add	*964.19*	
		For Class 55 Rating, Add	*1,439.28*	
		For Class 56 Rating, Add	*1,908.03*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,568.72	630.90
		For Class 52 Rating, Deduct	*-727.41*	
		For Class 54 Rating, Add	*1,003.39*	
		For Class 55 Rating, Add	*1,497.60*	
		For Class 56 Rating, Add	*1,985.19*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,834.27	633.92
		For Class 52 Rating, Deduct	*-756.12*	
		For Class 54 Rating, Add	*1,042.59*	
		For Class 55 Rating, Add	*1,555.91*	
		For Class 56 Rating, Add	*2,062.35*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,099.82	636.92
		For Class 52 Rating, Deduct	*-784.83*	
		For Class 54 Rating, Add	*1,081.80*	
		For Class 55 Rating, Add	*1,614.22*	
		For Class 56 Rating, Add	*2,139.50*	
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,365.37	639.92
		For Class 52 Rating, Deduct	*-813.54*	
		For Class 54 Rating, Add	*1,121.00*	
		For Class 55 Rating, Add	*1,672.53*	
		For Class 56 Rating, Add	*2,216.66*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,630.92	642.92
		For Class 52 Rating, Deduct	*-842.25*	
		For Class 54 Rating, Add	*1,160.21*	
		For Class 55 Rating, Add	*1,730.84*	
		For Class 56 Rating, Add	*2,293.82*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,896.48	645.93
		For Class 52 Rating, Deduct	*-870.96*	
		For Class 54 Rating, Add	*1,199.41*	
		For Class 55 Rating, Add	*1,789.16*	
		For Class 56 Rating, Add	*2,370.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,162.02	648.94
		For Class 52 Rating, Deduct	*-899.67*	
		For Class 54 Rating, Add	*1,238.62*	
		For Class 55 Rating, Add	*1,847.47*	
		For Class 56 Rating, Add	*2,448.14*	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,427.56	651.94
		For Class 52 Rating, Deduct	*-928.38*	
		For Class 54 Rating, Add	*1,277.82*	
		For Class 55 Rating, Add	*1,905.78*	
		For Class 56 Rating, Add	*2,525.30*	
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,693.11	654.94
		For Class 52 Rating, Deduct	*-957.09*	
		For Class 54 Rating, Add	*1,317.02*	
		For Class 55 Rating, Add	*1,964.09*	
		For Class 56 Rating, Add	*2,602.45*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,958.66	657.95
		For Class 52 Rating, Deduct	*-985.80*	
		For Class 54 Rating, Add	*1,356.23*	
		For Class 55 Rating, Add	*2,022.40*	
		For Class 56 Rating, Add	*2,679.61*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,224.22	660.94
		For Class 52 Rating, Deduct	*-1,014.51*	
		For Class 54 Rating, Add	*1,395.43*	
		For Class 55 Rating, Add	*2,080.71*	
		For Class 56 Rating, Add	*2,756.77*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,489.77	663.95
		For Class 52 Rating, Deduct	*-1,043.22*	
		For Class 54 Rating, Add	*1,434.64*	
		For Class 55 Rating, Add	*2,139.03*	
		For Class 56 Rating, Add	*2,833.93*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,755.32	666.97
		For Class 52 Rating, Deduct	*-1,071.93*	
		For Class 54 Rating, Add	*1,473.84*	
		For Class 55 Rating, Add	*2,197.34*	
		For Class 56 Rating, Add	*2,911.09*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,020.87	669.97
		For Class 52 Rating, Deduct	*-1,100.64*	
		For Class 54 Rating, Add	*1,513.05*	
		For Class 55 Rating, Add	*2,255.65*	
		For Class 56 Rating, Add	*2,988.25*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,286.42	672.97
		For Class 52 Rating, Deduct	*-1,129.34*	
		For Class 54 Rating, Add	*1,552.25*	
		For Class 55 Rating, Add	*2,313.96*	
		For Class 56 Rating, Add	*3,065.40*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,551.97	675.97
		For Class 52 Rating, Deduct	*-1,158.05*	
		For Class 54 Rating, Add	*1,591.46*	
		For Class 55 Rating, Add	*2,372.27*	
		For Class 56 Rating, Add	*3,142.56*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,817.52	678.98
		For Class 52 Rating, Deduct	*-1,186.76*	
		For Class 54 Rating, Add	*1,630.66*	
		For Class 55 Rating, Add	*2,430.59*	
		For Class 56 Rating, Add	*3,219.72*	
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,083.07	681.97
		For Class 52 Rating, Deduct	*-1,215.47*	
		For Class 54 Rating, Add	*1,669.87*	
		For Class 55 Rating, Add	*2,488.90*	
		For Class 56 Rating, Add	*3,296.88*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,348.63	684.99
		For Class 52 Rating, Deduct	*-1,244.18*	
		For Class 54 Rating, Add	*1,709.07*	
		For Class 55 Rating, Add	*2,547.21*	
		For Class 56 Rating, Add	*3,374.04*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,614.18	687.99
		For Class 52 Rating, Deduct	*-1,272.89*	
		For Class 54 Rating, Add	*1,748.27*	
		For Class 55 Rating, Add	*2,605.52*	
		For Class 56 Rating, Add	*3,451.20*	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,231.14	650.14
		For Class 52 Rating, Deduct	*-247.07*	
		For Class 54 Rating, Add	*348.73*	
		For Class 55 Rating, Add	*524.52*	
		For Class 56 Rating, Add	*698.06*	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,536.84	653.14
		For Class 52 Rating, Deduct	*-280.20*	
		For Class 54 Rating, Add	*393.96*	
		For Class 55 Rating, Add	*591.78*	
		For Class 56 Rating, Add	*787.06*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,842.56	656.14
		For Class 52 Rating, Deduct	*-313.32*	
		For Class 54 Rating, Add	*439.19*	
		For Class 55 Rating, Add	*659.05*	
		For Class 56 Rating, Add	*876.07*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,148.26	659.15
		For Class 52 Rating, Deduct	*-346.45*	
		For Class 54 Rating, Add	*484.42*	
		For Class 55 Rating, Add	*726.32*	
		For Class 56 Rating, Add	*965.07*	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,453.96	662.16
		For Class 52 Rating, Deduct	*-379.58*	
		For Class 54 Rating, Add	*529.64*	
		For Class 55 Rating, Add	*793.58*	
		For Class 56 Rating, Add	*1,054.07*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,759.66	665.15
		For Class 52 Rating, Deduct	*-412.70*	
		For Class 54 Rating, Add	*574.87*	
		For Class 55 Rating, Add	*860.85*	
		For Class 56 Rating, Add	*1,143.08*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,065.37	668.16
		For Class 52 Rating, Deduct	*-445.83*	
		For Class 54 Rating, Add	*620.10*	
		For Class 55 Rating, Add	*928.12*	
		For Class 56 Rating, Add	*1,232.08*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,371.08	671.16
		For Class 52 Rating, Deduct	*-478.96*	
		For Class 54 Rating, Add	*665.33*	
		For Class 55 Rating, Add	*995.38*	
		For Class 56 Rating, Add	*1,321.09*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,676.78	674.18
		For Class 52 Rating, Deduct	*-512.08*	
		For Class 54 Rating, Add	*710.55*	
		For Class 55 Rating, Add	*1,062.65*	
		For Class 56 Rating, Add	*1,410.09*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,982.48	677.17
		For Class 52 Rating, Deduct	*-545.21*	
		For Class 54 Rating, Add	*755.78*	
		For Class 55 Rating, Add	*1,129.92*	
		For Class 56 Rating, Add	*1,499.09*	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,288.18	680.18
		For Class 52 Rating, Deduct	*-578.34*	
		For Class 54 Rating, Add	*801.01*	
		For Class 55 Rating, Add	*1,197.18*	
		For Class 56 Rating, Add	*1,588.10*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,593.89	683.19
		For Class 52 Rating, Deduct	*-611.46*	
		For Class 54 Rating, Add	*846.24*	
		For Class 55 Rating, Add	*1,264.45*	
		For Class 56 Rating, Add	*1,677.10*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,899.60	686.18
		For Class 52 Rating, Deduct	*-644.59*	
		For Class 54 Rating, Add	*891.46*	
		For Class 55 Rating, Add	*1,331.71*	
		For Class 56 Rating, Add	*1,766.10*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,205.30	689.19
		For Class 52 Rating, Deduct	*-677.72*	
		For Class 54 Rating, Add	*936.69*	
		For Class 55 Rating, Add	*1,398.98*	
		For Class 56 Rating, Add	*1,855.11*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,511.00	692.19
		For Class 52 Rating, Deduct	*-710.84*	
		For Class 54 Rating, Add	*981.92*	
		For Class 55 Rating, Add	*1,466.25*	
		For Class 56 Rating, Add	*1,944.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,816.71	695.21
		For Class 52 Rating, Deduct	*-743.97*	
		For Class 54 Rating, Add	*1,027.15*	
		For Class 55 Rating, Add	*1,533.51*	
		For Class 56 Rating, Add	*2,033.11*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,122.41	698.20
		For Class 52 Rating, Deduct	*-777.10*	
		For Class 54 Rating, Add	*1,072.37*	
		For Class 55 Rating, Add	*1,600.78*	
		For Class 56 Rating, Add	*2,122.12*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,428.12	701.21
		For Class 52 Rating, Deduct	*-810.22*	
		For Class 54 Rating, Add	*1,117.60*	
		For Class 55 Rating, Add	*1,668.05*	
		For Class 56 Rating, Add	*2,211.12*	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,733.82	704.21
		For Class 52 Rating, Deduct	*-843.35*	
		For Class 54 Rating, Add	*1,162.83*	
		For Class 55 Rating, Add	*1,735.31*	
		For Class 56 Rating, Add	*2,300.13*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,039.53	707.21
		For Class 52 Rating, Deduct	*-876.48*	
		For Class 54 Rating, Add	*1,208.06*	
		For Class 55 Rating, Add	*1,802.58*	
		For Class 56 Rating, Add	*2,389.13*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,345.23	710.21
		For Class 52 Rating, Deduct	*-909.60*	
		For Class 54 Rating, Add	*1,253.28*	
		For Class 55 Rating, Add	*1,869.84*	
		For Class 56 Rating, Add	*2,478.13*	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,650.93	713.23
		For Class 52 Rating, Deduct	*-942.73*	
		For Class 54 Rating, Add	*1,298.51*	
		For Class 55 Rating, Add	*1,937.11*	
		For Class 56 Rating, Add	*2,567.14*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,956.64	716.24
		For Class 52 Rating, Deduct	*-975.86*	
		For Class 54 Rating, Add	*1,343.74*	
		For Class 55 Rating, Add	*2,004.38*	
		For Class 56 Rating, Add	*2,656.14*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,262.35	719.23
		For Class 52 Rating, Deduct	*-1,008.98*	
		For Class 54 Rating, Add	*1,388.97*	
		For Class 55 Rating, Add	*2,071.64*	
		For Class 56 Rating, Add	*2,745.15*	
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,568.05	722.24
		For Class 52 Rating, Deduct	*-1,042.11*	
		For Class 54 Rating, Add	*1,434.19*	
		For Class 55 Rating, Add	*2,138.91*	
		For Class 56 Rating, Add	*2,834.15*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,873.75	725.24
		For Class 52 Rating, Deduct	*-1,075.24*	
		For Class 54 Rating, Add	*1,479.42*	
		For Class 55 Rating, Add	*2,206.17*	
		For Class 56 Rating, Add	*2,923.15*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,179.44	728.26
		For Class 52 Rating, Deduct	*-1,108.36*	
		For Class 54 Rating, Add	*1,524.65*	
		For Class 55 Rating, Add	*2,273.44*	
		For Class 56 Rating, Add	*3,012.15*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,485.16	731.25
		For Class 52 Rating, Deduct	*-1,141.49*	
		For Class 54 Rating, Add	*1,569.88*	
		For Class 55 Rating, Add	*2,340.71*	
		For Class 56 Rating, Add	*3,101.16*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,790.86	734.26
		For Class 52 Rating, Deduct	*-1,174.62*	
		For Class 54 Rating, Add	*1,615.10*	
		For Class 55 Rating, Add	*2,407.97*	
		For Class 56 Rating, Add	*3,190.16*	
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,096.56	737.26
		For Class 52 Rating, Deduct	*-1,207.75*	
		For Class 54 Rating, Add	*1,660.33*	
		For Class 55 Rating, Add	*2,475.24*	
		For Class 56 Rating, Add	*3,279.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,402.26	740.26
		For Class 52 Rating, Deduct	*-1,240.87*	
		For Class 54 Rating, Add	*1,705.56*	
		For Class 55 Rating, Add	*2,542.50*	
		For Class 56 Rating, Add	*3,368.17*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,707.97	743.26
		For Class 52 Rating, Deduct	*-1,274.00*	
		For Class 54 Rating, Add	*1,750.78*	
		For Class 55 Rating, Add	*2,609.77*	
		For Class 56 Rating, Add	*3,457.17*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,013.68	746.28
		For Class 52 Rating, Deduct	*-1,307.13*	
		For Class 54 Rating, Add	*1,796.01*	
		For Class 55 Rating, Add	*2,677.04*	
		For Class 56 Rating, Add	*3,546.18*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,319.38	749.28
		For Class 52 Rating, Deduct	*-1,340.25*	
		For Class 54 Rating, Add	*1,841.24*	
		For Class 55 Rating, Add	*2,744.30*	
		For Class 56 Rating, Add	*3,635.18*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,625.08	752.28
		For Class 52 Rating, Deduct	*-1,373.38*	
		For Class 54 Rating, Add	*1,886.47*	
		For Class 55 Rating, Add	*2,811.57*	
		For Class 56 Rating, Add	*3,724.19*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,930.78	755.28
		For Class 52 Rating, Deduct	*-1,406.51*	
		For Class 54 Rating, Add	*1,931.69*	
		For Class 55 Rating, Add	*2,878.83*	
		For Class 56 Rating, Add	*3,813.19*	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,236.49	758.29
		For Class 52 Rating, Deduct	*-1,439.63*	
		For Class 54 Rating, Add	*1,976.92*	
		For Class 55 Rating, Add	*2,946.10*	
		For Class 56 Rating, Add	*3,902.19*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,542.20	761.29
		For Class 52 Rating, Deduct	*-1,472.76*	
		For Class 54 Rating, Add	*2,022.15*	
		For Class 55 Rating, Add	*3,013.37*	
		For Class 56 Rating, Add	*3,991.20*	

40 05 19 00-1346 20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,769.46	742.07
		For Class 52 Rating, Deduct	*-290.96*	
		For Class 54 Rating, Add	*410.26*	
		For Class 55 Rating, Add	*616.85*	
		For Class 56 Rating, Add	*820.79*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,120.33	745.08
		For Class 52 Rating, Deduct	*-329.06*	
		For Class 54 Rating, Add	*462.26*	
		For Class 55 Rating, Add	*694.18*	
		For Class 56 Rating, Add	*923.11*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,471.22	748.07
		For Class 52 Rating, Deduct	*-367.15*	
		For Class 54 Rating, Add	*514.27*	
		For Class 55 Rating, Add	*771.53*	
		For Class 56 Rating, Add	*1,025.45*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,822.09	751.08
		For Class 52 Rating, Deduct	*-405.25*	
		For Class 54 Rating, Add	*566.27*	
		For Class 55 Rating, Add	*848.86*	
		For Class 56 Rating, Add	*1,127.77*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,172.97	754.09
		For Class 52 Rating, Deduct	*-443.35*	
		For Class 54 Rating, Add	*618.27*	
		For Class 55 Rating, Add	*926.20*	
		For Class 56 Rating, Add	*1,230.11*	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,523.84	757.09
		For Class 52 Rating, Deduct	*-481.44*	
		For Class 54 Rating, Add	*670.28*	
		For Class 55 Rating, Add	*1,003.54*	
		For Class 56 Rating, Add	*1,332.43*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,874.73	760.09
		For Class 52 Rating, Deduct	*-519.54*	
		For Class 54 Rating, Add	*722.28*	
		For Class 55 Rating, Add	*1,080.88*	
		For Class 56 Rating, Add	*1,434.77*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,225.60	763.10
		For Class 52 Rating, Deduct	*-557.63*	
		For Class 54 Rating, Add	*774.28*	
		For Class 55 Rating, Add	*1,158.22*	
		For Class 56 Rating, Add	*1,537.09*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,576.48	766.10
		For Class 52 Rating, Deduct	*-595.73*	
		For Class 54 Rating, Add	*826.29*	
		For Class 55 Rating, Add	*1,235.56*	
		For Class 56 Rating, Add	*1,639.42*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,927.35	769.10
		For Class 52 Rating, Deduct	*-633.82*	
		For Class 54 Rating, Add	*878.29*	
		For Class 55 Rating, Add	*1,312.90*	
		For Class 56 Rating, Add	*1,741.75*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,278.24	772.11
		For Class 52 Rating, Deduct	*-671.92*	
		For Class 54 Rating, Add	*930.29*	
		For Class 55 Rating, Add	*1,390.24*	
		For Class 56 Rating, Add	*1,844.08*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,629.11	775.12
		For Class 52 Rating, Deduct	*-710.02*	
		For Class 54 Rating, Add	*982.30*	
		For Class 55 Rating, Add	*1,467.58*	
		For Class 56 Rating, Add	*1,946.41*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,979.99	778.11
		For Class 52 Rating, Deduct	*-748.11*	
		For Class 54 Rating, Add	*1,034.30*	
		For Class 55 Rating, Add	*1,544.92*	
		For Class 56 Rating, Add	*2,048.74*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,330.86	781.12
		For Class 52 Rating, Deduct	*-786.21*	
		For Class 54 Rating, Add	*1,086.30*	
		For Class 55 Rating, Add	*1,622.26*	
		For Class 56 Rating, Add	*2,151.07*	
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,681.75	784.12
		For Class 52 Rating, Deduct	*-824.30*	
		For Class 54 Rating, Add	*1,138.31*	
		For Class 55 Rating, Add	*1,699.60*	
		For Class 56 Rating, Add	*2,253.40*	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,032.62	787.14
		For Class 52 Rating, Deduct	*-862.40*	
		For Class 54 Rating, Add	*1,190.31*	
		For Class 55 Rating, Add	*1,776.94*	
		For Class 56 Rating, Add	*2,355.73*	
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,383.50	790.14
		For Class 52 Rating, Deduct	*-900.50*	
		For Class 54 Rating, Add	*1,242.31*	
		For Class 55 Rating, Add	*1,854.28*	
		For Class 56 Rating, Add	*2,458.06*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,734.37	793.14
		For Class 52 Rating, Deduct	*-938.59*	
		For Class 54 Rating, Add	*1,294.32*	
		For Class 55 Rating, Add	*1,931.62*	
		For Class 56 Rating, Add	*2,560.39*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,085.25	796.15
		For Class 52 Rating, Deduct	*-976.69*	
		For Class 54 Rating, Add	*1,346.32*	
		For Class 55 Rating, Add	*2,008.96*	
		For Class 56 Rating, Add	*2,662.72*	
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,436.12	799.15
		For Class 52 Rating, Deduct	*-1,014.78*	
		For Class 54 Rating, Add	*1,398.32*	
		For Class 55 Rating, Add	*2,086.30*	
		For Class 56 Rating, Add	*2,765.05*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,786.99	802.15
		For Class 52 Rating, Deduct	*-1,052.88*	
		For Class 54 Rating, Add	*1,450.33*	
		For Class 55 Rating, Add	*2,163.64*	
		For Class 56 Rating, Add	*2,867.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,137.87	805.16
		For Class 52 Rating, Deduct	*-1,090.97*	
		For Class 54 Rating, Add	*1,502.33*	
		For Class 55 Rating, Add	*2,240.98*	
		For Class 56 Rating, Add	*2,969.71*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,488.74	808.17
		For Class 52 Rating, Deduct	*-1,129.07*	
		For Class 54 Rating, Add	*1,554.33*	
		For Class 55 Rating, Add	*2,318.32*	
		For Class 56 Rating, Add	*3,072.04*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,839.63	811.16
		For Class 52 Rating, Deduct	*-1,167.16*	
		For Class 54 Rating, Add	*1,606.34*	
		For Class 55 Rating, Add	*2,395.66*	
		For Class 56 Rating, Add	*3,174.37*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,190.50	814.17
		For Class 52 Rating, Deduct	*-1,205.26*	
		For Class 54 Rating, Add	*1,658.34*	
		For Class 55 Rating, Add	*2,473.00*	
		For Class 56 Rating, Add	*3,276.70*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,541.38	817.17
		For Class 52 Rating, Deduct	*-1,243.36*	
		For Class 54 Rating, Add	*1,710.34*	
		For Class 55 Rating, Add	*2,550.34*	
		For Class 56 Rating, Add	*3,379.03*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,892.25	820.19
		For Class 52 Rating, Deduct	*-1,281.45*	
		For Class 54 Rating, Add	*1,762.35*	
		For Class 55 Rating, Add	*2,627.68*	
		For Class 56 Rating, Add	*3,481.36*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,243.14	823.18
		For Class 52 Rating, Deduct	*-1,319.55*	
		For Class 54 Rating, Add	*1,814.35*	
		For Class 55 Rating, Add	*2,705.02*	
		For Class 56 Rating, Add	*3,583.69*	
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,594.01	826.19
		For Class 52 Rating, Deduct	*-1,357.64*	
		For Class 54 Rating, Add	*1,866.35*	
		For Class 55 Rating, Add	*2,782.36*	
		For Class 56 Rating, Add	*3,686.02*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,944.89	829.20
		For Class 52 Rating, Deduct	*-1,395.74*	
		For Class 54 Rating, Add	*1,918.36*	
		For Class 55 Rating, Add	*2,859.70*	
		For Class 56 Rating, Add	*3,788.35*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,295.76	832.19
		For Class 52 Rating, Deduct	*-1,433.83*	
		For Class 54 Rating, Add	*1,970.36*	
		For Class 55 Rating, Add	*2,937.04*	
		For Class 56 Rating, Add	*3,890.68*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,646.65	835.20
		For Class 52 Rating, Deduct	*-1,471.93*	
		For Class 54 Rating, Add	*2,022.36*	
		For Class 55 Rating, Add	*3,014.38*	
		For Class 56 Rating, Add	*3,993.01*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,997.52	838.21
		For Class 52 Rating, Deduct	*-1,510.03*	
		For Class 54 Rating, Add	*2,074.37*	
		For Class 55 Rating, Add	*3,091.71*	
		For Class 56 Rating, Add	*4,095.34*	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,348.40	841.22
		For Class 52 Rating, Deduct	*-1,548.12*	
		For Class 54 Rating, Add	*2,126.37*	
		For Class 55 Rating, Add	*3,169.06*	
		For Class 56 Rating, Add	*4,197.67*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,699.27	844.21
		For Class 52 Rating, Deduct	*-1,586.22*	
		For Class 54 Rating, Add	*2,178.37*	
		For Class 55 Rating, Add	*3,246.39*	
		For Class 56 Rating, Add	*4,300.00*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,050.16	847.22
		For Class 52 Rating, Deduct	*-1,624.31*	
		For Class 54 Rating, Add	*2,230.38*	
		For Class 55 Rating, Add	*3,323.74*	
		For Class 56 Rating, Add	*4,402.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,401.03	850.22
		For Class 52 Rating, Deduct	*-1,662.41*	
		For Class 54 Rating, Add	*2,282.38*	
		For Class 55 Rating, Add	*3,401.07*	
		For Class 56 Rating, Add	*4,504.65*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,751.91	853.22
		For Class 52 Rating, Deduct	*-1,700.51*	
		For Class 54 Rating, Add	*2,334.38*	
		For Class 55 Rating, Add	*3,478.41*	
		For Class 56 Rating, Add	*4,606.99*	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,631.81	877.26
		For Class 52 Rating, Deduct	*-363.29*	
		For Class 54 Rating, Add	*511.34*	
		For Class 55 Rating, Add	*768.39*	
		For Class 56 Rating, Add	*1,022.13*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,065.51	880.27
		For Class 52 Rating, Deduct	*-410.50*	
		For Class 54 Rating, Add	*575.77*	
		For Class 55 Rating, Add	*864.20*	
		For Class 56 Rating, Add	*1,148.89*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,499.20	883.27
		For Class 52 Rating, Deduct	*-457.70*	
		For Class 54 Rating, Add	*640.20*	
		For Class 55 Rating, Add	*960.00*	
		For Class 56 Rating, Add	*1,275.65*	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,932.90	886.27
		For Class 52 Rating, Deduct	*-504.91*	
		For Class 54 Rating, Add	*704.62*	
		For Class 55 Rating, Add	*1,055.81*	
		For Class 56 Rating, Add	*1,402.41*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,366.59	889.27
		For Class 52 Rating, Deduct	*-552.11*	
		For Class 54 Rating, Add	*769.05*	
		For Class 55 Rating, Add	*1,151.62*	
		For Class 56 Rating, Add	*1,529.17*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,800.28	892.29
		For Class 52 Rating, Deduct	*-599.32*	
		For Class 54 Rating, Add	*833.47*	
		For Class 55 Rating, Add	*1,247.43*	
		For Class 56 Rating, Add	*1,655.93*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,233.97	895.29
		For Class 52 Rating, Deduct	*-646.52*	
		For Class 54 Rating, Add	*897.90*	
		For Class 55 Rating, Add	*1,343.23*	
		For Class 56 Rating, Add	*1,782.69*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,667.67	898.29
		For Class 52 Rating, Deduct	*-693.73*	
		For Class 54 Rating, Add	*962.33*	
		For Class 55 Rating, Add	*1,439.04*	
		For Class 56 Rating, Add	*1,909.45*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,101.37	901.29
		For Class 52 Rating, Deduct	*-740.93*	
		For Class 54 Rating, Add	*1,026.75*	
		For Class 55 Rating, Add	*1,534.85*	
		For Class 56 Rating, Add	*2,036.21*	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,535.06	904.30
		For Class 52 Rating, Deduct	*-788.14*	
		For Class 54 Rating, Add	*1,091.18*	
		For Class 55 Rating, Add	*1,630.66*	
		For Class 56 Rating, Add	*2,162.97*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,968.75	907.29
		For Class 52 Rating, Deduct	*-835.35*	
		For Class 54 Rating, Add	*1,155.60*	
		For Class 55 Rating, Add	*1,726.47*	
		For Class 56 Rating, Add	*2,289.73*	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,402.45	910.31
		For Class 52 Rating, Deduct	*-882.55*	
		For Class 54 Rating, Add	*1,220.03*	
		For Class 55 Rating, Add	*1,822.27*	
		For Class 56 Rating, Add	*2,416.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,836.14	913.32
		For Class 52 Rating, Deduct	*-929.76*	
		For Class 54 Rating, Add	*1,284.46*	
		For Class 55 Rating, Add	*1,918.08*	
		For Class 56 Rating, Add	*2,543.25*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,269.83	916.32
		For Class 52 Rating, Deduct	*-976.96*	
		For Class 54 Rating, Add	*1,348.88*	
		For Class 55 Rating, Add	*2,013.89*	
		For Class 56 Rating, Add	*2,670.01*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,703.53	919.32
		For Class 52 Rating, Deduct	*-1,024.17*	
		For Class 54 Rating, Add	*1,413.31*	
		For Class 55 Rating, Add	*2,109.70*	
		For Class 56 Rating, Add	*2,796.78*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,137.23	922.32
		For Class 52 Rating, Deduct	*-1,071.37*	
		For Class 54 Rating, Add	*1,477.73*	
		For Class 55 Rating, Add	*2,205.51*	
		For Class 56 Rating, Add	*2,923.54*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,570.92	925.34
		For Class 52 Rating, Deduct	*-1,118.58*	
		For Class 54 Rating, Add	*1,542.16*	
		For Class 55 Rating, Add	*2,301.31*	
		For Class 56 Rating, Add	*3,050.30*	
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,004.61	928.33
		For Class 52 Rating, Deduct	*-1,165.78*	
		For Class 54 Rating, Add	*1,606.58*	
		For Class 55 Rating, Add	*2,397.12*	
		For Class 56 Rating, Add	*3,177.06*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,438.30	931.34
		For Class 52 Rating, Deduct	*-1,212.99*	
		For Class 54 Rating, Add	*1,671.01*	
		For Class 55 Rating, Add	*2,492.93*	
		For Class 56 Rating, Add	*3,303.82*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,872.00	934.34
		For Class 52 Rating, Deduct	*-1,260.20*	
		For Class 54 Rating, Add	*1,735.44*	
		For Class 55 Rating, Add	*2,588.74*	
		For Class 56 Rating, Add	*3,430.58*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,305.70	937.35
		For Class 52 Rating, Deduct	*-1,307.40*	
		For Class 54 Rating, Add	*1,799.86*	
		For Class 55 Rating, Add	*2,684.55*	
		For Class 56 Rating, Add	*3,557.34*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,739.39	940.34
		For Class 52 Rating, Deduct	*-1,354.61*	
		For Class 54 Rating, Add	*1,864.29*	
		For Class 55 Rating, Add	*2,780.35*	
		For Class 56 Rating, Add	*3,684.10*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,173.08	943.36
		For Class 52 Rating, Deduct	*-1,401.81*	
		For Class 54 Rating, Add	*1,928.71*	
		For Class 55 Rating, Add	*2,876.16*	
		For Class 56 Rating, Add	*3,810.86*	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,606.77	946.37
		For Class 52 Rating, Deduct	*-1,449.02*	
		For Class 54 Rating, Add	*1,993.14*	
		For Class 55 Rating, Add	*2,971.97*	
		For Class 56 Rating, Add	*3,937.62*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,040.47	949.37
		For Class 52 Rating, Deduct	*-1,496.22*	
		For Class 54 Rating, Add	*2,057.57*	
		For Class 55 Rating, Add	*3,067.78*	
		For Class 56 Rating, Add	*4,064.38*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,474.15	952.37
		For Class 52 Rating, Deduct	*-1,543.43*	
		For Class 54 Rating, Add	*2,121.99*	
		For Class 55 Rating, Add	*3,163.58*	
		For Class 56 Rating, Add	*4,191.14*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,907.85	955.37
		For Class 52 Rating, Deduct	*-1,590.64*	
		For Class 54 Rating, Add	*2,186.42*	
		For Class 55 Rating, Add	*3,259.39*	
		For Class 56 Rating, Add	*4,317.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,341.54	958.39
		For Class 52 Rating, Deduct	*-1,637.84*	
		For Class 54 Rating, Add	*2,250.84*	
		For Class 55 Rating, Add	*3,355.20*	
		For Class 56 Rating, Add	*4,444.67*	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,775.24	961.38
		For Class 52 Rating, Deduct	*-1,685.05*	
		For Class 54 Rating, Add	*2,315.27*	
		For Class 55 Rating, Add	*3,451.01*	
		For Class 56 Rating, Add	*4,571.43*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,286.32	1,015.46
		For Class 52 Rating, Deduct	*-1,732.25*	
		For Class 54 Rating, Add	*2,380.62*	
		For Class 55 Rating, Add	*3,548.67*	
		For Class 56 Rating, Add	*4,700.97*	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,720.01	1,018.46
		For Class 52 Rating, Deduct	*-1,779.46*	
		For Class 54 Rating, Add	*2,445.05*	
		For Class 55 Rating, Add	*3,644.48*	
		For Class 56 Rating, Add	*4,827.73*	
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,153.70	1,021.47
		For Class 52 Rating, Deduct	*-1,826.66*	
		For Class 54 Rating, Add	*2,509.48*	
		For Class 55 Rating, Add	*3,740.29*	
		For Class 56 Rating, Add	*4,954.49*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,587.40	1,024.48
		For Class 52 Rating, Deduct	*-1,873.87*	
		For Class 54 Rating, Add	*2,573.90*	
		For Class 55 Rating, Add	*3,836.09*	
		For Class 56 Rating, Add	*5,081.25*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,021.09	1,027.47
		For Class 52 Rating, Deduct	*-1,921.07*	
		For Class 54 Rating, Add	*2,638.33*	
		For Class 55 Rating, Add	*3,931.90*	
		For Class 56 Rating, Add	*5,208.02*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,454.78	1,030.49
		For Class 52 Rating, Deduct	*-1,968.28*	
		For Class 54 Rating, Add	*2,702.75*	
		For Class 55 Rating, Add	*4,027.71*	
		For Class 56 Rating, Add	*5,334.78*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,888.47	1,033.49
		For Class 52 Rating, Deduct	*-2,015.48*	
		For Class 54 Rating, Add	*2,767.18*	
		For Class 55 Rating, Add	*4,123.52*	
		For Class 56 Rating, Add	*5,461.54*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,322.17	1,036.49
		For Class 52 Rating, Deduct	*-2,062.69*	
		For Class 54 Rating, Add	*2,831.60*	
		For Class 55 Rating, Add	*4,219.33*	
		For Class 56 Rating, Add	*5,588.30*	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,755.86	1,039.49
		For Class 52 Rating, Deduct	*-2,109.90*	
		For Class 54 Rating, Add	*2,896.03*	
		For Class 55 Rating, Add	*4,315.13*	
		For Class 56 Rating, Add	*5,715.06*	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,095.40	1,237.79
		For Class 52 Rating, Deduct	*-574.20*	
		For Class 54 Rating, Add	*805.50*	
		For Class 55 Rating, Add	*1,209.06*	
		For Class 56 Rating, Add	*1,607.41*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,719.82	1,240.78
		For Class 52 Rating, Deduct	*-642.38*	
		For Class 54 Rating, Add	*898.54*	
		For Class 55 Rating, Add	*1,347.40*	
		For Class 56 Rating, Add	*1,790.43*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,344.24	1,243.79
		For Class 52 Rating, Deduct	*-710.57*	
		For Class 54 Rating, Add	*991.57*	
		For Class 55 Rating, Add	*1,485.74*	
		For Class 56 Rating, Add	*1,973.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,968.66	1,246.79
		For Class 52 Rating, Deduct	*-778.75*	
		For Class 54 Rating, Add	*1,084.61*	
		For Class 55 Rating, Add	*1,624.08*	
		For Class 56 Rating, Add	*2,156.48*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,593.09	1,249.80
		For Class 52 Rating, Deduct	*-846.94*	
		For Class 54 Rating, Add	*1,177.64*	
		For Class 55 Rating, Add	*1,762.42*	
		For Class 56 Rating, Add	*2,339.51*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,217.51	1,252.79
		For Class 52 Rating, Deduct	*-915.13*	
		For Class 54 Rating, Add	*1,270.68*	
		For Class 55 Rating, Add	*1,900.76*	
		For Class 56 Rating, Add	*2,522.53*	
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,841.93	1,255.81
		For Class 52 Rating, Deduct	*-983.31*	
		For Class 54 Rating, Add	*1,363.71*	
		For Class 55 Rating, Add	*2,039.11*	
		For Class 56 Rating, Add	*2,705.56*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,466.35	1,258.82
		For Class 52 Rating, Deduct	*-1,051.50*	
		For Class 54 Rating, Add	*1,456.75*	
		For Class 55 Rating, Add	*2,177.45*	
		For Class 56 Rating, Add	*2,888.59*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,090.78	1,261.81
		For Class 52 Rating, Deduct	*-1,119.68*	
		For Class 54 Rating, Add	*1,549.78*	
		For Class 55 Rating, Add	*2,315.79*	
		For Class 56 Rating, Add	*3,071.61*	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,715.20	1,264.82
		For Class 52 Rating, Deduct	*-1,187.87*	
		For Class 54 Rating, Add	*1,642.82*	
		For Class 55 Rating, Add	*2,454.13*	
		For Class 56 Rating, Add	*3,254.64*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,339.62	1,267.82
		For Class 52 Rating, Deduct	*-1,256.05*	
		For Class 54 Rating, Add	*1,735.85*	
		For Class 55 Rating, Add	*2,592.47*	
		For Class 56 Rating, Add	*3,437.66*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,964.04	1,270.84
		For Class 52 Rating, Deduct	*-1,324.24*	
		For Class 54 Rating, Add	*1,828.89*	
		For Class 55 Rating, Add	*2,730.81*	
		For Class 56 Rating, Add	*3,620.69*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,588.47	1,273.83
		For Class 52 Rating, Deduct	*-1,392.43*	
		For Class 54 Rating, Add	*1,921.92*	
		For Class 55 Rating, Add	*2,869.15*	
		For Class 56 Rating, Add	*3,803.72*	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,212.89	1,276.84
		For Class 52 Rating, Deduct	*-1,460.61*	
		For Class 54 Rating, Add	*2,014.96*	
		For Class 55 Rating, Add	*3,007.49*	
		For Class 56 Rating, Add	*3,986.74*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,837.31	1,279.84
		For Class 52 Rating, Deduct	*-1,528.80*	
		For Class 54 Rating, Add	*2,107.99*	
		For Class 55 Rating, Add	*3,145.83*	
		For Class 56 Rating, Add	*4,169.77*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,461.74	1,282.84
		For Class 52 Rating, Deduct	*-1,596.98*	
		For Class 54 Rating, Add	*2,201.03*	
		For Class 55 Rating, Add	*3,284.17*	
		For Class 56 Rating, Add	*4,352.80*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,086.17	1,285.84
		For Class 52 Rating, Deduct	*-1,665.17*	
		For Class 54 Rating, Add	*2,294.07*	
		For Class 55 Rating, Add	*3,422.51*	
		For Class 56 Rating, Add	*4,535.82*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,710.59	1,288.86
		For Class 52 Rating, Deduct	*-1,733.36*	
		For Class 54 Rating, Add	*2,387.10*	
		For Class 55 Rating, Add	*3,560.85*	
		For Class 56 Rating, Add	*4,718.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,335.01	1,291.86
		For Class 52 Rating, Deduct	*-1,801.54*	
		For Class 54 Rating, Add	*2,480.14*	
		For Class 55 Rating, Add	*3,699.19*	
		For Class 56 Rating, Add	*4,901.87*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,959.43	1,294.86
		For Class 52 Rating, Deduct	*-1,869.73*	
		For Class 54 Rating, Add	*2,573.17*	
		For Class 55 Rating, Add	*3,837.53*	
		For Class 56 Rating, Add	*5,084.90*	
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,583.86	1,297.86
		For Class 52 Rating, Deduct	*-1,937.91*	
		For Class 54 Rating, Add	*2,666.21*	
		For Class 55 Rating, Add	*3,975.87*	
		For Class 56 Rating, Add	*5,267.92*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,208.28	1,300.87
		For Class 52 Rating, Deduct	*-2,006.10*	
		For Class 54 Rating, Add	*2,759.24*	
		For Class 55 Rating, Add	*4,114.21*	
		For Class 56 Rating, Add	*5,450.95*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,832.70	1,303.87
		For Class 52 Rating, Deduct	*-2,074.28*	
		For Class 54 Rating, Add	*2,852.28*	
		For Class 55 Rating, Add	*4,252.55*	
		For Class 56 Rating, Add	*5,633.97*	
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,457.13	1,306.88
		For Class 52 Rating, Deduct	*-2,142.47*	
		For Class 54 Rating, Add	*2,945.31*	
		For Class 55 Rating, Add	*4,390.90*	
		For Class 56 Rating, Add	*5,817.00*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,081.55	1,309.89
		For Class 52 Rating, Deduct	*-2,210.66*	
		For Class 54 Rating, Add	*3,038.35*	
		For Class 55 Rating, Add	*4,529.24*	
		For Class 56 Rating, Add	*6,000.03*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,705.98	1,312.89
		For Class 52 Rating, Deduct	*-2,278.84*	
		For Class 54 Rating, Add	*3,131.38*	
		For Class 55 Rating, Add	*4,667.58*	
		For Class 56 Rating, Add	*6,183.05*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,330.40	1,315.89
		For Class 52 Rating, Deduct	*-2,347.03*	
		For Class 54 Rating, Add	*3,224.42*	
		For Class 55 Rating, Add	*4,805.92*	
		For Class 56 Rating, Add	*6,366.08*	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,954.82	1,318.89
		For Class 52 Rating, Deduct	*-2,415.21*	
		For Class 54 Rating, Add	*3,317.45*	
		For Class 55 Rating, Add	*4,944.26*	
		For Class 56 Rating, Add	*6,549.10*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,579.24	1,321.91
		For Class 52 Rating, Deduct	*-2,483.40*	
		For Class 54 Rating, Add	*3,410.49*	
		For Class 55 Rating, Add	*5,082.60*	
		For Class 56 Rating, Add	*6,732.13*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,203.67	1,324.91
		For Class 52 Rating, Deduct	*-2,551.59*	
		For Class 54 Rating, Add	*3,503.52*	
		For Class 55 Rating, Add	*5,220.94*	
		For Class 56 Rating, Add	*6,915.16*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,828.09	1,327.91
		For Class 52 Rating, Deduct	*-2,619.77*	
		For Class 54 Rating, Add	*3,596.56*	
		For Class 55 Rating, Add	*5,359.28*	
		For Class 56 Rating, Add	*7,098.18*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,452.51	1,330.91
		For Class 52 Rating, Deduct	*-2,687.96*	
		For Class 54 Rating, Add	*3,689.60*	
		For Class 55 Rating, Add	*5,497.62*	
		For Class 56 Rating, Add	*7,281.21*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,076.93	1,333.92
		For Class 52 Rating, Deduct	*-2,756.14*	
		For Class 54 Rating, Add	*3,782.63*	
		For Class 55 Rating, Add	*5,635.96*	
		For Class 56 Rating, Add	*7,464.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,701.36	1,336.91
		For Class 52 Rating, Deduct	*-2,824.33*	
		For Class 54 Rating, Add	*3,875.67*	
		For Class 55 Rating, Add	*5,774.30*	
		For Class 56 Rating, Add	*7,647.26*	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,325.78	1,339.93
		For Class 52 Rating, Deduct	*-2,892.51*	
		For Class 54 Rating, Add	*3,968.70*	
		For Class 55 Rating, Add	*5,912.64*	
		For Class 56 Rating, Add	*7,830.29*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,950.20	1,342.94
		For Class 52 Rating, Deduct	*-2,960.70*	
		For Class 54 Rating, Add	*4,061.74*	
		For Class 55 Rating, Add	*6,050.98*	
		For Class 56 Rating, Add	*8,013.31*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,574.62	1,345.94
		For Class 52 Rating, Deduct	*-3,028.89*	
		For Class 54 Rating, Add	*4,154.77*	
		For Class 55 Rating, Add	*6,189.32*	
		For Class 56 Rating, Add	*8,196.34*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,199.05	1,348.94
		For Class 52 Rating, Deduct	*-3,097.07*	
		For Class 54 Rating, Add	*4,247.81*	
		For Class 55 Rating, Add	*6,327.66*	
		For Class 56 Rating, Add	*8,379.36*	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,809.58	1,568.26
		For Class 52 Rating, Deduct	*-817.68*	
		For Class 54 Rating, Add	*1,143.53*	
		For Class 55 Rating, Add	*1,714.68*	
		For Class 56 Rating, Add	*2,278.41*	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,657.35	1,571.27
		For Class 52 Rating, Deduct	*-910.43*	
		For Class 54 Rating, Add	*1,270.07*	
		For Class 55 Rating, Add	*1,902.83*	
		For Class 56 Rating, Add	*2,527.32*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,505.14	1,574.26
		For Class 52 Rating, Deduct	*-1,003.19*	
		For Class 54 Rating, Add	*1,396.61*	
		For Class 55 Rating, Add	*2,090.98*	
		For Class 56 Rating, Add	*2,776.24*	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,352.91	1,577.27
		For Class 52 Rating, Deduct	*-1,095.94*	
		For Class 54 Rating, Add	*1,523.14*	
		For Class 55 Rating, Add	*2,279.13*	
		For Class 56 Rating, Add	*3,025.15*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,200.69	1,580.28
		For Class 52 Rating, Deduct	*-1,188.70*	
		For Class 54 Rating, Add	*1,649.68*	
		For Class 55 Rating, Add	*2,467.28*	
		For Class 56 Rating, Add	*3,274.07*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,048.46	1,583.28
		For Class 52 Rating, Deduct	*-1,281.45*	
		For Class 54 Rating, Add	*1,776.22*	
		For Class 55 Rating, Add	*2,655.43*	
		For Class 56 Rating, Add	*3,522.98*	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,896.25	1,586.28
		For Class 52 Rating, Deduct	*-1,374.21*	
		For Class 54 Rating, Add	*1,902.76*	
		For Class 55 Rating, Add	*2,843.58*	
		For Class 56 Rating, Add	*3,771.90*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,744.02	1,589.29
		For Class 52 Rating, Deduct	*-1,466.96*	
		For Class 54 Rating, Add	*2,029.30*	
		For Class 55 Rating, Add	*3,031.72*	
		For Class 56 Rating, Add	*4,020.81*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,591.80	1,592.29
		For Class 52 Rating, Deduct	*-1,559.72*	
		For Class 54 Rating, Add	*2,155.84*	
		For Class 55 Rating, Add	*3,219.87*	
		For Class 56 Rating, Add	*4,269.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,439.58	1,595.29
		For Class 52 Rating, Deduct	*-1,652.47*	
		For Class 54 Rating, Add	*2,282.38*	
		For Class 55 Rating, Add	*3,408.02*	
		For Class 56 Rating, Add	*4,518.64*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,287.36	1,598.30
		For Class 52 Rating, Deduct	*-1,745.23*	
		For Class 54 Rating, Add	*2,408.91*	
		For Class 55 Rating, Add	*3,596.17*	
		For Class 56 Rating, Add	*4,767.56*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,135.14	1,601.31
		For Class 52 Rating, Deduct	*-1,837.98*	
		For Class 54 Rating, Add	*2,535.45*	
		For Class 55 Rating, Add	*3,784.32*	
		For Class 56 Rating, Add	*5,016.48*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,982.91	1,604.30
		For Class 52 Rating, Deduct	*-1,930.74*	
		For Class 54 Rating, Add	*2,661.99*	
		For Class 55 Rating, Add	*3,972.47*	
		For Class 56 Rating, Add	*5,265.39*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,830.69	1,607.31
		For Class 52 Rating, Deduct	*-2,023.49*	
		For Class 54 Rating, Add	*2,788.53*	
		For Class 55 Rating, Add	*4,160.62*	
		For Class 56 Rating, Add	*5,514.31*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,678.46	1,610.31
		For Class 52 Rating, Deduct	*-2,116.24*	
		For Class 54 Rating, Add	*2,915.07*	
		For Class 55 Rating, Add	*4,348.76*	
		For Class 56 Rating, Add	*5,763.22*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,526.25	1,613.32
		For Class 52 Rating, Deduct	*-2,209.00*	
		For Class 54 Rating, Add	*3,041.61*	
		For Class 55 Rating, Add	*4,536.91*	
		For Class 56 Rating, Add	*6,012.14*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,374.02	1,616.32
		For Class 52 Rating, Deduct	*-2,301.75*	
		For Class 54 Rating, Add	*3,168.14*	
		For Class 55 Rating, Add	*4,725.06*	
		For Class 56 Rating, Add	*6,261.05*	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,221.80	1,619.33
		For Class 52 Rating, Deduct	*-2,394.51*	
		For Class 54 Rating, Add	*3,294.68*	
		For Class 55 Rating, Add	*4,913.21*	
		For Class 56 Rating, Add	*6,509.97*	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,069.58	1,622.34
		For Class 52 Rating, Deduct	*-2,487.27*	
		For Class 54 Rating, Add	*3,421.22*	
		For Class 55 Rating, Add	*5,101.36*	
		For Class 56 Rating, Add	*6,758.88*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,917.36	1,625.34
		For Class 52 Rating, Deduct	*-2,580.02*	
		For Class 54 Rating, Add	*3,547.76*	
		For Class 55 Rating, Add	*5,289.51*	
		For Class 56 Rating, Add	*7,007.80*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,765.14	1,628.34
		For Class 52 Rating, Deduct	*-2,672.77*	
		For Class 54 Rating, Add	*3,674.30*	
		For Class 55 Rating, Add	*5,477.66*	
		For Class 56 Rating, Add	*7,256.71*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,612.91	1,631.34
		For Class 52 Rating, Deduct	*-2,765.53*	
		For Class 54 Rating, Add	*3,800.84*	
		For Class 55 Rating, Add	*5,665.80*	
		For Class 56 Rating, Add	*7,505.63*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,460.69	1,634.36
		For Class 52 Rating, Deduct	*-2,858.28*	
		For Class 54 Rating, Add	*3,927.38*	
		For Class 55 Rating, Add	*5,853.95*	
		For Class 56 Rating, Add	*7,754.54*	
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,308.46	1,637.35
		For Class 52 Rating, Deduct	*-2,951.04*	
		For Class 54 Rating, Add	*4,053.91*	
		For Class 55 Rating, Add	*6,042.10*	
		For Class 56 Rating, Add	*8,003.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,156.24	1,640.36
		For Class 52 Rating, Deduct	*-3,043.79*	
		For Class 54 Rating, Add	*4,180.45*	
		For Class 55 Rating, Add	*6,230.25*	
		For Class 56 Rating, Add	*8,252.37*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,004.02	1,643.36
		For Class 52 Rating, Deduct	*-3,136.55*	
		For Class 54 Rating, Add	*4,306.99*	
		For Class 55 Rating, Add	*6,418.40*	
		For Class 56 Rating, Add	*8,501.29*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,851.79	1,646.37
		For Class 52 Rating, Deduct	*-3,229.30*	
		For Class 54 Rating, Add	*4,433.53*	
		For Class 55 Rating, Add	*6,606.55*	
		For Class 56 Rating, Add	*8,750.21*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,699.58	1,649.36
		For Class 52 Rating, Deduct	*-3,322.06*	
		For Class 54 Rating, Add	*4,560.07*	
		For Class 55 Rating, Add	*6,794.70*	
		For Class 56 Rating, Add	*8,999.12*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,547.35	1,652.38
		For Class 52 Rating, Deduct	*-3,414.81*	
		For Class 54 Rating, Add	*4,686.61*	
		For Class 55 Rating, Add	*6,982.84*	
		For Class 56 Rating, Add	*9,248.04*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,395.13	1,655.39
		For Class 52 Rating, Deduct	*-3,507.57*	
		For Class 54 Rating, Add	*4,813.14*	
		For Class 55 Rating, Add	*7,170.99*	
		For Class 56 Rating, Add	*9,496.95*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,242.90	1,658.38
		For Class 52 Rating, Deduct	*-3,600.32*	
		For Class 54 Rating, Add	*4,939.68*	
		For Class 55 Rating, Add	*7,359.14*	
		For Class 56 Rating, Add	*9,745.87*	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,090.69	1,661.39
		For Class 52 Rating, Deduct	*-3,693.08*	
		For Class 54 Rating, Add	*5,066.22*	
		For Class 55 Rating, Add	*7,547.29*	
		For Class 56 Rating, Add	*9,994.78*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,938.46	1,664.39
		For Class 52 Rating, Deduct	*-3,785.83*	
		For Class 54 Rating, Add	*5,192.76*	
		For Class 55 Rating, Add	*7,735.44*	
		For Class 56 Rating, Add	*10,243.70*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,786.24	1,667.41
		For Class 52 Rating, Deduct	*-3,878.59*	
		For Class 54 Rating, Add	*5,319.30*	
		For Class 55 Rating, Add	*7,923.59*	
		For Class 56 Rating, Add	*10,492.61*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,634.02	1,670.40
		For Class 52 Rating, Deduct	*-3,971.34*	
		For Class 54 Rating, Add	*5,445.84*	
		For Class 55 Rating, Add	*8,111.74*	
		For Class 56 Rating, Add	*10,741.53*	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,481.80	1,673.41
		For Class 52 Rating, Deduct	*-4,064.10*	
		For Class 54 Rating, Add	*5,572.38*	
		For Class 55 Rating, Add	*8,299.88*	
		For Class 56 Rating, Add	*10,990.44*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,329.58	1,676.41
		For Class 52 Rating, Deduct	*-4,156.85*	
		For Class 54 Rating, Add	*5,698.91*	
		For Class 55 Rating, Add	*8,488.03*	
		For Class 56 Rating, Add	*11,239.36*	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,177.35	1,679.41
		For Class 52 Rating, Deduct	*-4,249.61*	
		For Class 54 Rating, Add	*5,825.45*	
		For Class 55 Rating, Add	*8,676.18*	
		For Class 56 Rating, Add	*11,488.27*	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,960.84	1,976.84
		For Class 52 Rating, Deduct	*-1,096.22*	
		For Class 54 Rating, Add	*1,530.79*	
		For Class 55 Rating, Add	*2,294.22*	
		For Class 56 Rating, Add	*3,047.69*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,225.21	1,979.85
		For Class 52 Rating, Deduct	*-1,234.80*	
		For Class 54 Rating, Add	*1,719.81*	
		For Class 55 Rating, Add	*2,575.27*	
		For Class 56 Rating, Add	*3,419.50*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,474.52	1,982.85
		For Class 52 Rating, Deduct	*-1,371.72*	
		For Class 54 Rating, Add	*1,906.58*	
		For Class 55 Rating, Add	*2,852.96*	
		For Class 56 Rating, Add	*3,786.86*	
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,736.38	1,985.86
		For Class 52 Rating, Deduct	*-1,510.03*	
		For Class 54 Rating, Add	*2,095.23*	
		For Class 55 Rating, Add	*3,133.45*	
		For Class 56 Rating, Add	*4,157.93*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,985.70	1,988.86
		For Class 52 Rating, Deduct	*-1,646.95*	
		For Class 54 Rating, Add	*2,282.00*	
		For Class 55 Rating, Add	*3,411.14*	
		For Class 56 Rating, Add	*4,525.30*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,250.07	1,991.86
		For Class 52 Rating, Deduct	*-1,785.53*	
		For Class 54 Rating, Add	*2,471.03*	
		For Class 55 Rating, Add	*3,692.19*	
		For Class 56 Rating, Add	*4,897.11*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,496.87	1,994.86
		For Class 52 Rating, Deduct	*-1,922.18*	
		For Class 54 Rating, Add	*2,657.42*	
		For Class 55 Rating, Add	*3,969.32*	
		For Class 56 Rating, Add	*5,263.74*	
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,761.24	1,997.88
		For Class 52 Rating, Deduct	*-2,060.76*	
		For Class 54 Rating, Add	*2,846.45*	
		For Class 55 Rating, Add	*4,250.37*	
		For Class 56 Rating, Add	*5,635.55*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,010.57	2,000.88
		For Class 52 Rating, Deduct	*-2,197.68*	
		For Class 54 Rating, Add	*3,033.22*	
		For Class 55 Rating, Add	*4,528.06*	
		For Class 56 Rating, Add	*6,002.92*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,272.43	2,003.88
		For Class 52 Rating, Deduct	*-2,335.99*	
		For Class 54 Rating, Add	*3,221.87*	
		For Class 55 Rating, Add	*4,808.55*	
		For Class 56 Rating, Add	*6,373.99*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,521.74	2,006.89
		For Class 52 Rating, Deduct	*-2,472.91*	
		For Class 54 Rating, Add	*3,408.64*	
		For Class 55 Rating, Add	*5,086.24*	
		For Class 56 Rating, Add	*6,741.36*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,783.60	2,009.89
		For Class 52 Rating, Deduct	*-2,611.21*	
		For Class 54 Rating, Add	*3,597.29*	
		For Class 55 Rating, Add	*5,366.73*	
		For Class 56 Rating, Add	*7,112.43*	
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,032.92	2,012.89
		For Class 52 Rating, Deduct	*-2,748.14*	
		For Class 54 Rating, Add	*3,784.06*	
		For Class 55 Rating, Add	*5,644.42*	
		For Class 56 Rating, Add	*7,479.80*	
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,284.73	2,015.90
		For Class 52 Rating, Deduct	*-2,885.34*	
		For Class 54 Rating, Add	*3,971.20*	
		For Class 55 Rating, Add	*5,922.67*	
		For Class 56 Rating, Add	*7,847.91*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,544.08	2,018.91
		For Class 52 Rating, Deduct	*-3,023.37*	
		For Class 54 Rating, Add	*4,159.48*	
		For Class 55 Rating, Add	*6,202.60*	
		For Class 56 Rating, Add	*8,218.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,793.39	2,021.91
		For Class 52 Rating, Deduct	*-3,160.29*	
		For Class 54 Rating, Add	*4,346.25*	
		For Class 55 Rating, Add	*6,480.29*	
		For Class 56 Rating, Add	*8,585.61*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,057.77	2,024.91
		For Class 52 Rating, Deduct	*-3,298.87*	
		For Class 54 Rating, Add	*4,535.27*	
		For Class 55 Rating, Add	*6,761.34*	
		For Class 56 Rating, Add	*8,957.42*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,307.08	2,027.91
		For Class 52 Rating, Deduct	*-3,435.79*	
		For Class 54 Rating, Add	*4,722.04*	
		For Class 55 Rating, Add	*7,039.03*	
		For Class 56 Rating, Add	*9,324.79*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,568.94	2,030.93
		For Class 52 Rating, Deduct	*-3,574.10*	
		For Class 54 Rating, Add	*4,910.69*	
		For Class 55 Rating, Add	*7,319.52*	
		For Class 56 Rating, Add	*9,695.86*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,818.25	2,033.92
		For Class 52 Rating, Deduct	*-3,711.02*	
		For Class 54 Rating, Add	*5,097.46*	
		For Class 55 Rating, Add	*7,597.21*	
		For Class 56 Rating, Add	*10,063.22*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,082.63	2,036.93
		For Class 52 Rating, Deduct	*-3,849.60*	
		For Class 54 Rating, Add	*5,286.49*	
		For Class 55 Rating, Add	*7,878.26*	
		For Class 56 Rating, Add	*10,435.03*	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,331.94	2,039.93
		For Class 52 Rating, Deduct	*-3,986.52*	
		For Class 54 Rating, Add	*5,473.26*	
		For Class 55 Rating, Add	*8,155.95*	
		For Class 56 Rating, Add	*10,802.40*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,593.80	2,042.94
		For Class 52 Rating, Deduct	*-4,124.83*	
		For Class 54 Rating, Add	*5,661.91*	
		For Class 55 Rating, Add	*8,436.44*	
		For Class 56 Rating, Add	*11,173.47*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,843.11	2,045.93
		For Class 52 Rating, Deduct	*-4,261.75*	
		For Class 54 Rating, Add	*5,848.68*	
		For Class 55 Rating, Add	*8,714.13*	
		For Class 56 Rating, Add	*11,540.84*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,107.48	2,048.95
		For Class 52 Rating, Deduct	*-4,400.33*	
		For Class 54 Rating, Add	*6,037.71*	
		For Class 55 Rating, Add	*8,995.18*	
		For Class 56 Rating, Add	*11,912.65*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,356.81	2,051.96
		For Class 52 Rating, Deduct	*-4,537.26*	
		For Class 54 Rating, Add	*6,224.48*	
		For Class 55 Rating, Add	*9,272.87*	
		For Class 56 Rating, Add	*12,280.02*	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,616.16	2,054.95
		For Class 52 Rating, Deduct	*-4,675.28*	
		For Class 54 Rating, Add	*6,412.75*	
		For Class 55 Rating, Add	*9,552.80*	
		For Class 56 Rating, Add	*12,650.35*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,867.98	2,057.96
		For Class 52 Rating, Deduct	*-4,812.48*	
		For Class 54 Rating, Add	*6,599.90*	
		For Class 55 Rating, Add	*9,831.05*	
		For Class 56 Rating, Add	*13,018.46*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,866.33	2,060.96
		For Class 52 Rating, Deduct	*-4,921.80*	
		For Class 54 Rating, Add	*6,749.02*	
		For Class 55 Rating, Add	*10,052.78*	
		For Class 56 Rating, Add	*13,311.80*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,379.16	2,063.98
		For Class 52 Rating, Deduct	*-5,087.71*	
		For Class 54 Rating, Add	*6,975.32*	
		For Class 55 Rating, Add	*10,389.23*	
		For Class 56 Rating, Add	*13,756.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,628.47	2,066.97
		For Class 52 Rating, Deduct	*-5,224.64*	
		For Class 54 Rating, Add	*7,162.08*	
		For Class 55 Rating, Add	*10,666.92*	
		For Class 56 Rating, Add	*14,124.27*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,890.33	2,069.98
		For Class 52 Rating, Deduct	*-5,362.94*	
		For Class 54 Rating, Add	*7,350.74*	
		For Class 55 Rating, Add	*10,947.41*	
		For Class 56 Rating, Add	*14,495.34*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,139.64	2,072.98
		For Class 52 Rating, Deduct	*-5,499.86*	
		For Class 54 Rating, Add	*7,537.50*	
		For Class 55 Rating, Add	*11,225.10*	
		For Class 56 Rating, Add	*14,862.71*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,404.02	2,075.99
		For Class 52 Rating, Deduct	*-5,638.44*	
		For Class 54 Rating, Add	*7,726.53*	
		For Class 55 Rating, Add	*11,506.15*	
		For Class 56 Rating, Add	*15,234.52*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,650.82	2,078.98
		For Class 52 Rating, Deduct	*-5,775.09*	
		For Class 54 Rating, Add	*7,912.92*	
		For Class 55 Rating, Add	*11,783.28*	
		For Class 56 Rating, Add	*15,601.14*	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,915.19	2,082.00
		For Class 52 Rating, Deduct	*-5,913.67*	
		For Class 54 Rating, Add	*8,101.95*	
		For Class 55 Rating, Add	*12,064.33*	
		For Class 56 Rating, Add	*15,972.96*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,164.50	2,085.01
		For Class 52 Rating, Deduct	*-6,050.60*	
		For Class 54 Rating, Add	*8,288.72*	
		For Class 55 Rating, Add	*12,342.02*	
		For Class 56 Rating, Add	*16,340.32*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,426.37	2,088.00
		For Class 52 Rating, Deduct	*-6,188.90*	
		For Class 54 Rating, Add	*8,477.37*	
		For Class 55 Rating, Add	*12,622.51*	
		For Class 56 Rating, Add	*16,711.39*	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,724.07	2,484.57
		For Class 52 Rating, Deduct	*-1,425.55*	
		For Class 54 Rating, Add	*1,989.11*	
		For Class 55 Rating, Add	*2,980.33*	
		For Class 56 Rating, Add	*3,958.60*	
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,563.14	2,487.58
		For Class 52 Rating, Deduct	*-1,627.35*	
		For Class 54 Rating, Add	*2,264.34*	
		For Class 55 Rating, Add	*3,389.54*	
		For Class 56 Rating, Add	*4,499.94*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,399.71	2,490.58
		For Class 52 Rating, Deduct	*-1,828.87*	
		For Class 54 Rating, Add	*2,539.20*	
		For Class 55 Rating, Add	*3,798.19*	
		For Class 56 Rating, Add	*5,040.55*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,251.33	2,493.59
		For Class 52 Rating, Deduct	*-2,032.05*	
		For Class 54 Rating, Add	*2,816.31*	
		For Class 55 Rating, Add	*4,210.19*	
		For Class 56 Rating, Add	*5,585.60*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,090.39	2,496.58
		For Class 52 Rating, Deduct	*-2,233.84*	
		For Class 54 Rating, Add	*3,091.54*	
		For Class 55 Rating, Add	*4,619.40*	
		For Class 56 Rating, Add	*6,126.94*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,929.46	2,499.60
		For Class 52 Rating, Deduct	*-2,435.64*	
		For Class 54 Rating, Add	*3,366.78*	
		For Class 55 Rating, Add	*5,028.60*	
		For Class 56 Rating, Add	*6,668.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,778.58	2,502.60
		For Class 52 Rating, Deduct	*-2,638.54*	
		For Class 54 Rating, Add	*3,643.52*	
		For Class 55 Rating, Add	*5,440.05*	
		For Class 56 Rating, Add	*7,212.60*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,620.15	2,505.60
		For Class 52 Rating, Deduct	*-2,840.62*	
		For Class 54 Rating, Add	*3,919.12*	
		For Class 55 Rating, Add	*5,849.82*	
		For Class 56 Rating, Add	*7,754.68*	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,456.71	2,508.60
		For Class 52 Rating, Deduct	*-3,042.14*	
		For Class 54 Rating, Add	*4,193.98*	
		For Class 55 Rating, Add	*6,258.46*	
		For Class 56 Rating, Add	*8,295.29*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,308.33	2,511.61
		For Class 52 Rating, Deduct	*-3,245.31*	
		For Class 54 Rating, Add	*4,471.09*	
		For Class 55 Rating, Add	*6,670.47*	
		For Class 56 Rating, Add	*8,840.34*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,147.41	2,514.63
		For Class 52 Rating, Deduct	*-3,447.11*	
		For Class 54 Rating, Add	*4,746.33*	
		For Class 55 Rating, Add	*7,079.68*	
		For Class 56 Rating, Add	*9,381.69*	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,999.02	2,517.62
		For Class 52 Rating, Deduct	*-3,650.29*	
		For Class 54 Rating, Add	*5,023.44*	
		For Class 55 Rating, Add	*7,491.68*	
		For Class 56 Rating, Add	*9,926.73*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,835.58	2,520.63
		For Class 52 Rating, Deduct	*-3,851.81*	
		For Class 54 Rating, Add	*5,298.30*	
		For Class 55 Rating, Add	*7,900.33*	
		For Class 56 Rating, Add	*10,467.34*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,674.65	2,523.63
		For Class 52 Rating, Deduct	*-4,053.61*	
		For Class 54 Rating, Add	*5,573.53*	
		For Class 55 Rating, Add	*8,309.53*	
		For Class 56 Rating, Add	*11,008.69*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,526.27	2,526.64
		For Class 52 Rating, Deduct	*-4,256.78*	
		For Class 54 Rating, Add	*5,850.64*	
		For Class 55 Rating, Add	*8,721.54*	
		For Class 56 Rating, Add	*11,553.74*	
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,365.34	2,529.63
		For Class 52 Rating, Deduct	*-4,458.58*	
		For Class 54 Rating, Add	*6,125.88*	
		For Class 55 Rating, Add	*9,130.75*	
		For Class 56 Rating, Add	*12,095.08*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,201.90	2,532.65
		For Class 52 Rating, Deduct	*-4,660.10*	
		For Class 54 Rating, Add	*6,400.73*	
		For Class 55 Rating, Add	*9,539.39*	
		For Class 56 Rating, Add	*12,635.69*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,053.51	2,535.65
		For Class 52 Rating, Deduct	*-4,863.28*	
		For Class 54 Rating, Add	*6,677.85*	
		For Class 55 Rating, Add	*9,951.40*	
		For Class 56 Rating, Add	*13,180.74*	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,892.59	2,538.65
		For Class 52 Rating, Deduct	*-5,065.08*	
		For Class 54 Rating, Add	*6,953.08*	
		For Class 55 Rating, Add	*10,360.60*	
		For Class 56 Rating, Add	*13,722.08*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,729.15	2,541.65
		For Class 52 Rating, Deduct	*-5,266.60*	
		For Class 54 Rating, Add	*7,227.93*	
		For Class 55 Rating, Add	*10,769.25*	
		For Class 56 Rating, Add	*14,262.69*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,580.76	2,544.66
		For Class 52 Rating, Deduct	*-5,469.77*	
		For Class 54 Rating, Add	*7,505.05*	
		For Class 55 Rating, Add	*11,181.26*	
		For Class 56 Rating, Add	*14,807.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,422.33	2,547.67
		For Class 52 Rating, Deduct	*-5,671.85*	
		For Class 54 Rating, Add	*7,780.66*	
		For Class 55 Rating, Add	*11,591.02*	
		For Class 56 Rating, Add	*15,349.82*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,258.89	2,550.67
		For Class 52 Rating, Deduct	*-5,873.37*	
		For Class 54 Rating, Add	*8,055.51*	
		For Class 55 Rating, Add	*11,999.67*	
		For Class 56 Rating, Add	*15,890.43*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,110.52	2,553.67
		For Class 52 Rating, Deduct	*-6,076.55*	
		For Class 54 Rating, Add	*8,332.63*	
		For Class 55 Rating, Add	*12,411.68*	
		For Class 56 Rating, Add	*16,435.48*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,949.58	2,556.68
		For Class 52 Rating, Deduct	*-6,278.34*	
		For Class 54 Rating, Add	*8,607.86*	
		For Class 55 Rating, Add	*12,820.88*	
		For Class 56 Rating, Add	*16,976.82*	
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,786.14	2,559.67
		For Class 52 Rating, Deduct	*-6,479.86*	
		For Class 54 Rating, Add	*8,882.72*	
		For Class 55 Rating, Add	*13,229.53*	
		For Class 56 Rating, Add	*17,517.43*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,637.76	2,562.68
		For Class 52 Rating, Deduct	*-6,683.04*	
		For Class 54 Rating, Add	*9,159.83*	
		For Class 55 Rating, Add	*13,641.53*	
		For Class 56 Rating, Add	*18,062.48*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,476.83	2,565.70
		For Class 52 Rating, Deduct	*-6,884.84*	
		For Class 54 Rating, Add	*9,435.06*	
		For Class 55 Rating, Add	*14,050.74*	
		For Class 56 Rating, Add	*18,603.83*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,090.04	2,568.70
		For Class 52 Rating, Deduct	*-7,061.79*	
		For Class 54 Rating, Add	*9,676.42*	
		For Class 55 Rating, Add	*14,409.58*	
		For Class 56 Rating, Add	*19,078.54*	
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,167.52	2,571.70
		For Class 52 Rating, Deduct	*-7,289.81*	
		For Class 54 Rating, Add	*9,987.41*	
		For Class 55 Rating, Add	*14,871.95*	
		For Class 56 Rating, Add	*19,690.22*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,004.08	2,574.70
		For Class 52 Rating, Deduct	*-7,491.33*	
		For Class 54 Rating, Add	*10,262.27*	
		For Class 55 Rating, Add	*15,280.60*	
		For Class 56 Rating, Add	*20,230.83*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,858.21	2,577.71
		For Class 52 Rating, Deduct	*-7,694.78*	
		For Class 54 Rating, Add	*10,539.76*	
		For Class 55 Rating, Add	*15,693.16*	
		For Class 56 Rating, Add	*20,776.62*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,694.77	2,580.70
		For Class 52 Rating, Deduct	*-7,896.31*	
		For Class 54 Rating, Add	*10,814.61*	
		For Class 55 Rating, Add	*16,101.81*	
		For Class 56 Rating, Add	*21,317.22*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,531.33	2,583.72
		For Class 52 Rating, Deduct	*-8,097.83*	
		For Class 54 Rating, Add	*11,089.47*	
		For Class 55 Rating, Add	*16,510.46*	
		For Class 56 Rating, Add	*21,857.83*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	79,385.45	2,586.72
		For Class 52 Rating, Deduct	*-8,301.28*	
		For Class 54 Rating, Add	*11,366.96*	
		For Class 55 Rating, Add	*16,923.02*	
		For Class 56 Rating, Add	*22,403.62*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	81,222.02	2,589.73
		For Class 52 Rating, Deduct	*-8,502.80*	
		For Class 54 Rating, Add	*11,641.81*	
		For Class 55 Rating, Add	*17,331.67*	
		For Class 56 Rating, Add	*22,944.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	83,061.09	2,592.72
		For Class 52 Rating, Deduct	*-8,704.60*	
		For Class 54 Rating, Add	*11,917.05*	
		For Class 55 Rating, Add	*17,740.88*	
		For Class 56 Rating, Add	*23,485.57*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,912.70	2,595.73
		For Class 52 Rating, Deduct	*-8,907.77*	
		For Class 54 Rating, Add	*12,194.16*	
		For Class 55 Rating, Add	*18,152.88*	
		For Class 56 Rating, Add	*24,030.62*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	424.47	144.95
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	597.86	185.36
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	839.99	209.95
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,231.72	266.17
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,526.86	295.16
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,906.41	320.64
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,348.51	395.31
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,084.39	474.37
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,798.59	597.35
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,795.06	676.41
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,763.03	896.02
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	13,857.57	1,014.62
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,246.73	1,159.57
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	30,961.33	1,423.10

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	402.04	144.95
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	561.97	185.36
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	748.77	209.95
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,100.13	266.17
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,359.38	295.16
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,565.47	320.64
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,971.68	395.31
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,577.46	474.37
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,336.53	597.35
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,401.38	676.41
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,743.19	896.02
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,112.88	1,014.62
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	20,045.16	1,159.57
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	27,339.57	1,423.10

40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	400.55	144.95
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	550.00	185.36
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	738.31	209.95
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,070.22	266.17
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,425.18	295.16
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,773.32	320.64
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,018.04	395.31
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,634.29	474.37
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,583.26	597.35
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,963.64	676.41
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,843.38	896.02
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	13,343.17	1,014.62
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	20,504.24	1,159.57
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	27,937.71	1,423.10

40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	437.93	144.95
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	620.29	185.36
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	768.21	209.95
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,176.39	266.17
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,621.07	295.16
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,824.17	320.64
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,230.38	395.31
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,634.29	474.37
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,583.26	597.35
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,165.51	676.41
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	8,943.57	896.02
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	13,441.86	1,014.62
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	20,608.91	1,159.57
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	28,148.56	1,423.10

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1640		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	565.75	165.15
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	699.52	177.45
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	788.46	197.66
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,056.14	205.56
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,115.16	225.77
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,219.04	238.06
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,135.59	220.49
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,279.85	240.69
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,471.94	252.99
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,568.38	281.10
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,471.94	252.99
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,631.15	265.29
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,817.29	293.40
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,011.89	308.34
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,697.50	290.33
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,831.27	302.63
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,102.65	330.74
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,295.08	345.23
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,457.94	357.97
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,986.18	329.86
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,377.16	342.16
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,448.15	370.27
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,585.27	384.77
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,804.94	397.50
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,058.89	434.84
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,563.84	391.35
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,736.51	403.65
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,393.68	431.76
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,521.82	446.26
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,885.04	458.99
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,799.55	496.33
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,044.87	535.86
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,607.68	430.88
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,781.83	443.18
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,069.67	471.29
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,277.05	485.79
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,665.71	498.53
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,028.82	535.86
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,150.02	575.39
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,417.03	569.02
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,441.22	595.60
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,856.79	608.34
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,729.83	645.66
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,986.02	685.20
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,390.62	746.69
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,973.89	786.22
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,874.29	654.89
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,495.53	667.63
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,346.43	704.96
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,205.65	744.49
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,675.25	805.98
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,729.56	845.52
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,580.80	955.33
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,702.62	740.10
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,242.49	777.44
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,837.81	816.96
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,552.66	878.45
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,320.17	917.99
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,052.59	1,027.79
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,493.62	1,087.09
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,399.46	1,060.74
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,535.22	1,170.54
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,312.92	1,229.84
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	34,927.94	1,302.31
40 05 19 00-1705		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	506.72	144.95
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	781.79	185.36
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,148.03	209.95
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,632.48	266.17
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,305.94	295.16
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,688.49	320.64
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,487.98	395.31
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,321.05	474.37
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,892.10	597.35
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,657.18	676.41
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,240.53	896.02
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	23,202.08	1,014.62
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	35,979.72	1,159.57

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1719		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-0001)*		
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	535.13	144.95
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	726.46	185.36
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,186.91	209.95
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,604.06	266.17
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,154.91	295.16
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,544.93	320.64
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,144.04	395.31
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,950.20	474.37
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,213.20	597.35
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,365.19	676.41
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,074.86	896.02
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,266.99	1,014.62
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	32,073.84	1,159.57
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	34,584.59	1,423.10
40 05 19 00-1734		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-0001)*		
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	726.55	232.79
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	900.46	286.37
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,263.56	319.75
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,813.89	415.51
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,409.44	453.29
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,225.48	487.54
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,654.74	614.92
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,456.28	702.77
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,621.04	887.24
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,275.99	979.48
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,082.89	1,352.83
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	20,296.51	1,550.48
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	41,966.93	1,792.05
40 05 19 00-1748		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-0001)*		
40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	909.87	260.02
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,125.71	265.29
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,125.45	298.67
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,483.83	293.40
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,465.62	326.78
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,545.42	347.86
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,880.30	308.34
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,875.55	341.72
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,980.76	362.80
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,359.89	430.45
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,739.33	320.64
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,680.74	354.02
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,799.42	375.10
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,957.23	442.75
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,136.05	466.02
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,322.25	357.97
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,061.80	391.35
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,012.99	412.44
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,535.68	480.07
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,431.88	503.35
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,826.36	524.88
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,062.53	397.50
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,063.37	430.88
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,688.98	451.96
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,703.23	519.61
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,030.10	542.89
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,399.16	564.40
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,707.56	654.45
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,973.75	458.99
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,502.36	492.37
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,595.62	513.45
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,790.82	581.10
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,978.62	604.38
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,042.63	625.90
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,071.79	715.94
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,206.31	764.26
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,957.70	498.53
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,146.94	531.91
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,380.76	552.99
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,595.40	620.63
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,270.68	643.91
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,425.92	665.43
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,643.09	755.47
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,727.57	803.79
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,027.91	858.92
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,569.51	641.72
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,632.85	662.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,934.23	730.43
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,969.50	753.72
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,002.12	775.24
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,237.23	865.28
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,376.24	913.59
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,725.56	1,036.58
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,005.50	1,089.28
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,580.63	918.42
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,597.35	935.12
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,702.79	983.00
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,830.09	1,001.88
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,888.94	1,019.01
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,051.23	1,082.70
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,150.68	1,126.62
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,422.02	1,218.86
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,789.48	1,264.98
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,983.08	1,451.65
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	26,064.25	794.57
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,570.79	862.20
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,606.06	885.48
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,673.06	907.01
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,879.77	997.05
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,129.42	1,045.36
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,315.76	1,168.35
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,676.75	1,221.06
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	31,265.35	1,484.59
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	40,163.02	1,622.94
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	31,912.24	1,028.23
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	31,944.85	1,049.76
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,185.96	1,139.80
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,259.16	1,188.11
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,584.57	1,311.09
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,911.16	1,363.81
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,803.93	1,627.34

40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-0001)*

40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	783.37	232.79
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,063.46	286.37
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,544.69	319.75
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,344.74	415.51
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,145.16	453.29
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,512.59	487.54
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,360.55	614.92
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,295.17	702.77
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	7,068.55	887.24
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	10,163.13	979.48
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	17,021.27	1,352.83
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	24,242.77	1,550.48

40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-0001)*

40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	639.82	232.79
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	892.99	286.37
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,285.99	319.75
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,689.77	415.51
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,401.97	453.29
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	3,111.84	487.54

40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-0001)*

40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	879.10	320.64
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,155.95	347.43
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,225.49	387.40
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,421.81	353.13
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,550.68	399.70
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,606.40	429.56
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,835.25	381.26
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,020.93	427.81
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,209.75	457.67
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,742.97	564.85
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,371.62	395.74
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,498.99	442.30
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,689.29	472.17
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,250.93	579.34
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,064.74	611.41
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,975.86	455.04
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,164.67	484.91
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,527.44	592.08
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,834.71	624.15
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,022.68	654.45
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,548.32	492.37
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,764.05	522.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,126.81	629.42
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,462.50	661.47
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,211.64	691.78
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,067.14	834.53
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,694.95	531.91
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,909.18	561.77
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,215.12	668.94
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,549.31	701.01
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,223.28	731.32
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,698.27	874.07
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,956.75	931.16
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,809.45	593.40
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,038.64	623.26
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,323.64	730.43
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,680.26	762.50
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,787.49	792.81
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,050.53	935.56
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,320.98	992.65
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,032.64	1,177.14
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,346.76	632.93
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,513.14	662.80
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,890.86	769.97
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,124.86	802.04
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,263.49	832.33
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,695.11	975.08
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,967.84	1,032.19
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,542.30	1,148.81
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,607.76	1,282.55
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,704.05	911.84
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,782.86	942.14
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,229.43	1,084.89
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,381.74	1,141.99
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,024.62	1,326.47
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,916.67	1,392.35
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,228.19	1,809.62
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,528.75	1,160.00
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,568.01	1,185.92
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,944.74	1,302.31
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,088.90	1,355.02
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,619.41	1,508.75
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,237.10	1,568.05
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,653.55	1,908.44
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	27,033.05	2,086.33
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,373.50	1,043.60
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,419.42	1,073.91
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,846.55	1,216.66
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,967.47	1,273.77
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,563.98	1,458.24
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,191.67	1,524.12
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,716.00	1,941.39
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	46,567.57	2,158.81
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,554.22	2,424.54
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	32,688.22	1,216.66
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,116.84	1,359.41
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,237.76	1,416.52
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,798.39	1,600.99
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,426.07	1,666.87
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	36,007.86	2,084.13

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	468.55	165.15
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	596.34	177.45
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	656.87	197.66
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	800.43	205.56
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	808.61	225.77
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	943.89	238.06
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,020.45	220.49
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,055.55	240.69
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,156.42	252.99
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,300.71	281.10
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,590.89	240.69
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,270.07	252.99
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,403.85	265.29
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,543.64	293.40
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,501.97	308.34
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,882.21	270.13
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,528.52	290.33
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,445.47	302.63
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,610.68	330.74
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,993.02	345.23
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,143.91	357.97
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,380.95	329.86
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,891.17	342.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,077.31	370.27
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,064.88	384.77
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,374.27	397.50
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,372.52	434.84
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,439.73	391.35
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,367.15	403.65
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,563.75	431.76
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,500.49	446.26
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,883.15	458.99
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,709.44	496.33
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,337.56	535.86
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,195.65	443.18
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,607.60	471.29
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,879.29	485.79
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,982.33	498.53
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,528.97	535.86
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,257.30	575.39
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,494.39	569.02
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,122.32	645.66
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,381.10	685.20
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,870.54	746.69
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,589.89	786.22
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,356.50	704.96
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,778.28	744.49
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,333.52	805.98
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,153.05	845.52
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,704.12	955.33
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,194.16	917.99
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,047.31	1,027.79
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,142.43	1,087.09
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,032.21	1,060.74
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,238.26	1,170.54
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	22,614.50	1,229.84
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,327.73	1,302.31

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	508.93	165.15
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	642.70	177.45
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	730.14	197.66
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	800.43	205.56
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	857.96	225.77
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	990.25	238.06
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,020.45	220.49
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,109.38	240.69
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,213.24	252.99
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,399.40	281.10
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,270.07	252.99
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,375.44	265.29
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,533.17	293.40
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,754.68	308.34
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,528.52	290.33
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,659.30	302.63
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,845.45	330.74
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,039.38	345.23
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,143.91	357.97
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,891.17	342.16
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,077.31	370.27
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,271.24	384.77
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,374.27	397.50
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,602.81	434.84
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,759.74	391.35
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,521.17	403.65
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,563.75	431.76
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,801.06	446.26
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,883.15	458.99
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,152.06	496.33
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,336.07	535.86
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,503.69	443.18
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,607.60	471.29
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,690.87	485.79
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,771.48	498.53
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,044.87	535.86
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,257.30	575.39
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,494.39	569.02
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,320.36	608.34
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,145.14	645.66
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,414.00	685.20
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,870.54	746.69
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,589.89	786.22
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,422.30	704.96
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,778.28	744.49
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,300.62	805.98
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,117.16	845.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,671.23	955.33
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,194.16	917.99
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,009.84	1,027.79
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,142.43	1,087.09
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,238.26	1,170.54
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	22,614.50	1,229.84
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,327.73	1,302.31

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-0001)*

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	180.73	57.10
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	271.33	84.33
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	392.48	100.14
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	538.91	116.84
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	695.12	137.04
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	917.80	153.73
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,096.12	175.69
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,485.23	245.96
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,971.68	307.46
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,805.72	373.34
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,951.62	434.84
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,044.79	478.76
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	9,926.28	527.08
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	13,114.02	592.96

40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint *(40 05 19 00-0001)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

40 05 19 00-2060	EA	3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,124.16	100.94
40 05 19 00-2061	EA	4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,305.01	118.43
40 05 19 00-2062	EA	6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,075.39	148.03
40 05 19 00-2063	EA	8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,753.16	169.20
40 05 19 00-2064	EA	10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	3,802.32	255.27
40 05 19 00-2065	EA	12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	4,974.57	278.47
40 05 19 00-2066	EA	14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	5,762.26	306.32
40 05 19 00-2067	EA	16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	6,404.97	340.32
40 05 19 00-2068	EA	18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,167.84	382.90
40 05 19 00-2069	EA	20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,365.17	437.55
40 05 19 00-2070	EA	24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	16,375.02	510.53
40 05 19 00-2071	EA	30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	57,372.45	612.64
40 05 19 00-2072	EA	36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	81,462.94	765.80

40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2076	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,192.94	251.24
		For Class 52 Rating, Deduct	*-89.35*	
		For Class 54 Rating, Add	*126.41*	
		For Class 55 Rating, Add	*190.27*	
		For Class 56 Rating, Add	*253.33*	
40 05 19 00-2077	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,315.20	255.63
		For Class 52 Rating, Deduct	*-102.07*	
		For Class 54 Rating, Add	*143.83*	
		For Class 55 Rating, Add	*216.21*	
		For Class 56 Rating, Add	*287.67*	
40 05 19 00-2078	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,437.46	260.02
		For Class 52 Rating, Deduct	*-114.78*	
		For Class 54 Rating, Add	*161.25*	
		For Class 55 Rating, Add	*242.15*	
		For Class 56 Rating, Add	*322.01*	
40 05 19 00-2079	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,559.72	264.42
		For Class 52 Rating, Deduct	*-127.50*	
		For Class 54 Rating, Add	*178.67*	
		For Class 55 Rating, Add	*268.09*	
		For Class 56 Rating, Add	*356.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2080	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,681.99	268.80
		For Class 52 Rating, Deduct	*-140.22*	
		For Class 54 Rating, Add	*196.09*	
		For Class 55 Rating, Add	*294.03*	
		For Class 56 Rating, Add	*390.70*	
40 05 19 00-2081	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,804.24	273.20
		For Class 52 Rating, Deduct	*-152.93*	
		For Class 54 Rating, Add	*213.51*	
		For Class 55 Rating, Add	*319.97*	
		For Class 56 Rating, Add	*425.04*	
40 05 19 00-2082	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,926.50	277.59
		For Class 52 Rating, Deduct	*-165.65*	
		For Class 54 Rating, Add	*230.93*	
		For Class 55 Rating, Add	*345.91*	
		For Class 56 Rating, Add	*459.38*	
40 05 19 00-2083	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,048.75	281.99
		For Class 52 Rating, Deduct	*-178.37*	
		For Class 54 Rating, Add	*248.35*	
		For Class 55 Rating, Add	*371.85*	
		For Class 56 Rating, Add	*493.73*	
40 05 19 00-2084	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,171.03	286.37
		For Class 52 Rating, Deduct	*-191.08*	
		For Class 54 Rating, Add	*265.77*	
		For Class 55 Rating, Add	*397.79*	
		For Class 56 Rating, Add	*528.07*	
40 05 19 00-2085	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,293.28	290.77
		For Class 52 Rating, Deduct	*-203.80*	
		For Class 54 Rating, Add	*283.19*	
		For Class 55 Rating, Add	*423.73*	
		For Class 56 Rating, Add	*562.41*	
40 05 19 00-2086	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,415.54	295.16
		For Class 52 Rating, Deduct	*-216.52*	
		For Class 54 Rating, Add	*300.62*	
		For Class 55 Rating, Add	*449.67*	
		For Class 56 Rating, Add	*596.76*	
40 05 19 00-2087	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,537.80	299.55
		For Class 52 Rating, Deduct	*-229.23*	
		For Class 54 Rating, Add	*318.04*	
		For Class 55 Rating, Add	*475.61*	
		For Class 56 Rating, Add	*631.10*	
40 05 19 00-2088	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,660.07	303.94
		For Class 52 Rating, Deduct	*-241.95*	
		For Class 54 Rating, Add	*335.46*	
		For Class 55 Rating, Add	*501.55*	
		For Class 56 Rating, Add	*665.44*	
40 05 19 00-2089	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,782.32	308.34
		For Class 52 Rating, Deduct	*-254.67*	
		For Class 54 Rating, Add	*352.88*	
		For Class 55 Rating, Add	*527.49*	
		For Class 56 Rating, Add	*699.78*	
40 05 19 00-2090	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,904.58	312.73
		For Class 52 Rating, Deduct	*-267.38*	
		For Class 54 Rating, Add	*370.30*	
		For Class 55 Rating, Add	*553.43*	
		For Class 56 Rating, Add	*734.13*	
40 05 19 00-2091	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,026.84	317.12
		For Class 52 Rating, Deduct	*-280.10*	
		For Class 54 Rating, Add	*387.72*	
		For Class 55 Rating, Add	*579.37*	
		For Class 56 Rating, Add	*768.47*	
40 05 19 00-2092	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,149.10	321.51
		For Class 52 Rating, Deduct	*-292.82*	
		For Class 54 Rating, Add	*405.14*	
		For Class 55 Rating, Add	*605.31*	
		For Class 56 Rating, Add	*802.82*	
40 05 19 00-2093	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,271.37	325.91
		For Class 52 Rating, Deduct	*-305.53*	
		For Class 54 Rating, Add	*422.56*	
		For Class 55 Rating, Add	*631.25*	
		For Class 56 Rating, Add	*837.16*	
40 05 19 00-2094	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,393.63	330.30
		For Class 52 Rating, Deduct	*-318.25*	
		For Class 54 Rating, Add	*439.98*	
		For Class 55 Rating, Add	*657.19*	
		For Class 56 Rating, Add	*871.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2095	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,515.89	334.69
		For Class 52 Rating, Deduct	*-330.97*	
		For Class 54 Rating, Add	*457.40*	
		For Class 55 Rating, Add	*683.13*	
		For Class 56 Rating, Add	*905.85*	
40 05 19 00-2096	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,638.14	339.08
		For Class 52 Rating, Deduct	*-343.68*	
		For Class 54 Rating, Add	*474.82*	
		For Class 55 Rating, Add	*709.07*	
		For Class 56 Rating, Add	*940.19*	
40 05 19 00-2097	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,760.40	343.48
		For Class 52 Rating, Deduct	*-356.40*	
		For Class 54 Rating, Add	*492.24*	
		For Class 55 Rating, Add	*735.01*	
		For Class 56 Rating, Add	*974.53*	
40 05 19 00-2098	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,882.67	347.86
		For Class 52 Rating, Deduct	*-369.11*	
		For Class 54 Rating, Add	*509.66*	
		For Class 55 Rating, Add	*760.95*	
		For Class 56 Rating, Add	*1,008.87*	
40 05 19 00-2099	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,004.93	352.26
		For Class 52 Rating, Deduct	*-381.83*	
		For Class 54 Rating, Add	*527.08*	
		For Class 55 Rating, Add	*786.89*	
		For Class 56 Rating, Add	*1,043.22*	
40 05 19 00-2100	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,127.18	356.65
		For Class 52 Rating, Deduct	*-394.55*	
		For Class 54 Rating, Add	*544.50*	
		For Class 55 Rating, Add	*812.83*	
		For Class 56 Rating, Add	*1,077.56*	
40 05 19 00-2101	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,249.45	361.05
		For Class 52 Rating, Deduct	*-407.27*	
		For Class 54 Rating, Add	*561.93*	
		For Class 55 Rating, Add	*838.77*	
		For Class 56 Rating, Add	*1,111.90*	
40 05 19 00-2102	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,371.71	365.43
		For Class 52 Rating, Deduct	*-419.98*	
		For Class 54 Rating, Add	*579.35*	
		For Class 55 Rating, Add	*864.71*	
		For Class 56 Rating, Add	*1,146.25*	
40 05 19 00-2103	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,493.97	369.83
		For Class 52 Rating, Deduct	*-432.70*	
		For Class 54 Rating, Add	*596.77*	
		For Class 55 Rating, Add	*890.65*	
		For Class 56 Rating, Add	*1,180.59*	
40 05 19 00-2104	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,616.22	374.22
		For Class 52 Rating, Deduct	*-445.41*	
		For Class 54 Rating, Add	*614.19*	
		For Class 55 Rating, Add	*916.58*	
		For Class 56 Rating, Add	*1,214.93*	
40 05 19 00-2105	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,738.49	378.61
		For Class 52 Rating, Deduct	*-458.13*	
		For Class 54 Rating, Add	*631.61*	
		For Class 55 Rating, Add	*942.52*	
		For Class 56 Rating, Add	*1,249.28*	
40 05 19 00-2106	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,860.74	383.00
		For Class 52 Rating, Deduct	*-470.85*	
		For Class 54 Rating, Add	*649.03*	
		For Class 55 Rating, Add	*968.46*	
		For Class 56 Rating, Add	*1,283.62*	
40 05 19 00-2107	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,983.01	387.40
		For Class 52 Rating, Deduct	*-483.56*	
		For Class 54 Rating, Add	*666.45*	
		For Class 55 Rating, Add	*994.40*	
		For Class 56 Rating, Add	*1,317.96*	
40 05 19 00-2108	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,105.27	391.80
		For Class 52 Rating, Deduct	*-496.28*	
		For Class 54 Rating, Add	*683.87*	
		For Class 55 Rating, Add	*1,020.34*	
		For Class 56 Rating, Add	*1,352.30*	
40 05 19 00-2109	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,227.53	396.18
		For Class 52 Rating, Deduct	*-509.00*	
		For Class 54 Rating, Add	*701.29*	
		For Class 55 Rating, Add	*1,046.28*	
		For Class 56 Rating, Add	*1,386.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2110	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,349.78	400.58
		For Class 52 Rating, Deduct	*-521.71*	
		For Class 54 Rating, Add	*718.71*	
		For Class 55 Rating, Add	*1,072.22*	
		For Class 56 Rating, Add	*1,420.99*	
40 05 19 00-2111	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,472.05	404.97
		For Class 52 Rating, Deduct	*-534.43*	
		For Class 54 Rating, Add	*736.13*	
		For Class 55 Rating, Add	*1,098.16*	
		For Class 56 Rating, Add	*1,455.33*	
40 05 19 00-2112	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,594.31	409.37
		For Class 52 Rating, Deduct	*-547.15*	
		For Class 54 Rating, Add	*753.55*	
		For Class 55 Rating, Add	*1,124.10*	
		For Class 56 Rating, Add	*1,489.68*	
40 05 19 00-2113	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,716.57	413.75
		For Class 52 Rating, Deduct	*-559.86*	
		For Class 54 Rating, Add	*770.97*	
		For Class 55 Rating, Add	*1,150.04*	
		For Class 56 Rating, Add	*1,524.02*	
40 05 19 00-2114	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,838.82	418.15
		For Class 52 Rating, Deduct	*-572.58*	
		For Class 54 Rating, Add	*788.39*	
		For Class 55 Rating, Add	*1,175.98*	
		For Class 56 Rating, Add	*1,558.36*	

40 05 19 00-2115 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2116	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,492.23	316.24
		For Class 52 Rating, Deduct	*-111.44*	
		For Class 54 Rating, Add	*157.71*	
		For Class 55 Rating, Add	*237.41*	
		For Class 56 Rating, Add	*316.11*	
40 05 19 00-2117	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,632.74	320.64
		For Class 52 Rating, Deduct	*-126.16*	
		For Class 54 Rating, Add	*177.87*	
		For Class 55 Rating, Add	*267.42*	
		For Class 56 Rating, Add	*355.83*	
40 05 19 00-2118	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,773.25	325.02
		For Class 52 Rating, Deduct	*-140.89*	
		For Class 54 Rating, Add	*198.03*	
		For Class 55 Rating, Add	*297.43*	
		For Class 56 Rating, Add	*395.56*	
40 05 19 00-2119	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,913.76	329.42
		For Class 52 Rating, Deduct	*-155.61*	
		For Class 54 Rating, Add	*218.19*	
		For Class 55 Rating, Add	*327.44*	
		For Class 56 Rating, Add	*435.29*	
40 05 19 00-2120	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,054.27	333.81
		For Class 52 Rating, Deduct	*-170.34*	
		For Class 54 Rating, Add	*238.34*	
		For Class 55 Rating, Add	*357.45*	
		For Class 56 Rating, Add	*475.02*	
40 05 19 00-2121	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,194.80	338.21
		For Class 52 Rating, Deduct	*-185.06*	
		For Class 54 Rating, Add	*258.50*	
		For Class 55 Rating, Add	*387.46*	
		For Class 56 Rating, Add	*514.74*	
40 05 19 00-2122	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,335.31	342.59
		For Class 52 Rating, Deduct	*-199.78*	
		For Class 54 Rating, Add	*278.66*	
		For Class 55 Rating, Add	*417.48*	
		For Class 56 Rating, Add	*554.47*	
40 05 19 00-2123	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,475.82	346.99
		For Class 52 Rating, Deduct	*-214.51*	
		For Class 54 Rating, Add	*298.82*	
		For Class 55 Rating, Add	*447.49*	
		For Class 56 Rating, Add	*594.20*	
40 05 19 00-2124	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,616.33	351.38
		For Class 52 Rating, Deduct	*-229.23*	
		For Class 54 Rating, Add	*318.98*	
		For Class 55 Rating, Add	*477.49*	
		For Class 56 Rating, Add	*633.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2125	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,756.84	355.78
		For Class 52 Rating, Deduct	*-243.96*	
		For Class 54 Rating, Add	*339.14*	
		For Class 55 Rating, Add	*507.50*	
		For Class 56 Rating, Add	*673.65*	
40 05 19 00-2126	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,897.36	360.16
		For Class 52 Rating, Deduct	*-258.68*	
		For Class 54 Rating, Add	*359.30*	
		For Class 55 Rating, Add	*537.51*	
		For Class 56 Rating, Add	*713.38*	
40 05 19 00-2127	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,037.87	364.56
		For Class 52 Rating, Deduct	*-273.41*	
		For Class 54 Rating, Add	*379.45*	
		For Class 55 Rating, Add	*567.53*	
		For Class 56 Rating, Add	*753.11*	
40 05 19 00-2128	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,178.39	368.95
		For Class 52 Rating, Deduct	*-288.13*	
		For Class 54 Rating, Add	*399.61*	
		For Class 55 Rating, Add	*597.54*	
		For Class 56 Rating, Add	*792.84*	
40 05 19 00-2129	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,318.90	373.34
		For Class 52 Rating, Deduct	*-302.86*	
		For Class 54 Rating, Add	*419.77*	
		For Class 55 Rating, Add	*627.55*	
		For Class 56 Rating, Add	*832.57*	
40 05 19 00-2130	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,459.42	377.73
		For Class 52 Rating, Deduct	*-317.58*	
		For Class 54 Rating, Add	*439.93*	
		For Class 55 Rating, Add	*657.56*	
		For Class 56 Rating, Add	*872.30*	
40 05 19 00-2131	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,599.92	382.13
		For Class 52 Rating, Deduct	*-332.30*	
		For Class 54 Rating, Add	*460.09*	
		For Class 55 Rating, Add	*687.57*	
		For Class 56 Rating, Add	*912.02*	
40 05 19 00-2132	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,740.44	386.53
		For Class 52 Rating, Deduct	*-347.03*	
		For Class 54 Rating, Add	*480.25*	
		For Class 55 Rating, Add	*717.58*	
		For Class 56 Rating, Add	*951.75*	
40 05 19 00-2133	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,880.95	390.91
		For Class 52 Rating, Deduct	*-361.75*	
		For Class 54 Rating, Add	*500.41*	
		For Class 55 Rating, Add	*747.59*	
		For Class 56 Rating, Add	*991.48*	
40 05 19 00-2134	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,021.46	395.31
		For Class 52 Rating, Deduct	*-376.48*	
		For Class 54 Rating, Add	*520.57*	
		For Class 55 Rating, Add	*777.60*	
		For Class 56 Rating, Add	*1,031.21*	
40 05 19 00-2135	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,161.99	399.70
		For Class 52 Rating, Deduct	*-391.20*	
		For Class 54 Rating, Add	*540.72*	
		For Class 55 Rating, Add	*807.61*	
		For Class 56 Rating, Add	*1,070.93*	
40 05 19 00-2136	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,302.50	404.09
		For Class 52 Rating, Deduct	*-405.93*	
		For Class 54 Rating, Add	*560.88*	
		For Class 55 Rating, Add	*837.62*	
		For Class 56 Rating, Add	*1,110.66*	
40 05 19 00-2137	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,443.01	408.48
		For Class 52 Rating, Deduct	*-420.65*	
		For Class 54 Rating, Add	*581.04*	
		For Class 55 Rating, Add	*867.63*	
		For Class 56 Rating, Add	*1,150.39*	
40 05 19 00-2138	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,583.51	412.88
		For Class 52 Rating, Deduct	*-435.37*	
		For Class 54 Rating, Add	*601.20*	
		For Class 55 Rating, Add	*897.64*	
		For Class 56 Rating, Add	*1,190.12*	
40 05 19 00-2139	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,724.04	417.27
		For Class 52 Rating, Deduct	*-450.10*	
		For Class 54 Rating, Add	*621.36*	
		For Class 55 Rating, Add	*927.65*	
		For Class 56 Rating, Add	*1,229.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2140	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,864.55	421.66
		For Class 52 Rating, Deduct	*-464.82*	
		For Class 54 Rating, Add	*641.52*	
		For Class 55 Rating, Add	*957.66*	
		For Class 56 Rating, Add	*1,269.57*	
40 05 19 00-2141	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,005.06	426.05
		For Class 52 Rating, Deduct	*-479.55*	
		For Class 54 Rating, Add	*661.68*	
		For Class 55 Rating, Add	*987.67*	
		For Class 56 Rating, Add	*1,309.30*	
40 05 19 00-2142	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,145.58	430.45
		For Class 52 Rating, Deduct	*-494.27*	
		For Class 54 Rating, Add	*681.83*	
		For Class 55 Rating, Add	*1,017.68*	
		For Class 56 Rating, Add	*1,349.03*	
40 05 19 00-2143	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,286.09	434.84
		For Class 52 Rating, Deduct	*-509.00*	
		For Class 54 Rating, Add	*701.99*	
		For Class 55 Rating, Add	*1,047.69*	
		For Class 56 Rating, Add	*1,388.76*	
40 05 19 00-2144	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,426.61	439.23
		For Class 52 Rating, Deduct	*-523.72*	
		For Class 54 Rating, Add	*722.15*	
		For Class 55 Rating, Add	*1,077.70*	
		For Class 56 Rating, Add	*1,428.49*	
40 05 19 00-2145	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,567.11	443.62
		For Class 52 Rating, Deduct	*-538.45*	
		For Class 54 Rating, Add	*742.31*	
		For Class 55 Rating, Add	*1,107.71*	
		For Class 56 Rating, Add	*1,468.21*	
40 05 19 00-2146	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,707.63	448.02
		For Class 52 Rating, Deduct	*-553.17*	
		For Class 54 Rating, Add	*762.47*	
		For Class 55 Rating, Add	*1,137.72*	
		For Class 56 Rating, Add	*1,507.94*	
40 05 19 00-2147	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,848.14	452.40
		For Class 52 Rating, Deduct	*-567.89*	
		For Class 54 Rating, Add	*782.63*	
		For Class 55 Rating, Add	*1,167.73*	
		For Class 56 Rating, Add	*1,547.67*	
40 05 19 00-2148	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,988.65	456.80
		For Class 52 Rating, Deduct	*-582.62*	
		For Class 54 Rating, Add	*802.79*	
		For Class 55 Rating, Add	*1,197.74*	
		For Class 56 Rating, Add	*1,587.40*	
40 05 19 00-2149	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,129.18	461.19
		For Class 52 Rating, Deduct	*-597.34*	
		For Class 54 Rating, Add	*822.95*	
		For Class 55 Rating, Add	*1,227.75*	
		For Class 56 Rating, Add	*1,627.12*	
40 05 19 00-2150	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,269.69	465.59
		For Class 52 Rating, Deduct	*-612.07*	
		For Class 54 Rating, Add	*843.10*	
		For Class 55 Rating, Add	*1,257.76*	
		For Class 56 Rating, Add	*1,666.85*	
40 05 19 00-2151	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,410.20	469.97
		For Class 52 Rating, Deduct	*-626.79*	
		For Class 54 Rating, Add	*863.26*	
		For Class 55 Rating, Add	*1,287.77*	
		For Class 56 Rating, Add	*1,706.58*	
40 05 19 00-2152	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,550.70	474.37
		For Class 52 Rating, Deduct	*-641.52*	
		For Class 54 Rating, Add	*883.42*	
		For Class 55 Rating, Add	*1,317.78*	
		For Class 56 Rating, Add	*1,746.31*	
40 05 19 00-2153	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,691.23	478.76
		For Class 52 Rating, Deduct	*-656.24*	
		For Class 54 Rating, Add	*903.58*	
		For Class 55 Rating, Add	*1,347.79*	
		For Class 56 Rating, Add	*1,786.03*	
40 05 19 00-2154	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,831.74	483.15
		For Class 52 Rating, Deduct	*-670.97*	
		For Class 54 Rating, Add	*923.74*	
		For Class 55 Rating, Add	*1,377.80*	
		For Class 56 Rating, Add	*1,825.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2155		8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2156	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,075.58	404.09
		For Class 52 Rating, Deduct	*-160.97*	
		For Class 54 Rating, Add	*226.85*	
		For Class 55 Rating, Add	*341.01*	
		For Class 56 Rating, Add	*453.72*	
40 05 19 00-2157	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,255.64	408.48
		For Class 52 Rating, Deduct	*-180.04*	
		For Class 54 Rating, Add	*252.94*	
		For Class 55 Rating, Add	*379.84*	
		For Class 56 Rating, Add	*505.12*	
40 05 19 00-2158	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,435.69	412.88
		For Class 52 Rating, Deduct	*-199.11*	
		For Class 54 Rating, Add	*279.03*	
		For Class 55 Rating, Add	*418.67*	
		For Class 56 Rating, Add	*556.51*	
40 05 19 00-2159	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,615.77	417.27
		For Class 52 Rating, Deduct	*-218.19*	
		For Class 54 Rating, Add	*305.12*	
		For Class 55 Rating, Add	*457.50*	
		For Class 56 Rating, Add	*607.90*	
40 05 19 00-2160	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,795.83	421.66
		For Class 52 Rating, Deduct	*-237.26*	
		For Class 54 Rating, Add	*331.21*	
		For Class 55 Rating, Add	*496.33*	
		For Class 56 Rating, Add	*659.30*	
40 05 19 00-2161	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,975.89	426.05
		For Class 52 Rating, Deduct	*-256.34*	
		For Class 54 Rating, Add	*357.30*	
		For Class 55 Rating, Add	*535.16*	
		For Class 56 Rating, Add	*710.70*	
40 05 19 00-2162	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,155.95	430.45
		For Class 52 Rating, Deduct	*-275.41*	
		For Class 54 Rating, Add	*383.39*	
		For Class 55 Rating, Add	*573.99*	
		For Class 56 Rating, Add	*762.09*	
40 05 19 00-2163	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,336.01	434.84
		For Class 52 Rating, Deduct	*-294.49*	
		For Class 54 Rating, Add	*409.48*	
		For Class 55 Rating, Add	*612.82*	
		For Class 56 Rating, Add	*813.48*	
40 05 19 00-2164	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,516.08	439.23
		For Class 52 Rating, Deduct	*-313.56*	
		For Class 54 Rating, Add	*435.57*	
		For Class 55 Rating, Add	*651.65*	
		For Class 56 Rating, Add	*864.88*	
40 05 19 00-2165	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,696.14	443.62
		For Class 52 Rating, Deduct	*-332.64*	
		For Class 54 Rating, Add	*461.66*	
		For Class 55 Rating, Add	*690.48*	
		For Class 56 Rating, Add	*916.27*	
40 05 19 00-2166	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,876.20	448.02
		For Class 52 Rating, Deduct	*-351.71*	
		For Class 54 Rating, Add	*487.75*	
		For Class 55 Rating, Add	*729.31*	
		For Class 56 Rating, Add	*967.67*	
40 05 19 00-2167	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,056.26	452.40
		For Class 52 Rating, Deduct	*-370.79*	
		For Class 54 Rating, Add	*513.85*	
		For Class 55 Rating, Add	*768.14*	
		For Class 56 Rating, Add	*1,019.06*	
40 05 19 00-2168	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,236.32	456.80
		For Class 52 Rating, Deduct	*-389.86*	
		For Class 54 Rating, Add	*539.94*	
		For Class 55 Rating, Add	*806.97*	
		For Class 56 Rating, Add	*1,070.46*	
40 05 19 00-2169	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,416.40	461.19
		For Class 52 Rating, Deduct	*-408.94*	
		For Class 54 Rating, Add	*566.03*	
		For Class 55 Rating, Add	*845.80*	
		For Class 56 Rating, Add	*1,121.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2170	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,596.45	465.59
		For Class 52 Rating, Deduct	*-428.01*	
		For Class 54 Rating, Add	*592.12*	
		For Class 55 Rating, Add	*884.63*	
		For Class 56 Rating, Add	*1,173.25*	
40 05 19 00-2171	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,776.51	469.97
		For Class 52 Rating, Deduct	*-447.09*	
		For Class 54 Rating, Add	*618.21*	
		For Class 55 Rating, Add	*923.46*	
		For Class 56 Rating, Add	*1,224.64*	
40 05 19 00-2172	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,956.57	474.37
		For Class 52 Rating, Deduct	*-466.16*	
		For Class 54 Rating, Add	*644.30*	
		For Class 55 Rating, Add	*962.29*	
		For Class 56 Rating, Add	*1,276.04*	
40 05 19 00-2173	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,136.65	478.76
		For Class 52 Rating, Deduct	*-485.24*	
		For Class 54 Rating, Add	*670.39*	
		For Class 55 Rating, Add	*1,001.12*	
		For Class 56 Rating, Add	*1,327.43*	
40 05 19 00-2174	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,316.71	483.15
		For Class 52 Rating, Deduct	*-504.31*	
		For Class 54 Rating, Add	*696.48*	
		For Class 55 Rating, Add	*1,039.95*	
		For Class 56 Rating, Add	*1,378.83*	
40 05 19 00-2175	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,496.76	487.54
		For Class 52 Rating, Deduct	*-523.39*	
		For Class 54 Rating, Add	*722.57*	
		For Class 55 Rating, Add	*1,078.78*	
		For Class 56 Rating, Add	*1,430.22*	
40 05 19 00-2176	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,676.83	491.94
		For Class 52 Rating, Deduct	*-542.46*	
		For Class 54 Rating, Add	*748.66*	
		For Class 55 Rating, Add	*1,117.61*	
		For Class 56 Rating, Add	*1,481.62*	
40 05 19 00-2177	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,856.89	496.33
		For Class 52 Rating, Deduct	*-561.54*	
		For Class 54 Rating, Add	*774.76*	
		For Class 55 Rating, Add	*1,156.44*	
		For Class 56 Rating, Add	*1,533.01*	
40 05 19 00-2178	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,036.96	500.72
		For Class 52 Rating, Deduct	*-580.61*	
		For Class 54 Rating, Add	*800.85*	
		For Class 55 Rating, Add	*1,195.27*	
		For Class 56 Rating, Add	*1,584.41*	
40 05 19 00-2179	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,217.01	505.11
		For Class 52 Rating, Deduct	*-599.69*	
		For Class 54 Rating, Add	*826.94*	
		For Class 55 Rating, Add	*1,234.09*	
		For Class 56 Rating, Add	*1,635.80*	
40 05 19 00-2180	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,397.08	509.51
		For Class 52 Rating, Deduct	*-618.76*	
		For Class 54 Rating, Add	*853.03*	
		For Class 55 Rating, Add	*1,272.92*	
		For Class 56 Rating, Add	*1,687.20*	
40 05 19 00-2181	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,577.14	513.90
		For Class 52 Rating, Deduct	*-637.84*	
		For Class 54 Rating, Add	*879.12*	
		For Class 55 Rating, Add	*1,311.75*	
		For Class 56 Rating, Add	*1,738.59*	
40 05 19 00-2182	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,757.20	518.29
		For Class 52 Rating, Deduct	*-656.91*	
		For Class 54 Rating, Add	*905.21*	
		For Class 55 Rating, Add	*1,350.58*	
		For Class 56 Rating, Add	*1,789.99*	
40 05 19 00-2183	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,937.26	522.68
		For Class 52 Rating, Deduct	*-675.99*	
		For Class 54 Rating, Add	*931.30*	
		For Class 55 Rating, Add	*1,389.41*	
		For Class 56 Rating, Add	*1,841.38*	
40 05 19 00-2184	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,117.33	527.08
		For Class 52 Rating, Deduct	*-695.06*	
		For Class 54 Rating, Add	*957.39*	
		For Class 55 Rating, Add	*1,428.24*	
		For Class 56 Rating, Add	*1,892.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2185	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,297.39	531.46
		For Class 52 Rating, Deduct	*-714.14*	
		For Class 54 Rating, Add	*983.48*	
		For Class 55 Rating, Add	*1,467.07*	
		For Class 56 Rating, Add	*1,944.17*	
40 05 19 00-2186	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,477.45	535.86
		For Class 52 Rating, Deduct	*-733.21*	
		For Class 54 Rating, Add	*1,009.58*	
		For Class 55 Rating, Add	*1,505.90*	
		For Class 56 Rating, Add	*1,995.57*	
40 05 19 00-2187	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,657.53	540.25
		For Class 52 Rating, Deduct	*-752.29*	
		For Class 54 Rating, Add	*1,035.67*	
		For Class 55 Rating, Add	*1,544.73*	
		For Class 56 Rating, Add	*2,046.96*	
40 05 19 00-2188	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,837.58	544.65
		For Class 52 Rating, Deduct	*-771.36*	
		For Class 54 Rating, Add	*1,061.76*	
		For Class 55 Rating, Add	*1,583.56*	
		For Class 56 Rating, Add	*2,098.35*	
40 05 19 00-2189	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,017.64	549.03
		For Class 52 Rating, Deduct	*-790.43*	
		For Class 54 Rating, Add	*1,087.85*	
		For Class 55 Rating, Add	*1,622.39*	
		For Class 56 Rating, Add	*2,149.75*	
40 05 19 00-2190	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,197.70	553.43
		For Class 52 Rating, Deduct	*-809.51*	
		For Class 54 Rating, Add	*1,113.94*	
		For Class 55 Rating, Add	*1,661.22*	
		For Class 56 Rating, Add	*2,201.14*	
40 05 19 00-2191	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,377.77	557.82
		For Class 52 Rating, Deduct	*-828.58*	
		For Class 54 Rating, Add	*1,140.03*	
		For Class 55 Rating, Add	*1,700.05*	
		For Class 56 Rating, Add	*2,252.54*	
40 05 19 00-2192	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,557.83	562.21
		For Class 52 Rating, Deduct	*-847.66*	
		For Class 54 Rating, Add	*1,166.12*	
		For Class 55 Rating, Add	*1,738.88*	
		For Class 56 Rating, Add	*2,303.93*	
40 05 19 00-2193	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,737.89	566.60
		For Class 52 Rating, Deduct	*-866.73*	
		For Class 54 Rating, Add	*1,192.21*	
		For Class 55 Rating, Add	*1,777.71*	
		For Class 56 Rating, Add	*2,355.33*	
40 05 19 00-2194	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,917.96	571.00
		For Class 52 Rating, Deduct	*-885.81*	
		For Class 54 Rating, Add	*1,218.30*	
		For Class 55 Rating, Add	*1,816.54*	
		For Class 56 Rating, Add	*2,406.72*	

40 05 19 00-2195 10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2196	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,619.38	491.94
		For Class 52 Rating, Deduct	*-206.14*	
		For Class 54 Rating, Add	*290.05*	
		For Class 55 Rating, Add	*435.80*	
		For Class 56 Rating, Add	*579.67*	
40 05 19 00-2197	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,851.16	496.33
		For Class 52 Rating, Deduct	*-230.91*	
		For Class 54 Rating, Add	*323.90*	
		For Class 55 Rating, Add	*486.16*	
		For Class 56 Rating, Add	*646.32*	
40 05 19 00-2198	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,082.94	500.72
		For Class 52 Rating, Deduct	*-255.67*	
		For Class 54 Rating, Add	*357.74*	
		For Class 55 Rating, Add	*536.52*	
		For Class 56 Rating, Add	*712.97*	
40 05 19 00-2199	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,314.72	505.11
		For Class 52 Rating, Deduct	*-280.43*	
		For Class 54 Rating, Add	*391.59*	
		For Class 55 Rating, Add	*586.88*	
		For Class 56 Rating, Add	*779.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2200	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,546.50	509.51
		For Class 52 Rating, Deduct	*-305.20*	
		For Class 54 Rating, Add	*425.44*	
		For Class 55 Rating, Add	*637.25*	
		For Class 56 Rating, Add	*846.27*	
40 05 19 00-2201	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,778.28	513.90
		For Class 52 Rating, Deduct	*-329.96*	
		For Class 54 Rating, Add	*459.29*	
		For Class 55 Rating, Add	*687.61*	
		For Class 56 Rating, Add	*912.93*	
40 05 19 00-2202	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,010.05	518.29
		For Class 52 Rating, Deduct	*-354.72*	
		For Class 54 Rating, Add	*493.14*	
		For Class 55 Rating, Add	*737.97*	
		For Class 56 Rating, Add	*979.58*	
40 05 19 00-2203	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,241.84	522.68
		For Class 52 Rating, Deduct	*-379.49*	
		For Class 54 Rating, Add	*526.99*	
		For Class 55 Rating, Add	*788.33*	
		For Class 56 Rating, Add	*1,046.23*	
40 05 19 00-2204	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,473.63	527.08
		For Class 52 Rating, Deduct	*-404.25*	
		For Class 54 Rating, Add	*560.84*	
		For Class 55 Rating, Add	*838.70*	
		For Class 56 Rating, Add	*1,112.88*	
40 05 19 00-2205	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,705.40	531.46
		For Class 52 Rating, Deduct	*-429.02*	
		For Class 54 Rating, Add	*594.69*	
		For Class 55 Rating, Add	*889.06*	
		For Class 56 Rating, Add	*1,179.53*	
40 05 19 00-2206	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,937.18	535.86
		For Class 52 Rating, Deduct	*-453.78*	
		For Class 54 Rating, Add	*628.53*	
		For Class 55 Rating, Add	*939.42*	
		For Class 56 Rating, Add	*1,246.19*	
40 05 19 00-2207	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,168.97	540.25
		For Class 52 Rating, Deduct	*-478.54*	
		For Class 54 Rating, Add	*662.38*	
		For Class 55 Rating, Add	*989.78*	
		For Class 56 Rating, Add	*1,312.84*	
40 05 19 00-2208	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,400.75	544.65
		For Class 52 Rating, Deduct	*-503.31*	
		For Class 54 Rating, Add	*696.23*	
		For Class 55 Rating, Add	*1,040.15*	
		For Class 56 Rating, Add	*1,379.49*	
40 05 19 00-2209	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,632.52	549.03
		For Class 52 Rating, Deduct	*-528.07*	
		For Class 54 Rating, Add	*730.08*	
		For Class 55 Rating, Add	*1,090.51*	
		For Class 56 Rating, Add	*1,446.14*	
40 05 19 00-2210	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,864.30	553.43
		For Class 52 Rating, Deduct	*-552.84*	
		For Class 54 Rating, Add	*763.93*	
		For Class 55 Rating, Add	*1,140.87*	
		For Class 56 Rating, Add	*1,512.79*	
40 05 19 00-2211	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,096.09	557.82
		For Class 52 Rating, Deduct	*-577.60*	
		For Class 54 Rating, Add	*797.78*	
		For Class 55 Rating, Add	*1,191.24*	
		For Class 56 Rating, Add	*1,579.44*	
40 05 19 00-2212	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,327.87	562.21
		For Class 52 Rating, Deduct	*-602.36*	
		For Class 54 Rating, Add	*831.63*	
		For Class 55 Rating, Add	*1,241.60*	
		For Class 56 Rating, Add	*1,646.10*	
40 05 19 00-2213	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,559.65	566.60
		For Class 52 Rating, Deduct	*-627.13*	
		For Class 54 Rating, Add	*865.48*	
		For Class 55 Rating, Add	*1,291.96*	
		For Class 56 Rating, Add	*1,712.75*	
40 05 19 00-2214	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,791.43	571.00
		For Class 52 Rating, Deduct	*-651.89*	
		For Class 54 Rating, Add	*899.32*	
		For Class 55 Rating, Add	*1,342.32*	
		For Class 56 Rating, Add	*1,779.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2215	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,023.21	575.39
		For Class 52 Rating, Deduct	*-676.66*	
		For Class 54 Rating, Add	*933.17*	
		For Class 55 Rating, Add	*1,392.69*	
		For Class 56 Rating, Add	*1,846.05*	
40 05 19 00-2216	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,254.99	579.78
		For Class 52 Rating, Deduct	*-701.42*	
		For Class 54 Rating, Add	*967.02*	
		For Class 55 Rating, Add	*1,443.05*	
		For Class 56 Rating, Add	*1,912.70*	
40 05 19 00-2217	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,486.77	584.17
		For Class 52 Rating, Deduct	*-726.18*	
		For Class 54 Rating, Add	*1,000.87*	
		For Class 55 Rating, Add	*1,493.41*	
		For Class 56 Rating, Add	*1,979.35*	
40 05 19 00-2218	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,718.56	588.57
		For Class 52 Rating, Deduct	*-750.95*	
		For Class 54 Rating, Add	*1,034.72*	
		For Class 55 Rating, Add	*1,543.78*	
		For Class 56 Rating, Add	*2,046.01*	
40 05 19 00-2219	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,950.33	592.96
		For Class 52 Rating, Deduct	*-775.71*	
		For Class 54 Rating, Add	*1,068.57*	
		For Class 55 Rating, Add	*1,594.14*	
		For Class 56 Rating, Add	*2,112.66*	
40 05 19 00-2220	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,182.11	597.35
		For Class 52 Rating, Deduct	*-800.47*	
		For Class 54 Rating, Add	*1,102.42*	
		For Class 55 Rating, Add	*1,644.50*	
		For Class 56 Rating, Add	*2,179.31*	
40 05 19 00-2221	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,413.90	601.74
		For Class 52 Rating, Deduct	*-825.24*	
		For Class 54 Rating, Add	*1,136.26*	
		For Class 55 Rating, Add	*1,694.86*	
		For Class 56 Rating, Add	*2,245.96*	
40 05 19 00-2222	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,645.68	606.14
		For Class 52 Rating, Deduct	*-850.00*	
		For Class 54 Rating, Add	*1,170.11*	
		For Class 55 Rating, Add	*1,745.23*	
		For Class 56 Rating, Add	*2,312.61*	
40 05 19 00-2223	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,877.46	610.52
		For Class 52 Rating, Deduct	*-874.77*	
		For Class 54 Rating, Add	*1,203.96*	
		For Class 55 Rating, Add	*1,795.59*	
		For Class 56 Rating, Add	*2,379.27*	
40 05 19 00-2224	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,109.23	614.92
		For Class 52 Rating, Deduct	*-899.53*	
		For Class 54 Rating, Add	*1,237.81*	
		For Class 55 Rating, Add	*1,845.95*	
		For Class 56 Rating, Add	*2,445.92*	
40 05 19 00-2225	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,341.02	619.31
		For Class 52 Rating, Deduct	*-924.29*	
		For Class 54 Rating, Add	*1,271.66*	
		For Class 55 Rating, Add	*1,896.32*	
		For Class 56 Rating, Add	*2,512.57*	
40 05 19 00-2226	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,572.80	623.71
		For Class 52 Rating, Deduct	*-949.06*	
		For Class 54 Rating, Add	*1,305.51*	
		For Class 55 Rating, Add	*1,946.68*	
		For Class 56 Rating, Add	*2,579.22*	
40 05 19 00-2227	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,804.58	628.09
		For Class 52 Rating, Deduct	*-973.82*	
		For Class 54 Rating, Add	*1,339.36*	
		For Class 55 Rating, Add	*1,997.04*	
		For Class 56 Rating, Add	*2,645.87*	
40 05 19 00-2228	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,036.36	632.49
		For Class 52 Rating, Deduct	*-998.58*	
		For Class 54 Rating, Add	*1,373.21*	
		For Class 55 Rating, Add	*2,047.40*	
		For Class 56 Rating, Add	*2,712.52*	
40 05 19 00-2229	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,268.14	636.88
		For Class 52 Rating, Deduct	*-1,023.35*	
		For Class 54 Rating, Add	*1,407.06*	
		For Class 55 Rating, Add	*2,097.77*	
		For Class 56 Rating, Add	*2,779.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2230	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,499.93	641.27
		For Class 52 Rating, Deduct	*-1,048.11*	
		For Class 54 Rating, Add	*1,440.90*	
		For Class 55 Rating, Add	*2,148.13*	
		For Class 56 Rating, Add	*2,845.83*	
40 05 19 00-2231	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,731.70	645.66
		For Class 52 Rating, Deduct	*-1,072.88*	
		For Class 54 Rating, Add	*1,474.75*	
		For Class 55 Rating, Add	*2,198.49*	
		For Class 56 Rating, Add	*2,912.48*	
40 05 19 00-2232	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,963.49	650.06
		For Class 52 Rating, Deduct	*-1,097.64*	
		For Class 54 Rating, Add	*1,508.60*	
		For Class 55 Rating, Add	*2,248.86*	
		For Class 56 Rating, Add	*2,979.13*	
40 05 19 00-2233	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,195.26	654.45
		For Class 52 Rating, Deduct	*-1,122.40*	
		For Class 54 Rating, Add	*1,542.45*	
		For Class 55 Rating, Add	*2,299.22*	
		For Class 56 Rating, Add	*3,045.78*	
40 05 19 00-2234	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,427.04	658.84
		For Class 52 Rating, Deduct	*-1,147.17*	
		For Class 54 Rating, Add	*1,576.30*	
		For Class 55 Rating, Add	*2,349.58*	
		For Class 56 Rating, Add	*3,112.43*	
40 05 19 00-2235		12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2236	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,426.33	614.92
		For Class 52 Rating, Deduct	*-274.41*	
		For Class 54 Rating, Add	*385.38*	
		For Class 55 Rating, Add	*578.67*	
		For Class 56 Rating, Add	*769.46*	
40 05 19 00-2237	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,712.87	619.31
		For Class 52 Rating, Deduct	*-305.20*	
		For Class 54 Rating, Add	*427.44*	
		For Class 55 Rating, Add	*641.24*	
		For Class 56 Rating, Add	*852.26*	
40 05 19 00-2238	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,999.42	623.71
		For Class 52 Rating, Deduct	*-335.99*	
		For Class 54 Rating, Add	*469.50*	
		For Class 55 Rating, Add	*703.81*	
		For Class 56 Rating, Add	*935.07*	
40 05 19 00-2239	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,285.96	628.09
		For Class 52 Rating, Deduct	*-366.77*	
		For Class 54 Rating, Add	*511.56*	
		For Class 55 Rating, Add	*766.39*	
		For Class 56 Rating, Add	*1,017.88*	
40 05 19 00-2240	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,572.50	632.49
		For Class 52 Rating, Deduct	*-397.56*	
		For Class 54 Rating, Add	*553.63*	
		For Class 55 Rating, Add	*828.96*	
		For Class 56 Rating, Add	*1,100.68*	
40 05 19 00-2241	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,859.04	636.88
		For Class 52 Rating, Deduct	*-428.35*	
		For Class 54 Rating, Add	*595.69*	
		For Class 55 Rating, Add	*891.54*	
		For Class 56 Rating, Add	*1,183.49*	
40 05 19 00-2242	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,145.58	641.27
		For Class 52 Rating, Deduct	*-459.13*	
		For Class 54 Rating, Add	*637.75*	
		For Class 55 Rating, Add	*954.11*	
		For Class 56 Rating, Add	*1,266.29*	
40 05 19 00-2243	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,432.12	645.66
		For Class 52 Rating, Deduct	*-489.92*	
		For Class 54 Rating, Add	*679.82*	
		For Class 55 Rating, Add	*1,016.69*	
		For Class 56 Rating, Add	*1,349.10*	
40 05 19 00-2244	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,718.67	650.06
		For Class 52 Rating, Deduct	*-520.71*	
		For Class 54 Rating, Add	*721.88*	
		For Class 55 Rating, Add	*1,079.26*	
		For Class 56 Rating, Add	*1,431.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2245	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,005.20	654.45
		For Class 52 Rating, Deduct	*-551.50*	
		For Class 54 Rating, Add	*763.94*	
		For Class 55 Rating, Add	*1,141.83*	
		For Class 56 Rating, Add	*1,514.71*	
40 05 19 00-2246	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,291.74	658.84
		For Class 52 Rating, Deduct	*-582.29*	
		For Class 54 Rating, Add	*806.00*	
		For Class 55 Rating, Add	*1,204.41*	
		For Class 56 Rating, Add	*1,597.52*	
40 05 19 00-2247	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,578.28	663.23
		For Class 52 Rating, Deduct	*-613.07*	
		For Class 54 Rating, Add	*848.07*	
		For Class 55 Rating, Add	*1,266.98*	
		For Class 56 Rating, Add	*1,680.32*	
40 05 19 00-2248	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,864.83	667.63
		For Class 52 Rating, Deduct	*-643.86*	
		For Class 54 Rating, Add	*890.13*	
		For Class 55 Rating, Add	*1,329.56*	
		For Class 56 Rating, Add	*1,763.13*	
40 05 19 00-2249	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,151.37	672.02
		For Class 52 Rating, Deduct	*-674.65*	
		For Class 54 Rating, Add	*932.19*	
		For Class 55 Rating, Add	*1,392.13*	
		For Class 56 Rating, Add	*1,845.94*	
40 05 19 00-2250	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,437.90	676.41
		For Class 52 Rating, Deduct	*-705.43*	
		For Class 54 Rating, Add	*974.25*	
		For Class 55 Rating, Add	*1,454.70*	
		For Class 56 Rating, Add	*1,928.74*	
40 05 19 00-2251	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,724.45	680.80
		For Class 52 Rating, Deduct	*-736.22*	
		For Class 54 Rating, Add	*1,016.32*	
		For Class 55 Rating, Add	*1,517.28*	
		For Class 56 Rating, Add	*2,011.55*	
40 05 19 00-2252	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,010.99	685.20
		For Class 52 Rating, Deduct	*-767.01*	
		For Class 54 Rating, Add	*1,058.38*	
		For Class 55 Rating, Add	*1,579.85*	
		For Class 56 Rating, Add	*2,094.35*	
40 05 19 00-2253	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,297.53	689.58
		For Class 52 Rating, Deduct	*-797.80*	
		For Class 54 Rating, Add	*1,100.44*	
		For Class 55 Rating, Add	*1,642.43*	
		For Class 56 Rating, Add	*2,177.16*	
40 05 19 00-2254	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,584.07	693.98
		For Class 52 Rating, Deduct	*-828.58*	
		For Class 54 Rating, Add	*1,142.51*	
		For Class 55 Rating, Add	*1,705.00*	
		For Class 56 Rating, Add	*2,259.97*	
40 05 19 00-2255	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,870.61	698.37
		For Class 52 Rating, Deduct	*-859.37*	
		For Class 54 Rating, Add	*1,184.57*	
		For Class 55 Rating, Add	*1,767.58*	
		For Class 56 Rating, Add	*2,342.77*	
40 05 19 00-2256	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,157.16	702.77
		For Class 52 Rating, Deduct	*-890.16*	
		For Class 54 Rating, Add	*1,226.63*	
		For Class 55 Rating, Add	*1,830.15*	
		For Class 56 Rating, Add	*2,425.58*	
40 05 19 00-2257	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,443.69	707.15
		For Class 52 Rating, Deduct	*-920.95*	
		For Class 54 Rating, Add	*1,268.69*	
		For Class 55 Rating, Add	*1,892.72*	
		For Class 56 Rating, Add	*2,508.38*	
40 05 19 00-2258	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,730.24	711.55
		For Class 52 Rating, Deduct	*-951.73*	
		For Class 54 Rating, Add	*1,310.76*	
		For Class 55 Rating, Add	*1,955.30*	
		For Class 56 Rating, Add	*2,591.19*	
40 05 19 00-2259	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,016.78	715.94
		For Class 52 Rating, Deduct	*-982.52*	
		For Class 54 Rating, Add	*1,352.82*	
		For Class 55 Rating, Add	*2,017.87*	
		For Class 56 Rating, Add	*2,674.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2260	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,300.27	720.33
		For Class 52 Rating, Deduct	*-1,012.97*	
		For Class 54 Rating, Add	*1,394.43*	
		For Class 55 Rating, Add	*2,079.77*	
		For Class 56 Rating, Add	*2,755.90*	
40 05 19 00-2261	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,589.86	724.72
		For Class 52 Rating, Deduct	*-1,044.10*	
		For Class 54 Rating, Add	*1,436.95*	
		For Class 55 Rating, Add	*2,143.02*	
		For Class 56 Rating, Add	*2,839.61*	
40 05 19 00-2262	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,876.40	729.12
		For Class 52 Rating, Deduct	*-1,074.88*	
		For Class 54 Rating, Add	*1,479.01*	
		For Class 55 Rating, Add	*2,205.60*	
		For Class 56 Rating, Add	*2,922.41*	
40 05 19 00-2263	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,162.94	733.51
		For Class 52 Rating, Deduct	*-1,105.67*	
		For Class 54 Rating, Add	*1,521.07*	
		For Class 55 Rating, Add	*2,268.17*	
		For Class 56 Rating, Add	*3,005.22*	
40 05 19 00-2264	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,449.48	737.90
		For Class 52 Rating, Deduct	*-1,136.46*	
		For Class 54 Rating, Add	*1,563.13*	
		For Class 55 Rating, Add	*2,330.75*	
		For Class 56 Rating, Add	*3,088.03*	
40 05 19 00-2265	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,736.02	742.29
		For Class 52 Rating, Deduct	*-1,167.25*	
		For Class 54 Rating, Add	*1,605.20*	
		For Class 55 Rating, Add	*2,393.32*	
		For Class 56 Rating, Add	*3,170.83*	
40 05 19 00-2266	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,022.57	746.69
		For Class 52 Rating, Deduct	*-1,198.03*	
		For Class 54 Rating, Add	*1,647.26*	
		For Class 55 Rating, Add	*2,455.89*	
		For Class 56 Rating, Add	*3,253.64*	
40 05 19 00-2267	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,309.11	751.08
		For Class 52 Rating, Deduct	*-1,228.82*	
		For Class 54 Rating, Add	*1,689.32*	
		For Class 55 Rating, Add	*2,518.47*	
		For Class 56 Rating, Add	*3,336.45*	
40 05 19 00-2268	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,595.64	755.47
		For Class 52 Rating, Deduct	*-1,259.61*	
		For Class 54 Rating, Add	*1,731.38*	
		For Class 55 Rating, Add	*2,581.04*	
		For Class 56 Rating, Add	*3,419.25*	
40 05 19 00-2269	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,882.19	759.86
		For Class 52 Rating, Deduct	*-1,290.40*	
		For Class 54 Rating, Add	*1,773.45*	
		For Class 55 Rating, Add	*2,643.62*	
		For Class 56 Rating, Add	*3,502.06*	
40 05 19 00-2270	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,168.73	764.26
		For Class 52 Rating, Deduct	*-1,321.18*	
		For Class 54 Rating, Add	*1,815.51*	
		For Class 55 Rating, Add	*2,706.19*	
		For Class 56 Rating, Add	*3,584.86*	
40 05 19 00-2271	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,455.27	768.65
		For Class 52 Rating, Deduct	*-1,351.97*	
		For Class 54 Rating, Add	*1,857.57*	
		For Class 55 Rating, Add	*2,768.77*	
		For Class 56 Rating, Add	*3,667.67*	
40 05 19 00-2272	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,741.82	773.04
		For Class 52 Rating, Deduct	*-1,382.76*	
		For Class 54 Rating, Add	*1,899.64*	
		For Class 55 Rating, Add	*2,831.34*	
		For Class 56 Rating, Add	*3,750.48*	
40 05 19 00-2273	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,028.35	777.44
		For Class 52 Rating, Deduct	*-1,413.55*	
		For Class 54 Rating, Add	*1,941.70*	
		For Class 55 Rating, Add	*2,893.91*	
		For Class 56 Rating, Add	*3,833.28*	
40 05 19 00-2274	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,314.89	781.83
		For Class 52 Rating, Deduct	*-1,444.33*	
		For Class 54 Rating, Add	*1,983.76*	
		For Class 55 Rating, Add	*2,956.49*	
		For Class 56 Rating, Add	*3,916.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2275		14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2276	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,589.23	737.90
		For Class 52 Rating, Deduct	*-381.83*	
		For Class 54 Rating, Add	*534.10*	
		For Class 55 Rating, Add	*800.91*	
		For Class 56 Rating, Add	*1,064.25*	
40 05 19 00-2277	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,936.62	742.29
		For Class 52 Rating, Deduct	*-419.31*	
		For Class 54 Rating, Add	*585.29*	
		For Class 55 Rating, Add	*877.05*	
		For Class 56 Rating, Add	*1,165.01*	
40 05 19 00-2278	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,284.01	746.69
		For Class 52 Rating, Deduct	*-456.79*	
		For Class 54 Rating, Add	*636.48*	
		For Class 55 Rating, Add	*953.20*	
		For Class 56 Rating, Add	*1,265.76*	
40 05 19 00-2279	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,631.39	751.08
		For Class 52 Rating, Deduct	*-494.27*	
		For Class 54 Rating, Add	*687.66*	
		For Class 55 Rating, Add	*1,029.34*	
		For Class 56 Rating, Add	*1,366.52*	
40 05 19 00-2280	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,978.77	755.47
		For Class 52 Rating, Deduct	*-531.75*	
		For Class 54 Rating, Add	*738.85*	
		For Class 55 Rating, Add	*1,105.48*	
		For Class 56 Rating, Add	*1,467.27*	
40 05 19 00-2281	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,326.16	759.86
		For Class 52 Rating, Deduct	*-569.23*	
		For Class 54 Rating, Add	*790.04*	
		For Class 55 Rating, Add	*1,181.62*	
		For Class 56 Rating, Add	*1,568.03*	
40 05 19 00-2282	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,673.55	764.26
		For Class 52 Rating, Deduct	*-606.71*	
		For Class 54 Rating, Add	*841.23*	
		For Class 55 Rating, Add	*1,257.77*	
		For Class 56 Rating, Add	*1,668.78*	
40 05 19 00-2283	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,020.93	768.65
		For Class 52 Rating, Deduct	*-644.19*	
		For Class 54 Rating, Add	*892.42*	
		For Class 55 Rating, Add	*1,333.91*	
		For Class 56 Rating, Add	*1,769.54*	
40 05 19 00-2284	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,368.32	773.04
		For Class 52 Rating, Deduct	*-681.67*	
		For Class 54 Rating, Add	*943.61*	
		For Class 55 Rating, Add	*1,410.05*	
		For Class 56 Rating, Add	*1,870.29*	
40 05 19 00-2285	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,715.70	777.44
		For Class 52 Rating, Deduct	*-719.15*	
		For Class 54 Rating, Add	*994.80*	
		For Class 55 Rating, Add	*1,486.19*	
		For Class 56 Rating, Add	*1,971.05*	
40 05 19 00-2286	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,063.08	781.83
		For Class 52 Rating, Deduct	*-756.64*	
		For Class 54 Rating, Add	*1,045.99*	
		For Class 55 Rating, Add	*1,562.34*	
		For Class 56 Rating, Add	*2,071.80*	
40 05 19 00-2287	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,410.48	786.22
		For Class 52 Rating, Deduct	*-794.12*	
		For Class 54 Rating, Add	*1,097.18*	
		For Class 55 Rating, Add	*1,638.48*	
		For Class 56 Rating, Add	*2,172.56*	
40 05 19 00-2288	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,757.87	790.61
		For Class 52 Rating, Deduct	*-831.60*	
		For Class 54 Rating, Add	*1,148.37*	
		For Class 55 Rating, Add	*1,714.62*	
		For Class 56 Rating, Add	*2,273.32*	
40 05 19 00-2289	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,105.25	795.01
		For Class 52 Rating, Deduct	*-869.08*	
		For Class 54 Rating, Add	*1,199.56*	
		For Class 55 Rating, Add	*1,790.77*	
		For Class 56 Rating, Add	*2,374.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2290	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,452.63	799.40
		For Class 52 Rating, Deduct	*-906.56*	
		For Class 54 Rating, Add	*1,250.75*	
		For Class 55 Rating, Add	*1,866.91*	
		For Class 56 Rating, Add	*2,474.83*	
40 05 19 00-2291	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,800.03	803.79
		For Class 52 Rating, Deduct	*-944.04*	
		For Class 54 Rating, Add	*1,301.94*	
		For Class 55 Rating, Add	*1,943.05*	
		For Class 56 Rating, Add	*2,575.58*	
40 05 19 00-2292	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,147.41	808.18
		For Class 52 Rating, Deduct	*-981.52*	
		For Class 54 Rating, Add	*1,353.13*	
		For Class 55 Rating, Add	*2,019.19*	
		For Class 56 Rating, Add	*2,676.34*	
40 05 19 00-2293	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,494.79	812.58
		For Class 52 Rating, Deduct	*-1,019.00*	
		For Class 54 Rating, Add	*1,404.32*	
		For Class 55 Rating, Add	*2,095.34*	
		For Class 56 Rating, Add	*2,777.09*	
40 05 19 00-2294	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,842.17	816.96
		For Class 52 Rating, Deduct	*-1,056.48*	
		For Class 54 Rating, Add	*1,455.51*	
		For Class 55 Rating, Add	*2,171.48*	
		For Class 56 Rating, Add	*2,877.84*	
40 05 19 00-2295	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,189.56	821.36
		For Class 52 Rating, Deduct	*-1,093.96*	
		For Class 54 Rating, Add	*1,506.70*	
		For Class 55 Rating, Add	*2,247.62*	
		For Class 56 Rating, Add	*2,978.60*	
40 05 19 00-2296	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,536.95	825.75
		For Class 52 Rating, Deduct	*-1,131.44*	
		For Class 54 Rating, Add	*1,557.89*	
		For Class 55 Rating, Add	*2,323.76*	
		For Class 56 Rating, Add	*3,079.35*	
40 05 19 00-2297	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,884.33	830.15
		For Class 52 Rating, Deduct	*-1,168.92*	
		For Class 54 Rating, Add	*1,609.07*	
		For Class 55 Rating, Add	*2,399.91*	
		For Class 56 Rating, Add	*3,180.11*	
40 05 19 00-2298	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,231.72	834.53
		For Class 52 Rating, Deduct	*-1,206.40*	
		For Class 54 Rating, Add	*1,660.27*	
		For Class 55 Rating, Add	*2,476.05*	
		For Class 56 Rating, Add	*3,280.87*	
40 05 19 00-2299	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,579.11	838.93
		For Class 52 Rating, Deduct	*-1,243.88*	
		For Class 54 Rating, Add	*1,711.45*	
		For Class 55 Rating, Add	*2,552.19*	
		For Class 56 Rating, Add	*3,381.62*	
40 05 19 00-2300	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,926.49	843.32
		For Class 52 Rating, Deduct	*-1,281.36*	
		For Class 54 Rating, Add	*1,762.64*	
		For Class 55 Rating, Add	*2,628.34*	
		For Class 56 Rating, Add	*3,482.38*	
40 05 19 00-2301	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,273.88	847.71
		For Class 52 Rating, Deduct	*-1,318.84*	
		For Class 54 Rating, Add	*1,813.83*	
		For Class 55 Rating, Add	*2,704.48*	
		For Class 56 Rating, Add	*3,583.13*	
40 05 19 00-2302	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,621.27	852.10
		For Class 52 Rating, Deduct	*-1,356.32*	
		For Class 54 Rating, Add	*1,865.02*	
		For Class 55 Rating, Add	*2,780.62*	
		For Class 56 Rating, Add	*3,683.89*	
40 05 19 00-2303	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,968.65	856.50
		For Class 52 Rating, Deduct	*-1,393.80*	
		For Class 54 Rating, Add	*1,916.21*	
		For Class 55 Rating, Add	*2,856.76*	
		For Class 56 Rating, Add	*3,784.64*	
40 05 19 00-2304	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,316.03	860.89
		For Class 52 Rating, Deduct	*-1,431.28*	
		For Class 54 Rating, Add	*1,967.40*	
		For Class 55 Rating, Add	*2,932.91*	
		For Class 56 Rating, Add	*3,885.40*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2305	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,663.42	865.28
		For Class 52 Rating, Deduct	*-1,468.76*	
		For Class 54 Rating, Add	*2,018.59*	
		For Class 55 Rating, Add	*3,009.05*	
		For Class 56 Rating, Add	*3,986.15*	
40 05 19 00-2306	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,010.81	869.67
		For Class 52 Rating, Deduct	*-1,506.24*	
		For Class 54 Rating, Add	*2,069.78*	
		For Class 55 Rating, Add	*3,085.19*	
		For Class 56 Rating, Add	*4,086.91*	
40 05 19 00-2307	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,358.19	874.07
		For Class 52 Rating, Deduct	*-1,543.72*	
		For Class 54 Rating, Add	*2,120.97*	
		For Class 55 Rating, Add	*3,161.33*	
		For Class 56 Rating, Add	*4,187.66*	
40 05 19 00-2308	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,705.57	878.45
		For Class 52 Rating, Deduct	*-1,581.20*	
		For Class 54 Rating, Add	*2,172.16*	
		For Class 55 Rating, Add	*3,237.48*	
		For Class 56 Rating, Add	*4,288.42*	
40 05 19 00-2309	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,052.96	882.85
		For Class 52 Rating, Deduct	*-1,618.68*	
		For Class 54 Rating, Add	*2,223.35*	
		For Class 55 Rating, Add	*3,313.62*	
		For Class 56 Rating, Add	*4,389.17*	
40 05 19 00-2310	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,400.36	887.24
		For Class 52 Rating, Deduct	*-1,656.17*	
		For Class 54 Rating, Add	*2,274.54*	
		For Class 55 Rating, Add	*3,389.76*	
		For Class 56 Rating, Add	*4,489.93*	
40 05 19 00-2311	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,747.74	891.64
		For Class 52 Rating, Deduct	*-1,693.65*	
		For Class 54 Rating, Add	*2,325.73*	
		For Class 55 Rating, Add	*3,465.90*	
		For Class 56 Rating, Add	*4,590.68*	
40 05 19 00-2312	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,095.12	896.02
		For Class 52 Rating, Deduct	*-1,731.13*	
		For Class 54 Rating, Add	*2,376.92*	
		For Class 55 Rating, Add	*3,542.05*	
		For Class 56 Rating, Add	*4,691.44*	
40 05 19 00-2313	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,442.51	900.42
		For Class 52 Rating, Deduct	*-1,768.61*	
		For Class 54 Rating, Add	*2,428.11*	
		For Class 55 Rating, Add	*3,618.19*	
		For Class 56 Rating, Add	*4,792.19*	

40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2315	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,384.77	843.32
		For Class 52 Rating, Deduct	*-451.77*	
		For Class 54 Rating, Add	*631.39*	
		For Class 55 Rating, Add	*946.53*	
		For Class 56 Rating, Add	*1,257.57*	
40 05 19 00-2316	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,786.93	847.71
		For Class 52 Rating, Deduct	*-495.28*	
		For Class 54 Rating, Add	*690.79*	
		For Class 55 Rating, Add	*1,034.89*	
		For Class 56 Rating, Add	*1,374.48*	
40 05 19 00-2317	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,189.08	852.10
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*750.19*	
		For Class 55 Rating, Add	*1,123.24*	
		For Class 56 Rating, Add	*1,491.39*	
40 05 19 00-2318	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,591.22	856.50
		For Class 52 Rating, Deduct	*-582.29*	
		For Class 54 Rating, Add	*809.60*	
		For Class 55 Rating, Add	*1,211.60*	
		For Class 56 Rating, Add	*1,608.30*	
40 05 19 00-2319	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,993.36	860.89
		For Class 52 Rating, Deduct	*-625.79*	
		For Class 54 Rating, Add	*869.00*	
		For Class 55 Rating, Add	*1,299.95*	
		For Class 56 Rating, Add	*1,725.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2320	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,395.51	865.28
		For Class 52 Rating, Deduct	*-669.29*	
		For Class 54 Rating, Add	*928.40*	
		For Class 55 Rating, Add	*1,388.30*	
		For Class 56 Rating, Add	*1,842.12*	
40 05 19 00-2321	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,797.66	869.67
		For Class 52 Rating, Deduct	*-712.80*	
		For Class 54 Rating, Add	*987.81*	
		For Class 55 Rating, Add	*1,476.66*	
		For Class 56 Rating, Add	*1,959.03*	
40 05 19 00-2322	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,199.80	874.07
		For Class 52 Rating, Deduct	*-756.30*	
		For Class 54 Rating, Add	*1,047.21*	
		For Class 55 Rating, Add	*1,565.01*	
		For Class 56 Rating, Add	*2,075.94*	
40 05 19 00-2323	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,601.94	878.45
		For Class 52 Rating, Deduct	*-799.80*	
		For Class 54 Rating, Add	*1,106.61*	
		For Class 55 Rating, Add	*1,653.37*	
		For Class 56 Rating, Add	*2,192.85*	
40 05 19 00-2324	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,004.09	882.85
		For Class 52 Rating, Deduct	*-843.31*	
		For Class 54 Rating, Add	*1,166.02*	
		For Class 55 Rating, Add	*1,741.72*	
		For Class 56 Rating, Add	*2,309.76*	
40 05 19 00-2325	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,406.25	887.24
		For Class 52 Rating, Deduct	*-886.81*	
		For Class 54 Rating, Add	*1,225.42*	
		For Class 55 Rating, Add	*1,830.08*	
		For Class 56 Rating, Add	*2,426.67*	
40 05 19 00-2326	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,808.39	891.64
		For Class 52 Rating, Deduct	*-930.32*	
		For Class 54 Rating, Add	*1,284.83*	
		For Class 55 Rating, Add	*1,918.43*	
		For Class 56 Rating, Add	*2,543.58*	
40 05 19 00-2327	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,210.53	896.02
		For Class 52 Rating, Deduct	*-973.82*	
		For Class 54 Rating, Add	*1,344.23*	
		For Class 55 Rating, Add	*2,006.78*	
		For Class 56 Rating, Add	*2,660.49*	
40 05 19 00-2328	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,612.68	900.42
		For Class 52 Rating, Deduct	*-1,017.33*	
		For Class 54 Rating, Add	*1,403.63*	
		For Class 55 Rating, Add	*2,095.14*	
		For Class 56 Rating, Add	*2,777.39*	
40 05 19 00-2329	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,014.82	904.81
		For Class 52 Rating, Deduct	*-1,060.83*	
		For Class 54 Rating, Add	*1,463.04*	
		For Class 55 Rating, Add	*2,183.49*	
		For Class 56 Rating, Add	*2,894.30*	
40 05 19 00-2330	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,416.97	909.21
		For Class 52 Rating, Deduct	*-1,104.33*	
		For Class 54 Rating, Add	*1,522.44*	
		For Class 55 Rating, Add	*2,271.85*	
		For Class 56 Rating, Add	*3,011.21*	
40 05 19 00-2331	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,819.12	913.59
		For Class 52 Rating, Deduct	*-1,147.84*	
		For Class 54 Rating, Add	*1,581.84*	
		For Class 55 Rating, Add	*2,360.20*	
		For Class 56 Rating, Add	*3,128.12*	
40 05 19 00-2332	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,221.26	917.99
		For Class 52 Rating, Deduct	*-1,191.34*	
		For Class 54 Rating, Add	*1,641.25*	
		For Class 55 Rating, Add	*2,448.55*	
		For Class 56 Rating, Add	*3,245.03*	
40 05 19 00-2333	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,623.41	922.38
		For Class 52 Rating, Deduct	*-1,234.85*	
		For Class 54 Rating, Add	*1,700.65*	
		For Class 55 Rating, Add	*2,536.91*	
		For Class 56 Rating, Add	*3,361.94*	
40 05 19 00-2334	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,025.56	926.77
		For Class 52 Rating, Deduct	*-1,278.35*	
		For Class 54 Rating, Add	*1,760.05*	
		For Class 55 Rating, Add	*2,625.26*	
		For Class 56 Rating, Add	*3,478.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2335	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,427.71	931.16
		For Class 52 Rating, Deduct	*-1,321.85*	
		For Class 54 Rating, Add	*1,819.46*	
		For Class 55 Rating, Add	*2,713.62*	
		For Class 56 Rating, Add	*3,595.76*	
40 05 19 00-2336	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,829.85	935.56
		For Class 52 Rating, Deduct	*-1,365.36*	
		For Class 54 Rating, Add	*1,878.86*	
		For Class 55 Rating, Add	*2,801.97*	
		For Class 56 Rating, Add	*3,712.67*	
40 05 19 00-2337	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,231.99	939.95
		For Class 52 Rating, Deduct	*-1,408.86*	
		For Class 54 Rating, Add	*1,938.26*	
		For Class 55 Rating, Add	*2,890.33*	
		For Class 56 Rating, Add	*3,829.58*	
40 05 19 00-2338	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,634.14	944.34
		For Class 52 Rating, Deduct	*-1,452.37*	
		For Class 54 Rating, Add	*1,997.67*	
		For Class 55 Rating, Add	*2,978.68*	
		For Class 56 Rating, Add	*3,946.49*	
40 05 19 00-2339	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,036.29	948.73
		For Class 52 Rating, Deduct	*-1,495.87*	
		For Class 54 Rating, Add	*2,057.07*	
		For Class 55 Rating, Add	*3,067.03*	
		For Class 56 Rating, Add	*4,063.40*	
40 05 19 00-2340	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,438.43	953.13
		For Class 52 Rating, Deduct	*-1,539.37*	
		For Class 54 Rating, Add	*2,116.47*	
		For Class 55 Rating, Add	*3,155.39*	
		For Class 56 Rating, Add	*4,180.31*	
40 05 19 00-2341	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,840.58	957.52
		For Class 52 Rating, Deduct	*-1,582.88*	
		For Class 54 Rating, Add	*2,175.88*	
		For Class 55 Rating, Add	*3,243.74*	
		For Class 56 Rating, Add	*4,297.22*	
40 05 19 00-2342	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,242.73	961.91
		For Class 52 Rating, Deduct	*-1,626.38*	
		For Class 54 Rating, Add	*2,235.28*	
		For Class 55 Rating, Add	*3,332.10*	
		For Class 56 Rating, Add	*4,414.13*	
40 05 19 00-2343	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,644.88	966.30
		For Class 52 Rating, Deduct	*-1,669.89*	
		For Class 54 Rating, Add	*2,294.69*	
		For Class 55 Rating, Add	*3,420.45*	
		For Class 56 Rating, Add	*4,531.04*	
40 05 19 00-2344	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,047.02	970.70
		For Class 52 Rating, Deduct	*-1,713.39*	
		For Class 54 Rating, Add	*2,354.09*	
		For Class 55 Rating, Add	*3,508.81*	
		For Class 56 Rating, Add	*4,647.95*	
40 05 19 00-2345	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,449.16	975.08
		For Class 52 Rating, Deduct	*-1,756.89*	
		For Class 54 Rating, Add	*2,413.49*	
		For Class 55 Rating, Add	*3,597.16*	
		For Class 56 Rating, Add	*4,764.86*	
40 05 19 00-2346	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,851.31	979.48
		For Class 52 Rating, Deduct	*-1,800.40*	
		For Class 54 Rating, Add	*2,472.90*	
		For Class 55 Rating, Add	*3,685.51*	
		For Class 56 Rating, Add	*4,881.76*	
40 05 19 00-2347	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,253.45	983.87
		For Class 52 Rating, Deduct	*-1,843.90*	
		For Class 54 Rating, Add	*2,532.30*	
		For Class 55 Rating, Add	*3,773.87*	
		For Class 56 Rating, Add	*4,998.67*	
40 05 19 00-2348	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,655.60	988.27
		For Class 52 Rating, Deduct	*-1,887.41*	
		For Class 54 Rating, Add	*2,591.70*	
		For Class 55 Rating, Add	*3,862.22*	
		For Class 56 Rating, Add	*5,115.58*	
40 05 19 00-2349	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,057.75	992.65
		For Class 52 Rating, Deduct	*-1,930.91*	
		For Class 54 Rating, Add	*2,651.11*	
		For Class 55 Rating, Add	*3,950.58*	
		For Class 56 Rating, Add	*5,232.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2350	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,459.90	997.05
		For Class 52 Rating, Deduct	*-1,974.41*	
		For Class 54 Rating, Add	*2,710.51*	
		For Class 55 Rating, Add	*4,038.93*	
		For Class 56 Rating, Add	*5,349.40*	
40 05 19 00-2351	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,862.04	1,001.44
		For Class 52 Rating, Deduct	*-2,017.92*	
		For Class 54 Rating, Add	*2,769.91*	
		For Class 55 Rating, Add	*4,127.29*	
		For Class 56 Rating, Add	*5,466.31*	
40 05 19 00-2352	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,264.18	1,005.83
		For Class 52 Rating, Deduct	*-2,061.42*	
		For Class 54 Rating, Add	*2,829.32*	
		For Class 55 Rating, Add	*4,215.64*	
		For Class 56 Rating, Add	*5,583.22*	

40 05 19 00-2353 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2354	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,277.30	950.49
		For Class 52 Rating, Deduct	*-532.09*	
		For Class 54 Rating, Add	*742.86*	
		For Class 55 Rating, Add	*1,113.25*	
		For Class 56 Rating, Add	*1,478.81*	
40 05 19 00-2355	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,740.29	954.88
		For Class 52 Rating, Deduct	*-582.29*	
		For Class 54 Rating, Add	*811.39*	
		For Class 55 Rating, Add	*1,215.17*	
		For Class 56 Rating, Add	*1,613.67*	
40 05 19 00-2356	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,203.27	959.27
		For Class 52 Rating, Deduct	*-632.48*	
		For Class 54 Rating, Add	*879.92*	
		For Class 55 Rating, Add	*1,317.09*	
		For Class 56 Rating, Add	*1,748.52*	
40 05 19 00-2357	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,666.28	963.67
		For Class 52 Rating, Deduct	*-682.68*	
		For Class 54 Rating, Add	*948.45*	
		For Class 55 Rating, Add	*1,419.02*	
		For Class 56 Rating, Add	*1,883.38*	
40 05 19 00-2358	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,129.27	968.06
		For Class 52 Rating, Deduct	*-732.88*	
		For Class 54 Rating, Add	*1,016.98*	
		For Class 55 Rating, Add	*1,520.94*	
		For Class 56 Rating, Add	*2,018.24*	
40 05 19 00-2359	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,592.25	972.45
		For Class 52 Rating, Deduct	*-783.07*	
		For Class 54 Rating, Add	*1,085.51*	
		For Class 55 Rating, Add	*1,622.86*	
		For Class 56 Rating, Add	*2,153.10*	
40 05 19 00-2360	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,055.24	976.84
		For Class 52 Rating, Deduct	*-833.27*	
		For Class 54 Rating, Add	*1,154.04*	
		For Class 55 Rating, Add	*1,724.79*	
		For Class 56 Rating, Add	*2,287.96*	
40 05 19 00-2361	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,518.23	981.24
		For Class 52 Rating, Deduct	*-883.47*	
		For Class 54 Rating, Add	*1,222.57*	
		For Class 55 Rating, Add	*1,826.71*	
		For Class 56 Rating, Add	*2,422.82*	
40 05 19 00-2362	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,981.23	985.63
		For Class 52 Rating, Deduct	*-933.66*	
		For Class 54 Rating, Add	*1,291.10*	
		For Class 55 Rating, Add	*1,928.63*	
		For Class 56 Rating, Add	*2,557.68*	
40 05 19 00-2363	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,444.22	990.02
		For Class 52 Rating, Deduct	*-983.86*	
		For Class 54 Rating, Add	*1,359.63*	
		For Class 55 Rating, Add	*2,030.56*	
		For Class 56 Rating, Add	*2,692.54*	
40 05 19 00-2364	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,907.21	994.41
		For Class 52 Rating, Deduct	*-1,034.06*	
		For Class 54 Rating, Add	*1,428.16*	
		For Class 55 Rating, Add	*2,132.48*	
		For Class 56 Rating, Add	*2,827.39*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2365	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,370.20	998.81
		For Class 52 Rating, Deduct	*-1,084.25*	
		For Class 54 Rating, Add	*1,496.69*	
		For Class 55 Rating, Add	*2,234.40*	
		For Class 56 Rating, Add	*2,962.25*	
40 05 19 00-2366	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,833.19	1,003.19
		For Class 52 Rating, Deduct	*-1,134.45*	
		For Class 54 Rating, Add	*1,565.22*	
		For Class 55 Rating, Add	*2,336.32*	
		For Class 56 Rating, Add	*3,097.11*	
40 05 19 00-2367	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,296.18	1,007.59
		For Class 52 Rating, Deduct	*-1,184.65*	
		For Class 54 Rating, Add	*1,633.75*	
		For Class 55 Rating, Add	*2,438.24*	
		For Class 56 Rating, Add	*3,231.97*	
40 05 19 00-2368	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,759.18	1,011.98
		For Class 52 Rating, Deduct	*-1,234.85*	
		For Class 54 Rating, Add	*1,702.28*	
		For Class 55 Rating, Add	*2,540.17*	
		For Class 56 Rating, Add	*3,366.83*	
40 05 19 00-2369	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,222.16	1,016.38
		For Class 52 Rating, Deduct	*-1,285.04*	
		For Class 54 Rating, Add	*1,770.81*	
		For Class 55 Rating, Add	*2,642.09*	
		For Class 56 Rating, Add	*3,501.69*	
40 05 19 00-2370	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,685.15	1,020.76
		For Class 52 Rating, Deduct	*-1,335.24*	
		For Class 54 Rating, Add	*1,839.34*	
		For Class 55 Rating, Add	*2,744.01*	
		For Class 56 Rating, Add	*3,636.55*	
40 05 19 00-2371	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,148.14	1,025.16
		For Class 52 Rating, Deduct	*-1,385.44*	
		For Class 54 Rating, Add	*1,907.87*	
		For Class 55 Rating, Add	*2,845.93*	
		For Class 56 Rating, Add	*3,771.40*	
40 05 19 00-2372	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,611.14	1,029.55
		For Class 52 Rating, Deduct	*-1,435.63*	
		For Class 54 Rating, Add	*1,976.40*	
		For Class 55 Rating, Add	*2,947.86*	
		For Class 56 Rating, Add	*3,906.26*	
40 05 19 00-2373	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,074.13	1,033.94
		For Class 52 Rating, Deduct	*-1,485.83*	
		For Class 54 Rating, Add	*2,044.93*	
		For Class 55 Rating, Add	*3,049.78*	
		For Class 56 Rating, Add	*4,041.12*	
40 05 19 00-2374	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,537.11	1,038.33
		For Class 52 Rating, Deduct	*-1,536.03*	
		For Class 54 Rating, Add	*2,113.46*	
		For Class 55 Rating, Add	*3,151.70*	
		For Class 56 Rating, Add	*4,175.98*	
40 05 19 00-2375	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,000.11	1,042.73
		For Class 52 Rating, Deduct	*-1,586.22*	
		For Class 54 Rating, Add	*2,181.99*	
		For Class 55 Rating, Add	*3,253.63*	
		For Class 56 Rating, Add	*4,310.84*	
40 05 19 00-2376	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,463.10	1,047.12
		For Class 52 Rating, Deduct	*-1,636.42*	
		For Class 54 Rating, Add	*2,250.52*	
		For Class 55 Rating, Add	*3,355.55*	
		For Class 56 Rating, Add	*4,445.70*	
40 05 19 00-2377	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,926.09	1,051.51
		For Class 52 Rating, Deduct	*-1,686.62*	
		For Class 54 Rating, Add	*2,319.05*	
		For Class 55 Rating, Add	*3,457.47*	
		For Class 56 Rating, Add	*4,580.56*	
40 05 19 00-2378	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,389.08	1,055.90
		For Class 52 Rating, Deduct	*-1,736.82*	
		For Class 54 Rating, Add	*2,387.58*	
		For Class 55 Rating, Add	*3,559.39*	
		For Class 56 Rating, Add	*4,715.42*	
40 05 19 00-2379	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,852.07	1,060.30
		For Class 52 Rating, Deduct	*-1,787.01*	
		For Class 54 Rating, Add	*2,456.11*	
		For Class 55 Rating, Add	*3,661.32*	
		For Class 56 Rating, Add	*4,850.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2380	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,315.07	1,064.69
		For Class 52 Rating, Deduct	*-1,837.21*	
		For Class 54 Rating, Add	*2,524.64*	
		For Class 55 Rating, Add	*3,763.24*	
		For Class 56 Rating, Add	*4,985.13*	
40 05 19 00-2381	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,778.05	1,069.08
		For Class 52 Rating, Deduct	*-1,887.41*	
		For Class 54 Rating, Add	*2,593.17*	
		For Class 55 Rating, Add	*3,865.16*	
		For Class 56 Rating, Add	*5,119.99*	
40 05 19 00-2382	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,241.05	1,073.47
		For Class 52 Rating, Deduct	*-1,937.60*	
		For Class 54 Rating, Add	*2,661.70*	
		For Class 55 Rating, Add	*3,967.08*	
		For Class 56 Rating, Add	*5,254.85*	
40 05 19 00-2383	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,704.04	1,077.87
		For Class 52 Rating, Deduct	*-1,987.80*	
		For Class 54 Rating, Add	*2,730.23*	
		For Class 55 Rating, Add	*4,069.01*	
		For Class 56 Rating, Add	*5,389.71*	
40 05 19 00-2384	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,167.02	1,082.25
		For Class 52 Rating, Deduct	*-2,038.00*	
		For Class 54 Rating, Add	*2,798.76*	
		For Class 55 Rating, Add	*4,170.93*	
		For Class 56 Rating, Add	*5,524.57*	
40 05 19 00-2385	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,630.02	1,086.65
		For Class 52 Rating, Deduct	*-2,088.19*	
		For Class 54 Rating, Add	*2,867.29*	
		For Class 55 Rating, Add	*4,272.85*	
		For Class 56 Rating, Add	*5,659.43*	
40 05 19 00-2386	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,093.01	1,091.04
		For Class 52 Rating, Deduct	*-2,138.39*	
		For Class 54 Rating, Add	*2,935.82*	
		For Class 55 Rating, Add	*4,374.77*	
		For Class 56 Rating, Add	*5,794.29*	
40 05 19 00-2387	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,556.00	1,095.44
		For Class 52 Rating, Deduct	*-2,188.59*	
		For Class 54 Rating, Add	*3,004.35*	
		For Class 55 Rating, Add	*4,476.70*	
		For Class 56 Rating, Add	*5,929.14*	
40 05 19 00-2388	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,018.99	1,099.82
		For Class 52 Rating, Deduct	*-2,238.78*	
		For Class 54 Rating, Add	*3,072.89*	
		For Class 55 Rating, Add	*4,578.62*	
		For Class 56 Rating, Add	*6,064.00*	
40 05 19 00-2389	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,481.98	1,104.22
		For Class 52 Rating, Deduct	*-2,288.98*	
		For Class 54 Rating, Add	*3,141.41*	
		For Class 55 Rating, Add	*4,680.54*	
		For Class 56 Rating, Add	*6,198.86*	
40 05 19 00-2390	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,944.98	1,108.61
		For Class 52 Rating, Deduct	*-2,339.18*	
		For Class 54 Rating, Add	*3,209.95*	
		For Class 55 Rating, Add	*4,782.47*	
		For Class 56 Rating, Add	*6,333.72*	
40 05 19 00-2391	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,407.96	1,113.00
		For Class 52 Rating, Deduct	*-2,389.37*	
		For Class 54 Rating, Add	*3,278.47*	
		For Class 55 Rating, Add	*4,884.39*	
		For Class 56 Rating, Add	*6,468.58*	

40 05 19 00-2392 20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2393	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,347.98	1,084.89
		For Class 52 Rating, Deduct	*-627.46*	
		For Class 54 Rating, Add	*875.36*	
		For Class 55 Rating, Add	*1,311.49*	
		For Class 56 Rating, Add	*1,741.92*	
40 05 19 00-2394	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,874.86	1,089.28
		For Class 52 Rating, Deduct	*-684.69*	
		For Class 54 Rating, Add	*953.47*	
		For Class 55 Rating, Add	*1,427.66*	
		For Class 56 Rating, Add	*1,895.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2395	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,401.74	1,093.68
		For Class 52 Rating, Deduct	*-741.91*	
		For Class 54 Rating, Add	*1,031.58*	
		For Class 55 Rating, Add	*1,543.83*	
		For Class 56 Rating, Add	*2,049.33*	
40 05 19 00-2396	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,928.61	1,098.07
		For Class 52 Rating, Deduct	*-799.14*	
		For Class 54 Rating, Add	*1,109.70*	
		For Class 55 Rating, Add	*1,660.00*	
		For Class 56 Rating, Add	*2,203.03*	
40 05 19 00-2397	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,455.49	1,102.46
		For Class 52 Rating, Deduct	*-856.36*	
		For Class 54 Rating, Add	*1,187.81*	
		For Class 55 Rating, Add	*1,776.16*	
		For Class 56 Rating, Add	*2,356.74*	
40 05 19 00-2398	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,982.37	1,106.85
		For Class 52 Rating, Deduct	*-913.59*	
		For Class 54 Rating, Add	*1,265.92*	
		For Class 55 Rating, Add	*1,892.34*	
		For Class 56 Rating, Add	*2,510.44*	
40 05 19 00-2399	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,509.25	1,111.25
		For Class 52 Rating, Deduct	*-970.81*	
		For Class 54 Rating, Add	*1,344.04*	
		For Class 55 Rating, Add	*2,008.50*	
		For Class 56 Rating, Add	*2,664.15*	
40 05 19 00-2400	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,036.12	1,115.64
		For Class 52 Rating, Deduct	*-1,028.03*	
		For Class 54 Rating, Add	*1,422.15*	
		For Class 55 Rating, Add	*2,124.67*	
		For Class 56 Rating, Add	*2,817.85*	
40 05 19 00-2401	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,563.00	1,120.03
		For Class 52 Rating, Deduct	*-1,085.26*	
		For Class 54 Rating, Add	*1,500.26*	
		For Class 55 Rating, Add	*2,240.84*	
		For Class 56 Rating, Add	*2,971.56*	
40 05 19 00-2402	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,089.88	1,124.42
		For Class 52 Rating, Deduct	*-1,142.48*	
		For Class 54 Rating, Add	*1,578.38*	
		For Class 55 Rating, Add	*2,357.01*	
		For Class 56 Rating, Add	*3,125.26*	
40 05 19 00-2403	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,616.75	1,128.82
		For Class 52 Rating, Deduct	*-1,199.71*	
		For Class 54 Rating, Add	*1,656.49*	
		For Class 55 Rating, Add	*2,473.18*	
		For Class 56 Rating, Add	*3,278.97*	
40 05 19 00-2404	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,143.64	1,133.20
		For Class 52 Rating, Deduct	*-1,256.93*	
		For Class 54 Rating, Add	*1,734.60*	
		For Class 55 Rating, Add	*2,589.35*	
		For Class 56 Rating, Add	*3,432.67*	
40 05 19 00-2405	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,670.52	1,137.60
		For Class 52 Rating, Deduct	*-1,314.16*	
		For Class 54 Rating, Add	*1,812.72*	
		For Class 55 Rating, Add	*2,705.52*	
		For Class 56 Rating, Add	*3,586.38*	
40 05 19 00-2406	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,197.39	1,141.99
		For Class 52 Rating, Deduct	*-1,371.38*	
		For Class 54 Rating, Add	*1,890.83*	
		For Class 55 Rating, Add	*2,821.69*	
		For Class 56 Rating, Add	*3,740.08*	
40 05 19 00-2407	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,724.26	1,146.39
		For Class 52 Rating, Deduct	*-1,428.61*	
		For Class 54 Rating, Add	*1,968.94*	
		For Class 55 Rating, Add	*2,937.86*	
		For Class 56 Rating, Add	*3,893.79*	
40 05 19 00-2408	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,251.16	1,150.77
		For Class 52 Rating, Deduct	*-1,485.83*	
		For Class 54 Rating, Add	*2,047.06*	
		For Class 55 Rating, Add	*3,054.03*	
		For Class 56 Rating, Add	*4,047.50*	
40 05 19 00-2409	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,778.03	1,155.17
		For Class 52 Rating, Deduct	*-1,543.05*	
		For Class 54 Rating, Add	*2,125.17*	
		For Class 55 Rating, Add	*3,170.20*	
		For Class 56 Rating, Add	*4,201.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2410	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,304.90	1,159.57
		For Class 52 Rating, Deduct	*-1,600.28*	
		For Class 54 Rating, Add	*2,203.28*	
		For Class 55 Rating, Add	*3,286.37*	
		For Class 56 Rating, Add	*4,354.91*	
40 05 19 00-2411	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,831.78	1,163.95
		For Class 52 Rating, Deduct	*-1,657.50*	
		For Class 54 Rating, Add	*2,281.39*	
		For Class 55 Rating, Add	*3,402.54*	
		For Class 56 Rating, Add	*4,508.61*	
40 05 19 00-2412	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,358.66	1,168.35
		For Class 52 Rating, Deduct	*-1,714.73*	
		For Class 54 Rating, Add	*2,359.51*	
		For Class 55 Rating, Add	*3,518.71*	
		For Class 56 Rating, Add	*4,662.32*	
40 05 19 00-2413	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,885.54	1,172.74
		For Class 52 Rating, Deduct	*-1,771.95*	
		For Class 54 Rating, Add	*2,437.62*	
		For Class 55 Rating, Add	*3,634.88*	
		For Class 56 Rating, Add	*4,816.02*	
40 05 19 00-2414	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,412.41	1,177.14
		For Class 52 Rating, Deduct	*-1,829.18*	
		For Class 54 Rating, Add	*2,515.73*	
		For Class 55 Rating, Add	*3,751.04*	
		For Class 56 Rating, Add	*4,969.73*	
40 05 19 00-2415	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,939.30	1,181.52
		For Class 52 Rating, Deduct	*-1,886.40*	
		For Class 54 Rating, Add	*2,593.85*	
		For Class 55 Rating, Add	*3,867.22*	
		For Class 56 Rating, Add	*5,123.43*	
40 05 19 00-2416	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,466.17	1,185.92
		For Class 52 Rating, Deduct	*-1,943.63*	
		For Class 54 Rating, Add	*2,671.96*	
		For Class 55 Rating, Add	*3,983.38*	
		For Class 56 Rating, Add	*5,277.14*	
40 05 19 00-2417	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,993.05	1,190.31
		For Class 52 Rating, Deduct	*-2,000.85*	
		For Class 54 Rating, Add	*2,750.07*	
		For Class 55 Rating, Add	*4,099.55*	
		For Class 56 Rating, Add	*5,430.84*	
40 05 19 00-2418	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,519.94	1,194.71
		For Class 52 Rating, Deduct	*-2,058.08*	
		For Class 54 Rating, Add	*2,828.19*	
		For Class 55 Rating, Add	*4,215.72*	
		For Class 56 Rating, Add	*5,584.55*	
40 05 19 00-2419	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,046.81	1,199.09
		For Class 52 Rating, Deduct	*-2,115.30*	
		For Class 54 Rating, Add	*2,906.30*	
		For Class 55 Rating, Add	*4,331.89*	
		For Class 56 Rating, Add	*5,738.26*	
40 05 19 00-2420	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,573.68	1,203.49
		For Class 52 Rating, Deduct	*-2,172.52*	
		For Class 54 Rating, Add	*2,984.41*	
		For Class 55 Rating, Add	*4,448.06*	
		For Class 56 Rating, Add	*5,891.96*	
40 05 19 00-2421	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,100.56	1,207.88
		For Class 52 Rating, Deduct	*-2,229.75*	
		For Class 54 Rating, Add	*3,062.53*	
		For Class 55 Rating, Add	*4,564.23*	
		For Class 56 Rating, Add	*6,045.67*	
40 05 19 00-2422	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,627.45	1,212.27
		For Class 52 Rating, Deduct	*-2,286.97*	
		For Class 54 Rating, Add	*3,140.64*	
		For Class 55 Rating, Add	*4,680.40*	
		For Class 56 Rating, Add	*6,199.37*	
40 05 19 00-2423	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,154.32	1,216.66
		For Class 52 Rating, Deduct	*-2,344.20*	
		For Class 54 Rating, Add	*3,218.75*	
		For Class 55 Rating, Add	*4,796.57*	
		For Class 56 Rating, Add	*6,353.08*	
40 05 19 00-2424	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,681.19	1,221.06
		For Class 52 Rating, Deduct	*-2,401.42*	
		For Class 54 Rating, Add	*3,296.87*	
		For Class 55 Rating, Add	*4,912.74*	
		For Class 56 Rating, Add	*6,506.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2425	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,208.08	1,225.45
		For Class 52 Rating, Deduct	*-2,458.65*	
		For Class 54 Rating, Add	*3,374.98*	
		For Class 55 Rating, Add	*5,028.91*	
		For Class 56 Rating, Add	*6,660.49*	
40 05 19 00-2426	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,734.95	1,229.84
		For Class 52 Rating, Deduct	*-2,515.87*	
		For Class 54 Rating, Add	*3,453.09*	
		For Class 55 Rating, Add	*5,145.08*	
		For Class 56 Rating, Add	*6,814.19*	
40 05 19 00-2427	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,261.83	1,234.23
		For Class 52 Rating, Deduct	*-2,573.10*	
		For Class 54 Rating, Add	*3,531.21*	
		For Class 55 Rating, Add	*5,261.25*	
		For Class 56 Rating, Add	*6,967.90*	
40 05 19 00-2428	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,788.71	1,238.63
		For Class 52 Rating, Deduct	*-2,630.32*	
		For Class 54 Rating, Add	*3,609.32*	
		For Class 55 Rating, Add	*5,377.42*	
		For Class 56 Rating, Add	*7,121.60*	
40 05 19 00-2429	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,315.59	1,243.01
		For Class 52 Rating, Deduct	*-2,687.55*	
		For Class 54 Rating, Add	*3,687.43*	
		For Class 55 Rating, Add	*5,493.59*	
		For Class 56 Rating, Add	*7,275.31*	
40 05 19 00-2430	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,842.46	1,247.41
		For Class 52 Rating, Deduct	*-2,744.77*	
		For Class 54 Rating, Add	*3,765.55*	
		For Class 55 Rating, Add	*5,609.76*	
		For Class 56 Rating, Add	*7,429.01*	

40 05 19 00-2431 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2432	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,062.09	1,282.55
		For Class 52 Rating, Deduct	*-783.07*	
		For Class 54 Rating, Add	*1,091.15*	
		For Class 55 Rating, Add	*1,634.14*	
		For Class 56 Rating, Add	*2,170.01*	
40 05 19 00-2433	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,713.70	1,286.94
		For Class 52 Rating, Deduct	*-854.02*	
		For Class 54 Rating, Add	*1,187.97*	
		For Class 55 Rating, Add	*1,778.13*	
		For Class 56 Rating, Add	*2,360.52*	
40 05 19 00-2434	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,365.31	1,291.33
		For Class 52 Rating, Deduct	*-924.96*	
		For Class 54 Rating, Add	*1,284.79*	
		For Class 55 Rating, Add	*1,922.11*	
		For Class 56 Rating, Add	*2,551.02*	
40 05 19 00-2435	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,016.93	1,295.72
		For Class 52 Rating, Deduct	*-995.91*	
		For Class 54 Rating, Add	*1,381.62*	
		For Class 55 Rating, Add	*2,066.09*	
		For Class 56 Rating, Add	*2,741.52*	
40 05 19 00-2436	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,668.53	1,300.12
		For Class 52 Rating, Deduct	*-1,066.85*	
		For Class 54 Rating, Add	*1,478.44*	
		For Class 55 Rating, Add	*2,210.08*	
		For Class 56 Rating, Add	*2,932.02*	
40 05 19 00-2437	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,320.15	1,304.51
		For Class 52 Rating, Deduct	*-1,137.80*	
		For Class 54 Rating, Add	*1,575.26*	
		For Class 55 Rating, Add	*2,354.06*	
		For Class 56 Rating, Add	*3,122.52*	
40 05 19 00-2438	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,971.75	1,308.90
		For Class 52 Rating, Deduct	*-1,208.74*	
		For Class 54 Rating, Add	*1,672.08*	
		For Class 55 Rating, Add	*2,498.05*	
		For Class 56 Rating, Add	*3,313.02*	
40 05 19 00-2439	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,623.37	1,313.29
		For Class 52 Rating, Deduct	*-1,279.69*	
		For Class 54 Rating, Add	*1,768.91*	
		For Class 55 Rating, Add	*2,642.03*	
		For Class 56 Rating, Add	*3,503.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2440	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,274.97	1,317.69
		For Class 52 Rating, Deduct	*-1,350.63*	
		For Class 54 Rating, Add	*1,865.73*	
		For Class 55 Rating, Add	*2,786.02*	
		For Class 56 Rating, Add	*3,694.03*	
40 05 19 00-2441	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,926.59	1,322.07
		For Class 52 Rating, Deduct	*-1,421.58*	
		For Class 54 Rating, Add	*1,962.55*	
		For Class 55 Rating, Add	*2,930.00*	
		For Class 56 Rating, Add	*3,884.53*	
40 05 19 00-2442	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,578.19	1,326.47
		For Class 52 Rating, Deduct	*-1,492.52*	
		For Class 54 Rating, Add	*2,059.38*	
		For Class 55 Rating, Add	*3,073.99*	
		For Class 56 Rating, Add	*4,075.03*	
40 05 19 00-2443	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,229.80	1,330.86
		For Class 52 Rating, Deduct	*-1,563.47*	
		For Class 54 Rating, Add	*2,156.20*	
		For Class 55 Rating, Add	*3,217.97*	
		For Class 56 Rating, Add	*4,265.53*	
40 05 19 00-2444	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,881.42	1,335.26
		For Class 52 Rating, Deduct	*-1,634.41*	
		For Class 54 Rating, Add	*2,253.02*	
		For Class 55 Rating, Add	*3,361.96*	
		For Class 56 Rating, Add	*4,456.03*	
40 05 19 00-2445	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,533.03	1,339.64
		For Class 52 Rating, Deduct	*-1,705.36*	
		For Class 54 Rating, Add	*2,349.85*	
		For Class 55 Rating, Add	*3,505.94*	
		For Class 56 Rating, Add	*4,646.53*	
40 05 19 00-2446	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,184.63	1,344.04
		For Class 52 Rating, Deduct	*-1,776.30*	
		For Class 54 Rating, Add	*2,446.67*	
		For Class 55 Rating, Add	*3,649.92*	
		For Class 56 Rating, Add	*4,837.03*	
40 05 19 00-2447	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,836.23	1,348.43
		For Class 52 Rating, Deduct	*-1,847.25*	
		For Class 54 Rating, Add	*2,543.49*	
		For Class 55 Rating, Add	*3,793.91*	
		For Class 56 Rating, Add	*5,027.53*	
40 05 19 00-2448	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,487.85	1,352.83
		For Class 52 Rating, Deduct	*-1,918.19*	
		For Class 54 Rating, Add	*2,640.31*	
		For Class 55 Rating, Add	*3,937.89*	
		For Class 56 Rating, Add	*5,218.04*	
40 05 19 00-2449	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,139.46	1,357.21
		For Class 52 Rating, Deduct	*-1,989.14*	
		For Class 54 Rating, Add	*2,737.14*	
		For Class 55 Rating, Add	*4,081.88*	
		For Class 56 Rating, Add	*5,408.54*	
40 05 19 00-2450	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,791.07	1,361.61
		For Class 52 Rating, Deduct	*-2,060.08*	
		For Class 54 Rating, Add	*2,833.96*	
		For Class 55 Rating, Add	*4,225.86*	
		For Class 56 Rating, Add	*5,599.04*	
40 05 19 00-2451	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,442.68	1,366.00
		For Class 52 Rating, Deduct	*-2,131.03*	
		For Class 54 Rating, Add	*2,930.78*	
		For Class 55 Rating, Add	*4,369.85*	
		For Class 56 Rating, Add	*5,789.54*	
40 05 19 00-2452	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,094.29	1,370.39
		For Class 52 Rating, Deduct	*-2,201.97*	
		For Class 54 Rating, Add	*3,027.61*	
		For Class 55 Rating, Add	*4,513.83*	
		For Class 56 Rating, Add	*5,980.04*	
40 05 19 00-2453	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,745.90	1,374.78
		For Class 52 Rating, Deduct	*-2,272.92*	
		For Class 54 Rating, Add	*3,124.43*	
		For Class 55 Rating, Add	*4,657.82*	
		For Class 56 Rating, Add	*6,170.54*	
40 05 19 00-2454	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,397.51	1,379.18
		For Class 52 Rating, Deduct	*-2,343.86*	
		For Class 54 Rating, Add	*3,221.25*	
		For Class 55 Rating, Add	*4,801.80*	
		For Class 56 Rating, Add	*6,361.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2455	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,049.12	1,383.57
		For Class 52 Rating, Deduct	*-2,414.81*	
		For Class 54 Rating, Add	*3,318.08*	
		For Class 55 Rating, Add	*4,945.79*	
		For Class 56 Rating, Add	*6,551.54*	
40 05 19 00-2456	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,700.73	1,387.96
		For Class 52 Rating, Deduct	*-2,485.75*	
		For Class 54 Rating, Add	*3,414.90*	
		For Class 55 Rating, Add	*5,089.77*	
		For Class 56 Rating, Add	*6,742.05*	
40 05 19 00-2457	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,352.33	1,392.35
		For Class 52 Rating, Deduct	*-2,556.70*	
		For Class 54 Rating, Add	*3,511.72*	
		For Class 55 Rating, Add	*5,233.76*	
		For Class 56 Rating, Add	*6,932.55*	
40 05 19 00-2458	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,003.95	1,396.75
		For Class 52 Rating, Deduct	*-2,627.64*	
		For Class 54 Rating, Add	*3,608.55*	
		For Class 55 Rating, Add	*5,377.74*	
		For Class 56 Rating, Add	*7,123.05*	
40 05 19 00-2459	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,655.56	1,401.13
		For Class 52 Rating, Deduct	*-2,698.59*	
		For Class 54 Rating, Add	*3,705.37*	
		For Class 55 Rating, Add	*5,521.72*	
		For Class 56 Rating, Add	*7,313.55*	
40 05 19 00-2460	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,307.17	1,405.53
		For Class 52 Rating, Deduct	*-2,769.53*	
		For Class 54 Rating, Add	*3,802.19*	
		For Class 55 Rating, Add	*5,665.71*	
		For Class 56 Rating, Add	*7,504.05*	
40 05 19 00-2461	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,071.91	1,484.59
		For Class 52 Rating, Deduct	*-2,840.48*	
		For Class 54 Rating, Add	*3,900.37*	
		For Class 55 Rating, Add	*5,812.41*	
		For Class 56 Rating, Add	*7,698.62*	
40 05 19 00-2462	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,723.52	1,488.98
		For Class 52 Rating, Deduct	*-2,911.42*	
		For Class 54 Rating, Add	*3,997.20*	
		For Class 55 Rating, Add	*5,956.39*	
		For Class 56 Rating, Add	*7,889.13*	
40 05 19 00-2463	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,375.13	1,493.38
		For Class 52 Rating, Deduct	*-2,982.37*	
		For Class 54 Rating, Add	*4,094.02*	
		For Class 55 Rating, Add	*6,100.38*	
		For Class 56 Rating, Add	*8,079.63*	
40 05 19 00-2464	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,026.75	1,497.76
		For Class 52 Rating, Deduct	*-3,053.31*	
		For Class 54 Rating, Add	*4,190.84*	
		For Class 55 Rating, Add	*6,244.36*	
		For Class 56 Rating, Add	*8,270.13*	
40 05 19 00-2465	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,678.35	1,502.16
		For Class 52 Rating, Deduct	*-3,124.26*	
		For Class 54 Rating, Add	*4,287.66*	
		For Class 55 Rating, Add	*6,388.35*	
		For Class 56 Rating, Add	*8,460.63*	
40 05 19 00-2466	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,329.97	1,506.55
		For Class 52 Rating, Deduct	*-3,195.20*	
		For Class 54 Rating, Add	*4,384.49*	
		For Class 55 Rating, Add	*6,532.33*	
		For Class 56 Rating, Add	*8,651.13*	
40 05 19 00-2467	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,981.57	1,510.95
		For Class 52 Rating, Deduct	*-3,266.15*	
		For Class 54 Rating, Add	*4,481.31*	
		For Class 55 Rating, Add	*6,676.32*	
		For Class 56 Rating, Add	*8,841.63*	
40 05 19 00-2468	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,633.18	1,515.33
		For Class 52 Rating, Deduct	*-3,337.09*	
		For Class 54 Rating, Add	*4,578.13*	
		For Class 55 Rating, Add	*6,820.30*	
		For Class 56 Rating, Add	*9,032.13*	
40 05 19 00-2469	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,284.79	1,519.73
		For Class 52 Rating, Deduct	*-3,408.04*	
		For Class 54 Rating, Add	*4,674.96*	
		For Class 55 Rating, Add	*6,964.29*	
		For Class 56 Rating, Add	*9,222.63*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2470		30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2471	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,010.31	1,809.62
		For Class 52 Rating, Deduct	*-1,239.53*	
		For Class 54 Rating, Add	*1,723.17*	
		For Class 55 Rating, Add	*2,578.67*	
		For Class 56 Rating, Add	*3,422.90*	
40 05 19 00-2472	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,941.80	1,814.01
		For Class 52 Rating, Deduct	*-1,341.26*	
		For Class 54 Rating, Add	*1,861.98*	
		For Class 55 Rating, Add	*2,785.07*	
		For Class 56 Rating, Add	*3,695.97*	
40 05 19 00-2473	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,873.30	1,818.40
		For Class 52 Rating, Deduct	*-1,443.00*	
		For Class 54 Rating, Add	*2,000.78*	
		For Class 55 Rating, Add	*2,991.47*	
		For Class 56 Rating, Add	*3,969.04*	
40 05 19 00-2474	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,804.80	1,822.80
		For Class 52 Rating, Deduct	*-1,544.73*	
		For Class 54 Rating, Add	*2,139.59*	
		For Class 55 Rating, Add	*3,197.87*	
		For Class 56 Rating, Add	*4,242.10*	
40 05 19 00-2475	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,736.29	1,827.19
		For Class 52 Rating, Deduct	*-1,646.46*	
		For Class 54 Rating, Add	*2,278.39*	
		For Class 55 Rating, Add	*3,404.27*	
		For Class 56 Rating, Add	*4,515.17*	
40 05 19 00-2476	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,667.78	1,831.58
		For Class 52 Rating, Deduct	*-1,748.19*	
		For Class 54 Rating, Add	*2,417.20*	
		For Class 55 Rating, Add	*3,610.67*	
		For Class 56 Rating, Add	*4,788.24*	
40 05 19 00-2477	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,599.28	1,835.97
		For Class 52 Rating, Deduct	*-1,849.93*	
		For Class 54 Rating, Add	*2,556.01*	
		For Class 55 Rating, Add	*3,817.07*	
		For Class 56 Rating, Add	*5,061.31*	
40 05 19 00-2478	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,530.77	1,840.37
		For Class 52 Rating, Deduct	*-1,951.66*	
		For Class 54 Rating, Add	*2,694.81*	
		For Class 55 Rating, Add	*4,023.46*	
		For Class 56 Rating, Add	*5,334.37*	
40 05 19 00-2479	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,462.27	1,844.75
		For Class 52 Rating, Deduct	*-2,053.39*	
		For Class 54 Rating, Add	*2,833.62*	
		For Class 55 Rating, Add	*4,229.86*	
		For Class 56 Rating, Add	*5,607.44*	
40 05 19 00-2480	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,393.77	1,849.15
		For Class 52 Rating, Deduct	*-2,155.12*	
		For Class 54 Rating, Add	*2,972.43*	
		For Class 55 Rating, Add	*4,436.26*	
		For Class 56 Rating, Add	*5,880.51*	
40 05 19 00-2481	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,325.27	1,853.54
		For Class 52 Rating, Deduct	*-2,256.86*	
		For Class 54 Rating, Add	*3,111.23*	
		For Class 55 Rating, Add	*4,642.66*	
		For Class 56 Rating, Add	*6,153.58*	
40 05 19 00-2482	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,256.76	1,857.94
		For Class 52 Rating, Deduct	*-2,358.59*	
		For Class 54 Rating, Add	*3,250.04*	
		For Class 55 Rating, Add	*4,849.06*	
		For Class 56 Rating, Add	*6,426.65*	
40 05 19 00-2483	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,188.26	1,862.32
		For Class 52 Rating, Deduct	*-2,460.32*	
		For Class 54 Rating, Add	*3,388.84*	
		For Class 55 Rating, Add	*5,055.46*	
		For Class 56 Rating, Add	*6,699.71*	
40 05 19 00-2484	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,119.76	1,866.72
		For Class 52 Rating, Deduct	*-2,562.05*	
		For Class 54 Rating, Add	*3,527.65*	
		For Class 55 Rating, Add	*5,261.86*	
		For Class 56 Rating, Add	*6,972.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2485	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,051.25	1,871.11
		For Class 52 Rating, Deduct	*-2,663.79*	
		For Class 54 Rating, Add	*3,666.45*	
		For Class 55 Rating, Add	*5,468.26*	
		For Class 56 Rating, Add	*7,245.85*	
40 05 19 00-2486	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,982.74	1,875.51
		For Class 52 Rating, Deduct	*-2,765.52*	
		For Class 54 Rating, Add	*3,805.26*	
		For Class 55 Rating, Add	*5,674.66*	
		For Class 56 Rating, Add	*7,518.92*	
40 05 19 00-2487	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,914.23	1,879.89
		For Class 52 Rating, Deduct	*-2,867.25*	
		For Class 54 Rating, Add	*3,944.07*	
		For Class 55 Rating, Add	*5,881.06*	
		For Class 56 Rating, Add	*7,791.98*	
40 05 19 00-2488	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,845.74	1,884.29
		For Class 52 Rating, Deduct	*-2,968.98*	
		For Class 54 Rating, Add	*4,082.87*	
		For Class 55 Rating, Add	*6,087.46*	
		For Class 56 Rating, Add	*8,065.05*	
40 05 19 00-2489	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,777.23	1,888.68
		For Class 52 Rating, Deduct	*-3,070.71*	
		For Class 54 Rating, Add	*4,221.68*	
		For Class 55 Rating, Add	*6,293.86*	
		For Class 56 Rating, Add	*8,338.12*	
40 05 19 00-2490	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,708.73	1,893.07
		For Class 52 Rating, Deduct	*-3,172.45*	
		For Class 54 Rating, Add	*4,360.49*	
		For Class 55 Rating, Add	*6,500.26*	
		For Class 56 Rating, Add	*8,611.19*	
40 05 19 00-2491	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,640.23	1,897.46
		For Class 52 Rating, Deduct	*-3,274.18*	
		For Class 54 Rating, Add	*4,499.29*	
		For Class 55 Rating, Add	*6,706.66*	
		For Class 56 Rating, Add	*8,884.26*	
40 05 19 00-2492	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,571.72	1,901.86
		For Class 52 Rating, Deduct	*-3,375.91*	
		For Class 54 Rating, Add	*4,638.10*	
		For Class 55 Rating, Add	*6,913.06*	
		For Class 56 Rating, Add	*9,157.32*	
40 05 19 00-2493	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,503.22	1,906.25
		For Class 52 Rating, Deduct	*-3,477.65*	
		For Class 54 Rating, Add	*4,776.90*	
		For Class 55 Rating, Add	*7,119.45*	
		For Class 56 Rating, Add	*9,430.39*	
40 05 19 00-2494	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,434.71	1,910.64
		For Class 52 Rating, Deduct	*-3,579.38*	
		For Class 54 Rating, Add	*4,915.71*	
		For Class 55 Rating, Add	*7,325.85*	
		For Class 56 Rating, Add	*9,703.46*	
40 05 19 00-2495	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,366.21	1,915.03
		For Class 52 Rating, Deduct	*-3,681.11*	
		For Class 54 Rating, Add	*5,054.51*	
		For Class 55 Rating, Add	*7,532.25*	
		For Class 56 Rating, Add	*9,976.53*	
40 05 19 00-2496	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,297.70	1,919.43
		For Class 52 Rating, Deduct	*-3,782.84*	
		For Class 54 Rating, Add	*5,193.32*	
		For Class 55 Rating, Add	*7,738.65*	
		For Class 56 Rating, Add	*10,249.59*	
40 05 19 00-2497	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,229.20	1,923.82
		For Class 52 Rating, Deduct	*-3,884.58*	
		For Class 54 Rating, Add	*5,332.13*	
		For Class 55 Rating, Add	*7,945.05*	
		For Class 56 Rating, Add	*10,522.66*	
40 05 19 00-2498	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,160.70	1,928.21
		For Class 52 Rating, Deduct	*-3,986.31*	
		For Class 54 Rating, Add	*5,470.93*	
		For Class 55 Rating, Add	*8,151.45*	
		For Class 56 Rating, Add	*10,795.73*	
40 05 19 00-2499	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,092.19	1,932.61
		For Class 52 Rating, Deduct	*-4,088.04*	
		For Class 54 Rating, Add	*5,609.74*	
		For Class 55 Rating, Add	*8,357.85*	
		For Class 56 Rating, Add	*11,068.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2500	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,023.68	1,937.00
		For Class 52 Rating, Deduct	*-4,189.77*	
		For Class 54 Rating, Add	*5,748.54*	
		For Class 55 Rating, Add	*8,564.25*	
		For Class 56 Rating, Add	*11,341.86*	
40 05 19 00-2501	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,955.18	1,941.39
		For Class 52 Rating, Deduct	*-4,291.51*	
		For Class 54 Rating, Add	*5,887.35*	
		For Class 55 Rating, Add	*8,770.65*	
		For Class 56 Rating, Add	*11,614.93*	
40 05 19 00-2502	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,886.69	1,945.78
		For Class 52 Rating, Deduct	*-4,393.24*	
		For Class 54 Rating, Add	*6,026.16*	
		For Class 55 Rating, Add	*8,977.05*	
		For Class 56 Rating, Add	*11,888.00*	
40 05 19 00-2503	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,818.18	1,950.18
		For Class 52 Rating, Deduct	*-4,494.97*	
		For Class 54 Rating, Add	*6,164.96*	
		For Class 55 Rating, Add	*9,183.45*	
		For Class 56 Rating, Add	*12,161.07*	
40 05 19 00-2504	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,749.67	1,954.57
		For Class 52 Rating, Deduct	*-4,596.70*	
		For Class 54 Rating, Add	*6,303.77*	
		For Class 55 Rating, Add	*9,389.85*	
		For Class 56 Rating, Add	*12,434.13*	
40 05 19 00-2505	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,681.17	1,958.96
		For Class 52 Rating, Deduct	*-4,698.44*	
		For Class 54 Rating, Add	*6,442.57*	
		For Class 55 Rating, Add	*9,596.25*	
		For Class 56 Rating, Add	*12,707.20*	

40 05 19 00-2506 36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2507	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,539.97	2,292.77
		For Class 52 Rating, Deduct	*-1,767.27*	
		For Class 54 Rating, Add	*2,451.60*	
		For Class 55 Rating, Add	*3,666.11*	
		For Class 56 Rating, Add	*4,864.55*	
40 05 19 00-2508	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,787.85	2,297.17
		For Class 52 Rating, Deduct	*-1,903.80*	
		For Class 54 Rating, Add	*2,637.86*	
		For Class 55 Rating, Add	*3,943.06*	
		For Class 56 Rating, Add	*5,230.95*	
40 05 19 00-2509	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,035.74	2,301.56
		For Class 52 Rating, Deduct	*-2,040.34*	
		For Class 54 Rating, Add	*2,824.13*	
		For Class 55 Rating, Add	*4,220.02*	
		For Class 56 Rating, Add	*5,597.36*	
40 05 19 00-2510	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,283.63	2,305.95
		For Class 52 Rating, Deduct	*-2,176.87*	
		For Class 54 Rating, Add	*3,010.39*	
		For Class 55 Rating, Add	*4,496.97*	
		For Class 56 Rating, Add	*5,963.76*	
40 05 19 00-2511	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,531.53	2,310.34
		For Class 52 Rating, Deduct	*-2,313.41*	
		For Class 54 Rating, Add	*3,196.66*	
		For Class 55 Rating, Add	*4,773.93*	
		For Class 56 Rating, Add	*6,330.17*	
40 05 19 00-2512	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,779.41	2,314.74
		For Class 52 Rating, Deduct	*-2,449.95*	
		For Class 54 Rating, Add	*3,382.92*	
		For Class 55 Rating, Add	*5,050.88*	
		For Class 56 Rating, Add	*6,696.57*	
40 05 19 00-2513	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,027.30	2,319.12
		For Class 52 Rating, Deduct	*-2,586.48*	
		For Class 54 Rating, Add	*3,569.19*	
		For Class 55 Rating, Add	*5,327.84*	
		For Class 56 Rating, Add	*7,062.97*	
40 05 19 00-2514	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,275.19	2,323.52
		For Class 52 Rating, Deduct	*-2,723.02*	
		For Class 54 Rating, Add	*3,755.45*	
		For Class 55 Rating, Add	*5,604.79*	
		For Class 56 Rating, Add	*7,429.38*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2515	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,523.07	2,327.91
		For Class 52 Rating, Deduct	*-2,859.55*	
		For Class 54 Rating, Add	*3,941.72*	
		For Class 55 Rating, Add	*5,881.75*	
		For Class 56 Rating, Add	*7,795.78*	
40 05 19 00-2516	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,770.96	2,332.31
		For Class 52 Rating, Deduct	*-2,996.09*	
		For Class 54 Rating, Add	*4,127.98*	
		For Class 55 Rating, Add	*6,158.70*	
		For Class 56 Rating, Add	*8,162.18*	
40 05 19 00-2517	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,018.86	2,336.69
		For Class 52 Rating, Deduct	*-3,132.63*	
		For Class 54 Rating, Add	*4,314.25*	
		For Class 55 Rating, Add	*6,435.66*	
		For Class 56 Rating, Add	*8,528.59*	
40 05 19 00-2518	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,266.74	2,341.09
		For Class 52 Rating, Deduct	*-3,269.16*	
		For Class 54 Rating, Add	*4,500.51*	
		For Class 55 Rating, Add	*6,712.61*	
		For Class 56 Rating, Add	*8,894.99*	
40 05 19 00-2519	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,514.63	2,345.48
		For Class 52 Rating, Deduct	*-3,405.70*	
		For Class 54 Rating, Add	*4,686.78*	
		For Class 55 Rating, Add	*6,989.57*	
		For Class 56 Rating, Add	*9,261.39*	
40 05 19 00-2520	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,762.53	2,349.88
		For Class 52 Rating, Deduct	*-3,542.23*	
		For Class 54 Rating, Add	*4,873.04*	
		For Class 55 Rating, Add	*7,266.52*	
		For Class 56 Rating, Add	*9,627.80*	
40 05 19 00-2521	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,010.41	2,354.26
		For Class 52 Rating, Deduct	*-3,678.77*	
		For Class 54 Rating, Add	*5,059.31*	
		For Class 55 Rating, Add	*7,543.47*	
		For Class 56 Rating, Add	*9,994.20*	
40 05 19 00-2522	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,258.30	2,358.66
		For Class 52 Rating, Deduct	*-3,815.30*	
		For Class 54 Rating, Add	*5,245.57*	
		For Class 55 Rating, Add	*7,820.43*	
		For Class 56 Rating, Add	*10,360.61*	
40 05 19 00-2523	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,506.18	2,363.05
		For Class 52 Rating, Deduct	*-3,951.84*	
		For Class 54 Rating, Add	*5,431.84*	
		For Class 55 Rating, Add	*8,097.38*	
		For Class 56 Rating, Add	*10,727.01*	
40 05 19 00-2524	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,754.08	2,367.44
		For Class 52 Rating, Deduct	*-4,088.38*	
		For Class 54 Rating, Add	*5,618.10*	
		For Class 55 Rating, Add	*8,374.34*	
		For Class 56 Rating, Add	*11,093.41*	
40 05 19 00-2525	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,001.97	2,371.83
		For Class 52 Rating, Deduct	*-4,224.91*	
		For Class 54 Rating, Add	*5,804.37*	
		For Class 55 Rating, Add	*8,651.30*	
		For Class 56 Rating, Add	*11,459.82*	
40 05 19 00-2526	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,249.85	2,376.23
		For Class 52 Rating, Deduct	*-4,361.45*	
		For Class 54 Rating, Add	*5,990.63*	
		For Class 55 Rating, Add	*8,928.25*	
		For Class 56 Rating, Add	*11,826.22*	
40 05 19 00-2527	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,497.75	2,380.62
		For Class 52 Rating, Deduct	*-4,497.98*	
		For Class 54 Rating, Add	*6,176.90*	
		For Class 55 Rating, Add	*9,205.21*	
		For Class 56 Rating, Add	*12,192.62*	
40 05 19 00-2528	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,745.63	2,385.01
		For Class 52 Rating, Deduct	*-4,634.52*	
		For Class 54 Rating, Add	*6,363.16*	
		For Class 55 Rating, Add	*9,482.16*	
		For Class 56 Rating, Add	*12,559.03*	
40 05 19 00-2529	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,993.52	2,389.40
		For Class 52 Rating, Deduct	*-4,771.05*	
		For Class 54 Rating, Add	*6,549.43*	
		For Class 55 Rating, Add	*9,759.12*	
		For Class 56 Rating, Add	*12,925.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2530	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,241.41	2,393.80
		For Class 52 Rating, Deduct	*-4,907.59*	
		For Class 54 Rating, Add	*6,735.69*	
		For Class 55 Rating, Add	*10,036.07*	
		For Class 56 Rating, Add	*13,291.83*	
40 05 19 00-2531	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,489.30	2,398.18
		For Class 52 Rating, Deduct	*-5,044.12*	
		For Class 54 Rating, Add	*6,921.96*	
		For Class 55 Rating, Add	*10,313.02*	
		For Class 56 Rating, Add	*13,658.24*	
40 05 19 00-2532	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,737.19	2,402.58
		For Class 52 Rating, Deduct	*-5,180.66*	
		For Class 54 Rating, Add	*7,108.22*	
		For Class 55 Rating, Add	*10,589.98*	
		For Class 56 Rating, Add	*14,024.64*	
40 05 19 00-2533	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,985.07	2,406.97
		For Class 52 Rating, Deduct	*-5,317.20*	
		For Class 54 Rating, Add	*7,294.49*	
		For Class 55 Rating, Add	*10,866.93*	
		For Class 56 Rating, Add	*14,391.04*	
40 05 19 00-2534	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,232.97	2,411.37
		For Class 52 Rating, Deduct	*-5,453.73*	
		For Class 54 Rating, Add	*7,480.75*	
		For Class 55 Rating, Add	*11,143.89*	
		For Class 56 Rating, Add	*14,757.45*	
40 05 19 00-2535	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,480.86	2,415.75
		For Class 52 Rating, Deduct	*-5,590.27*	
		For Class 54 Rating, Add	*7,667.02*	
		For Class 55 Rating, Add	*11,420.84*	
		For Class 56 Rating, Add	*15,123.85*	
40 05 19 00-2536	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,728.74	2,420.15
		For Class 52 Rating, Deduct	*-5,726.80*	
		For Class 54 Rating, Add	*7,853.28*	
		For Class 55 Rating, Add	*11,697.80*	
		For Class 56 Rating, Add	*15,490.25*	
40 05 19 00-2537	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,976.63	2,424.54
		For Class 52 Rating, Deduct	*-5,863.34*	
		For Class 54 Rating, Add	*8,039.55*	
		For Class 55 Rating, Add	*11,974.75*	
		For Class 56 Rating, Add	*15,856.66*	
40 05 19 00-2538	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,224.52	2,428.94
		For Class 52 Rating, Deduct	*-5,999.88*	
		For Class 54 Rating, Add	*8,225.81*	
		For Class 55 Rating, Add	*12,251.71*	
		For Class 56 Rating, Add	*16,223.06*	
40 05 19 00-2539	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,472.41	2,433.32
		For Class 52 Rating, Deduct	*-6,136.41*	
		For Class 54 Rating, Add	*8,412.07*	
		For Class 55 Rating, Add	*12,528.66*	
		For Class 56 Rating, Add	*16,589.46*	
40 05 19 00-2540	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,720.30	2,437.72
		For Class 52 Rating, Deduct	*-6,272.95*	
		For Class 54 Rating, Add	*8,598.34*	
		For Class 55 Rating, Add	*12,805.62*	
		For Class 56 Rating, Add	*16,955.87*	
40 05 19 00-2541	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,968.18	2,442.11
		For Class 52 Rating, Deduct	*-6,409.48*	
		For Class 54 Rating, Add	*8,784.60*	
		For Class 55 Rating, Add	*13,082.57*	
		For Class 56 Rating, Add	*17,322.27*	
40 05 19 00-2542		42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2543	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,811.55	2,890.12
		For Class 52 Rating, Deduct	*-2,357.58*	
		For Class 54 Rating, Add	*3,267.43*	
		For Class 55 Rating, Add	*4,884.56*	
		For Class 56 Rating, Add	*6,480.25*	
40 05 19 00-2544	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,643.54	2,894.51
		For Class 52 Rating, Deduct	*-2,558.37*	
		For Class 54 Rating, Add	*3,541.32*	
		For Class 55 Rating, Add	*5,291.77*	
		For Class 56 Rating, Add	*7,018.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2545	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,460.35	2,898.91
		For Class 52 Rating, Deduct	*-2,757.49*	
		For Class 54 Rating, Add	*3,812.92*	
		For Class 55 Rating, Add	*5,695.59*	
		For Class 56 Rating, Add	*7,553.20*	
40 05 19 00-2546	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,295.38	2,903.30
		For Class 52 Rating, Deduct	*-2,958.61*	
		For Class 54 Rating, Add	*4,087.25*	
		For Class 55 Rating, Add	*6,103.48*	
		For Class 56 Rating, Add	*8,092.81*	
40 05 19 00-2547	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,118.25	2,907.69
		For Class 52 Rating, Deduct	*-3,158.39*	
		For Class 54 Rating, Add	*4,359.77*	
		For Class 55 Rating, Add	*6,508.66*	
		For Class 56 Rating, Add	*8,628.84*	
40 05 19 00-2548	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,959.38	2,912.08
		For Class 52 Rating, Deduct	*-3,360.18*	
		For Class 54 Rating, Add	*4,635.02*	
		For Class 55 Rating, Add	*6,917.90*	
		For Class 56 Rating, Add	*9,170.24*	
40 05 19 00-2549	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,782.25	2,916.48
		For Class 52 Rating, Deduct	*-3,559.97*	
		For Class 54 Rating, Add	*4,907.53*	
		For Class 55 Rating, Add	*7,323.08*	
		For Class 56 Rating, Add	*9,706.27*	
40 05 19 00-2550	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,626.42	2,920.86
		For Class 52 Rating, Deduct	*-3,762.09*	
		For Class 54 Rating, Add	*5,183.24*	
		For Class 55 Rating, Add	*7,733.01*	
		For Class 56 Rating, Add	*10,248.57*	
40 05 19 00-2551	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,455.37	2,925.26
		For Class 52 Rating, Deduct	*-3,962.55*	
		For Class 54 Rating, Add	*5,456.66*	
		For Class 55 Rating, Add	*8,139.54*	
		For Class 56 Rating, Add	*10,786.39*	
40 05 19 00-2552	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,299.55	2,929.65
		For Class 52 Rating, Deduct	*-4,164.67*	
		For Class 54 Rating, Add	*5,732.37*	
		For Class 55 Rating, Add	*8,549.46*	
		For Class 56 Rating, Add	*11,328.70*	
40 05 19 00-2553	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,128.50	2,934.05
		For Class 52 Rating, Deduct	*-4,365.13*	
		For Class 54 Rating, Add	*6,005.79*	
		For Class 55 Rating, Add	*8,956.00*	
		For Class 56 Rating, Add	*11,866.52*	
40 05 19 00-2554	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,975.70	2,938.43
		For Class 52 Rating, Deduct	*-4,567.59*	
		For Class 54 Rating, Add	*6,281.96*	
		For Class 55 Rating, Add	*9,366.60*	
		For Class 56 Rating, Add	*12,409.72*	
40 05 19 00-2555	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,804.68	2,942.83
		For Class 52 Rating, Deduct	*-4,768.04*	
		For Class 54 Rating, Add	*6,555.38*	
		For Class 55 Rating, Add	*9,773.13*	
		For Class 56 Rating, Add	*12,947.54*	
40 05 19 00-2556	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,639.71	2,947.22
		For Class 52 Rating, Deduct	*-4,969.16*	
		For Class 54 Rating, Add	*6,829.72*	
		For Class 55 Rating, Add	*10,181.02*	
		For Class 56 Rating, Add	*13,487.15*	
40 05 19 00-2557	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,483.87	2,951.62
		For Class 52 Rating, Deduct	*-5,171.29*	
		For Class 54 Rating, Add	*7,105.43*	
		For Class 55 Rating, Add	*10,590.95*	
		For Class 56 Rating, Add	*14,029.46*	
40 05 19 00-2558	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,315.87	2,956.00
		For Class 52 Rating, Deduct	*-5,372.08*	
		For Class 54 Rating, Add	*7,379.31*	
		For Class 55 Rating, Add	*10,998.16*	
		For Class 56 Rating, Add	*14,568.18*	
40 05 19 00-2559	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,169.18	2,960.40
		For Class 52 Rating, Deduct	*-5,575.21*	
		For Class 54 Rating, Add	*7,656.38*	
		For Class 55 Rating, Add	*11,410.12*	
		For Class 56 Rating, Add	*15,113.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2560	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,004.21	2,964.79
		For Class 52 Rating, Deduct	*-5,776.33*	
		For Class 54 Rating, Add	*7,930.72*	
		For Class 55 Rating, Add	*11,818.01*	
		For Class 56 Rating, Add	*15,652.79*	
40 05 19 00-2561	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,854.46	2,969.18
		For Class 52 Rating, Deduct	*-5,979.13*	
		For Class 54 Rating, Add	*8,207.34*	
		For Class 55 Rating, Add	*12,229.29*	
		For Class 56 Rating, Add	*16,196.89*	
40 05 19 00-2562	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,686.47	2,973.57
		For Class 52 Rating, Deduct	*-6,179.92*	
		For Class 54 Rating, Add	*8,481.22*	
		For Class 55 Rating, Add	*12,636.50*	
		For Class 56 Rating, Add	*16,735.60*	
40 05 19 00-2563	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,542.80	2,977.97
		For Class 52 Rating, Deduct	*-6,383.38*	
		For Class 54 Rating, Add	*8,758.75*	
		For Class 55 Rating, Add	*13,049.14*	
		For Class 56 Rating, Add	*17,281.50*	
40 05 19 00-2564	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,377.84	2,982.36
		For Class 52 Rating, Deduct	*-6,584.50*	
		For Class 54 Rating, Add	*9,033.09*	
		For Class 55 Rating, Add	*13,457.03*	
		For Class 56 Rating, Add	*17,821.11*	
40 05 19 00-2565	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,228.09	2,986.75
		For Class 52 Rating, Deduct	*-6,787.30*	
		For Class 54 Rating, Add	*9,309.71*	
		For Class 55 Rating, Add	*13,868.31*	
		For Class 56 Rating, Add	*18,365.21*	
40 05 19 00-2566	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,063.14	2,991.14
		For Class 52 Rating, Deduct	*-6,988.42*	
		For Class 54 Rating, Add	*9,584.05*	
		For Class 55 Rating, Add	*14,276.20*	
		For Class 56 Rating, Add	*18,904.83*	
40 05 19 00-2567	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,919.47	2,995.54
		For Class 52 Rating, Deduct	*-7,191.89*	
		For Class 54 Rating, Add	*9,861.58*	
		For Class 55 Rating, Add	*14,688.84*	
		For Class 56 Rating, Add	*19,450.72*	
40 05 19 00-2568	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,754.51	2,999.92
		For Class 52 Rating, Deduct	*-7,393.01*	
		For Class 54 Rating, Add	*10,135.92*	
		For Class 55 Rating, Add	*15,096.73*	
		For Class 56 Rating, Add	*19,990.34*	
40 05 19 00-2569	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,604.76	3,004.32
		For Class 52 Rating, Deduct	*-7,595.80*	
		For Class 54 Rating, Add	*10,412.54*	
		For Class 55 Rating, Add	*15,508.01*	
		For Class 56 Rating, Add	*20,534.44*	
40 05 19 00-2570	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,442.85	3,008.71
		For Class 52 Rating, Deduct	*-7,797.26*	
		For Class 54 Rating, Add	*10,687.33*	
		For Class 55 Rating, Add	*15,916.58*	
		For Class 56 Rating, Add	*21,074.95*	
40 05 19 00-2571	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,931.07	3,013.11
		For Class 52 Rating, Deduct	*-7,960.23*	
		For Class 54 Rating, Add	*10,909.65*	
		For Class 55 Rating, Add	*16,247.13*	
		For Class 56 Rating, Add	*21,512.25*	
40 05 19 00-2572	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,134.22	3,017.49
		For Class 52 Rating, Deduct	*-8,201.85*	
		For Class 54 Rating, Add	*11,239.20*	
		For Class 55 Rating, Add	*16,737.11*	
		For Class 56 Rating, Add	*22,160.46*	
40 05 19 00-2573	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,969.28	3,021.89
		For Class 52 Rating, Deduct	*-8,402.97*	
		For Class 54 Rating, Add	*11,513.54*	
		For Class 55 Rating, Add	*17,145.00*	
		For Class 56 Rating, Add	*22,700.07*	
40 05 19 00-2574	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,822.57	3,026.28
		For Class 52 Rating, Deduct	*-8,606.10*	
		For Class 54 Rating, Add	*11,790.62*	
		For Class 55 Rating, Add	*17,556.96*	
		For Class 56 Rating, Add	*23,245.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2575	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,660.64	3,030.68
		For Class 52 Rating, Deduct	*-8,807.56*	
		For Class 54 Rating, Add	*12,065.41*	
		For Class 55 Rating, Add	*17,965.53*	
		For Class 56 Rating, Add	*23,785.58*	
40 05 19 00-2576	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	86,516.98	3,035.06
		For Class 52 Rating, Deduct	*-9,011.02*	
		For Class 54 Rating, Add	*12,342.94*	
		For Class 55 Rating, Add	*18,378.17*	
		For Class 56 Rating, Add	*24,331.48*	
40 05 19 00-2577	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,348.98	3,039.46
		For Class 52 Rating, Deduct	*-9,211.81*	
		For Class 54 Rating, Add	*12,616.82*	
		For Class 55 Rating, Add	*18,785.38*	
		For Class 56 Rating, Add	*24,870.19*	

40 05 19 00-2578 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2579	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,375.78	3,632.42
		For Class 52 Rating, Deduct	*-2,955.93*	
		For Class 54 Rating, Add	*4,096.86*	
		For Class 55 Rating, Add	*6,124.57*	
		For Class 56 Rating, Add	*8,125.40*	
40 05 19 00-2580	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,992.67	3,636.81
		For Class 52 Rating, Deduct	*-3,243.06*	
		For Class 54 Rating, Add	*4,488.48*	
		For Class 55 Rating, Add	*6,706.81*	
		For Class 56 Rating, Add	*8,895.66*	
40 05 19 00-2581	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,615.64	3,641.20
		For Class 52 Rating, Deduct	*-3,530.85*	
		For Class 54 Rating, Add	*4,881.00*	
		For Class 55 Rating, Add	*7,290.41*	
		For Class 56 Rating, Add	*9,667.72*	
40 05 19 00-2582	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,269.05	3,645.60
		For Class 52 Rating, Deduct	*-3,822.00*	
		For Class 54 Rating, Add	*5,278.10*	
		For Class 55 Rating, Add	*7,880.80*	
		For Class 56 Rating, Add	*10,448.75*	
40 05 19 00-2583	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,913.33	3,649.98
		For Class 52 Rating, Deduct	*-4,112.14*	
		For Class 54 Rating, Add	*5,673.82*	
		For Class 55 Rating, Add	*8,469.15*	
		For Class 56 Rating, Add	*11,227.09*	
40 05 19 00-2584	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,563.69	3,654.38
		For Class 52 Rating, Deduct	*-4,402.94*	
		For Class 54 Rating, Add	*6,070.46*	
		For Class 55 Rating, Add	*9,058.85*	
		For Class 56 Rating, Add	*12,007.22*	
40 05 19 00-2585	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,232.30	3,658.77
		For Class 52 Rating, Deduct	*-4,695.76*	
		For Class 54 Rating, Add	*6,469.83*	
		For Class 55 Rating, Add	*9,652.63*	
		For Class 56 Rating, Add	*12,792.74*	
40 05 19 00-2586	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,894.84	3,663.17
		For Class 52 Rating, Deduct	*-4,987.90*	
		For Class 54 Rating, Add	*6,868.29*	
		For Class 55 Rating, Add	*10,245.05*	
		For Class 56 Rating, Add	*13,576.46*	
40 05 19 00-2587	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,554.32	3,667.55
		For Class 52 Rating, Deduct	*-5,279.72*	
		For Class 54 Rating, Add	*7,266.30*	
		For Class 55 Rating, Add	*10,836.79*	
		For Class 56 Rating, Add	*14,359.29*	
40 05 19 00-2588	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,241.19	3,671.95
		For Class 52 Rating, Deduct	*-5,574.54*	
		For Class 54 Rating, Add	*7,668.41*	
		For Class 55 Rating, Add	*11,434.64*	
		For Class 56 Rating, Add	*15,150.19*	
40 05 19 00-2589	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,909.81	3,676.34
		For Class 52 Rating, Deduct	*-5,867.35*	
		For Class 54 Rating, Add	*8,067.78*	
		For Class 55 Rating, Add	*12,028.41*	
		For Class 56 Rating, Add	*15,935.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2590	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,599.72	3,680.73
		For Class 52 Rating, Deduct	*-6,162.51*	
		For Class 54 Rating, Add	*8,470.35*	
		For Class 55 Rating, Add	*12,626.94*	
		For Class 56 Rating, Add	*16,727.51*	
40 05 19 00-2591	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,274.41	3,685.12
		For Class 52 Rating, Deduct	*-6,456.00*	
		For Class 54 Rating, Add	*8,870.64*	
		For Class 55 Rating, Add	*13,222.07*	
		For Class 56 Rating, Add	*17,514.82*	
40 05 19 00-2592	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,952.15	3,689.52
		For Class 52 Rating, Deduct	*-6,749.82*	
		For Class 54 Rating, Add	*9,271.38*	
		For Class 55 Rating, Add	*13,817.89*	
		For Class 56 Rating, Add	*18,303.03*	
40 05 19 00-2593	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,648.16	3,693.91
		For Class 52 Rating, Deduct	*-7,045.65*	
		For Class 54 Rating, Add	*9,674.86*	
		For Class 55 Rating, Add	*14,417.77*	
		For Class 56 Rating, Add	*19,096.63*	
40 05 19 00-2594	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,331.98	3,698.30
		For Class 52 Rating, Deduct	*-7,340.13*	
		For Class 54 Rating, Add	*10,076.52*	
		For Class 55 Rating, Add	*15,014.94*	
		For Class 56 Rating, Add	*19,886.63*	
40 05 19 00-2595	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,012.76	3,702.69
		For Class 52 Rating, Deduct	*-7,634.29*	
		For Class 54 Rating, Add	*10,477.71*	
		For Class 55 Rating, Add	*15,611.43*	
		For Class 56 Rating, Add	*20,675.74*	
40 05 19 00-2596	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,714.85	3,707.09
		For Class 52 Rating, Deduct	*-7,930.79*	
		For Class 54 Rating, Add	*10,882.11*	
		For Class 55 Rating, Add	*16,212.67*	
		For Class 56 Rating, Add	*21,471.13*	
40 05 19 00-2597	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,401.71	3,711.48
		For Class 52 Rating, Deduct	*-8,225.61*	
		For Class 54 Rating, Add	*11,284.22*	
		For Class 55 Rating, Add	*16,810.51*	
		For Class 56 Rating, Add	*22,262.03*	
40 05 19 00-2598	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,085.54	3,715.87
		For Class 52 Rating, Deduct	*-8,520.10*	
		For Class 54 Rating, Add	*11,685.88*	
		For Class 55 Rating, Add	*17,407.68*	
		For Class 56 Rating, Add	*23,052.04*	
40 05 19 00-2599	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,790.66	3,720.26
		For Class 52 Rating, Deduct	*-8,816.93*	
		For Class 54 Rating, Add	*12,090.73*	
		For Class 55 Rating, Add	*18,009.60*	
		For Class 56 Rating, Add	*23,848.32*	
40 05 19 00-2600	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,483.62	3,724.66
		For Class 52 Rating, Deduct	*-9,112.42*	
		For Class 54 Rating, Add	*12,493.75*	
		For Class 55 Rating, Add	*18,608.81*	
		For Class 56 Rating, Add	*24,641.02*	
40 05 19 00-2601	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,170.48	3,729.04
		For Class 52 Rating, Deduct	*-9,407.25*	
		For Class 54 Rating, Add	*12,895.86*	
		For Class 55 Rating, Add	*19,206.65*	
		For Class 56 Rating, Add	*25,431.92*	
40 05 19 00-2602	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	93,878.65	3,733.44
		For Class 52 Rating, Deduct	*-9,704.41*	
		For Class 54 Rating, Add	*13,301.17*	
		For Class 55 Rating, Add	*19,809.25*	
		For Class 56 Rating, Add	*26,229.11*	
40 05 19 00-2603	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	96,571.61	3,737.83
		For Class 52 Rating, Deduct	*-9,999.90*	
		For Class 54 Rating, Add	*13,704.19*	
		For Class 55 Rating, Add	*20,408.45*	
		For Class 56 Rating, Add	*27,021.81*	
40 05 19 00-2604	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	99,261.51	3,742.23
		For Class 52 Rating, Deduct	*-10,295.06*	
		For Class 54 Rating, Add	*14,106.76*	
		For Class 55 Rating, Add	*21,006.98*	
		For Class 56 Rating, Add	*27,813.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2605	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	101,972.71	3,746.61
		For Class 52 Rating, Deduct	*-10,592.56*	
		For Class 54 Rating, Add	*14,512.52*	
		For Class 55 Rating, Add	*21,610.25*	
		For Class 56 Rating, Add	*28,611.69*	
40 05 19 00-2606	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	104,668.70	3,751.01
		For Class 52 Rating, Deduct	*-10,888.39*	
		For Class 54 Rating, Add	*14,916.00*	
		For Class 55 Rating, Add	*22,210.14*	
		For Class 56 Rating, Add	*29,405.28*	
40 05 19 00-2607	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	107,048.32	3,755.40
		For Class 52 Rating, Deduct	*-11,149.41*	
		For Class 54 Rating, Add	*15,272.03*	
		For Class 55 Rating, Add	*22,739.46*	
		For Class 56 Rating, Add	*30,105.54*	
40 05 19 00-2608	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	110,075.91	3,759.79
		For Class 52 Rating, Deduct	*-11,481.72*	
		For Class 54 Rating, Add	*15,725.25*	
		For Class 55 Rating, Add	*23,413.29*	
		For Class 56 Rating, Add	*30,996.96*	
40 05 19 00-2609	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	112,768.86	3,764.18
		For Class 52 Rating, Deduct	*-11,777.21*	
		For Class 54 Rating, Add	*16,128.27*	
		For Class 55 Rating, Add	*24,012.50*	
		For Class 56 Rating, Add	*31,789.66*	
40 05 19 00-2610	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	115,486.15	3,768.58
		For Class 52 Rating, Deduct	*-12,075.38*	
		For Class 54 Rating, Add	*16,534.95*	
		For Class 55 Rating, Add	*24,617.13*	
		For Class 56 Rating, Add	*32,589.53*	
40 05 19 00-2611	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	118,179.11	3,772.97
		For Class 52 Rating, Deduct	*-12,370.87*	
		For Class 54 Rating, Add	*16,937.97*	
		For Class 55 Rating, Add	*25,216.33*	
		For Class 56 Rating, Add	*33,382.23*	
40 05 19 00-2612	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	120,872.06	3,777.36
		For Class 52 Rating, Deduct	*-12,666.37*	
		For Class 54 Rating, Add	*17,341.00*	
		For Class 55 Rating, Add	*25,815.54*	
		For Class 56 Rating, Add	*34,174.93*	
40 05 19 00-2613	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	123,592.39	3,781.75
		For Class 52 Rating, Deduct	*-12,964.87*	
		For Class 54 Rating, Add	*17,748.13*	
		For Class 55 Rating, Add	*26,420.85*	
		For Class 56 Rating, Add	*34,975.70*	

40 05 19 00-2614 Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2615 4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2616	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	849.09	200.99
		For Class 52 Rating, Deduct	*-59.90*	
		For Class 54 Rating, Add	*85.34*	
		For Class 55 Rating, Add	*128.75*	
		For Class 56 Rating, Add	*171.61*	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	970.02	204.51
		For Class 52 Rating, Deduct	*-72.62*	
		For Class 54 Rating, Add	*102.74*	
		For Class 55 Rating, Add	*154.65*	
		For Class 56 Rating, Add	*205.90*	
40 05 19 00-2618	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,090.95	208.02
		For Class 52 Rating, Deduct	*-85.33*	
		For Class 54 Rating, Add	*120.15*	
		For Class 55 Rating, Add	*180.56*	
		For Class 56 Rating, Add	*240.20*	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,211.88	211.53
		For Class 52 Rating, Deduct	*-98.05*	
		For Class 54 Rating, Add	*137.55*	
		For Class 55 Rating, Add	*206.47*	
		For Class 56 Rating, Add	*274.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,332.81	215.05
		For Class 52 Rating, Deduct	*-110.77*	
		For Class 54 Rating, Add	*154.96*	
		For Class 55 Rating, Add	*232.38*	
		For Class 56 Rating, Add	*308.79*	
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,453.75	218.56
		For Class 52 Rating, Deduct	*-123.48*	
		For Class 54 Rating, Add	*172.36*	
		For Class 55 Rating, Add	*258.29*	
		For Class 56 Rating, Add	*343.09*	
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,574.66	222.08
		For Class 52 Rating, Deduct	*-136.20*	
		For Class 54 Rating, Add	*189.77*	
		For Class 55 Rating, Add	*284.19*	
		For Class 56 Rating, Add	*377.38*	
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,695.60	225.59
		For Class 52 Rating, Deduct	*-148.92*	
		For Class 54 Rating, Add	*207.17*	
		For Class 55 Rating, Add	*310.10*	
		For Class 56 Rating, Add	*411.68*	
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,816.52	229.10
		For Class 52 Rating, Deduct	*-161.63*	
		For Class 54 Rating, Add	*224.58*	
		For Class 55 Rating, Add	*336.01*	
		For Class 56 Rating, Add	*445.97*	
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,937.46	232.62
		For Class 52 Rating, Deduct	*-174.35*	
		For Class 54 Rating, Add	*241.98*	
		For Class 55 Rating, Add	*361.92*	
		For Class 56 Rating, Add	*480.27*	
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,058.38	236.13
		For Class 52 Rating, Deduct	*-187.07*	
		For Class 54 Rating, Add	*259.38*	
		For Class 55 Rating, Add	*387.82*	
		For Class 56 Rating, Add	*514.56*	
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,179.31	239.64
		For Class 52 Rating, Deduct	*-199.78*	
		For Class 54 Rating, Add	*276.79*	
		For Class 55 Rating, Add	*413.73*	
		For Class 56 Rating, Add	*548.86*	
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,300.24	243.16
		For Class 52 Rating, Deduct	*-212.50*	
		For Class 54 Rating, Add	*294.19*	
		For Class 55 Rating, Add	*439.64*	
		For Class 56 Rating, Add	*583.15*	
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,421.17	246.67
		For Class 52 Rating, Deduct	*-225.22*	
		For Class 54 Rating, Add	*311.60*	
		For Class 55 Rating, Add	*465.55*	
		For Class 56 Rating, Add	*617.45*	
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,542.10	250.19
		For Class 52 Rating, Deduct	*-237.93*	
		For Class 54 Rating, Add	*329.00*	
		For Class 55 Rating, Add	*491.45*	
		For Class 56 Rating, Add	*651.74*	
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,663.03	253.70
		For Class 52 Rating, Deduct	*-250.65*	
		For Class 54 Rating, Add	*346.41*	
		For Class 55 Rating, Add	*517.36*	
		For Class 56 Rating, Add	*686.04*	
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,783.96	257.21
		For Class 52 Rating, Deduct	*-263.37*	
		For Class 54 Rating, Add	*363.81*	
		For Class 55 Rating, Add	*543.27*	
		For Class 56 Rating, Add	*720.33*	
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,904.88	260.73
		For Class 52 Rating, Deduct	*-276.08*	
		For Class 54 Rating, Add	*381.22*	
		For Class 55 Rating, Add	*569.18*	
		For Class 56 Rating, Add	*754.63*	
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,025.81	264.24
		For Class 52 Rating, Deduct	*-288.80*	
		For Class 54 Rating, Add	*398.62*	
		For Class 55 Rating, Add	*595.08*	
		For Class 56 Rating, Add	*788.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,146.75	267.75
		For Class 52 Rating, Deduct	*-301.52*	
		For Class 54 Rating, Add	*416.03*	
		For Class 55 Rating, Add	*620.99*	
		For Class 56 Rating, Add	*823.22*	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,267.67	271.27
		For Class 52 Rating, Deduct	*-314.23*	
		For Class 54 Rating, Add	*433.43*	
		For Class 55 Rating, Add	*646.90*	
		For Class 56 Rating, Add	*857.51*	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,388.61	274.78
		For Class 52 Rating, Deduct	*-326.95*	
		For Class 54 Rating, Add	*450.84*	
		For Class 55 Rating, Add	*672.81*	
		For Class 56 Rating, Add	*891.81*	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,509.53	278.30
		For Class 52 Rating, Deduct	*-339.67*	
		For Class 54 Rating, Add	*468.24*	
		For Class 55 Rating, Add	*698.71*	
		For Class 56 Rating, Add	*926.10*	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,630.46	281.81
		For Class 52 Rating, Deduct	*-352.38*	
		For Class 54 Rating, Add	*485.65*	
		For Class 55 Rating, Add	*724.62*	
		For Class 56 Rating, Add	*960.40*	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,751.39	285.32
		For Class 52 Rating, Deduct	*-365.10*	
		For Class 54 Rating, Add	*503.05*	
		For Class 55 Rating, Add	*750.53*	
		For Class 56 Rating, Add	*994.69*	
40 05 19 00-2641	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,872.32	288.84
		For Class 52 Rating, Deduct	*-377.82*	
		For Class 54 Rating, Add	*520.46*	
		For Class 55 Rating, Add	*776.44*	
		For Class 56 Rating, Add	*1,028.99*	
40 05 19 00-2642	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,993.25	292.35
		For Class 52 Rating, Deduct	*-390.53*	
		For Class 54 Rating, Add	*537.86*	
		For Class 55 Rating, Add	*802.35*	
		For Class 56 Rating, Add	*1,063.28*	
40 05 19 00-2643	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,114.18	295.86
		For Class 52 Rating, Deduct	*-403.25*	
		For Class 54 Rating, Add	*555.26*	
		For Class 55 Rating, Add	*828.25*	
		For Class 56 Rating, Add	*1,097.58*	
40 05 19 00-2644	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,235.11	299.38
		For Class 52 Rating, Deduct	*-415.97*	
		For Class 54 Rating, Add	*572.67*	
		For Class 55 Rating, Add	*854.16*	
		For Class 56 Rating, Add	*1,131.87*	
40 05 19 00-2645	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,356.03	302.89
		For Class 52 Rating, Deduct	*-428.68*	
		For Class 54 Rating, Add	*590.07*	
		For Class 55 Rating, Add	*880.07*	
		For Class 56 Rating, Add	*1,166.17*	
40 05 19 00-2646	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,476.96	306.41
		For Class 52 Rating, Deduct	*-441.40*	
		For Class 54 Rating, Add	*607.48*	
		For Class 55 Rating, Add	*905.98*	
		For Class 56 Rating, Add	*1,200.46*	
40 05 19 00-2647	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,597.90	309.92
		For Class 52 Rating, Deduct	*-454.12*	
		For Class 54 Rating, Add	*624.88*	
		For Class 55 Rating, Add	*931.89*	
		For Class 56 Rating, Add	*1,234.76*	
40 05 19 00-2648	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,718.82	313.43
		For Class 52 Rating, Deduct	*-466.83*	
		For Class 54 Rating, Add	*642.29*	
		For Class 55 Rating, Add	*957.79*	
		For Class 56 Rating, Add	*1,269.05*	
40 05 19 00-2649	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,839.76	316.95
		For Class 52 Rating, Deduct	*-479.55*	
		For Class 54 Rating, Add	*659.69*	
		For Class 55 Rating, Add	*983.70*	
		For Class 56 Rating, Add	*1,303.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2650	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,960.68	320.46
		For Class 52 Rating, Deduct	*-492.27*	
		For Class 54 Rating, Add	*677.10*	
		For Class 55 Rating, Add	*1,009.61*	
		For Class 56 Rating, Add	*1,337.65*	
40 05 19 00-2651	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,081.61	323.97
		For Class 52 Rating, Deduct	*-504.98*	
		For Class 54 Rating, Add	*694.50*	
		For Class 55 Rating, Add	*1,035.52*	
		For Class 56 Rating, Add	*1,371.94*	
40 05 19 00-2652	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,202.54	327.49
		For Class 52 Rating, Deduct	*-517.70*	
		For Class 54 Rating, Add	*711.91*	
		For Class 55 Rating, Add	*1,061.42*	
		For Class 56 Rating, Add	*1,406.24*	
40 05 19 00-2653	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,293.05	331.00
		For Class 52 Rating, Deduct	*-527.07*	
		For Class 54 Rating, Add	*724.75*	
		For Class 55 Rating, Add	*1,080.55*	
		For Class 56 Rating, Add	*1,431.56*	
40 05 19 00-2654	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,444.41	334.52
		For Class 52 Rating, Deduct	*-543.13*	
		For Class 54 Rating, Add	*746.72*	
		For Class 55 Rating, Add	*1,113.24*	
		For Class 56 Rating, Add	*1,474.83*	

40 05 19 00-2655 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,098.25	252.99
		For Class 52 Rating, Deduct	*-78.64*	
		For Class 54 Rating, Add	*111.84*	
		For Class 55 Rating, Add	*168.63*	
		For Class 56 Rating, Add	*224.70*	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,237.43	256.51
		For Class 52 Rating, Deduct	*-93.37*	
		For Class 54 Rating, Add	*131.98*	
		For Class 55 Rating, Add	*198.61*	
		For Class 56 Rating, Add	*264.38*	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,376.61	260.02
		For Class 52 Rating, Deduct	*-108.09*	
		For Class 54 Rating, Add	*152.12*	
		For Class 55 Rating, Add	*228.58*	
		For Class 56 Rating, Add	*304.06*	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,515.80	263.53
		For Class 52 Rating, Deduct	*-122.82*	
		For Class 54 Rating, Add	*172.27*	
		For Class 55 Rating, Add	*258.56*	
		For Class 56 Rating, Add	*343.74*	
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,654.99	267.05
		For Class 52 Rating, Deduct	*-137.54*	
		For Class 54 Rating, Add	*192.41*	
		For Class 55 Rating, Add	*288.54*	
		For Class 56 Rating, Add	*383.42*	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,794.17	270.56
		For Class 52 Rating, Deduct	*-152.26*	
		For Class 54 Rating, Add	*212.55*	
		For Class 55 Rating, Add	*318.52*	
		For Class 56 Rating, Add	*423.10*	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,933.35	274.07
		For Class 52 Rating, Deduct	*-166.99*	
		For Class 54 Rating, Add	*232.70*	
		For Class 55 Rating, Add	*348.50*	
		For Class 56 Rating, Add	*462.78*	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,072.53	277.59
		For Class 52 Rating, Deduct	*-181.71*	
		For Class 54 Rating, Add	*252.84*	
		For Class 55 Rating, Add	*378.48*	
		For Class 56 Rating, Add	*502.46*	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,211.71	281.10
		For Class 52 Rating, Deduct	*-196.44*	
		For Class 54 Rating, Add	*272.98*	
		For Class 55 Rating, Add	*408.45*	
		For Class 56 Rating, Add	*542.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,350.89	284.62
		For Class 52 Rating, Deduct	*-211.16*	
		For Class 54 Rating, Add	*293.12*	
		For Class 55 Rating, Add	*438.43*	
		For Class 56 Rating, Add	*581.82*	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,490.08	288.13
		For Class 52 Rating, Deduct	*-225.89*	
		For Class 54 Rating, Add	*313.27*	
		For Class 55 Rating, Add	*468.41*	
		For Class 56 Rating, Add	*621.50*	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,629.26	291.64
		For Class 52 Rating, Deduct	*-240.61*	
		For Class 54 Rating, Add	*333.41*	
		For Class 55 Rating, Add	*498.39*	
		For Class 56 Rating, Add	*661.18*	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,768.44	295.16
		For Class 52 Rating, Deduct	*-255.34*	
		For Class 54 Rating, Add	*353.55*	
		For Class 55 Rating, Add	*528.37*	
		For Class 56 Rating, Add	*700.86*	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,907.63	298.67
		For Class 52 Rating, Deduct	*-270.06*	
		For Class 54 Rating, Add	*373.69*	
		For Class 55 Rating, Add	*558.35*	
		For Class 56 Rating, Add	*740.54*	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,046.81	302.19
		For Class 52 Rating, Deduct	*-284.78*	
		For Class 54 Rating, Add	*393.84*	
		For Class 55 Rating, Add	*588.32*	
		For Class 56 Rating, Add	*780.22*	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,185.99	305.70
		For Class 52 Rating, Deduct	*-299.51*	
		For Class 54 Rating, Add	*413.98*	
		For Class 55 Rating, Add	*618.30*	
		For Class 56 Rating, Add	*819.90*	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,325.17	309.21
		For Class 52 Rating, Deduct	*-314.23*	
		For Class 54 Rating, Add	*434.12*	
		For Class 55 Rating, Add	*648.28*	
		For Class 56 Rating, Add	*859.58*	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,464.35	312.73
		For Class 52 Rating, Deduct	*-328.96*	
		For Class 54 Rating, Add	*454.26*	
		For Class 55 Rating, Add	*678.26*	
		For Class 56 Rating, Add	*899.26*	
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,603.54	316.24
		For Class 52 Rating, Deduct	*-343.68*	
		For Class 54 Rating, Add	*474.41*	
		For Class 55 Rating, Add	*708.24*	
		For Class 56 Rating, Add	*938.94*	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,742.72	319.75
		For Class 52 Rating, Deduct	*-358.41*	
		For Class 54 Rating, Add	*494.55*	
		For Class 55 Rating, Add	*738.22*	
		For Class 56 Rating, Add	*978.62*	
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,881.91	323.27
		For Class 52 Rating, Deduct	*-373.13*	
		For Class 54 Rating, Add	*514.69*	
		For Class 55 Rating, Add	*768.19*	
		For Class 56 Rating, Add	*1,018.30*	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,021.09	326.78
		For Class 52 Rating, Deduct	*-387.86*	
		For Class 54 Rating, Add	*534.84*	
		For Class 55 Rating, Add	*798.17*	
		For Class 56 Rating, Add	*1,057.98*	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,160.27	330.30
		For Class 52 Rating, Deduct	*-402.58*	
		For Class 54 Rating, Add	*554.98*	
		For Class 55 Rating, Add	*828.15*	
		For Class 56 Rating, Add	*1,097.66*	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,299.44	333.81
		For Class 52 Rating, Deduct	*-417.30*	
		For Class 54 Rating, Add	*575.12*	
		For Class 55 Rating, Add	*858.13*	
		For Class 56 Rating, Add	*1,137.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2680	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,438.63	337.32
		For Class 52 Rating, Deduct	*-432.03*	
		For Class 54 Rating, Add	*595.26*	
		For Class 55 Rating, Add	*888.11*	
		For Class 56 Rating, Add	*1,177.02*	
40 05 19 00-2681	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,577.82	340.84
		For Class 52 Rating, Deduct	*-446.75*	
		For Class 54 Rating, Add	*615.41*	
		For Class 55 Rating, Add	*918.08*	
		For Class 56 Rating, Add	*1,216.70*	
40 05 19 00-2682	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,717.00	344.35
		For Class 52 Rating, Deduct	*-461.48*	
		For Class 54 Rating, Add	*635.55*	
		For Class 55 Rating, Add	*948.06*	
		For Class 56 Rating, Add	*1,256.38*	
40 05 19 00-2683	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,856.19	347.86
		For Class 52 Rating, Deduct	*-476.20*	
		For Class 54 Rating, Add	*655.69*	
		For Class 55 Rating, Add	*978.04*	
		For Class 56 Rating, Add	*1,296.06*	
40 05 19 00-2684	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,995.37	351.38
		For Class 52 Rating, Deduct	*-490.93*	
		For Class 54 Rating, Add	*675.83*	
		For Class 55 Rating, Add	*1,008.02*	
		For Class 56 Rating, Add	*1,335.74*	
40 05 19 00-2685	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,134.54	354.89
		For Class 52 Rating, Deduct	*-505.65*	
		For Class 54 Rating, Add	*695.98*	
		For Class 55 Rating, Add	*1,038.00*	
		For Class 56 Rating, Add	*1,375.42*	
40 05 19 00-2686	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,273.72	358.41
		For Class 52 Rating, Deduct	*-520.37*	
		For Class 54 Rating, Add	*716.12*	
		For Class 55 Rating, Add	*1,067.97*	
		For Class 56 Rating, Add	*1,415.10*	
40 05 19 00-2687	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,412.91	361.92
		For Class 52 Rating, Deduct	*-535.10*	
		For Class 54 Rating, Add	*736.26*	
		For Class 55 Rating, Add	*1,097.95*	
		For Class 56 Rating, Add	*1,454.78*	
40 05 19 00-2688	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,552.10	365.43
		For Class 52 Rating, Deduct	*-549.82*	
		For Class 54 Rating, Add	*756.40*	
		For Class 55 Rating, Add	*1,127.93*	
		For Class 56 Rating, Add	*1,494.46*	
40 05 19 00-2689	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,691.28	368.95
		For Class 52 Rating, Deduct	*-564.55*	
		For Class 54 Rating, Add	*776.55*	
		For Class 55 Rating, Add	*1,157.91*	
		For Class 56 Rating, Add	*1,534.14*	
40 05 19 00-2690	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,830.46	372.46
		For Class 52 Rating, Deduct	*-579.27*	
		For Class 54 Rating, Add	*796.69*	
		For Class 55 Rating, Add	*1,187.89*	
		For Class 56 Rating, Add	*1,573.82*	
40 05 19 00-2691	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,969.64	375.97
		For Class 52 Rating, Deduct	*-594.00*	
		For Class 54 Rating, Add	*816.83*	
		For Class 55 Rating, Add	*1,217.87*	
		For Class 56 Rating, Add	*1,613.50*	
40 05 19 00-2692	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,108.82	379.49
		For Class 52 Rating, Deduct	*-608.72*	
		For Class 54 Rating, Add	*836.97*	
		For Class 55 Rating, Add	*1,247.84*	
		For Class 56 Rating, Add	*1,653.18*	
40 05 19 00-2693	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,248.00	383.00
		For Class 52 Rating, Deduct	*-623.45*	
		For Class 54 Rating, Add	*857.12*	
		For Class 55 Rating, Add	*1,277.82*	
		For Class 56 Rating, Add	*1,692.86*	
40 05 19 00-2694	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,387.19	386.53
		For Class 52 Rating, Deduct	*-638.17*	
		For Class 54 Rating, Add	*877.26*	
		For Class 55 Rating, Add	*1,307.80*	
		For Class 56 Rating, Add	*1,732.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2695		8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,505.92	323.27
		For Class 52 Rating, Deduct	*-111.77*	
		For Class 54 Rating, Add	*158.29*	
		For Class 55 Rating, Add	*238.35*	
		For Class 56 Rating, Add	*317.39*	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,684.65	326.78
		For Class 52 Rating, Deduct	*-130.85*	
		For Class 54 Rating, Add	*184.37*	
		For Class 55 Rating, Add	*277.15*	
		For Class 56 Rating, Add	*368.73*	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,863.38	330.30
		For Class 52 Rating, Deduct	*-149.92*	
		For Class 54 Rating, Add	*210.44*	
		For Class 55 Rating, Add	*315.94*	
		For Class 56 Rating, Add	*420.08*	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,042.10	333.81
		For Class 52 Rating, Deduct	*-169.00*	
		For Class 54 Rating, Add	*236.52*	
		For Class 55 Rating, Add	*354.74*	
		For Class 56 Rating, Add	*471.43*	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,220.84	337.32
		For Class 52 Rating, Deduct	*-188.07*	
		For Class 54 Rating, Add	*262.59*	
		For Class 55 Rating, Add	*393.54*	
		For Class 56 Rating, Add	*522.77*	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,399.58	340.84
		For Class 52 Rating, Deduct	*-207.15*	
		For Class 54 Rating, Add	*288.67*	
		For Class 55 Rating, Add	*432.34*	
		For Class 56 Rating, Add	*574.12*	
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,578.30	344.35
		For Class 52 Rating, Deduct	*-226.22*	
		For Class 54 Rating, Add	*314.74*	
		For Class 55 Rating, Add	*471.13*	
		For Class 56 Rating, Add	*625.47*	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,757.04	347.86
		For Class 52 Rating, Deduct	*-245.30*	
		For Class 54 Rating, Add	*340.82*	
		For Class 55 Rating, Add	*509.93*	
		For Class 56 Rating, Add	*676.81*	
40 05 19 00-2704	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,935.77	351.38
		For Class 52 Rating, Deduct	*-264.37*	
		For Class 54 Rating, Add	*366.89*	
		For Class 55 Rating, Add	*548.73*	
		For Class 56 Rating, Add	*728.16*	
40 05 19 00-2705	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,114.50	354.89
		For Class 52 Rating, Deduct	*-283.45*	
		For Class 54 Rating, Add	*392.97*	
		For Class 55 Rating, Add	*587.53*	
		For Class 56 Rating, Add	*779.51*	
40 05 19 00-2706	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,293.22	358.41
		For Class 52 Rating, Deduct	*-302.52*	
		For Class 54 Rating, Add	*419.04*	
		For Class 55 Rating, Add	*626.32*	
		For Class 56 Rating, Add	*830.85*	
40 05 19 00-2707	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,471.96	361.92
		For Class 52 Rating, Deduct	*-321.59*	
		For Class 54 Rating, Add	*445.12*	
		For Class 55 Rating, Add	*665.12*	
		For Class 56 Rating, Add	*882.20*	
40 05 19 00-2708	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,650.70	365.43
		For Class 52 Rating, Deduct	*-340.67*	
		For Class 54 Rating, Add	*471.19*	
		For Class 55 Rating, Add	*703.92*	
		For Class 56 Rating, Add	*933.55*	
40 05 19 00-2709	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,829.43	368.95
		For Class 52 Rating, Deduct	*-359.75*	
		For Class 54 Rating, Add	*497.27*	
		For Class 55 Rating, Add	*742.72*	
		For Class 56 Rating, Add	*984.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,008.16	372.46
		For Class 52 Rating, Deduct	*-378.82*	
		For Class 54 Rating, Add	*523.35*	
		For Class 55 Rating, Add	*781.52*	
		For Class 56 Rating, Add	*1,036.24*	
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,186.88	375.97
		For Class 52 Rating, Deduct	*-397.89*	
		For Class 54 Rating, Add	*549.42*	
		For Class 55 Rating, Add	*820.31*	
		For Class 56 Rating, Add	*1,087.59*	
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,365.62	379.49
		For Class 52 Rating, Deduct	*-416.97*	
		For Class 54 Rating, Add	*575.49*	
		For Class 55 Rating, Add	*859.11*	
		For Class 56 Rating, Add	*1,138.94*	
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,544.35	383.00
		For Class 52 Rating, Deduct	*-436.04*	
		For Class 54 Rating, Add	*601.57*	
		For Class 55 Rating, Add	*897.91*	
		For Class 56 Rating, Add	*1,190.28*	
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,723.09	386.53
		For Class 52 Rating, Deduct	*-455.12*	
		For Class 54 Rating, Add	*627.65*	
		For Class 55 Rating, Add	*936.71*	
		For Class 56 Rating, Add	*1,241.63*	
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,901.82	390.04
		For Class 52 Rating, Deduct	*-474.19*	
		For Class 54 Rating, Add	*653.72*	
		For Class 55 Rating, Add	*975.50*	
		For Class 56 Rating, Add	*1,292.98*	
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,080.54	393.55
		For Class 52 Rating, Deduct	*-493.27*	
		For Class 54 Rating, Add	*679.79*	
		For Class 55 Rating, Add	*1,014.30*	
		For Class 56 Rating, Add	*1,344.32*	
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,259.28	397.07
		For Class 52 Rating, Deduct	*-512.34*	
		For Class 54 Rating, Add	*705.87*	
		For Class 55 Rating, Add	*1,053.10*	
		For Class 56 Rating, Add	*1,395.67*	
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,438.01	400.58
		For Class 52 Rating, Deduct	*-531.42*	
		For Class 54 Rating, Add	*731.95*	
		For Class 55 Rating, Add	*1,091.90*	
		For Class 56 Rating, Add	*1,447.02*	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,616.74	404.09
		For Class 52 Rating, Deduct	*-550.49*	
		For Class 54 Rating, Add	*758.02*	
		For Class 55 Rating, Add	*1,130.69*	
		For Class 56 Rating, Add	*1,498.36*	
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,795.47	407.61
		For Class 52 Rating, Deduct	*-569.57*	
		For Class 54 Rating, Add	*784.09*	
		For Class 55 Rating, Add	*1,169.49*	
		For Class 56 Rating, Add	*1,549.71*	
40 05 19 00-2721	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,974.21	411.12
		For Class 52 Rating, Deduct	*-588.64*	
		For Class 54 Rating, Add	*810.17*	
		For Class 55 Rating, Add	*1,208.29*	
		For Class 56 Rating, Add	*1,601.06*	
40 05 19 00-2722	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,152.94	414.64
		For Class 52 Rating, Deduct	*-607.72*	
		For Class 54 Rating, Add	*836.25*	
		For Class 55 Rating, Add	*1,247.09*	
		For Class 56 Rating, Add	*1,652.41*	
40 05 19 00-2723	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,331.67	418.15
		For Class 52 Rating, Deduct	*-626.79*	
		For Class 54 Rating, Add	*862.32*	
		For Class 55 Rating, Add	*1,285.89*	
		For Class 56 Rating, Add	*1,703.75*	
40 05 19 00-2724	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,510.40	421.66
		For Class 52 Rating, Deduct	*-645.87*	
		For Class 54 Rating, Add	*888.39*	
		For Class 55 Rating, Add	*1,324.68*	
		For Class 56 Rating, Add	*1,755.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2725	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,689.13	425.18
		For Class 52 Rating, Deduct	*-664.94*	
		For Class 54 Rating, Add	*914.47*	
		For Class 55 Rating, Add	*1,363.48*	
		For Class 56 Rating, Add	*1,806.45*	
40 05 19 00-2726	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,867.87	428.69
		For Class 52 Rating, Deduct	*-684.02*	
		For Class 54 Rating, Add	*940.55*	
		For Class 55 Rating, Add	*1,402.28*	
		For Class 56 Rating, Add	*1,857.79*	
40 05 19 00-2727	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,046.59	432.20
		For Class 52 Rating, Deduct	*-703.09*	
		For Class 54 Rating, Add	*966.62*	
		For Class 55 Rating, Add	*1,441.08*	
		For Class 56 Rating, Add	*1,909.14*	
40 05 19 00-2728	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,225.32	435.72
		For Class 52 Rating, Deduct	*-722.17*	
		For Class 54 Rating, Add	*992.69*	
		For Class 55 Rating, Add	*1,479.87*	
		For Class 56 Rating, Add	*1,960.49*	
40 05 19 00-2729	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,404.06	439.23
		For Class 52 Rating, Deduct	*-741.24*	
		For Class 54 Rating, Add	*1,018.77*	
		For Class 55 Rating, Add	*1,518.67*	
		For Class 56 Rating, Add	*2,011.83*	
40 05 19 00-2730	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,582.79	442.75
		For Class 52 Rating, Deduct	*-760.32*	
		For Class 54 Rating, Add	*1,044.85*	
		For Class 55 Rating, Add	*1,557.47*	
		For Class 56 Rating, Add	*2,063.18*	
40 05 19 00-2731	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,761.53	446.26
		For Class 52 Rating, Deduct	*-779.39*	
		For Class 54 Rating, Add	*1,070.92*	
		For Class 55 Rating, Add	*1,596.27*	
		For Class 56 Rating, Add	*2,114.53*	
40 05 19 00-2732	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,940.25	449.77
		For Class 52 Rating, Deduct	*-798.47*	
		For Class 54 Rating, Add	*1,096.99*	
		For Class 55 Rating, Add	*1,635.06*	
		For Class 56 Rating, Add	*2,165.87*	
40 05 19 00-2733	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,118.98	453.29
		For Class 52 Rating, Deduct	*-817.54*	
		For Class 54 Rating, Add	*1,123.07*	
		For Class 55 Rating, Add	*1,673.86*	
		For Class 56 Rating, Add	*2,217.22*	
40 05 19 00-2734	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,297.71	456.80
		For Class 52 Rating, Deduct	*-836.62*	
		For Class 54 Rating, Add	*1,149.15*	
		For Class 55 Rating, Add	*1,712.66*	
		For Class 56 Rating, Add	*2,268.57*	

40 05 19 00-2735 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,892.27	393.55
		For Class 52 Rating, Deduct	*-142.56*	
		For Class 54 Rating, Add	*201.55*	
		For Class 55 Rating, Add	*303.32*	
		For Class 56 Rating, Add	*403.78*	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,122.73	397.07
		For Class 52 Rating, Deduct	*-167.32*	
		For Class 54 Rating, Add	*235.39*	
		For Class 55 Rating, Add	*353.65*	
		For Class 56 Rating, Add	*470.39*	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,353.18	400.58
		For Class 52 Rating, Deduct	*-192.09*	
		For Class 54 Rating, Add	*269.22*	
		For Class 55 Rating, Add	*403.98*	
		For Class 56 Rating, Add	*536.99*	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,583.63	404.09
		For Class 52 Rating, Deduct	*-216.85*	
		For Class 54 Rating, Add	*303.05*	
		For Class 55 Rating, Add	*454.31*	
		For Class 56 Rating, Add	*603.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2740	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,814.08	407.61
		For Class 52 Rating, Deduct	*-241.62*	
		For Class 54 Rating, Add	*336.89*	
		For Class 55 Rating, Add	*504.64*	
		For Class 56 Rating, Add	*670.20*	
40 05 19 00-2741	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,044.53	411.12
		For Class 52 Rating, Deduct	*-266.38*	
		For Class 54 Rating, Add	*370.72*	
		For Class 55 Rating, Add	*554.97*	
		For Class 56 Rating, Add	*736.80*	
40 05 19 00-2742	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,274.98	414.64
		For Class 52 Rating, Deduct	*-291.14*	
		For Class 54 Rating, Add	*404.55*	
		For Class 55 Rating, Add	*605.30*	
		For Class 56 Rating, Add	*803.41*	
40 05 19 00-2743	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,505.42	418.15
		For Class 52 Rating, Deduct	*-315.91*	
		For Class 54 Rating, Add	*438.38*	
		For Class 55 Rating, Add	*655.63*	
		For Class 56 Rating, Add	*870.01*	
40 05 19 00-2744	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,735.88	421.66
		For Class 52 Rating, Deduct	*-340.67*	
		For Class 54 Rating, Add	*472.22*	
		For Class 55 Rating, Add	*705.96*	
		For Class 56 Rating, Add	*936.61*	
40 05 19 00-2745	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,966.33	425.18
		For Class 52 Rating, Deduct	*-365.43*	
		For Class 54 Rating, Add	*506.05*	
		For Class 55 Rating, Add	*756.30*	
		For Class 56 Rating, Add	*1,003.22*	
40 05 19 00-2746	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,196.78	428.69
		For Class 52 Rating, Deduct	*-390.20*	
		For Class 54 Rating, Add	*539.88*	
		For Class 55 Rating, Add	*806.63*	
		For Class 56 Rating, Add	*1,069.82*	
40 05 19 00-2747	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,427.22	432.20
		For Class 52 Rating, Deduct	*-414.96*	
		For Class 54 Rating, Add	*573.72*	
		For Class 55 Rating, Add	*856.96*	
		For Class 56 Rating, Add	*1,136.43*	
40 05 19 00-2748	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,657.67	435.72
		For Class 52 Rating, Deduct	*-439.73*	
		For Class 54 Rating, Add	*607.55*	
		For Class 55 Rating, Add	*907.29*	
		For Class 56 Rating, Add	*1,203.03*	
40 05 19 00-2749	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,888.13	439.23
		For Class 52 Rating, Deduct	*-464.49*	
		For Class 54 Rating, Add	*641.38*	
		For Class 55 Rating, Add	*957.62*	
		For Class 56 Rating, Add	*1,269.63*	
40 05 19 00-2750	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,118.57	442.75
		For Class 52 Rating, Deduct	*-489.25*	
		For Class 54 Rating, Add	*675.21*	
		For Class 55 Rating, Add	*1,007.95*	
		For Class 56 Rating, Add	*1,336.24*	
40 05 19 00-2751	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,349.03	446.26
		For Class 52 Rating, Deduct	*-514.02*	
		For Class 54 Rating, Add	*709.05*	
		For Class 55 Rating, Add	*1,058.28*	
		For Class 56 Rating, Add	*1,402.84*	
40 05 19 00-2752	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,579.48	449.77
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*742.88*	
		For Class 55 Rating, Add	*1,108.61*	
		For Class 56 Rating, Add	*1,469.45*	
40 05 19 00-2753	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,809.92	453.29
		For Class 52 Rating, Deduct	*-563.54*	
		For Class 54 Rating, Add	*776.71*	
		For Class 55 Rating, Add	*1,158.94*	
		For Class 56 Rating, Add	*1,536.05*	
40 05 19 00-2754	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,040.37	456.80
		For Class 52 Rating, Deduct	*-588.31*	
		For Class 54 Rating, Add	*810.54*	
		For Class 55 Rating, Add	*1,209.27*	
		For Class 56 Rating, Add	*1,602.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,270.82	460.32
		For Class 52 Rating, Deduct	*-613.07*	
		For Class 54 Rating, Add	*844.38*	
		For Class 55 Rating, Add	*1,259.60*	
		For Class 56 Rating, Add	*1,669.25*	
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,501.28	463.83
		For Class 52 Rating, Deduct	*-637.84*	
		For Class 54 Rating, Add	*878.21*	
		For Class 55 Rating, Add	*1,309.93*	
		For Class 56 Rating, Add	*1,735.86*	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,731.73	467.34
		For Class 52 Rating, Deduct	*-662.60*	
		For Class 54 Rating, Add	*912.04*	
		For Class 55 Rating, Add	*1,360.27*	
		For Class 56 Rating, Add	*1,802.47*	
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,962.18	470.86
		For Class 52 Rating, Deduct	*-687.36*	
		For Class 54 Rating, Add	*945.88*	
		For Class 55 Rating, Add	*1,410.60*	
		For Class 56 Rating, Add	*1,869.07*	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,192.62	474.37
		For Class 52 Rating, Deduct	*-712.13*	
		For Class 54 Rating, Add	*979.71*	
		For Class 55 Rating, Add	*1,460.93*	
		For Class 56 Rating, Add	*1,935.67*	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,423.07	477.88
		For Class 52 Rating, Deduct	*-736.89*	
		For Class 54 Rating, Add	*1,013.54*	
		For Class 55 Rating, Add	*1,511.26*	
		For Class 56 Rating, Add	*2,002.27*	
40 05 19 00-2761	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,653.52	481.40
		For Class 52 Rating, Deduct	*-761.66*	
		For Class 54 Rating, Add	*1,047.37*	
		For Class 55 Rating, Add	*1,561.59*	
		For Class 56 Rating, Add	*2,068.88*	
40 05 19 00-2762	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,883.97	484.91
		For Class 52 Rating, Deduct	*-786.42*	
		For Class 54 Rating, Add	*1,081.21*	
		For Class 55 Rating, Add	*1,611.92*	
		For Class 56 Rating, Add	*2,135.48*	
40 05 19 00-2763	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,114.43	488.43
		For Class 52 Rating, Deduct	*-811.18*	
		For Class 54 Rating, Add	*1,115.04*	
		For Class 55 Rating, Add	*1,662.25*	
		For Class 56 Rating, Add	*2,202.09*	
40 05 19 00-2764	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,344.88	491.94
		For Class 52 Rating, Deduct	*-835.95*	
		For Class 54 Rating, Add	*1,148.87*	
		For Class 55 Rating, Add	*1,712.58*	
		For Class 56 Rating, Add	*2,268.69*	
40 05 19 00-2765	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,575.32	495.45
		For Class 52 Rating, Deduct	*-860.71*	
		For Class 54 Rating, Add	*1,182.70*	
		For Class 55 Rating, Add	*1,762.91*	
		For Class 56 Rating, Add	*2,335.29*	
40 05 19 00-2766	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,805.77	498.97
		For Class 52 Rating, Deduct	*-885.47*	
		For Class 54 Rating, Add	*1,216.54*	
		For Class 55 Rating, Add	*1,813.24*	
		For Class 56 Rating, Add	*2,401.90*	
40 05 19 00-2767	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,036.22	502.48
		For Class 52 Rating, Deduct	*-910.24*	
		For Class 54 Rating, Add	*1,250.37*	
		For Class 55 Rating, Add	*1,863.57*	
		For Class 56 Rating, Add	*2,468.50*	
40 05 19 00-2768	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,266.67	505.99
		For Class 52 Rating, Deduct	*-935.00*	
		For Class 54 Rating, Add	*1,284.20*	
		For Class 55 Rating, Add	*1,913.90*	
		For Class 56 Rating, Add	*2,535.11*	
40 05 19 00-2769	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,497.12	509.51
		For Class 52 Rating, Deduct	*-959.77*	
		For Class 54 Rating, Add	*1,318.03*	
		For Class 55 Rating, Add	*1,964.23*	
		For Class 56 Rating, Add	*2,601.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2770	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,727.57	513.02
		For Class 52 Rating, Deduct	*-984.53*	
		For Class 54 Rating, Add	*1,351.87*	
		For Class 55 Rating, Add	*2,014.57*	
		For Class 56 Rating, Add	*2,668.31*	
40 05 19 00-2771	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,958.02	516.54
		For Class 52 Rating, Deduct	*-1,009.29*	
		For Class 54 Rating, Add	*1,385.70*	
		For Class 55 Rating, Add	*2,064.90*	
		For Class 56 Rating, Add	*2,734.92*	
40 05 19 00-2772	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,188.47	520.05
		For Class 52 Rating, Deduct	*-1,034.06*	
		For Class 54 Rating, Add	*1,419.53*	
		For Class 55 Rating, Add	*2,115.23*	
		For Class 56 Rating, Add	*2,801.52*	
40 05 19 00-2773	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,418.92	523.56
		For Class 52 Rating, Deduct	*-1,058.82*	
		For Class 54 Rating, Add	*1,453.37*	
		For Class 55 Rating, Add	*2,165.56*	
		For Class 56 Rating, Add	*2,868.12*	
40 05 19 00-2774	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,649.37	527.08
		For Class 52 Rating, Deduct	*-1,083.58*	
		For Class 54 Rating, Add	*1,487.20*	
		For Class 55 Rating, Add	*2,215.89*	
		For Class 56 Rating, Add	*2,934.73*	

40 05 19 00-2775 12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2776	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,449.01	491.94
		For Class 52 Rating, Deduct	*-187.40*	
		For Class 54 Rating, Add	*264.49*	
		For Class 55 Rating, Add	*397.80*	
		For Class 56 Rating, Add	*529.41*	
40 05 19 00-2777	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,734.22	495.45
		For Class 52 Rating, Deduct	*-218.19*	
		For Class 54 Rating, Add	*306.54*	
		For Class 55 Rating, Add	*460.35*	
		For Class 56 Rating, Add	*612.17*	
40 05 19 00-2778	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,019.43	498.97
		For Class 52 Rating, Deduct	*-248.98*	
		For Class 54 Rating, Add	*348.59*	
		For Class 55 Rating, Add	*522.89*	
		For Class 56 Rating, Add	*694.93*	
40 05 19 00-2779	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,304.64	502.48
		For Class 52 Rating, Deduct	*-279.76*	
		For Class 54 Rating, Add	*390.63*	
		For Class 55 Rating, Add	*585.43*	
		For Class 56 Rating, Add	*777.68*	
40 05 19 00-2780	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,589.85	505.99
		For Class 52 Rating, Deduct	*-310.55*	
		For Class 54 Rating, Add	*432.68*	
		For Class 55 Rating, Add	*647.97*	
		For Class 56 Rating, Add	*860.44*	
40 05 19 00-2781	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,875.06	509.51
		For Class 52 Rating, Deduct	*-341.34*	
		For Class 54 Rating, Add	*474.73*	
		For Class 55 Rating, Add	*710.51*	
		For Class 56 Rating, Add	*943.20*	
40 05 19 00-2782	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,160.27	513.02
		For Class 52 Rating, Deduct	*-372.13*	
		For Class 54 Rating, Add	*516.77*	
		For Class 55 Rating, Add	*773.06*	
		For Class 56 Rating, Add	*1,025.96*	
40 05 19 00-2783	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,445.48	516.54
		For Class 52 Rating, Deduct	*-402.91*	
		For Class 54 Rating, Add	*558.82*	
		For Class 55 Rating, Add	*835.60*	
		For Class 56 Rating, Add	*1,108.72*	
40 05 19 00-2784	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,730.69	520.05
		For Class 52 Rating, Deduct	*-433.70*	
		For Class 54 Rating, Add	*600.87*	
		For Class 55 Rating, Add	*898.14*	
		For Class 56 Rating, Add	*1,191.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,015.90	523.56
		For Class 52 Rating, Deduct	*-464.49*	
		For Class 54 Rating, Add	*642.91*	
		For Class 55 Rating, Add	*960.68*	
		For Class 56 Rating, Add	*1,274.23*	
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,301.12	527.08
		For Class 52 Rating, Deduct	*-495.28*	
		For Class 54 Rating, Add	*684.96*	
		For Class 55 Rating, Add	*1,023.23*	
		For Class 56 Rating, Add	*1,356.99*	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,586.32	530.59
		For Class 52 Rating, Deduct	*-526.06*	
		For Class 54 Rating, Add	*727.01*	
		For Class 55 Rating, Add	*1,085.77*	
		For Class 56 Rating, Add	*1,439.75*	
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,871.53	534.10
		For Class 52 Rating, Deduct	*-556.85*	
		For Class 54 Rating, Add	*769.05*	
		For Class 55 Rating, Add	*1,148.31*	
		For Class 56 Rating, Add	*1,522.51*	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,156.74	537.62
		For Class 52 Rating, Deduct	*-587.64*	
		For Class 54 Rating, Add	*811.10*	
		For Class 55 Rating, Add	*1,210.85*	
		For Class 56 Rating, Add	*1,605.26*	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,441.95	541.13
		For Class 52 Rating, Deduct	*-618.43*	
		For Class 54 Rating, Add	*853.15*	
		For Class 55 Rating, Add	*1,273.40*	
		For Class 56 Rating, Add	*1,688.02*	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,727.17	544.65
		For Class 52 Rating, Deduct	*-649.21*	
		For Class 54 Rating, Add	*895.20*	
		For Class 55 Rating, Add	*1,335.94*	
		For Class 56 Rating, Add	*1,770.78*	
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,012.37	548.16
		For Class 52 Rating, Deduct	*-680.00*	
		For Class 54 Rating, Add	*937.24*	
		For Class 55 Rating, Add	*1,398.48*	
		For Class 56 Rating, Add	*1,853.54*	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,297.59	551.67
		For Class 52 Rating, Deduct	*-710.79*	
		For Class 54 Rating, Add	*979.29*	
		For Class 55 Rating, Add	*1,461.02*	
		For Class 56 Rating, Add	*1,936.30*	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,582.78	555.19
		For Class 52 Rating, Deduct	*-741.58*	
		For Class 54 Rating, Add	*1,021.33*	
		For Class 55 Rating, Add	*1,523.57*	
		For Class 56 Rating, Add	*2,019.05*	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,868.00	558.70
		For Class 52 Rating, Deduct	*-772.36*	
		For Class 54 Rating, Add	*1,063.38*	
		For Class 55 Rating, Add	*1,586.11*	
		For Class 56 Rating, Add	*2,101.81*	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,153.22	562.21
		For Class 52 Rating, Deduct	*-803.15*	
		For Class 54 Rating, Add	*1,105.43*	
		For Class 55 Rating, Add	*1,648.65*	
		For Class 56 Rating, Add	*2,184.57*	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,438.42	565.73
		For Class 52 Rating, Deduct	*-833.94*	
		For Class 54 Rating, Add	*1,147.47*	
		For Class 55 Rating, Add	*1,711.19*	
		For Class 56 Rating, Add	*2,267.33*	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,723.64	569.24
		For Class 52 Rating, Deduct	*-864.73*	
		For Class 54 Rating, Add	*1,189.52*	
		For Class 55 Rating, Add	*1,773.74*	
		For Class 56 Rating, Add	*2,350.09*	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,008.84	572.76
		For Class 52 Rating, Deduct	*-895.51*	
		For Class 54 Rating, Add	*1,231.57*	
		For Class 55 Rating, Add	*1,836.28*	
		For Class 56 Rating, Add	*2,432.85*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,294.05	576.27
		For Class 52 Rating, Deduct	*-926.30*	
		For Class 54 Rating, Add	*1,273.62*	
		For Class 55 Rating, Add	*1,898.82*	
		For Class 56 Rating, Add	*2,515.60*	
40 05 19 00-2801	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,579.26	579.78
		For Class 52 Rating, Deduct	*-957.09*	
		For Class 54 Rating, Add	*1,315.66*	
		For Class 55 Rating, Add	*1,961.36*	
		For Class 56 Rating, Add	*2,598.36*	
40 05 19 00-2802	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,864.47	583.30
		For Class 52 Rating, Deduct	*-987.88*	
		For Class 54 Rating, Add	*1,357.71*	
		For Class 55 Rating, Add	*2,023.90*	
		For Class 56 Rating, Add	*2,681.12*	
40 05 19 00-2803	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,149.69	586.81
		For Class 52 Rating, Deduct	*-1,018.66*	
		For Class 54 Rating, Add	*1,399.76*	
		For Class 55 Rating, Add	*2,086.45*	
		For Class 56 Rating, Add	*2,763.88*	
40 05 19 00-2804	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,434.89	590.33
		For Class 52 Rating, Deduct	*-1,049.45*	
		For Class 54 Rating, Add	*1,441.80*	
		For Class 55 Rating, Add	*2,148.99*	
		For Class 56 Rating, Add	*2,846.64*	
40 05 19 00-2805	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,720.10	593.84
		For Class 52 Rating, Deduct	*-1,080.24*	
		For Class 54 Rating, Add	*1,483.85*	
		For Class 55 Rating, Add	*2,211.53*	
		For Class 56 Rating, Add	*2,929.39*	
40 05 19 00-2806	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,005.31	597.35
		For Class 52 Rating, Deduct	*-1,111.03*	
		For Class 54 Rating, Add	*1,525.90*	
		For Class 55 Rating, Add	*2,274.08*	
		For Class 56 Rating, Add	*3,012.15*	
40 05 19 00-2807	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,290.52	600.87
		For Class 52 Rating, Deduct	*-1,141.81*	
		For Class 54 Rating, Add	*1,567.94*	
		For Class 55 Rating, Add	*2,336.62*	
		For Class 56 Rating, Add	*3,094.91*	
40 05 19 00-2808	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,575.74	604.38
		For Class 52 Rating, Deduct	*-1,172.60*	
		For Class 54 Rating, Add	*1,609.99*	
		For Class 55 Rating, Add	*2,399.16*	
		For Class 56 Rating, Add	*3,177.67*	
40 05 19 00-2809	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,860.95	607.89
		For Class 52 Rating, Deduct	*-1,203.39*	
		For Class 54 Rating, Add	*1,652.04*	
		For Class 55 Rating, Add	*2,461.70*	
		For Class 56 Rating, Add	*3,260.43*	
40 05 19 00-2810	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,146.16	611.41
		For Class 52 Rating, Deduct	*-1,234.18*	
		For Class 54 Rating, Add	*1,694.08*	
		For Class 55 Rating, Add	*2,524.24*	
		For Class 56 Rating, Add	*3,343.18*	
40 05 19 00-2811	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,431.36	614.92
		For Class 52 Rating, Deduct	*-1,264.96*	
		For Class 54 Rating, Add	*1,736.13*	
		For Class 55 Rating, Add	*2,586.79*	
		For Class 56 Rating, Add	*3,425.94*	
40 05 19 00-2812	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,716.57	618.44
		For Class 52 Rating, Deduct	*-1,295.75*	
		For Class 54 Rating, Add	*1,778.18*	
		For Class 55 Rating, Add	*2,649.33*	
		For Class 56 Rating, Add	*3,508.70*	
40 05 19 00-2813	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,001.78	621.95
		For Class 52 Rating, Deduct	*-1,326.54*	
		For Class 54 Rating, Add	*1,820.22*	
		For Class 55 Rating, Add	*2,711.87*	
		For Class 56 Rating, Add	*3,591.46*	
40 05 19 00-2814	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,287.00	625.46
		For Class 52 Rating, Deduct	*-1,357.33*	
		For Class 54 Rating, Add	*1,862.27*	
		For Class 55 Rating, Add	*2,774.41*	
		For Class 56 Rating, Add	*3,674.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2815		14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,407.32	590.33
		For Class 52 Rating, Deduct	*-276.42*	
		For Class 54 Rating, Add	*387.67*	
		For Class 55 Rating, Add	*581.84*	
		For Class 56 Rating, Add	*773.50*	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,753.37	593.84
		For Class 52 Rating, Deduct	*-313.90*	
		For Class 54 Rating, Add	*438.84*	
		For Class 55 Rating, Add	*657.95*	
		For Class 56 Rating, Add	*874.21*	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,099.42	597.35
		For Class 52 Rating, Deduct	*-351.38*	
		For Class 54 Rating, Add	*490.01*	
		For Class 55 Rating, Add	*734.06*	
		For Class 56 Rating, Add	*974.92*	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,445.48	600.87
		For Class 52 Rating, Deduct	*-388.86*	
		For Class 54 Rating, Add	*541.19*	
		For Class 55 Rating, Add	*810.17*	
		For Class 56 Rating, Add	*1,075.62*	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,791.54	604.38
		For Class 52 Rating, Deduct	*-426.34*	
		For Class 54 Rating, Add	*592.36*	
		For Class 55 Rating, Add	*886.28*	
		For Class 56 Rating, Add	*1,176.33*	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,137.59	607.89
		For Class 52 Rating, Deduct	*-463.82*	
		For Class 54 Rating, Add	*643.53*	
		For Class 55 Rating, Add	*962.39*	
		For Class 56 Rating, Add	*1,277.04*	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,483.66	611.41
		For Class 52 Rating, Deduct	*-501.30*	
		For Class 54 Rating, Add	*694.71*	
		For Class 55 Rating, Add	*1,038.51*	
		For Class 56 Rating, Add	*1,377.75*	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,829.70	614.92
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*745.88*	
		For Class 55 Rating, Add	*1,114.62*	
		For Class 56 Rating, Add	*1,478.45*	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,175.76	618.44
		For Class 52 Rating, Deduct	*-576.26*	
		For Class 54 Rating, Add	*797.06*	
		For Class 55 Rating, Add	*1,190.73*	
		For Class 56 Rating, Add	*1,579.16*	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,521.81	621.95
		For Class 52 Rating, Deduct	*-613.74*	
		For Class 54 Rating, Add	*848.23*	
		For Class 55 Rating, Add	*1,266.84*	
		For Class 56 Rating, Add	*1,679.87*	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,867.87	625.46
		For Class 52 Rating, Deduct	*-651.22*	
		For Class 54 Rating, Add	*899.40*	
		For Class 55 Rating, Add	*1,342.95*	
		For Class 56 Rating, Add	*1,780.58*	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,213.93	628.98
		For Class 52 Rating, Deduct	*-688.70*	
		For Class 54 Rating, Add	*950.58*	
		For Class 55 Rating, Add	*1,419.06*	
		For Class 56 Rating, Add	*1,881.28*	
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,559.98	632.49
		For Class 52 Rating, Deduct	*-726.18*	
		For Class 54 Rating, Add	*1,001.75*	
		For Class 55 Rating, Add	*1,495.17*	
		For Class 56 Rating, Add	*1,981.99*	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,906.03	636.00
		For Class 52 Rating, Deduct	*-763.66*	
		For Class 54 Rating, Add	*1,052.92*	
		For Class 55 Rating, Add	*1,571.28*	
		For Class 56 Rating, Add	*2,082.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,252.08	639.52
		For Class 52 Rating, Deduct	*-801.14*	
		For Class 54 Rating, Add	*1,104.10*	
		For Class 55 Rating, Add	*1,647.39*	
		For Class 56 Rating, Add	*2,183.40*	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,598.14	643.03
		For Class 52 Rating, Deduct	*-838.62*	
		For Class 54 Rating, Add	*1,155.27*	
		For Class 55 Rating, Add	*1,723.50*	
		For Class 56 Rating, Add	*2,284.11*	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,944.19	646.55
		For Class 52 Rating, Deduct	*-876.10*	
		For Class 54 Rating, Add	*1,206.44*	
		For Class 55 Rating, Add	*1,799.61*	
		For Class 56 Rating, Add	*2,384.82*	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,290.26	650.06
		For Class 52 Rating, Deduct	*-913.59*	
		For Class 54 Rating, Add	*1,257.62*	
		For Class 55 Rating, Add	*1,875.72*	
		For Class 56 Rating, Add	*2,485.53*	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,636.31	653.57
		For Class 52 Rating, Deduct	*-951.07*	
		For Class 54 Rating, Add	*1,308.79*	
		For Class 55 Rating, Add	*1,951.84*	
		For Class 56 Rating, Add	*2,586.23*	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,982.36	657.09
		For Class 52 Rating, Deduct	*-988.55*	
		For Class 54 Rating, Add	*1,359.96*	
		For Class 55 Rating, Add	*2,027.95*	
		For Class 56 Rating, Add	*2,686.94*	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,328.42	660.60
		For Class 52 Rating, Deduct	*-1,026.03*	
		For Class 54 Rating, Add	*1,411.14*	
		For Class 55 Rating, Add	*2,104.06*	
		For Class 56 Rating, Add	*2,787.65*	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,674.47	664.11
		For Class 52 Rating, Deduct	*-1,063.51*	
		For Class 54 Rating, Add	*1,462.31*	
		For Class 55 Rating, Add	*2,180.17*	
		For Class 56 Rating, Add	*2,888.36*	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,020.53	667.63
		For Class 52 Rating, Deduct	*-1,100.99*	
		For Class 54 Rating, Add	*1,513.48*	
		For Class 55 Rating, Add	*2,256.28*	
		For Class 56 Rating, Add	*2,989.06*	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,366.58	671.14
		For Class 52 Rating, Deduct	*-1,138.47*	
		For Class 54 Rating, Add	*1,564.66*	
		For Class 55 Rating, Add	*2,332.39*	
		For Class 56 Rating, Add	*3,089.77*	
40 05 19 00-2840	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,712.63	674.66
		For Class 52 Rating, Deduct	*-1,175.95*	
		For Class 54 Rating, Add	*1,615.83*	
		For Class 55 Rating, Add	*2,408.50*	
		For Class 56 Rating, Add	*3,190.48*	
40 05 19 00-2841	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,058.69	678.17
		For Class 52 Rating, Deduct	*-1,213.43*	
		For Class 54 Rating, Add	*1,667.00*	
		For Class 55 Rating, Add	*2,484.61*	
		For Class 56 Rating, Add	*3,291.18*	
40 05 19 00-2842	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,404.74	681.68
		For Class 52 Rating, Deduct	*-1,250.91*	
		For Class 54 Rating, Add	*1,718.18*	
		For Class 55 Rating, Add	*2,560.72*	
		For Class 56 Rating, Add	*3,391.89*	
40 05 19 00-2843	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,750.80	685.20
		For Class 52 Rating, Deduct	*-1,288.39*	
		For Class 54 Rating, Add	*1,769.35*	
		For Class 55 Rating, Add	*2,636.83*	
		For Class 56 Rating, Add	*3,492.60*	
40 05 19 00-2844	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,096.85	688.71
		For Class 52 Rating, Deduct	*-1,325.87*	
		For Class 54 Rating, Add	*1,820.52*	
		For Class 55 Rating, Add	*2,712.94*	
		For Class 56 Rating, Add	*3,593.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2845	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,442.92	692.22
		For Class 52 Rating, Deduct	*-1,363.35*	
		For Class 54 Rating, Add	*1,871.70*	
		For Class 55 Rating, Add	*2,789.05*	
		For Class 56 Rating, Add	*3,694.01*	
40 05 19 00-2846	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,788.96	695.74
		For Class 52 Rating, Deduct	*-1,400.83*	
		For Class 54 Rating, Add	*1,922.87*	
		For Class 55 Rating, Add	*2,865.16*	
		For Class 56 Rating, Add	*3,794.72*	
40 05 19 00-2847	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,135.02	699.25
		For Class 52 Rating, Deduct	*-1,438.31*	
		For Class 54 Rating, Add	*1,974.05*	
		For Class 55 Rating, Add	*2,941.27*	
		For Class 56 Rating, Add	*3,895.43*	
40 05 19 00-2848	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,481.08	702.77
		For Class 52 Rating, Deduct	*-1,475.79*	
		For Class 54 Rating, Add	*2,025.22*	
		For Class 55 Rating, Add	*3,017.39*	
		For Class 56 Rating, Add	*3,996.14*	
40 05 19 00-2849	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,827.13	706.28
		For Class 52 Rating, Deduct	*-1,513.27*	
		For Class 54 Rating, Add	*2,076.39*	
		For Class 55 Rating, Add	*3,093.50*	
		For Class 56 Rating, Add	*4,096.84*	
40 05 19 00-2850	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,173.19	709.79
		For Class 52 Rating, Deduct	*-1,550.75*	
		For Class 54 Rating, Add	*2,127.57*	
		For Class 55 Rating, Add	*3,169.61*	
		For Class 56 Rating, Add	*4,197.55*	
40 05 19 00-2851	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,519.23	713.31
		For Class 52 Rating, Deduct	*-1,588.23*	
		For Class 54 Rating, Add	*2,178.74*	
		For Class 55 Rating, Add	*3,245.72*	
		For Class 56 Rating, Add	*4,298.26*	
40 05 19 00-2852	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,865.29	716.82
		For Class 52 Rating, Deduct	*-1,625.71*	
		For Class 54 Rating, Add	*2,229.91*	
		For Class 55 Rating, Add	*3,321.83*	
		For Class 56 Rating, Add	*4,398.96*	
40 05 19 00-2853	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,211.34	720.33
		For Class 52 Rating, Deduct	*-1,663.19*	
		For Class 54 Rating, Add	*2,281.09*	
		For Class 55 Rating, Add	*3,397.94*	
		For Class 56 Rating, Add	*4,499.67*	

40 05 19 00-2854 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,988.38	674.66
		For Class 52 Rating, Deduct	*-326.28*	
		For Class 54 Rating, Add	*457.19*	
		For Class 55 Rating, Add	*685.99*	
		For Class 56 Rating, Add	*911.82*	
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,389.21	678.17
		For Class 52 Rating, Deduct	*-369.78*	
		For Class 54 Rating, Add	*516.58*	
		For Class 55 Rating, Add	*774.32*	
		For Class 56 Rating, Add	*1,028.69*	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,790.02	681.68
		For Class 52 Rating, Deduct	*-413.29*	
		For Class 54 Rating, Add	*575.97*	
		For Class 55 Rating, Add	*862.64*	
		For Class 56 Rating, Add	*1,145.55*	
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,190.84	685.20
		For Class 52 Rating, Deduct	*-456.79*	
		For Class 54 Rating, Add	*635.36*	
		For Class 55 Rating, Add	*950.96*	
		For Class 56 Rating, Add	*1,262.41*	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,591.65	688.71
		For Class 52 Rating, Deduct	*-500.30*	
		For Class 54 Rating, Add	*694.74*	
		For Class 55 Rating, Add	*1,039.28*	
		For Class 56 Rating, Add	*1,379.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2860	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,992.47	692.22
		For Class 52 Rating, Deduct	*-543.80*	
		For Class 54 Rating, Add	*754.13*	
		For Class 55 Rating, Add	*1,127.60*	
		For Class 56 Rating, Add	*1,496.13*	
40 05 19 00-2861	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,393.27	695.74
		For Class 52 Rating, Deduct	*-587.30*	
		For Class 54 Rating, Add	*813.52*	
		For Class 55 Rating, Add	*1,215.93*	
		For Class 56 Rating, Add	*1,612.99*	
40 05 19 00-2862	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,794.09	699.25
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*872.91*	
		For Class 55 Rating, Add	*1,304.25*	
		For Class 56 Rating, Add	*1,729.85*	
40 05 19 00-2863	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,194.91	702.77
		For Class 52 Rating, Deduct	*-674.31*	
		For Class 54 Rating, Add	*932.29*	
		For Class 55 Rating, Add	*1,392.57*	
		For Class 56 Rating, Add	*1,846.72*	
40 05 19 00-2864	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,595.72	706.28
		For Class 52 Rating, Deduct	*-717.82*	
		For Class 54 Rating, Add	*991.68*	
		For Class 55 Rating, Add	*1,480.89*	
		For Class 56 Rating, Add	*1,963.58*	
40 05 19 00-2865	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,996.55	709.79
		For Class 52 Rating, Deduct	*-761.32*	
		For Class 54 Rating, Add	*1,051.07*	
		For Class 55 Rating, Add	*1,569.22*	
		For Class 56 Rating, Add	*2,080.44*	
40 05 19 00-2866	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,397.35	713.31
		For Class 52 Rating, Deduct	*-804.82*	
		For Class 54 Rating, Add	*1,110.46*	
		For Class 55 Rating, Add	*1,657.54*	
		For Class 56 Rating, Add	*2,197.30*	
40 05 19 00-2867	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,798.17	716.82
		For Class 52 Rating, Deduct	*-848.33*	
		For Class 54 Rating, Add	*1,169.85*	
		For Class 55 Rating, Add	*1,745.86*	
		For Class 56 Rating, Add	*2,314.16*	
40 05 19 00-2868	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,198.98	720.33
		For Class 52 Rating, Deduct	*-891.83*	
		For Class 54 Rating, Add	*1,229.23*	
		For Class 55 Rating, Add	*1,834.18*	
		For Class 56 Rating, Add	*2,431.02*	
40 05 19 00-2869	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,599.80	723.85
		For Class 52 Rating, Deduct	*-935.34*	
		For Class 54 Rating, Add	*1,288.62*	
		For Class 55 Rating, Add	*1,922.50*	
		For Class 56 Rating, Add	*2,547.89*	
40 05 19 00-2870	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,000.62	727.36
		For Class 52 Rating, Deduct	*-978.84*	
		For Class 54 Rating, Add	*1,348.01*	
		For Class 55 Rating, Add	*2,010.83*	
		For Class 56 Rating, Add	*2,664.75*	
40 05 19 00-2871	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,401.43	730.88
		For Class 52 Rating, Deduct	*-1,022.34*	
		For Class 54 Rating, Add	*1,407.39*	
		For Class 55 Rating, Add	*2,099.15*	
		For Class 56 Rating, Add	*2,781.61*	
40 05 19 00-2872	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,802.24	734.39
		For Class 52 Rating, Deduct	*-1,065.85*	
		For Class 54 Rating, Add	*1,466.78*	
		For Class 55 Rating, Add	*2,187.47*	
		For Class 56 Rating, Add	*2,898.47*	
40 05 19 00-2873	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,203.06	737.90
		For Class 52 Rating, Deduct	*-1,109.35*	
		For Class 54 Rating, Add	*1,526.17*	
		For Class 55 Rating, Add	*2,275.79*	
		For Class 56 Rating, Add	*3,015.33*	
40 05 19 00-2874	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,603.88	741.42
		For Class 52 Rating, Deduct	*-1,152.86*	
		For Class 54 Rating, Add	*1,585.56*	
		For Class 55 Rating, Add	*2,364.12*	
		For Class 56 Rating, Add	*3,132.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,004.69	744.93
		For Class 52 Rating, Deduct	*-1,196.36*	
		For Class 54 Rating, Add	*1,644.95*	
		For Class 55 Rating, Add	*2,452.44*	
		For Class 56 Rating, Add	*3,249.06*	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,405.51	748.45
		For Class 52 Rating, Deduct	*-1,239.87*	
		For Class 54 Rating, Add	*1,704.33*	
		For Class 55 Rating, Add	*2,540.76*	
		For Class 56 Rating, Add	*3,365.92*	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,806.33	751.96
		For Class 52 Rating, Deduct	*-1,283.37*	
		For Class 54 Rating, Add	*1,763.72*	
		For Class 55 Rating, Add	*2,629.08*	
		For Class 56 Rating, Add	*3,482.78*	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,207.13	755.47
		For Class 52 Rating, Deduct	*-1,326.87*	
		For Class 54 Rating, Add	*1,823.11*	
		For Class 55 Rating, Add	*2,717.40*	
		For Class 56 Rating, Add	*3,599.64*	
40 05 19 00-2879	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,607.95	758.99
		For Class 52 Rating, Deduct	*-1,370.38*	
		For Class 54 Rating, Add	*1,882.50*	
		For Class 55 Rating, Add	*2,805.73*	
		For Class 56 Rating, Add	*3,716.50*	
40 05 19 00-2880	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,008.76	762.50
		For Class 52 Rating, Deduct	*-1,413.88*	
		For Class 54 Rating, Add	*1,941.88*	
		For Class 55 Rating, Add	*2,894.05*	
		For Class 56 Rating, Add	*3,833.36*	
40 05 19 00-2881	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,409.59	766.01
		For Class 52 Rating, Deduct	*-1,457.39*	
		For Class 54 Rating, Add	*2,001.27*	
		For Class 55 Rating, Add	*2,982.37*	
		For Class 56 Rating, Add	*3,950.23*	
40 05 19 00-2882	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,810.40	769.53
		For Class 52 Rating, Deduct	*-1,500.89*	
		For Class 54 Rating, Add	*2,060.66*	
		For Class 55 Rating, Add	*3,070.70*	
		For Class 56 Rating, Add	*4,067.09*	
40 05 19 00-2883	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,211.22	773.04
		For Class 52 Rating, Deduct	*-1,544.39*	
		For Class 54 Rating, Add	*2,120.05*	
		For Class 55 Rating, Add	*3,159.02*	
		For Class 56 Rating, Add	*4,183.95*	
40 05 19 00-2884	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,612.03	776.56
		For Class 52 Rating, Deduct	*-1,587.90*	
		For Class 54 Rating, Add	*2,179.43*	
		For Class 55 Rating, Add	*3,247.34*	
		For Class 56 Rating, Add	*4,300.81*	
40 05 19 00-2885	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,012.84	780.07
		For Class 52 Rating, Deduct	*-1,631.40*	
		For Class 54 Rating, Add	*2,238.82*	
		For Class 55 Rating, Add	*3,335.66*	
		For Class 56 Rating, Add	*4,417.67*	
40 05 19 00-2886	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,413.66	783.58
		For Class 52 Rating, Deduct	*-1,674.91*	
		For Class 54 Rating, Add	*2,298.21*	
		For Class 55 Rating, Add	*3,423.98*	
		For Class 56 Rating, Add	*4,534.53*	
40 05 19 00-2887	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,814.47	787.10
		For Class 52 Rating, Deduct	*-1,718.41*	
		For Class 54 Rating, Add	*2,357.60*	
		For Class 55 Rating, Add	*3,512.31*	
		For Class 56 Rating, Add	*4,651.39*	
40 05 19 00-2888	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,215.29	790.61
		For Class 52 Rating, Deduct	*-1,761.91*	
		For Class 54 Rating, Add	*2,416.98*	
		For Class 55 Rating, Add	*3,600.63*	
		For Class 56 Rating, Add	*4,768.25*	
40 05 19 00-2889	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,616.09	794.12
		For Class 52 Rating, Deduct	*-1,805.42*	
		For Class 54 Rating, Add	*2,476.37*	
		For Class 55 Rating, Add	*3,688.95*	
		For Class 56 Rating, Add	*4,885.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2890	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,016.92	797.64
		For Class 52 Rating, Deduct	*-1,848.92*	
		For Class 54 Rating, Add	*2,535.76*	
		For Class 55 Rating, Add	*3,777.27*	
		For Class 56 Rating, Add	*5,001.98*	
40 05 19 00-2891	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,417.74	801.15
		For Class 52 Rating, Deduct	*-1,892.43*	
		For Class 54 Rating, Add	*2,595.15*	
		For Class 55 Rating, Add	*3,865.60*	
		For Class 56 Rating, Add	*5,118.84*	
40 05 19 00-2892	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,818.55	804.67
		For Class 52 Rating, Deduct	*-1,935.93*	
		For Class 54 Rating, Add	*2,654.53*	
		For Class 55 Rating, Add	*3,953.92*	
		For Class 56 Rating, Add	*5,235.70*	

40 05 19 00-2893 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2894	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,665.90	760.40
		For Class 52 Rating, Deduct	*-386.52*	
		For Class 54 Rating, Add	*540.89*	
		For Class 55 Rating, Add	*811.23*	
		For Class 56 Rating, Add	*1,078.04*	
40 05 19 00-2895	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,127.56	763.91
		For Class 52 Rating, Deduct	*-436.71*	
		For Class 54 Rating, Add	*609.41*	
		For Class 55 Rating, Add	*913.12*	
		For Class 56 Rating, Add	*1,212.85*	
40 05 19 00-2896	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,589.22	767.43
		For Class 52 Rating, Deduct	*-486.91*	
		For Class 54 Rating, Add	*677.92*	
		For Class 55 Rating, Add	*1,015.01*	
		For Class 56 Rating, Add	*1,347.67*	
40 05 19 00-2897	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,050.88	770.94
		For Class 52 Rating, Deduct	*-537.11*	
		For Class 54 Rating, Add	*746.44*	
		For Class 55 Rating, Add	*1,116.90*	
		For Class 56 Rating, Add	*1,482.48*	
40 05 19 00-2898	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,512.53	774.46
		For Class 52 Rating, Deduct	*-587.30*	
		For Class 54 Rating, Add	*814.95*	
		For Class 55 Rating, Add	*1,218.79*	
		For Class 56 Rating, Add	*1,617.29*	
40 05 19 00-2899	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,974.20	777.97
		For Class 52 Rating, Deduct	*-637.50*	
		For Class 54 Rating, Add	*883.47*	
		For Class 55 Rating, Add	*1,320.68*	
		For Class 56 Rating, Add	*1,752.10*	
40 05 19 00-2900	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,435.85	781.48
		For Class 52 Rating, Deduct	*-687.70*	
		For Class 54 Rating, Add	*951.98*	
		For Class 55 Rating, Add	*1,422.57*	
		For Class 56 Rating, Add	*1,886.91*	
40 05 19 00-2901	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,897.52	785.00
		For Class 52 Rating, Deduct	*-737.90*	
		For Class 54 Rating, Add	*1,020.49*	
		For Class 55 Rating, Add	*1,524.46*	
		For Class 56 Rating, Add	*2,021.72*	
40 05 19 00-2902	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,359.19	788.51
		For Class 52 Rating, Deduct	*-788.09*	
		For Class 54 Rating, Add	*1,089.01*	
		For Class 55 Rating, Add	*1,626.35*	
		For Class 56 Rating, Add	*2,156.53*	
40 05 19 00-2903	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,820.83	792.02
		For Class 52 Rating, Deduct	*-838.29*	
		For Class 54 Rating, Add	*1,157.52*	
		For Class 55 Rating, Add	*1,728.24*	
		For Class 56 Rating, Add	*2,291.34*	
40 05 19 00-2904	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,282.50	795.54
		For Class 52 Rating, Deduct	*-888.49*	
		For Class 54 Rating, Add	*1,226.04*	
		For Class 55 Rating, Add	*1,830.13*	
		For Class 56 Rating, Add	*2,426.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,744.15	799.05
		For Class 52 Rating, Deduct	*-938.68*	
		For Class 54 Rating, Add	*1,294.55*	
		For Class 55 Rating, Add	*1,932.02*	
		For Class 56 Rating, Add	*2,560.96*	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,205.82	802.57
		For Class 52 Rating, Deduct	*-988.88*	
		For Class 54 Rating, Add	*1,363.07*	
		For Class 55 Rating, Add	*2,033.91*	
		For Class 56 Rating, Add	*2,695.77*	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,667.48	806.08
		For Class 52 Rating, Deduct	*-1,039.08*	
		For Class 54 Rating, Add	*1,431.58*	
		For Class 55 Rating, Add	*2,135.81*	
		For Class 56 Rating, Add	*2,830.58*	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,129.14	809.59
		For Class 52 Rating, Deduct	*-1,089.27*	
		For Class 54 Rating, Add	*1,500.09*	
		For Class 55 Rating, Add	*2,237.69*	
		For Class 56 Rating, Add	*2,965.39*	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,590.80	813.11
		For Class 52 Rating, Deduct	*-1,139.47*	
		For Class 54 Rating, Add	*1,568.61*	
		For Class 55 Rating, Add	*2,339.59*	
		For Class 56 Rating, Add	*3,100.21*	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,052.45	816.62
		For Class 52 Rating, Deduct	*-1,189.67*	
		For Class 54 Rating, Add	*1,637.12*	
		For Class 55 Rating, Add	*2,441.48*	
		For Class 56 Rating, Add	*3,235.01*	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,514.12	820.13
		For Class 52 Rating, Deduct	*-1,239.87*	
		For Class 54 Rating, Add	*1,705.64*	
		For Class 55 Rating, Add	*2,543.37*	
		For Class 56 Rating, Add	*3,369.83*	
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,975.78	823.65
		For Class 52 Rating, Deduct	*-1,290.06*	
		For Class 54 Rating, Add	*1,774.15*	
		For Class 55 Rating, Add	*2,645.26*	
		For Class 56 Rating, Add	*3,504.64*	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,437.44	827.16
		For Class 52 Rating, Deduct	*-1,340.26*	
		For Class 54 Rating, Add	*1,842.66*	
		For Class 55 Rating, Add	*2,747.15*	
		For Class 56 Rating, Add	*3,639.45*	
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,899.09	830.68
		For Class 52 Rating, Deduct	*-1,390.46*	
		For Class 54 Rating, Add	*1,911.18*	
		For Class 55 Rating, Add	*2,849.04*	
		For Class 56 Rating, Add	*3,774.26*	
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,360.75	834.19
		For Class 52 Rating, Deduct	*-1,440.65*	
		For Class 54 Rating, Add	*1,979.69*	
		For Class 55 Rating, Add	*2,950.93*	
		For Class 56 Rating, Add	*3,909.07*	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,822.42	837.70
		For Class 52 Rating, Deduct	*-1,490.85*	
		For Class 54 Rating, Add	*2,048.21*	
		For Class 55 Rating, Add	*3,052.82*	
		For Class 56 Rating, Add	*4,043.88*	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,284.08	841.22
		For Class 52 Rating, Deduct	*-1,541.05*	
		For Class 54 Rating, Add	*2,116.72*	
		For Class 55 Rating, Add	*3,154.71*	
		For Class 56 Rating, Add	*4,178.69*	
40 05 19 00-2918	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,745.74	844.73
		For Class 52 Rating, Deduct	*-1,591.24*	
		For Class 54 Rating, Add	*2,185.24*	
		For Class 55 Rating, Add	*3,256.60*	
		For Class 56 Rating, Add	*4,313.50*	
40 05 19 00-2919	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,207.40	848.25
		For Class 52 Rating, Deduct	*-1,641.44*	
		For Class 54 Rating, Add	*2,253.75*	
		For Class 55 Rating, Add	*3,358.49*	
		For Class 56 Rating, Add	*4,448.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2920	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,669.05	851.76
		For Class 52 Rating, Deduct	*-1,691.64*	
		For Class 54 Rating, Add	*2,322.26*	
		For Class 55 Rating, Add	*3,460.38*	
		For Class 56 Rating, Add	*4,583.12*	
40 05 19 00-2921	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,130.71	855.27
		For Class 52 Rating, Deduct	*-1,741.83*	
		For Class 54 Rating, Add	*2,390.78*	
		For Class 55 Rating, Add	*3,562.27*	
		For Class 56 Rating, Add	*4,717.93*	
40 05 19 00-2922	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,592.38	858.79
		For Class 52 Rating, Deduct	*-1,792.03*	
		For Class 54 Rating, Add	*2,459.29*	
		For Class 55 Rating, Add	*3,664.17*	
		For Class 56 Rating, Add	*4,852.75*	
40 05 19 00-2923	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,054.04	862.30
		For Class 52 Rating, Deduct	*-1,842.23*	
		For Class 54 Rating, Add	*2,527.81*	
		For Class 55 Rating, Add	*3,766.06*	
		For Class 56 Rating, Add	*4,987.56*	
40 05 19 00-2924	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,515.70	865.81
		For Class 52 Rating, Deduct	*-1,892.43*	
		For Class 54 Rating, Add	*2,596.32*	
		For Class 55 Rating, Add	*3,867.95*	
		For Class 56 Rating, Add	*5,122.37*	
40 05 19 00-2925	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,977.36	869.33
		For Class 52 Rating, Deduct	*-1,942.62*	
		For Class 54 Rating, Add	*2,664.84*	
		For Class 55 Rating, Add	*3,969.84*	
		For Class 56 Rating, Add	*5,257.18*	
40 05 19 00-2926	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,439.01	872.84
		For Class 52 Rating, Deduct	*-1,992.82*	
		For Class 54 Rating, Add	*2,733.35*	
		For Class 55 Rating, Add	*4,071.73*	
		For Class 56 Rating, Add	*5,391.99*	
40 05 19 00-2927	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,900.68	876.36
		For Class 52 Rating, Deduct	*-2,043.02*	
		For Class 54 Rating, Add	*2,801.87*	
		For Class 55 Rating, Add	*4,173.62*	
		For Class 56 Rating, Add	*5,526.80*	
40 05 19 00-2928	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,362.33	879.87
		For Class 52 Rating, Deduct	*-2,093.21*	
		For Class 54 Rating, Add	*2,870.38*	
		For Class 55 Rating, Add	*4,275.51*	
		For Class 56 Rating, Add	*5,661.61*	
40 05 19 00-2929	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,824.00	883.38
		For Class 52 Rating, Deduct	*-2,143.41*	
		For Class 54 Rating, Add	*2,938.89*	
		For Class 55 Rating, Add	*4,377.40*	
		For Class 56 Rating, Add	*5,796.42*	
40 05 19 00-2930	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,285.66	886.90
		For Class 52 Rating, Deduct	*-2,193.61*	
		For Class 54 Rating, Add	*3,007.41*	
		For Class 55 Rating, Add	*4,479.29*	
		For Class 56 Rating, Add	*5,931.23*	
40 05 19 00-2931	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,747.31	890.41
		For Class 52 Rating, Deduct	*-2,243.80*	
		For Class 54 Rating, Add	*3,075.92*	
		For Class 55 Rating, Add	*4,581.18*	
		For Class 56 Rating, Add	*6,066.04*	

40 05 19 00-2932 20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,406.83	867.91
		For Class 52 Rating, Deduct	*-450.10*	
		For Class 54 Rating, Add	*629.55*	
		For Class 55 Rating, Add	*944.03*	
		For Class 56 Rating, Add	*1,254.42*	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,932.39	871.43
		For Class 52 Rating, Deduct	*-507.32*	
		For Class 54 Rating, Add	*707.65*	
		For Class 55 Rating, Add	*1,060.17*	
		For Class 56 Rating, Add	*1,408.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,457.93	874.94
		For Class 52 Rating, Deduct	*-564.55*	
		For Class 54 Rating, Add	*785.75*	
		For Class 55 Rating, Add	*1,176.31*	
		For Class 56 Rating, Add	*1,561.74*	
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,983.47	878.45
		For Class 52 Rating, Deduct	*-621.77*	
		For Class 54 Rating, Add	*863.84*	
		For Class 55 Rating, Add	*1,292.45*	
		For Class 56 Rating, Add	*1,715.40*	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,509.02	881.97
		For Class 52 Rating, Deduct	*-679.00*	
		For Class 54 Rating, Add	*941.94*	
		For Class 55 Rating, Add	*1,408.58*	
		For Class 56 Rating, Add	*1,869.05*	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,034.57	885.48
		For Class 52 Rating, Deduct	*-736.22*	
		For Class 54 Rating, Add	*1,020.04*	
		For Class 55 Rating, Add	*1,524.72*	
		For Class 56 Rating, Add	*2,022.71*	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,560.12	889.00
		For Class 52 Rating, Deduct	*-793.45*	
		For Class 54 Rating, Add	*1,098.14*	
		For Class 55 Rating, Add	*1,640.86*	
		For Class 56 Rating, Add	*2,176.37*	
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,085.66	892.51
		For Class 52 Rating, Deduct	*-850.67*	
		For Class 54 Rating, Add	*1,176.23*	
		For Class 55 Rating, Add	*1,757.00*	
		For Class 56 Rating, Add	*2,330.03*	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,611.21	896.02
		For Class 52 Rating, Deduct	*-907.90*	
		For Class 54 Rating, Add	*1,254.33*	
		For Class 55 Rating, Add	*1,873.14*	
		For Class 56 Rating, Add	*2,483.69*	
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,136.76	899.54
		For Class 52 Rating, Deduct	*-965.12*	
		For Class 54 Rating, Add	*1,332.43*	
		For Class 55 Rating, Add	*1,989.27*	
		For Class 56 Rating, Add	*2,637.34*	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,662.30	903.05
		For Class 52 Rating, Deduct	*-1,022.34*	
		For Class 54 Rating, Add	*1,410.53*	
		For Class 55 Rating, Add	*2,105.41*	
		For Class 56 Rating, Add	*2,791.00*	
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,187.86	906.57
		For Class 52 Rating, Deduct	*-1,079.57*	
		For Class 54 Rating, Add	*1,488.62*	
		For Class 55 Rating, Add	*2,221.55*	
		For Class 56 Rating, Add	*2,944.66*	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,713.40	910.08
		For Class 52 Rating, Deduct	*-1,136.79*	
		For Class 54 Rating, Add	*1,566.72*	
		For Class 55 Rating, Add	*2,337.69*	
		For Class 56 Rating, Add	*3,098.32*	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,238.95	913.59
		For Class 52 Rating, Deduct	*-1,194.02*	
		For Class 54 Rating, Add	*1,644.82*	
		For Class 55 Rating, Add	*2,453.82*	
		For Class 56 Rating, Add	*3,251.97*	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,764.49	917.11
		For Class 52 Rating, Deduct	*-1,251.24*	
		For Class 54 Rating, Add	*1,722.92*	
		For Class 55 Rating, Add	*2,569.96*	
		For Class 56 Rating, Add	*3,405.63*	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,290.04	920.62
		For Class 52 Rating, Deduct	*-1,308.47*	
		For Class 54 Rating, Add	*1,801.01*	
		For Class 55 Rating, Add	*2,686.10*	
		For Class 56 Rating, Add	*3,559.29*	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,815.59	924.13
		For Class 52 Rating, Deduct	*-1,365.69*	
		For Class 54 Rating, Add	*1,879.11*	
		For Class 55 Rating, Add	*2,802.23*	
		For Class 56 Rating, Add	*3,712.94*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,341.13	927.65
		For Class 52 Rating, Deduct	*-1,422.92*	
		For Class 54 Rating, Add	*1,957.21*	
		For Class 55 Rating, Add	*2,918.37*	
		For Class 56 Rating, Add	*3,866.60*	
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,866.69	931.16
		For Class 52 Rating, Deduct	*-1,480.14*	
		For Class 54 Rating, Add	*2,035.30*	
		For Class 55 Rating, Add	*3,034.51*	
		For Class 56 Rating, Add	*4,020.26*	
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,392.22	934.68
		For Class 52 Rating, Deduct	*-1,537.37*	
		For Class 54 Rating, Add	*2,113.40*	
		For Class 55 Rating, Add	*3,150.65*	
		For Class 56 Rating, Add	*4,173.92*	
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,917.77	938.19
		For Class 52 Rating, Deduct	*-1,594.59*	
		For Class 54 Rating, Add	*2,191.50*	
		For Class 55 Rating, Add	*3,266.78*	
		For Class 56 Rating, Add	*4,327.57*	
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,443.32	941.70
		For Class 52 Rating, Deduct	*-1,651.82*	
		For Class 54 Rating, Add	*2,269.60*	
		For Class 55 Rating, Add	*3,382.92*	
		For Class 56 Rating, Add	*4,481.23*	
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,968.87	945.22
		For Class 52 Rating, Deduct	*-1,709.04*	
		For Class 54 Rating, Add	*2,347.69*	
		For Class 55 Rating, Add	*3,499.06*	
		For Class 56 Rating, Add	*4,634.89*	
40 05 19 00-2956	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,494.42	948.73
		For Class 52 Rating, Deduct	*-1,766.26*	
		For Class 54 Rating, Add	*2,425.79*	
		For Class 55 Rating, Add	*3,615.20*	
		For Class 56 Rating, Add	*4,788.55*	
40 05 19 00-2957	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,019.97	952.24
		For Class 52 Rating, Deduct	*-1,823.49*	
		For Class 54 Rating, Add	*2,503.89*	
		For Class 55 Rating, Add	*3,731.34*	
		For Class 56 Rating, Add	*4,942.21*	
40 05 19 00-2958	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,545.51	955.76
		For Class 52 Rating, Deduct	*-1,880.71*	
		For Class 54 Rating, Add	*2,581.99*	
		For Class 55 Rating, Add	*3,847.47*	
		For Class 56 Rating, Add	*5,095.86*	
40 05 19 00-2959	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,071.05	959.27
		For Class 52 Rating, Deduct	*-1,937.94*	
		For Class 54 Rating, Add	*2,660.08*	
		For Class 55 Rating, Add	*3,963.61*	
		For Class 56 Rating, Add	*5,249.52*	
40 05 19 00-2960	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,596.60	962.79
		For Class 52 Rating, Deduct	*-1,995.16*	
		For Class 54 Rating, Add	*2,738.18*	
		For Class 55 Rating, Add	*4,079.75*	
		For Class 56 Rating, Add	*5,403.18*	
40 05 19 00-2961	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,122.16	966.30
		For Class 52 Rating, Deduct	*-2,052.39*	
		For Class 54 Rating, Add	*2,816.28*	
		For Class 55 Rating, Add	*4,195.89*	
		For Class 56 Rating, Add	*5,556.84*	
40 05 19 00-2962	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,647.70	969.81
		For Class 52 Rating, Deduct	*-2,109.61*	
		For Class 54 Rating, Add	*2,894.38*	
		For Class 55 Rating, Add	*4,312.02*	
		For Class 56 Rating, Add	*5,710.49*	
40 05 19 00-2963	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,173.25	973.33
		For Class 52 Rating, Deduct	*-2,166.84*	
		For Class 54 Rating, Add	*2,972.47*	
		For Class 55 Rating, Add	*4,428.16*	
		For Class 56 Rating, Add	*5,864.15*	
40 05 19 00-2964	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,698.79	976.84
		For Class 52 Rating, Deduct	*-2,224.06*	
		For Class 54 Rating, Add	*3,050.57*	
		For Class 55 Rating, Add	*4,544.30*	
		For Class 56 Rating, Add	*6,017.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2965	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,224.34	980.35
		For Class 52 Rating, Deduct	*-2,281.28*	
		For Class 54 Rating, Add	*3,128.67*	
		For Class 55 Rating, Add	*4,660.44*	
		For Class 56 Rating, Add	*6,171.46*	
40 05 19 00-2966	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,749.88	983.87
		For Class 52 Rating, Deduct	*-2,338.51*	
		For Class 54 Rating, Add	*3,206.76*	
		For Class 55 Rating, Add	*4,776.57*	
		For Class 56 Rating, Add	*6,325.12*	
40 05 19 00-2967	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,275.44	987.38
		For Class 52 Rating, Deduct	*-2,395.73*	
		For Class 54 Rating, Add	*3,284.86*	
		For Class 55 Rating, Add	*4,892.71*	
		For Class 56 Rating, Add	*6,478.78*	
40 05 19 00-2968	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,800.99	990.90
		For Class 52 Rating, Deduct	*-2,452.96*	
		For Class 54 Rating, Add	*3,362.96*	
		For Class 55 Rating, Add	*5,008.85*	
		For Class 56 Rating, Add	*6,632.44*	
40 05 19 00-2969	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,326.53	994.41
		For Class 52 Rating, Deduct	*-2,510.18*	
		For Class 54 Rating, Add	*3,441.06*	
		For Class 55 Rating, Add	*5,124.98*	
		For Class 56 Rating, Add	*6,786.09*	
40 05 19 00-2970	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,852.08	997.92
		For Class 52 Rating, Deduct	*-2,567.41*	
		For Class 54 Rating, Add	*3,519.15*	
		For Class 55 Rating, Add	*5,241.12*	
		For Class 56 Rating, Add	*6,939.75*	

40 05 19 00-2971 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,720.32	1,026.03
		For Class 52 Rating, Deduct	*-568.23*	
		For Class 54 Rating, Add	*793.51*	
		For Class 55 Rating, Add	*1,189.27*	
		For Class 56 Rating, Add	*1,579.85*	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,370.61	1,029.55
		For Class 52 Rating, Deduct	*-639.17*	
		For Class 54 Rating, Add	*890.32*	
		For Class 55 Rating, Add	*1,333.22*	
		For Class 56 Rating, Add	*1,770.31*	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,020.88	1,033.06
		For Class 52 Rating, Deduct	*-710.12*	
		For Class 54 Rating, Add	*987.13*	
		For Class 55 Rating, Add	*1,477.17*	
		For Class 56 Rating, Add	*1,960.76*	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,671.16	1,036.58
		For Class 52 Rating, Deduct	*-781.06*	
		For Class 54 Rating, Add	*1,083.94*	
		For Class 55 Rating, Add	*1,621.13*	
		For Class 56 Rating, Add	*2,151.21*	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,321.44	1,040.09
		For Class 52 Rating, Deduct	*-852.01*	
		For Class 54 Rating, Add	*1,180.74*	
		For Class 55 Rating, Add	*1,765.08*	
		For Class 56 Rating, Add	*2,341.67*	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,971.72	1,043.60
		For Class 52 Rating, Deduct	*-922.96*	
		For Class 54 Rating, Add	*1,277.55*	
		For Class 55 Rating, Add	*1,909.03*	
		For Class 56 Rating, Add	*2,532.12*	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,622.00	1,047.12
		For Class 52 Rating, Deduct	*-993.90*	
		For Class 54 Rating, Add	*1,374.36*	
		For Class 55 Rating, Add	*2,052.98*	
		For Class 56 Rating, Add	*2,722.57*	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,272.28	1,050.63
		For Class 52 Rating, Deduct	*-1,064.85*	
		For Class 54 Rating, Add	*1,471.16*	
		For Class 55 Rating, Add	*2,196.94*	
		For Class 56 Rating, Add	*2,913.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2980	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,922.56	1,054.14
		For Class 52 Rating, Deduct	*-1,135.79*	
		For Class 54 Rating, Add	*1,567.97*	
		For Class 55 Rating, Add	*2,340.89*	
		For Class 56 Rating, Add	*3,103.48*	
40 05 19 00-2981	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,572.83	1,057.66
		For Class 52 Rating, Deduct	*-1,206.74*	
		For Class 54 Rating, Add	*1,664.78*	
		For Class 55 Rating, Add	*2,484.84*	
		For Class 56 Rating, Add	*3,293.93*	
40 05 19 00-2982	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,223.11	1,061.17
		For Class 52 Rating, Deduct	*-1,277.68*	
		For Class 54 Rating, Add	*1,761.58*	
		For Class 55 Rating, Add	*2,628.79*	
		For Class 56 Rating, Add	*3,484.39*	
40 05 19 00-2983	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,873.40	1,064.69
		For Class 52 Rating, Deduct	*-1,348.63*	
		For Class 54 Rating, Add	*1,858.39*	
		For Class 55 Rating, Add	*2,772.75*	
		For Class 56 Rating, Add	*3,674.84*	
40 05 19 00-2984	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,523.67	1,068.20
		For Class 52 Rating, Deduct	*-1,419.57*	
		For Class 54 Rating, Add	*1,955.20*	
		For Class 55 Rating, Add	*2,916.70*	
		For Class 56 Rating, Add	*3,865.29*	
40 05 19 00-2985	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,173.96	1,071.71
		For Class 52 Rating, Deduct	*-1,490.52*	
		For Class 54 Rating, Add	*2,052.01*	
		For Class 55 Rating, Add	*3,060.65*	
		For Class 56 Rating, Add	*4,055.75*	
40 05 19 00-2986	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,824.22	1,075.23
		For Class 52 Rating, Deduct	*-1,561.46*	
		For Class 54 Rating, Add	*2,148.81*	
		For Class 55 Rating, Add	*3,204.60*	
		For Class 56 Rating, Add	*4,246.20*	
40 05 19 00-2987	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,474.51	1,078.74
		For Class 52 Rating, Deduct	*-1,632.41*	
		For Class 54 Rating, Add	*2,245.62*	
		For Class 55 Rating, Add	*3,348.56*	
		For Class 56 Rating, Add	*4,436.66*	
40 05 19 00-2988	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,124.78	1,082.25
		For Class 52 Rating, Deduct	*-1,703.35*	
		For Class 54 Rating, Add	*2,342.43*	
		For Class 55 Rating, Add	*3,492.51*	
		For Class 56 Rating, Add	*4,627.11*	
40 05 19 00-2989	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,775.07	1,085.77
		For Class 52 Rating, Deduct	*-1,774.30*	
		For Class 54 Rating, Add	*2,439.24*	
		For Class 55 Rating, Add	*3,636.46*	
		For Class 56 Rating, Add	*4,817.56*	
40 05 19 00-2990	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,425.35	1,089.28
		For Class 52 Rating, Deduct	*-1,845.24*	
		For Class 54 Rating, Add	*2,536.04*	
		For Class 55 Rating, Add	*3,780.42*	
		For Class 56 Rating, Add	*5,008.01*	
40 05 19 00-2991	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,075.63	1,092.80
		For Class 52 Rating, Deduct	*-1,916.19*	
		For Class 54 Rating, Add	*2,632.85*	
		For Class 55 Rating, Add	*3,924.37*	
		For Class 56 Rating, Add	*5,198.47*	
40 05 19 00-2992	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,725.90	1,096.31
		For Class 52 Rating, Deduct	*-1,987.13*	
		For Class 54 Rating, Add	*2,729.66*	
		For Class 55 Rating, Add	*4,068.32*	
		For Class 56 Rating, Add	*5,388.92*	
40 05 19 00-2993	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,376.18	1,099.82
		For Class 52 Rating, Deduct	*-2,058.08*	
		For Class 54 Rating, Add	*2,826.46*	
		For Class 55 Rating, Add	*4,212.27*	
		For Class 56 Rating, Add	*5,579.38*	
40 05 19 00-2994	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,026.46	1,103.34
		For Class 52 Rating, Deduct	*-2,129.02*	
		For Class 54 Rating, Add	*2,923.27*	
		For Class 55 Rating, Add	*4,356.23*	
		For Class 56 Rating, Add	*5,769.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,676.74	1,106.85
		For Class 52 Rating, Deduct	*-2,199.97*	
		For Class 54 Rating, Add	*3,020.08*	
		For Class 55 Rating, Add	*4,500.18*	
		For Class 56 Rating, Add	*5,960.28*	
40 05 19 00-2996	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,327.02	1,110.36
		For Class 52 Rating, Deduct	*-2,270.91*	
		For Class 54 Rating, Add	*3,116.88*	
		For Class 55 Rating, Add	*4,644.13*	
		For Class 56 Rating, Add	*6,150.73*	
40 05 19 00-2997	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,977.31	1,113.88
		For Class 52 Rating, Deduct	*-2,341.86*	
		For Class 54 Rating, Add	*3,213.69*	
		For Class 55 Rating, Add	*4,788.09*	
		For Class 56 Rating, Add	*6,341.19*	
40 05 19 00-2998	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,627.57	1,117.39
		For Class 52 Rating, Deduct	*-2,412.80*	
		For Class 54 Rating, Add	*3,310.50*	
		For Class 55 Rating, Add	*4,932.04*	
		For Class 56 Rating, Add	*6,531.64*	
40 05 19 00-2999	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,277.86	1,120.91
		For Class 52 Rating, Deduct	*-2,483.75*	
		For Class 54 Rating, Add	*3,407.31*	
		For Class 55 Rating, Add	*5,075.99*	
		For Class 56 Rating, Add	*6,722.10*	
40 05 19 00-3000	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,928.13	1,124.42
		For Class 52 Rating, Deduct	*-2,554.69*	
		For Class 54 Rating, Add	*3,504.11*	
		For Class 55 Rating, Add	*5,219.94*	
		For Class 56 Rating, Add	*6,912.55*	
40 05 19 00-3001	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,668.93	1,187.68
		For Class 52 Rating, Deduct	*-2,625.64*	
		For Class 54 Rating, Add	*3,602.01*	
		For Class 55 Rating, Add	*5,366.07*	
		For Class 56 Rating, Add	*7,106.26*	
40 05 19 00-3002	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,319.20	1,191.19
		For Class 52 Rating, Deduct	*-2,696.58*	
		For Class 54 Rating, Add	*3,698.81*	
		For Class 55 Rating, Add	*5,510.02*	
		For Class 56 Rating, Add	*7,296.71*	
40 05 19 00-3003	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,969.48	1,194.71
		For Class 52 Rating, Deduct	*-2,767.53*	
		For Class 54 Rating, Add	*3,795.62*	
		For Class 55 Rating, Add	*5,653.97*	
		For Class 56 Rating, Add	*7,487.17*	
40 05 19 00-3004	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,619.75	1,198.22
		For Class 52 Rating, Deduct	*-2,838.47*	
		For Class 54 Rating, Add	*3,892.43*	
		For Class 55 Rating, Add	*5,797.93*	
		For Class 56 Rating, Add	*7,677.62*	
40 05 19 00-3005	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,270.03	1,201.73
		For Class 52 Rating, Deduct	*-2,909.42*	
		For Class 54 Rating, Add	*3,989.23*	
		For Class 55 Rating, Add	*5,941.88*	
		For Class 56 Rating, Add	*7,868.07*	
40 05 19 00-3006	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,917.27	1,205.25
		For Class 52 Rating, Deduct	*-2,980.03*	
		For Class 54 Rating, Add	*4,085.59*	
		For Class 55 Rating, Add	*6,085.15*	
		For Class 56 Rating, Add	*8,057.63*	
40 05 19 00-3007	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,570.59	1,208.76
		For Class 52 Rating, Deduct	*-3,051.31*	
		For Class 54 Rating, Add	*4,182.85*	
		For Class 55 Rating, Add	*6,229.78*	
		For Class 56 Rating, Add	*8,248.98*	
40 05 19 00-3008	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,220.88	1,212.27
		For Class 52 Rating, Deduct	*-3,122.25*	
		For Class 54 Rating, Add	*4,279.66*	
		For Class 55 Rating, Add	*6,373.74*	
		For Class 56 Rating, Add	*8,439.43*	
40 05 19 00-3009	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,871.15	1,215.79
		For Class 52 Rating, Deduct	*-3,193.20*	
		For Class 54 Rating, Add	*4,376.46*	
		For Class 55 Rating, Add	*6,517.69*	
		For Class 56 Rating, Add	*8,629.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3010		30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,328.43	1,447.70
		For Class 52 Rating, Deduct	*-894.84*	
		For Class 54 Rating, Add	*1,246.56*	
		For Class 55 Rating, Add	*1,866.74*	
		For Class 56 Rating, Add	*2,478.78*	
40 05 19 00-3012	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,258.60	1,451.21
		For Class 52 Rating, Deduct	*-996.58*	
		For Class 54 Rating, Add	*1,385.35*	
		For Class 55 Rating, Add	*2,073.10*	
		For Class 56 Rating, Add	*2,751.80*	
40 05 19 00-3013	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,188.76	1,454.72
		For Class 52 Rating, Deduct	*-1,098.31*	
		For Class 54 Rating, Add	*1,524.14*	
		For Class 55 Rating, Add	*2,279.47*	
		For Class 56 Rating, Add	*3,024.81*	
40 05 19 00-3014	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,118.92	1,458.24
		For Class 52 Rating, Deduct	*-1,200.04*	
		For Class 54 Rating, Add	*1,662.93*	
		For Class 55 Rating, Add	*2,485.84*	
		For Class 56 Rating, Add	*3,297.83*	
40 05 19 00-3015	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,049.08	1,461.75
		For Class 52 Rating, Deduct	*-1,301.77*	
		For Class 54 Rating, Add	*1,801.72*	
		For Class 55 Rating, Add	*2,692.21*	
		For Class 56 Rating, Add	*3,570.85*	
40 05 19 00-3016	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,979.25	1,465.27
		For Class 52 Rating, Deduct	*-1,403.51*	
		For Class 54 Rating, Add	*1,940.51*	
		For Class 55 Rating, Add	*2,898.57*	
		For Class 56 Rating, Add	*3,843.87*	
40 05 19 00-3017	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,909.42	1,468.78
		For Class 52 Rating, Deduct	*-1,505.24*	
		For Class 54 Rating, Add	*2,079.31*	
		For Class 55 Rating, Add	*3,104.94*	
		For Class 56 Rating, Add	*4,116.90*	
40 05 19 00-3018	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,839.59	1,472.29
		For Class 52 Rating, Deduct	*-1,606.97*	
		For Class 54 Rating, Add	*2,218.10*	
		For Class 55 Rating, Add	*3,311.31*	
		For Class 56 Rating, Add	*4,389.91*	
40 05 19 00-3019	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,769.76	1,475.81
		For Class 52 Rating, Deduct	*-1,708.70*	
		For Class 54 Rating, Add	*2,356.88*	
		For Class 55 Rating, Add	*3,517.68*	
		For Class 56 Rating, Add	*4,662.93*	
40 05 19 00-3020	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,699.91	1,479.32
		For Class 52 Rating, Deduct	*-1,810.44*	
		For Class 54 Rating, Add	*2,495.67*	
		For Class 55 Rating, Add	*3,724.04*	
		For Class 56 Rating, Add	*4,935.95*	
40 05 19 00-3021	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,630.08	1,482.84
		For Class 52 Rating, Deduct	*-1,912.17*	
		For Class 54 Rating, Add	*2,634.46*	
		For Class 55 Rating, Add	*3,930.41*	
		For Class 56 Rating, Add	*5,208.97*	
40 05 19 00-3022	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,560.24	1,486.35
		For Class 52 Rating, Deduct	*-2,013.90*	
		For Class 54 Rating, Add	*2,773.25*	
		For Class 55 Rating, Add	*4,136.78*	
		For Class 56 Rating, Add	*5,481.99*	
40 05 19 00-3023	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,490.41	1,489.86
		For Class 52 Rating, Deduct	*-2,115.63*	
		For Class 54 Rating, Add	*2,912.04*	
		For Class 55 Rating, Add	*4,343.14*	
		For Class 56 Rating, Add	*5,755.01*	
40 05 19 00-3024	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,420.57	1,493.38
		For Class 52 Rating, Deduct	*-2,217.37*	
		For Class 54 Rating, Add	*3,050.83*	
		For Class 55 Rating, Add	*4,549.51*	
		For Class 56 Rating, Add	*6,028.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3025	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,350.74	1,496.89
		For Class 52 Rating, Deduct	*-2,319.10*	
		For Class 54 Rating, Add	*3,189.62*	
		For Class 55 Rating, Add	*4,755.88*	
		For Class 56 Rating, Add	*6,301.05*	
40 05 19 00-3026	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,280.90	1,500.40
		For Class 52 Rating, Deduct	*-2,420.83*	
		For Class 54 Rating, Add	*3,328.41*	
		For Class 55 Rating, Add	*4,962.25*	
		For Class 56 Rating, Add	*6,574.07*	
40 05 19 00-3027	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,211.07	1,503.92
		For Class 52 Rating, Deduct	*-2,522.57*	
		For Class 54 Rating, Add	*3,467.21*	
		For Class 55 Rating, Add	*5,168.62*	
		For Class 56 Rating, Add	*6,847.09*	
40 05 19 00-3028	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,141.24	1,507.43
		For Class 52 Rating, Deduct	*-2,624.30*	
		For Class 54 Rating, Add	*3,606.00*	
		For Class 55 Rating, Add	*5,374.98*	
		For Class 56 Rating, Add	*7,120.11*	
40 05 19 00-3029	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,071.40	1,510.95
		For Class 52 Rating, Deduct	*-2,726.03*	
		For Class 54 Rating, Add	*3,744.79*	
		For Class 55 Rating, Add	*5,581.35*	
		For Class 56 Rating, Add	*7,393.13*	
40 05 19 00-3030	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,001.57	1,514.46
		For Class 52 Rating, Deduct	*-2,827.76*	
		For Class 54 Rating, Add	*3,883.58*	
		For Class 55 Rating, Add	*5,787.72*	
		For Class 56 Rating, Add	*7,666.15*	
40 05 19 00-3031	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,931.72	1,517.97
		For Class 52 Rating, Deduct	*-2,929.49*	
		For Class 54 Rating, Add	*4,022.36*	
		For Class 55 Rating, Add	*5,994.08*	
		For Class 56 Rating, Add	*7,939.17*	
40 05 19 00-3032	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,861.89	1,521.49
		For Class 52 Rating, Deduct	*-3,031.23*	
		For Class 54 Rating, Add	*4,161.15*	
		For Class 55 Rating, Add	*6,200.45*	
		For Class 56 Rating, Add	*8,212.19*	
40 05 19 00-3033	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,792.06	1,525.00
		For Class 52 Rating, Deduct	*-3,132.96*	
		For Class 54 Rating, Add	*4,299.94*	
		For Class 55 Rating, Add	*6,406.82*	
		For Class 56 Rating, Add	*8,485.21*	
40 05 19 00-3034	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,722.22	1,528.51
		For Class 52 Rating, Deduct	*-3,234.69*	
		For Class 54 Rating, Add	*4,438.73*	
		For Class 55 Rating, Add	*6,613.18*	
		For Class 56 Rating, Add	*8,758.23*	
40 05 19 00-3035	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,652.39	1,532.03
		For Class 52 Rating, Deduct	*-3,336.42*	
		For Class 54 Rating, Add	*4,577.52*	
		For Class 55 Rating, Add	*6,819.55*	
		For Class 56 Rating, Add	*9,031.25*	
40 05 19 00-3036	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,582.55	1,535.54
		For Class 52 Rating, Deduct	*-3,438.16*	
		For Class 54 Rating, Add	*4,716.31*	
		For Class 55 Rating, Add	*7,025.92*	
		For Class 56 Rating, Add	*9,304.27*	
40 05 19 00-3037	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,512.71	1,539.06
		For Class 52 Rating, Deduct	*-3,539.89*	
		For Class 54 Rating, Add	*4,855.10*	
		For Class 55 Rating, Add	*7,232.29*	
		For Class 56 Rating, Add	*9,577.29*	
40 05 19 00-3038	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,442.88	1,542.57
		For Class 52 Rating, Deduct	*-3,641.62*	
		For Class 54 Rating, Add	*4,993.90*	
		For Class 55 Rating, Add	*7,438.66*	
		For Class 56 Rating, Add	*9,850.31*	
40 05 19 00-3039	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,373.05	1,546.08
		For Class 52 Rating, Deduct	*-3,743.36*	
		For Class 54 Rating, Add	*5,132.69*	
		For Class 55 Rating, Add	*7,645.02*	
		For Class 56 Rating, Add	*10,123.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3040	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,303.22	1,549.60
		For Class 52 Rating, Deduct	*-3,845.09*	
		For Class 54 Rating, Add	*5,271.48*	
		For Class 55 Rating, Add	*7,851.39*	
		For Class 56 Rating, Add	*10,396.35*	
40 05 19 00-3041	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,233.38	1,553.11
		For Class 52 Rating, Deduct	*-3,946.82*	
		For Class 54 Rating, Add	*5,410.27*	
		For Class 55 Rating, Add	*8,057.76*	
		For Class 56 Rating, Add	*10,669.37*	
40 05 19 00-3042	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,163.55	1,556.62
		For Class 52 Rating, Deduct	*-4,048.55*	
		For Class 54 Rating, Add	*5,549.06*	
		For Class 55 Rating, Add	*8,264.12*	
		For Class 56 Rating, Add	*10,942.39*	
40 05 19 00-3043	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,093.70	1,560.14
		For Class 52 Rating, Deduct	*-4,150.28*	
		For Class 54 Rating, Add	*5,687.85*	
		For Class 55 Rating, Add	*8,470.49*	
		For Class 56 Rating, Add	*11,215.41*	
40 05 19 00-3044	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,023.87	1,563.65
		For Class 52 Rating, Deduct	*-4,252.02*	
		For Class 54 Rating, Add	*5,826.64*	
		For Class 55 Rating, Add	*8,676.86*	
		For Class 56 Rating, Add	*11,488.43*	
40 05 19 00-3045	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,954.03	1,567.17
		For Class 52 Rating, Deduct	*-4,353.75*	
		For Class 54 Rating, Add	*5,965.42*	
		For Class 55 Rating, Add	*8,883.23*	
		For Class 56 Rating, Add	*11,761.45*	

40 05 19 00-3046 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,281.83	1,834.21
		For Class 52 Rating, Deduct	*-1,265.30*	
		For Class 54 Rating, Add	*1,758.76*	
		For Class 55 Rating, Add	*2,631.80*	
		For Class 56 Rating, Add	*3,493.35*	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,528.39	1,837.73
		For Class 52 Rating, Deduct	*-1,401.83*	
		For Class 54 Rating, Add	*1,945.00*	
		For Class 55 Rating, Add	*2,908.73*	
		For Class 56 Rating, Add	*3,859.70*	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,774.94	1,841.24
		For Class 52 Rating, Deduct	*-1,538.37*	
		For Class 54 Rating, Add	*2,131.25*	
		For Class 55 Rating, Add	*3,185.65*	
		For Class 56 Rating, Add	*4,226.06*	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,021.50	1,844.75
		For Class 52 Rating, Deduct	*-1,674.91*	
		For Class 54 Rating, Add	*2,317.50*	
		For Class 55 Rating, Add	*3,462.57*	
		For Class 56 Rating, Add	*4,592.41*	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,268.06	1,848.27
		For Class 52 Rating, Deduct	*-1,811.44*	
		For Class 54 Rating, Add	*2,503.75*	
		For Class 55 Rating, Add	*3,739.50*	
		For Class 56 Rating, Add	*4,958.77*	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,514.62	1,851.78
		For Class 52 Rating, Deduct	*-1,947.98*	
		For Class 54 Rating, Add	*2,690.00*	
		For Class 55 Rating, Add	*4,016.42*	
		For Class 56 Rating, Add	*5,325.13*	
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,761.17	1,855.30
		For Class 52 Rating, Deduct	*-2,084.51*	
		For Class 54 Rating, Add	*2,876.25*	
		For Class 55 Rating, Add	*4,293.34*	
		For Class 56 Rating, Add	*5,691.48*	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,007.74	1,858.81
		For Class 52 Rating, Deduct	*-2,221.05*	
		For Class 54 Rating, Add	*3,062.50*	
		For Class 55 Rating, Add	*4,570.26*	
		For Class 56 Rating, Add	*6,057.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,254.29	1,862.32
		For Class 52 Rating, Deduct	*-2,357.58*	
		For Class 54 Rating, Add	*3,248.75*	
		For Class 55 Rating, Add	*4,847.19*	
		For Class 56 Rating, Add	*6,424.19*	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,500.84	1,865.84
		For Class 52 Rating, Deduct	*-2,494.12*	
		For Class 54 Rating, Add	*3,435.00*	
		For Class 55 Rating, Add	*5,124.11*	
		For Class 56 Rating, Add	*6,790.55*	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,747.41	1,869.35
		For Class 52 Rating, Deduct	*-2,630.66*	
		For Class 54 Rating, Add	*3,621.25*	
		For Class 55 Rating, Add	*5,401.03*	
		For Class 56 Rating, Add	*7,156.90*	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,993.96	1,872.86
		For Class 52 Rating, Deduct	*-2,767.19*	
		For Class 54 Rating, Add	*3,807.49*	
		For Class 55 Rating, Add	*5,677.95*	
		For Class 56 Rating, Add	*7,523.26*	
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,240.53	1,876.38
		For Class 52 Rating, Deduct	*-2,903.73*	
		For Class 54 Rating, Add	*3,993.74*	
		For Class 55 Rating, Add	*5,954.88*	
		For Class 56 Rating, Add	*7,889.62*	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,487.07	1,879.89
		For Class 52 Rating, Deduct	*-3,040.26*	
		For Class 54 Rating, Add	*4,179.99*	
		For Class 55 Rating, Add	*6,231.80*	
		For Class 56 Rating, Add	*8,255.97*	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,733.63	1,883.41
		For Class 52 Rating, Deduct	*-3,176.80*	
		For Class 54 Rating, Add	*4,366.24*	
		For Class 55 Rating, Add	*6,508.72*	
		For Class 56 Rating, Add	*8,622.33*	
40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,980.20	1,886.92
		For Class 52 Rating, Deduct	*-3,313.33*	
		For Class 54 Rating, Add	*4,552.49*	
		For Class 55 Rating, Add	*6,785.65*	
		For Class 56 Rating, Add	*8,988.68*	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,226.75	1,890.43
		For Class 52 Rating, Deduct	*-3,449.87*	
		For Class 54 Rating, Add	*4,738.74*	
		For Class 55 Rating, Add	*7,062.57*	
		For Class 56 Rating, Add	*9,355.04*	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,473.32	1,893.95
		For Class 52 Rating, Deduct	*-3,586.41*	
		For Class 54 Rating, Add	*4,924.99*	
		For Class 55 Rating, Add	*7,339.49*	
		For Class 56 Rating, Add	*9,721.40*	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,719.87	1,897.46
		For Class 52 Rating, Deduct	*-3,722.94*	
		For Class 54 Rating, Add	*5,111.24*	
		For Class 55 Rating, Add	*7,616.42*	
		For Class 56 Rating, Add	*10,087.75*	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,966.42	1,900.98
		For Class 52 Rating, Deduct	*-3,859.48*	
		For Class 54 Rating, Add	*5,297.49*	
		For Class 55 Rating, Add	*7,893.34*	
		For Class 56 Rating, Add	*10,454.10*	
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,212.98	1,904.49
		For Class 52 Rating, Deduct	*-3,996.01*	
		For Class 54 Rating, Add	*5,483.74*	
		For Class 55 Rating, Add	*8,170.26*	
		For Class 56 Rating, Add	*10,820.46*	
40 05 19 00-3068	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,459.54	1,908.00
		For Class 52 Rating, Deduct	*-4,132.55*	
		For Class 54 Rating, Add	*5,669.98*	
		For Class 55 Rating, Add	*8,447.18*	
		For Class 56 Rating, Add	*11,186.82*	
40 05 19 00-3069	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,706.11	1,911.52
		For Class 52 Rating, Deduct	*-4,269.08*	
		For Class 54 Rating, Add	*5,856.23*	
		For Class 55 Rating, Add	*8,724.11*	
		For Class 56 Rating, Add	*11,553.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3070	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,952.66	1,915.03
		For Class 52 Rating, Deduct	*-4,405.62*	
		For Class 54 Rating, Add	*6,042.48*	
		For Class 55 Rating, Add	*9,001.03*	
		For Class 56 Rating, Add	*11,919.53*	
40 05 19 00-3071	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,199.22	1,918.55
		For Class 52 Rating, Deduct	*-4,542.16*	
		For Class 54 Rating, Add	*6,228.73*	
		For Class 55 Rating, Add	*9,277.95*	
		For Class 56 Rating, Add	*12,285.88*	
40 05 19 00-3072	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,445.77	1,922.07
		For Class 52 Rating, Deduct	*-4,678.69*	
		For Class 54 Rating, Add	*6,414.98*	
		For Class 55 Rating, Add	*9,554.88*	
		For Class 56 Rating, Add	*12,652.24*	
40 05 19 00-3073	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,692.33	1,925.58
		For Class 52 Rating, Deduct	*-4,815.23*	
		For Class 54 Rating, Add	*6,601.23*	
		For Class 55 Rating, Add	*9,831.80*	
		For Class 56 Rating, Add	*13,018.59*	
40 05 19 00-3074	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,938.89	1,929.10
		For Class 52 Rating, Deduct	*-4,951.76*	
		For Class 54 Rating, Add	*6,787.48*	
		For Class 55 Rating, Add	*10,108.72*	
		For Class 56 Rating, Add	*13,384.95*	
40 05 19 00-3075	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,185.45	1,932.61
		For Class 52 Rating, Deduct	*-5,088.30*	
		For Class 54 Rating, Add	*6,973.73*	
		For Class 55 Rating, Add	*10,385.65*	
		For Class 56 Rating, Add	*13,751.31*	
40 05 19 00-3076	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,432.01	1,936.12
		For Class 52 Rating, Deduct	*-5,224.83*	
		For Class 54 Rating, Add	*7,159.98*	
		For Class 55 Rating, Add	*10,662.57*	
		For Class 56 Rating, Add	*14,117.66*	
40 05 19 00-3077	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,678.56	1,939.64
		For Class 52 Rating, Deduct	*-5,361.37*	
		For Class 54 Rating, Add	*7,346.23*	
		For Class 55 Rating, Add	*10,939.49*	
		For Class 56 Rating, Add	*14,484.02*	
40 05 19 00-3078	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,925.12	1,943.15
		For Class 52 Rating, Deduct	*-5,497.91*	
		For Class 54 Rating, Add	*7,532.47*	
		For Class 55 Rating, Add	*11,216.41*	
		For Class 56 Rating, Add	*14,850.37*	
40 05 19 00-3079	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,171.67	1,946.66
		For Class 52 Rating, Deduct	*-5,634.44*	
		For Class 54 Rating, Add	*7,718.72*	
		For Class 55 Rating, Add	*11,493.34*	
		For Class 56 Rating, Add	*15,216.73*	
40 05 19 00-3080	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,418.24	1,950.18
		For Class 52 Rating, Deduct	*-5,770.98*	
		For Class 54 Rating, Add	*7,904.97*	
		For Class 55 Rating, Add	*11,770.26*	
		For Class 56 Rating, Add	*15,583.09*	
40 05 19 00-3081	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,664.79	1,953.69
		For Class 52 Rating, Deduct	*-5,907.51*	
		For Class 54 Rating, Add	*8,091.22*	
		For Class 55 Rating, Add	*12,047.18*	
		For Class 56 Rating, Add	*15,949.44*	

40 05 19 00-3082 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-3083 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	774.51	171.84
		For Class 52 Rating, Deduct	*-56.56*	
		For Class 54 Rating, Add	*80.25*	
		For Class 55 Rating, Add	*120.90*	
		For Class 56 Rating, Add	*161.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	894.66	174.85
		For Class 52 Rating, Deduct	*-69.27*	
		For Class 54 Rating, Add	*97.64*	
		For Class 55 Rating, Add	*146.79*	
		For Class 56 Rating, Add	*195.31*	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,014.83	177.87
		For Class 52 Rating, Deduct	*-81.99*	
		For Class 54 Rating, Add	*115.04*	
		For Class 55 Rating, Add	*172.68*	
		For Class 56 Rating, Add	*229.58*	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,134.98	180.86
		For Class 52 Rating, Deduct	*-94.70*	
		For Class 54 Rating, Add	*132.43*	
		For Class 55 Rating, Add	*198.57*	
		For Class 56 Rating, Add	*263.85*	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,255.14	183.87
		For Class 52 Rating, Deduct	*-107.42*	
		For Class 54 Rating, Add	*149.83*	
		For Class 55 Rating, Add	*224.46*	
		For Class 56 Rating, Add	*298.11*	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,375.28	186.87
		For Class 52 Rating, Deduct	*-120.14*	
		For Class 54 Rating, Add	*167.22*	
		For Class 55 Rating, Add	*250.35*	
		For Class 56 Rating, Add	*332.38*	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,495.45	189.88
		For Class 52 Rating, Deduct	*-132.85*	
		For Class 54 Rating, Add	*184.62*	
		For Class 55 Rating, Add	*276.24*	
		For Class 56 Rating, Add	*366.65*	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,615.60	192.87
		For Class 52 Rating, Deduct	*-145.57*	
		For Class 54 Rating, Add	*202.01*	
		For Class 55 Rating, Add	*302.13*	
		For Class 56 Rating, Add	*400.91*	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,735.76	195.89
		For Class 52 Rating, Deduct	*-158.29*	
		For Class 54 Rating, Add	*219.41*	
		For Class 55 Rating, Add	*328.02*	
		For Class 56 Rating, Add	*435.18*	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,855.91	198.89
		For Class 52 Rating, Deduct	*-171.00*	
		For Class 54 Rating, Add	*236.80*	
		For Class 55 Rating, Add	*353.90*	
		For Class 56 Rating, Add	*469.45*	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,976.08	201.89
		For Class 52 Rating, Deduct	*-183.72*	
		For Class 54 Rating, Add	*254.20*	
		For Class 55 Rating, Add	*379.79*	
		For Class 56 Rating, Add	*503.72*	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,096.23	204.89
		For Class 52 Rating, Deduct	*-196.44*	
		For Class 54 Rating, Add	*271.59*	
		For Class 55 Rating, Add	*405.68*	
		For Class 56 Rating, Add	*537.98*	
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,216.39	207.90
		For Class 52 Rating, Deduct	*-209.15*	
		For Class 54 Rating, Add	*288.99*	
		For Class 55 Rating, Add	*431.57*	
		For Class 56 Rating, Add	*572.25*	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,336.55	210.91
		For Class 52 Rating, Deduct	*-221.87*	
		For Class 54 Rating, Add	*306.39*	
		For Class 55 Rating, Add	*457.46*	
		For Class 56 Rating, Add	*606.52*	
40 05 19 00-3098	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,456.71	213.91
		For Class 52 Rating, Deduct	*-234.59*	
		For Class 54 Rating, Add	*323.78*	
		For Class 55 Rating, Add	*483.35*	
		For Class 56 Rating, Add	*640.79*	
40 05 19 00-3099	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,576.87	216.91
		For Class 52 Rating, Deduct	*-247.30*	
		For Class 54 Rating, Add	*341.18*	
		For Class 55 Rating, Add	*509.24*	
		For Class 56 Rating, Add	*675.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3100	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,697.02	219.92
		For Class 52 Rating, Deduct	*-260.02*	
		For Class 54 Rating, Add	*358.57*	
		For Class 55 Rating, Add	*535.13*	
		For Class 56 Rating, Add	*709.32*	
40 05 19 00-3101	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,817.18	222.91
		For Class 52 Rating, Deduct	*-272.74*	
		For Class 54 Rating, Add	*375.97*	
		For Class 55 Rating, Add	*561.02*	
		For Class 56 Rating, Add	*743.59*	
40 05 19 00-3102	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,937.34	225.92
		For Class 52 Rating, Deduct	*-285.45*	
		For Class 54 Rating, Add	*393.36*	
		For Class 55 Rating, Add	*586.91*	
		For Class 56 Rating, Add	*777.86*	
40 05 19 00-3103	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,057.50	228.93
		For Class 52 Rating, Deduct	*-298.17*	
		For Class 54 Rating, Add	*410.76*	
		For Class 55 Rating, Add	*612.80*	
		For Class 56 Rating, Add	*812.13*	
40 05 19 00-3104	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,177.65	231.94
		For Class 52 Rating, Deduct	*-310.89*	
		For Class 54 Rating, Add	*428.15*	
		For Class 55 Rating, Add	*638.69*	
		For Class 56 Rating, Add	*846.39*	
40 05 19 00-3105	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,297.81	234.94
		For Class 52 Rating, Deduct	*-323.60*	
		For Class 54 Rating, Add	*445.55*	
		For Class 55 Rating, Add	*664.58*	
		For Class 56 Rating, Add	*880.66*	
40 05 19 00-3106	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,417.97	237.94
		For Class 52 Rating, Deduct	*-336.32*	
		For Class 54 Rating, Add	*462.94*	
		For Class 55 Rating, Add	*690.46*	
		For Class 56 Rating, Add	*914.93*	
40 05 19 00-3107	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,538.13	240.95
		For Class 52 Rating, Deduct	*-349.04*	
		For Class 54 Rating, Add	*480.34*	
		For Class 55 Rating, Add	*716.35*	
		For Class 56 Rating, Add	*949.20*	
40 05 19 00-3108	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,956.42	243.94
		For Class 52 Rating, Deduct	*-394.55*	
		For Class 54 Rating, Add	*542.46*	
		For Class 55 Rating, Add	*808.73*	
		For Class 56 Rating, Add	*1,071.41*	
40 05 19 00-3109	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,076.58	246.95
		For Class 52 Rating, Deduct	*-407.27*	
		For Class 54 Rating, Add	*559.85*	
		For Class 55 Rating, Add	*834.62*	
		For Class 56 Rating, Add	*1,105.68*	
40 05 19 00-3110	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,196.73	249.96
		For Class 52 Rating, Deduct	*-419.98*	
		For Class 54 Rating, Add	*577.25*	
		For Class 55 Rating, Add	*860.51*	
		For Class 56 Rating, Add	*1,139.95*	
40 05 19 00-3111	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,316.90	252.97
		For Class 52 Rating, Deduct	*-432.70*	
		For Class 54 Rating, Add	*594.64*	
		For Class 55 Rating, Add	*886.40*	
		For Class 56 Rating, Add	*1,174.22*	
40 05 19 00-3112	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,437.05	255.96
		For Class 52 Rating, Deduct	*-445.41*	
		For Class 54 Rating, Add	*612.04*	
		For Class 55 Rating, Add	*912.28*	
		For Class 56 Rating, Add	*1,208.48*	
40 05 19 00-3113	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,557.21	258.97
		For Class 52 Rating, Deduct	*-458.13*	
		For Class 54 Rating, Add	*629.43*	
		For Class 55 Rating, Add	*938.17*	
		For Class 56 Rating, Add	*1,242.75*	
40 05 19 00-3114	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,677.35	261.98
		For Class 52 Rating, Deduct	*-470.85*	
		For Class 54 Rating, Add	*646.83*	
		For Class 55 Rating, Add	*964.06*	
		For Class 56 Rating, Add	*1,277.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3115	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,797.52	264.99
		For Class 52 Rating, Deduct	*-483.56*	
		For Class 54 Rating, Add	*664.22*	
		For Class 55 Rating, Add	*989.95*	
		For Class 56 Rating, Add	*1,311.29*	
40 05 19 00-3116	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,917.67	267.99
		For Class 52 Rating, Deduct	*-496.28*	
		For Class 54 Rating, Add	*681.62*	
		For Class 55 Rating, Add	*1,015.84*	
		For Class 56 Rating, Add	*1,345.55*	
40 05 19 00-3117	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,037.83	270.99
		For Class 52 Rating, Deduct	*-509.00*	
		For Class 54 Rating, Add	*699.01*	
		For Class 55 Rating, Add	*1,041.73*	
		For Class 56 Rating, Add	*1,379.82*	
40 05 19 00-3118	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,157.98	274.00
		For Class 52 Rating, Deduct	*-521.71*	
		For Class 54 Rating, Add	*716.41*	
		For Class 55 Rating, Add	*1,067.62*	
		For Class 56 Rating, Add	*1,414.09*	
40 05 19 00-3119	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,278.15	276.99
		For Class 52 Rating, Deduct	*-534.43*	
		For Class 54 Rating, Add	*733.81*	
		For Class 55 Rating, Add	*1,093.51*	
		For Class 56 Rating, Add	*1,448.35*	
40 05 19 00-3120	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,398.30	280.00
		For Class 52 Rating, Deduct	*-547.15*	
		For Class 54 Rating, Add	*751.20*	
		For Class 55 Rating, Add	*1,119.40*	
		For Class 56 Rating, Add	*1,482.62*	
40 05 19 00-3121	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,518.46	283.01
		For Class 52 Rating, Deduct	*-559.86*	
		For Class 54 Rating, Add	*768.60*	
		For Class 55 Rating, Add	*1,145.29*	
		For Class 56 Rating, Add	*1,516.89*	
40 05 19 00-3122	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,638.61	286.02
		For Class 52 Rating, Deduct	*-572.58*	
		For Class 54 Rating, Add	*785.99*	
		For Class 55 Rating, Add	*1,171.18*	
		For Class 56 Rating, Add	*1,551.15*	

40 05 19 00-3123 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	951.40	216.32
		For Class 52 Rating, Deduct	*-68.60*	
		For Class 54 Rating, Add	*97.48*	
		For Class 55 Rating, Add	*146.94*	
		For Class 56 Rating, Add	*195.78*	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,089.81	219.32
		For Class 52 Rating, Deduct	*-83.33*	
		For Class 54 Rating, Add	*117.62*	
		For Class 55 Rating, Add	*176.90*	
		For Class 56 Rating, Add	*235.43*	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,228.23	222.32
		For Class 52 Rating, Deduct	*-98.05*	
		For Class 54 Rating, Add	*137.75*	
		For Class 55 Rating, Add	*206.86*	
		For Class 56 Rating, Add	*275.08*	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,366.63	225.32
		For Class 52 Rating, Deduct	*-112.78*	
		For Class 54 Rating, Add	*157.88*	
		For Class 55 Rating, Add	*236.82*	
		For Class 56 Rating, Add	*314.73*	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,505.04	228.33
		For Class 52 Rating, Deduct	*-127.50*	
		For Class 54 Rating, Add	*178.01*	
		For Class 55 Rating, Add	*266.78*	
		For Class 56 Rating, Add	*354.39*	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,643.45	231.32
		For Class 52 Rating, Deduct	*-142.22*	
		For Class 54 Rating, Add	*198.15*	
		For Class 55 Rating, Add	*296.74*	
		For Class 56 Rating, Add	*394.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3130	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,781.87	234.34
		For Class 52 Rating, Deduct	*-156.95*	
		For Class 54 Rating, Add	*218.28*	
		For Class 55 Rating, Add	*326.70*	
		For Class 56 Rating, Add	*433.69*	
40 05 19 00-3131	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,920.28	237.35
		For Class 52 Rating, Deduct	*-171.67*	
		For Class 54 Rating, Add	*238.42*	
		For Class 55 Rating, Add	*356.66*	
		For Class 56 Rating, Add	*473.34*	
40 05 19 00-3132	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,058.69	240.35
		For Class 52 Rating, Deduct	*-186.40*	
		For Class 54 Rating, Add	*258.55*	
		For Class 55 Rating, Add	*386.62*	
		For Class 56 Rating, Add	*513.00*	
40 05 19 00-3133	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,197.10	243.35
		For Class 52 Rating, Deduct	*-201.12*	
		For Class 54 Rating, Add	*278.68*	
		For Class 55 Rating, Add	*416.58*	
		For Class 56 Rating, Add	*552.65*	
40 05 19 00-3134	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,335.51	246.35
		For Class 52 Rating, Deduct	*-215.85*	
		For Class 54 Rating, Add	*298.82*	
		For Class 55 Rating, Add	*446.54*	
		For Class 56 Rating, Add	*592.30*	
40 05 19 00-3135	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,473.92	249.36
		For Class 52 Rating, Deduct	*-230.57*	
		For Class 54 Rating, Add	*318.95*	
		For Class 55 Rating, Add	*476.50*	
		For Class 56 Rating, Add	*631.95*	
40 05 19 00-3136	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,612.33	252.36
		For Class 52 Rating, Deduct	*-245.30*	
		For Class 54 Rating, Add	*339.08*	
		For Class 55 Rating, Add	*506.46*	
		For Class 56 Rating, Add	*671.60*	
40 05 19 00-3137	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,750.74	255.37
		For Class 52 Rating, Deduct	*-260.02*	
		For Class 54 Rating, Add	*359.22*	
		For Class 55 Rating, Add	*536.42*	
		For Class 56 Rating, Add	*711.26*	
40 05 19 00-3138	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,889.16	258.37
		For Class 52 Rating, Deduct	*-274.74*	
		For Class 54 Rating, Add	*379.35*	
		For Class 55 Rating, Add	*566.38*	
		For Class 56 Rating, Add	*750.91*	
40 05 19 00-3139	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,027.57	261.38
		For Class 52 Rating, Deduct	*-289.47*	
		For Class 54 Rating, Add	*399.48*	
		For Class 55 Rating, Add	*596.34*	
		For Class 56 Rating, Add	*790.56*	
40 05 19 00-3140	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,165.98	264.37
		For Class 52 Rating, Deduct	*-304.19*	
		For Class 54 Rating, Add	*419.62*	
		For Class 55 Rating, Add	*626.30*	
		For Class 56 Rating, Add	*830.21*	
40 05 19 00-3141	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,304.37	267.38
		For Class 52 Rating, Deduct	*-318.92*	
		For Class 54 Rating, Add	*439.75*	
		For Class 55 Rating, Add	*656.26*	
		For Class 56 Rating, Add	*869.86*	
40 05 19 00-3142	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,442.79	270.39
		For Class 52 Rating, Deduct	*-333.64*	
		For Class 54 Rating, Add	*459.88*	
		For Class 55 Rating, Add	*686.22*	
		For Class 56 Rating, Add	*909.52*	
40 05 19 00-3143	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,581.20	273.40
		For Class 52 Rating, Deduct	*-348.37*	
		For Class 54 Rating, Add	*480.02*	
		For Class 55 Rating, Add	*716.18*	
		For Class 56 Rating, Add	*949.17*	
40 05 19 00-3144	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,719.61	276.39
		For Class 52 Rating, Deduct	*-363.09*	
		For Class 54 Rating, Add	*500.15*	
		For Class 55 Rating, Add	*746.14*	
		For Class 56 Rating, Add	*988.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,858.02	279.40
		For Class 52 Rating, Deduct	*-377.82*	
		For Class 54 Rating, Add	*520.28*	
		For Class 55 Rating, Add	*776.10*	
		For Class 56 Rating, Add	*1,028.47*	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,996.44	282.41
		For Class 52 Rating, Deduct	*-392.54*	
		For Class 54 Rating, Add	*540.42*	
		For Class 55 Rating, Add	*806.06*	
		For Class 56 Rating, Add	*1,068.13*	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,134.85	285.40
		For Class 52 Rating, Deduct	*-407.27*	
		For Class 54 Rating, Add	*560.55*	
		For Class 55 Rating, Add	*836.02*	
		For Class 56 Rating, Add	*1,107.78*	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,273.25	288.42
		For Class 52 Rating, Deduct	*-421.99*	
		For Class 54 Rating, Add	*580.68*	
		For Class 55 Rating, Add	*865.97*	
		For Class 56 Rating, Add	*1,147.43*	
40 05 19 00-3149	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,411.66	291.42
		For Class 52 Rating, Deduct	*-436.71*	
		For Class 54 Rating, Add	*600.82*	
		For Class 55 Rating, Add	*895.93*	
		For Class 56 Rating, Add	*1,187.08*	
40 05 19 00-3150	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,550.07	294.43
		For Class 52 Rating, Deduct	*-451.44*	
		For Class 54 Rating, Add	*620.95*	
		For Class 55 Rating, Add	*925.89*	
		For Class 56 Rating, Add	*1,226.73*	
40 05 19 00-3151	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,688.49	297.42
		For Class 52 Rating, Deduct	*-466.16*	
		For Class 54 Rating, Add	*641.08*	
		For Class 55 Rating, Add	*955.85*	
		For Class 56 Rating, Add	*1,266.39*	
40 05 19 00-3152	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,826.90	300.43
		For Class 52 Rating, Deduct	*-480.89*	
		For Class 54 Rating, Add	*661.22*	
		For Class 55 Rating, Add	*985.81*	
		For Class 56 Rating, Add	*1,306.04*	
40 05 19 00-3153	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,965.31	303.44
		For Class 52 Rating, Deduct	*-495.61*	
		For Class 54 Rating, Add	*681.35*	
		For Class 55 Rating, Add	*1,015.77*	
		For Class 56 Rating, Add	*1,345.69*	
40 05 19 00-3154	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,103.72	306.44
		For Class 52 Rating, Deduct	*-510.34*	
		For Class 54 Rating, Add	*701.48*	
		For Class 55 Rating, Add	*1,045.73*	
		For Class 56 Rating, Add	*1,385.34*	
40 05 19 00-3155	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,242.13	309.44
		For Class 52 Rating, Deduct	*-525.06*	
		For Class 54 Rating, Add	*721.62*	
		For Class 55 Rating, Add	*1,075.69*	
		For Class 56 Rating, Add	*1,424.99*	
40 05 19 00-3156	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,380.54	312.45
		For Class 52 Rating, Deduct	*-539.78*	
		For Class 54 Rating, Add	*741.75*	
		For Class 55 Rating, Add	*1,105.65*	
		For Class 56 Rating, Add	*1,464.65*	
40 05 19 00-3157	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,518.95	315.46
		For Class 52 Rating, Deduct	*-554.51*	
		For Class 54 Rating, Add	*761.88*	
		For Class 55 Rating, Add	*1,135.61*	
		For Class 56 Rating, Add	*1,504.30*	
40 05 19 00-3158	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,657.36	318.45
		For Class 52 Rating, Deduct	*-569.23*	
		For Class 54 Rating, Add	*782.02*	
		For Class 55 Rating, Add	*1,165.57*	
		For Class 56 Rating, Add	*1,543.95*	
40 05 19 00-3159	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,795.78	321.47
		For Class 52 Rating, Deduct	*-583.96*	
		For Class 54 Rating, Add	*802.15*	
		For Class 55 Rating, Add	*1,195.53*	
		For Class 56 Rating, Add	*1,583.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3160	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,934.19	324.47
		For Class 52 Rating, Deduct	*-598.68*	
		For Class 54 Rating, Add	*822.28*	
		For Class 55 Rating, Add	*1,225.49*	
		For Class 56 Rating, Add	*1,623.26*	
40 05 19 00-3161	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,072.60	327.47
		For Class 52 Rating, Deduct	*-613.41*	
		For Class 54 Rating, Add	*842.42*	
		For Class 55 Rating, Add	*1,255.45*	
		For Class 56 Rating, Add	*1,662.91*	
40 05 19 00-3162	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,211.00	330.47
		For Class 52 Rating, Deduct	*-628.13*	
		For Class 54 Rating, Add	*862.55*	
		For Class 55 Rating, Add	*1,285.41*	
		For Class 56 Rating, Add	*1,702.56*	

40 05 19 00-3163 8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,297.99	276.39
		For Class 52 Rating, Deduct	*-96.71*	
		For Class 54 Rating, Add	*136.91*	
		For Class 55 Rating, Add	*206.11*	
		For Class 56 Rating, Add	*274.44*	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,475.95	279.40
		For Class 52 Rating, Deduct	*-115.79*	
		For Class 54 Rating, Add	*162.97*	
		For Class 55 Rating, Add	*244.89*	
		For Class 56 Rating, Add	*325.76*	
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,653.91	282.41
		For Class 52 Rating, Deduct	*-134.86*	
		For Class 54 Rating, Add	*189.04*	
		For Class 55 Rating, Add	*283.67*	
		For Class 56 Rating, Add	*377.08*	
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,831.87	285.40
		For Class 52 Rating, Deduct	*-153.94*	
		For Class 54 Rating, Add	*215.10*	
		For Class 55 Rating, Add	*322.45*	
		For Class 56 Rating, Add	*428.40*	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,009.83	288.42
		For Class 52 Rating, Deduct	*-173.01*	
		For Class 54 Rating, Add	*241.17*	
		For Class 55 Rating, Add	*361.23*	
		For Class 56 Rating, Add	*479.72*	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,187.79	291.42
		For Class 52 Rating, Deduct	*-192.09*	
		For Class 54 Rating, Add	*267.24*	
		For Class 55 Rating, Add	*400.01*	
		For Class 56 Rating, Add	*531.04*	
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,365.74	294.43
		For Class 52 Rating, Deduct	*-211.16*	
		For Class 54 Rating, Add	*293.30*	
		For Class 55 Rating, Add	*438.79*	
		For Class 56 Rating, Add	*582.36*	
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,543.71	297.42
		For Class 52 Rating, Deduct	*-230.24*	
		For Class 54 Rating, Add	*319.37*	
		For Class 55 Rating, Add	*477.57*	
		For Class 56 Rating, Add	*633.68*	
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,721.67	300.43
		For Class 52 Rating, Deduct	*-249.31*	
		For Class 54 Rating, Add	*345.43*	
		For Class 55 Rating, Add	*516.35*	
		For Class 56 Rating, Add	*685.00*	
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,899.63	303.44
		For Class 52 Rating, Deduct	*-268.39*	
		For Class 54 Rating, Add	*371.50*	
		For Class 55 Rating, Add	*555.13*	
		For Class 56 Rating, Add	*736.32*	
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,077.58	306.44
		For Class 52 Rating, Deduct	*-287.46*	
		For Class 54 Rating, Add	*397.56*	
		For Class 55 Rating, Add	*593.90*	
		For Class 56 Rating, Add	*787.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,255.55	309.44
		For Class 52 Rating, Deduct	*-306.54*	
		For Class 54 Rating, Add	*423.63*	
		For Class 55 Rating, Add	*632.68*	
		For Class 56 Rating, Add	*838.95*	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,433.51	312.45
		For Class 52 Rating, Deduct	*-325.61*	
		For Class 54 Rating, Add	*449.70*	
		For Class 55 Rating, Add	*671.46*	
		For Class 56 Rating, Add	*890.27*	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,611.47	315.46
		For Class 52 Rating, Deduct	*-344.69*	
		For Class 54 Rating, Add	*475.76*	
		For Class 55 Rating, Add	*710.24*	
		For Class 56 Rating, Add	*941.59*	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,789.42	318.45
		For Class 52 Rating, Deduct	*-363.76*	
		For Class 54 Rating, Add	*501.83*	
		For Class 55 Rating, Add	*749.02*	
		For Class 56 Rating, Add	*992.91*	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,967.39	321.47
		For Class 52 Rating, Deduct	*-382.84*	
		For Class 54 Rating, Add	*527.89*	
		For Class 55 Rating, Add	*787.80*	
		For Class 56 Rating, Add	*1,044.23*	
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,145.35	324.47
		For Class 52 Rating, Deduct	*-401.91*	
		For Class 54 Rating, Add	*553.96*	
		For Class 55 Rating, Add	*826.58*	
		For Class 56 Rating, Add	*1,095.55*	
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,323.31	327.47
		For Class 52 Rating, Deduct	*-420.99*	
		For Class 54 Rating, Add	*580.03*	
		For Class 55 Rating, Add	*865.36*	
		For Class 56 Rating, Add	*1,146.87*	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,501.27	330.47
		For Class 52 Rating, Deduct	*-440.06*	
		For Class 54 Rating, Add	*606.09*	
		For Class 55 Rating, Add	*904.14*	
		For Class 56 Rating, Add	*1,198.19*	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,679.23	333.48
		For Class 52 Rating, Deduct	*-459.13*	
		For Class 54 Rating, Add	*632.16*	
		For Class 55 Rating, Add	*942.92*	
		For Class 56 Rating, Add	*1,249.51*	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,857.19	336.49
		For Class 52 Rating, Deduct	*-478.21*	
		For Class 54 Rating, Add	*658.22*	
		For Class 55 Rating, Add	*981.70*	
		For Class 56 Rating, Add	*1,300.83*	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,035.15	339.49
		For Class 52 Rating, Deduct	*-497.28*	
		For Class 54 Rating, Add	*684.29*	
		For Class 55 Rating, Add	*1,020.48*	
		For Class 56 Rating, Add	*1,352.14*	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,213.11	342.49
		For Class 52 Rating, Deduct	*-516.36*	
		For Class 54 Rating, Add	*710.35*	
		For Class 55 Rating, Add	*1,059.26*	
		For Class 56 Rating, Add	*1,403.46*	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,391.06	345.50
		For Class 52 Rating, Deduct	*-535.43*	
		For Class 54 Rating, Add	*736.42*	
		For Class 55 Rating, Add	*1,098.03*	
		For Class 56 Rating, Add	*1,454.78*	
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,569.02	348.50
		For Class 52 Rating, Deduct	*-554.51*	
		For Class 54 Rating, Add	*762.48*	
		For Class 55 Rating, Add	*1,136.81*	
		For Class 56 Rating, Add	*1,506.10*	
40 05 19 00-3189	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,746.98	351.50
		For Class 52 Rating, Deduct	*-573.58*	
		For Class 54 Rating, Add	*788.55*	
		For Class 55 Rating, Add	*1,175.59*	
		For Class 56 Rating, Add	*1,557.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3190	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,924.94	354.52
		For Class 52 Rating, Deduct	*-592.66*	
		For Class 54 Rating, Add	*814.62*	
		For Class 55 Rating, Add	*1,214.37*	
		For Class 56 Rating, Add	*1,608.74*	
40 05 19 00-3191	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,102.90	357.52
		For Class 52 Rating, Deduct	*-611.73*	
		For Class 54 Rating, Add	*840.68*	
		For Class 55 Rating, Add	*1,253.15*	
		For Class 56 Rating, Add	*1,660.06*	
40 05 19 00-3192	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,280.86	360.52
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*866.75*	
		For Class 55 Rating, Add	*1,291.93*	
		For Class 56 Rating, Add	*1,711.38*	
40 05 19 00-3193	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,458.82	363.52
		For Class 52 Rating, Deduct	*-649.88*	
		For Class 54 Rating, Add	*892.81*	
		For Class 55 Rating, Add	*1,330.71*	
		For Class 56 Rating, Add	*1,762.70*	
40 05 19 00-3194	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,636.78	366.53
		For Class 52 Rating, Deduct	*-668.96*	
		For Class 54 Rating, Add	*918.88*	
		For Class 55 Rating, Add	*1,369.49*	
		For Class 56 Rating, Add	*1,814.02*	
40 05 19 00-3195	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,814.74	369.53
		For Class 52 Rating, Deduct	*-688.03*	
		For Class 54 Rating, Add	*944.95*	
		For Class 55 Rating, Add	*1,408.27*	
		For Class 56 Rating, Add	*1,865.34*	
40 05 19 00-3196	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,992.70	372.54
		For Class 52 Rating, Deduct	*-707.11*	
		For Class 54 Rating, Add	*971.01*	
		For Class 55 Rating, Add	*1,447.05*	
		For Class 56 Rating, Add	*1,916.65*	
40 05 19 00-3197	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,170.66	375.54
		For Class 52 Rating, Deduct	*-726.18*	
		For Class 54 Rating, Add	*997.08*	
		For Class 55 Rating, Add	*1,485.83*	
		For Class 56 Rating, Add	*1,967.97*	
40 05 19 00-3198	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,348.62	378.55
		For Class 52 Rating, Deduct	*-745.26*	
		For Class 54 Rating, Add	*1,023.14*	
		For Class 55 Rating, Add	*1,524.61*	
		For Class 56 Rating, Add	*2,019.29*	
40 05 19 00-3199	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,526.58	381.54
		For Class 52 Rating, Deduct	*-764.33*	
		For Class 54 Rating, Add	*1,049.21*	
		For Class 55 Rating, Add	*1,563.39*	
		For Class 56 Rating, Add	*2,070.61*	
40 05 19 00-3200	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,704.54	384.55
		For Class 52 Rating, Deduct	*-783.41*	
		For Class 54 Rating, Add	*1,075.27*	
		For Class 55 Rating, Add	*1,602.16*	
		For Class 56 Rating, Add	*2,121.93*	
40 05 19 00-3201	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,882.50	387.55
		For Class 52 Rating, Deduct	*-802.48*	
		For Class 54 Rating, Add	*1,101.34*	
		For Class 55 Rating, Add	*1,640.94*	
		For Class 56 Rating, Add	*2,173.25*	
40 05 19 00-3202	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,060.46	390.57
		For Class 52 Rating, Deduct	*-821.56*	
		For Class 54 Rating, Add	*1,127.41*	
		For Class 55 Rating, Add	*1,679.72*	
		For Class 56 Rating, Add	*2,224.57*	

40 05 19 00-3203 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,638.50	336.49
		For Class 52 Rating, Deduct	*-124.15*	
		For Class 54 Rating, Add	*175.42*	
		For Class 55 Rating, Add	*263.93*	
		For Class 56 Rating, Add	*351.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,868.18	339.49
		For Class 52 Rating, Deduct	*-148.92*	
		For Class 54 Rating, Add	*209.24*	
		For Class 55 Rating, Add	*314.24*	
		For Class 56 Rating, Add	*417.89*	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,097.85	342.49
		For Class 52 Rating, Deduct	*-173.68*	
		For Class 54 Rating, Add	*243.07*	
		For Class 55 Rating, Add	*364.55*	
		For Class 56 Rating, Add	*484.46*	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,327.53	345.50
		For Class 52 Rating, Deduct	*-198.45*	
		For Class 54 Rating, Add	*276.89*	
		For Class 55 Rating, Add	*414.87*	
		For Class 56 Rating, Add	*551.04*	
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,557.20	348.50
		For Class 52 Rating, Deduct	*-223.21*	
		For Class 54 Rating, Add	*310.71*	
		For Class 55 Rating, Add	*465.18*	
		For Class 56 Rating, Add	*617.61*	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,786.88	351.50
		For Class 52 Rating, Deduct	*-247.97*	
		For Class 54 Rating, Add	*344.54*	
		For Class 55 Rating, Add	*515.49*	
		For Class 56 Rating, Add	*684.19*	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,016.56	354.52
		For Class 52 Rating, Deduct	*-272.74*	
		For Class 54 Rating, Add	*378.36*	
		For Class 55 Rating, Add	*565.80*	
		For Class 56 Rating, Add	*750.77*	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,246.24	357.52
		For Class 52 Rating, Deduct	*-297.50*	
		For Class 54 Rating, Add	*412.18*	
		For Class 55 Rating, Add	*616.12*	
		For Class 56 Rating, Add	*817.34*	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,475.92	360.52
		For Class 52 Rating, Deduct	*-322.26*	
		For Class 54 Rating, Add	*446.01*	
		For Class 55 Rating, Add	*666.43*	
		For Class 56 Rating, Add	*883.92*	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,705.59	363.52
		For Class 52 Rating, Deduct	*-347.03*	
		For Class 54 Rating, Add	*479.83*	
		For Class 55 Rating, Add	*716.74*	
		For Class 56 Rating, Add	*950.49*	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,935.27	366.53
		For Class 52 Rating, Deduct	*-371.79*	
		For Class 54 Rating, Add	*513.65*	
		For Class 55 Rating, Add	*767.05*	
		For Class 56 Rating, Add	*1,017.07*	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,164.94	369.53
		For Class 52 Rating, Deduct	*-396.56*	
		For Class 54 Rating, Add	*547.48*	
		For Class 55 Rating, Add	*817.36*	
		For Class 56 Rating, Add	*1,083.65*	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,394.63	372.54
		For Class 52 Rating, Deduct	*-421.32*	
		For Class 54 Rating, Add	*581.30*	
		For Class 55 Rating, Add	*867.68*	
		For Class 56 Rating, Add	*1,150.22*	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,624.31	375.54
		For Class 52 Rating, Deduct	*-446.08*	
		For Class 54 Rating, Add	*615.12*	
		For Class 55 Rating, Add	*917.99*	
		For Class 56 Rating, Add	*1,216.80*	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,853.98	378.55
		For Class 52 Rating, Deduct	*-470.85*	
		For Class 54 Rating, Add	*648.95*	
		For Class 55 Rating, Add	*968.30*	
		For Class 56 Rating, Add	*1,283.37*	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,083.66	381.54
		For Class 52 Rating, Deduct	*-495.61*	
		For Class 54 Rating, Add	*682.77*	
		For Class 55 Rating, Add	*1,018.61*	
		For Class 56 Rating, Add	*1,349.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,313.34	384.55
		For Class 52 Rating, Deduct	*-520.37*	
		For Class 54 Rating, Add	*716.59*	
		For Class 55 Rating, Add	*1,068.93*	
		For Class 56 Rating, Add	*1,416.53*	
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,543.02	387.55
		For Class 52 Rating, Deduct	*-545.14*	
		For Class 54 Rating, Add	*750.42*	
		For Class 55 Rating, Add	*1,119.24*	
		For Class 56 Rating, Add	*1,483.10*	
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,772.69	390.57
		For Class 52 Rating, Deduct	*-569.90*	
		For Class 54 Rating, Add	*784.24*	
		For Class 55 Rating, Add	*1,169.55*	
		For Class 56 Rating, Add	*1,549.68*	
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,002.37	393.56
		For Class 52 Rating, Deduct	*-594.67*	
		For Class 54 Rating, Add	*818.06*	
		For Class 55 Rating, Add	*1,219.86*	
		For Class 56 Rating, Add	*1,616.25*	
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,232.06	396.57
		For Class 52 Rating, Deduct	*-619.43*	
		For Class 54 Rating, Add	*851.89*	
		For Class 55 Rating, Add	*1,270.18*	
		For Class 56 Rating, Add	*1,682.83*	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,461.73	399.58
		For Class 52 Rating, Deduct	*-644.19*	
		For Class 54 Rating, Add	*885.71*	
		For Class 55 Rating, Add	*1,320.49*	
		For Class 56 Rating, Add	*1,749.41*	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,691.41	402.57
		For Class 52 Rating, Deduct	*-668.96*	
		For Class 54 Rating, Add	*919.54*	
		For Class 55 Rating, Add	*1,370.80*	
		For Class 56 Rating, Add	*1,815.98*	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,921.08	405.58
		For Class 52 Rating, Deduct	*-693.72*	
		For Class 54 Rating, Add	*953.36*	
		For Class 55 Rating, Add	*1,421.11*	
		For Class 56 Rating, Add	*1,882.56*	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,150.77	408.59
		For Class 52 Rating, Deduct	*-718.49*	
		For Class 54 Rating, Add	*987.18*	
		For Class 55 Rating, Add	*1,471.42*	
		For Class 56 Rating, Add	*1,949.14*	
40 05 19 00-3229	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,380.45	411.60
		For Class 52 Rating, Deduct	*-743.25*	
		For Class 54 Rating, Add	*1,021.01*	
		For Class 55 Rating, Add	*1,521.74*	
		For Class 56 Rating, Add	*2,015.71*	
40 05 19 00-3230	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,610.12	414.59
		For Class 52 Rating, Deduct	*-768.01*	
		For Class 54 Rating, Add	*1,054.83*	
		For Class 55 Rating, Add	*1,572.05*	
		For Class 56 Rating, Add	*2,082.29*	
40 05 19 00-3231	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,839.80	417.60
		For Class 52 Rating, Deduct	*-792.78*	
		For Class 54 Rating, Add	*1,088.65*	
		For Class 55 Rating, Add	*1,622.36*	
		For Class 56 Rating, Add	*2,148.86*	
40 05 19 00-3232	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,069.47	420.60
		For Class 52 Rating, Deduct	*-817.54*	
		For Class 54 Rating, Add	*1,122.48*	
		For Class 55 Rating, Add	*1,672.67*	
		For Class 56 Rating, Add	*2,215.44*	
40 05 19 00-3233	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,299.15	423.62
		For Class 52 Rating, Deduct	*-842.31*	
		For Class 54 Rating, Add	*1,156.30*	
		For Class 55 Rating, Add	*1,722.99*	
		For Class 56 Rating, Add	*2,282.02*	
40 05 19 00-3234	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,528.82	426.61
		For Class 52 Rating, Deduct	*-867.07*	
		For Class 54 Rating, Add	*1,190.12*	
		For Class 55 Rating, Add	*1,773.30*	
		For Class 56 Rating, Add	*2,348.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3235	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,758.50	429.62
		For Class 52 Rating, Deduct	*-891.83*	
		For Class 54 Rating, Add	*1,223.95*	
		For Class 55 Rating, Add	*1,823.61*	
		For Class 56 Rating, Add	*2,415.17*	
40 05 19 00-3236	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,988.19	432.63
		For Class 52 Rating, Deduct	*-916.60*	
		For Class 54 Rating, Add	*1,257.77*	
		For Class 55 Rating, Add	*1,873.92*	
		For Class 56 Rating, Add	*2,481.74*	
40 05 19 00-3237	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,217.86	435.62
		For Class 52 Rating, Deduct	*-941.36*	
		For Class 54 Rating, Add	*1,291.59*	
		For Class 55 Rating, Add	*1,924.23*	
		For Class 56 Rating, Add	*2,548.32*	
40 05 19 00-3238	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,447.54	438.63
		For Class 52 Rating, Deduct	*-966.12*	
		For Class 54 Rating, Add	*1,325.42*	
		For Class 55 Rating, Add	*1,974.55*	
		For Class 56 Rating, Add	*2,614.90*	
40 05 19 00-3239	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,677.21	441.64
		For Class 52 Rating, Deduct	*-990.89*	
		For Class 54 Rating, Add	*1,359.24*	
		For Class 55 Rating, Add	*2,024.86*	
		For Class 56 Rating, Add	*2,681.47*	
40 05 19 00-3240	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,906.89	444.65
		For Class 52 Rating, Deduct	*-1,015.65*	
		For Class 54 Rating, Add	*1,393.06*	
		For Class 55 Rating, Add	*2,075.17*	
		For Class 56 Rating, Add	*2,748.05*	
40 05 19 00-3241	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,136.57	447.64
		For Class 52 Rating, Deduct	*-1,040.42*	
		For Class 54 Rating, Add	*1,426.89*	
		For Class 55 Rating, Add	*2,125.48*	
		For Class 56 Rating, Add	*2,814.62*	
40 05 19 00-3242	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,366.25	450.65
		For Class 52 Rating, Deduct	*-1,065.18*	
		For Class 54 Rating, Add	*1,460.71*	
		For Class 55 Rating, Add	*2,175.80*	
		For Class 56 Rating, Add	*2,881.20*	

40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,127.98	420.60
		For Class 52 Rating, Deduct	*-163.98*	
		For Class 54 Rating, Add	*231.25*	
		For Class 55 Rating, Add	*347.72*	
		For Class 56 Rating, Add	*462.70*	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,412.41	423.62
		For Class 52 Rating, Deduct	*-194.76*	
		For Class 54 Rating, Add	*273.29*	
		For Class 55 Rating, Add	*410.24*	
		For Class 56 Rating, Add	*545.43*	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,696.85	426.61
		For Class 52 Rating, Deduct	*-225.55*	
		For Class 54 Rating, Add	*315.33*	
		For Class 55 Rating, Add	*472.77*	
		For Class 56 Rating, Add	*628.16*	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,981.29	429.62
		For Class 52 Rating, Deduct	*-256.34*	
		For Class 54 Rating, Add	*357.37*	
		For Class 55 Rating, Add	*535.29*	
		For Class 56 Rating, Add	*710.89*	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,265.73	432.63
		For Class 52 Rating, Deduct	*-287.13*	
		For Class 54 Rating, Add	*399.40*	
		For Class 55 Rating, Add	*597.82*	
		For Class 56 Rating, Add	*793.62*	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,550.17	435.62
		For Class 52 Rating, Deduct	*-317.91*	
		For Class 54 Rating, Add	*441.44*	
		For Class 55 Rating, Add	*660.34*	
		For Class 56 Rating, Add	*876.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,834.60	438.63
		For Class 52 Rating, Deduct	*-348.70*	
		For Class 54 Rating, Add	*483.48*	
		For Class 55 Rating, Add	*722.86*	
		For Class 56 Rating, Add	*959.08*	
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,119.04	441.64
		For Class 52 Rating, Deduct	*-379.49*	
		For Class 54 Rating, Add	*525.51*	
		For Class 55 Rating, Add	*785.39*	
		For Class 56 Rating, Add	*1,041.81*	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,403.48	444.65
		For Class 52 Rating, Deduct	*-410.28*	
		For Class 54 Rating, Add	*567.55*	
		For Class 55 Rating, Add	*847.91*	
		For Class 56 Rating, Add	*1,124.54*	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,687.92	447.64
		For Class 52 Rating, Deduct	*-441.06*	
		For Class 54 Rating, Add	*609.59*	
		For Class 55 Rating, Add	*910.43*	
		For Class 56 Rating, Add	*1,207.27*	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,972.36	450.65
		For Class 52 Rating, Deduct	*-471.85*	
		For Class 54 Rating, Add	*651.63*	
		For Class 55 Rating, Add	*972.96*	
		For Class 56 Rating, Add	*1,290.00*	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,256.79	453.65
		For Class 52 Rating, Deduct	*-502.64*	
		For Class 54 Rating, Add	*693.66*	
		For Class 55 Rating, Add	*1,035.48*	
		For Class 56 Rating, Add	*1,372.73*	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,541.23	456.65
		For Class 52 Rating, Deduct	*-533.43*	
		For Class 54 Rating, Add	*735.70*	
		For Class 55 Rating, Add	*1,098.01*	
		For Class 56 Rating, Add	*1,455.46*	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,825.68	459.66
		For Class 52 Rating, Deduct	*-564.21*	
		For Class 54 Rating, Add	*777.74*	
		For Class 55 Rating, Add	*1,160.53*	
		For Class 56 Rating, Add	*1,538.19*	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,110.11	462.67
		For Class 52 Rating, Deduct	*-595.00*	
		For Class 54 Rating, Add	*819.78*	
		For Class 55 Rating, Add	*1,223.05*	
		For Class 56 Rating, Add	*1,620.92*	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,394.55	465.67
		For Class 52 Rating, Deduct	*-625.79*	
		For Class 54 Rating, Add	*861.82*	
		For Class 55 Rating, Add	*1,285.58*	
		For Class 56 Rating, Add	*1,703.65*	
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,678.98	468.67
		For Class 52 Rating, Deduct	*-656.58*	
		For Class 54 Rating, Add	*903.85*	
		For Class 55 Rating, Add	*1,348.10*	
		For Class 56 Rating, Add	*1,786.38*	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,963.43	471.67
		For Class 52 Rating, Deduct	*-687.36*	
		For Class 54 Rating, Add	*945.89*	
		For Class 55 Rating, Add	*1,410.63*	
		For Class 56 Rating, Add	*1,869.11*	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,247.87	474.69
		For Class 52 Rating, Deduct	*-718.15*	
		For Class 54 Rating, Add	*987.93*	
		For Class 55 Rating, Add	*1,473.15*	
		For Class 56 Rating, Add	*1,951.84*	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,532.30	477.69
		For Class 52 Rating, Deduct	*-748.94*	
		For Class 54 Rating, Add	*1,029.96*	
		For Class 55 Rating, Add	*1,535.67*	
		For Class 56 Rating, Add	*2,034.57*	
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,816.74	480.69
		For Class 52 Rating, Deduct	*-779.73*	
		For Class 54 Rating, Add	*1,072.00*	
		For Class 55 Rating, Add	*1,598.20*	
		For Class 56 Rating, Add	*2,117.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,101.19	483.70
		For Class 52 Rating, Deduct	*-810.51*	
		For Class 54 Rating, Add	*1,114.04*	
		For Class 55 Rating, Add	*1,660.72*	
		For Class 56 Rating, Add	*2,200.04*	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,385.62	486.70
		For Class 52 Rating, Deduct	*-841.30*	
		For Class 54 Rating, Add	*1,156.08*	
		For Class 55 Rating, Add	*1,723.24*	
		For Class 56 Rating, Add	*2,282.76*	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,670.06	489.70
		For Class 52 Rating, Deduct	*-872.09*	
		For Class 54 Rating, Add	*1,198.12*	
		For Class 55 Rating, Add	*1,785.77*	
		For Class 56 Rating, Add	*2,365.49*	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,954.49	492.71
		For Class 52 Rating, Deduct	*-902.88*	
		For Class 54 Rating, Add	*1,240.15*	
		For Class 55 Rating, Add	*1,848.29*	
		For Class 56 Rating, Add	*2,448.22*	
40 05 19 00-3269	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,238.93	495.72
		For Class 52 Rating, Deduct	*-933.66*	
		For Class 54 Rating, Add	*1,282.19*	
		For Class 55 Rating, Add	*1,910.82*	
		For Class 56 Rating, Add	*2,530.95*	
40 05 19 00-3270	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,523.37	498.72
		For Class 52 Rating, Deduct	*-964.45*	
		For Class 54 Rating, Add	*1,324.23*	
		For Class 55 Rating, Add	*1,973.34*	
		For Class 56 Rating, Add	*2,613.69*	
40 05 19 00-3271	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,807.80	501.72
		For Class 52 Rating, Deduct	*-995.24*	
		For Class 54 Rating, Add	*1,366.27*	
		For Class 55 Rating, Add	*2,035.86*	
		For Class 56 Rating, Add	*2,696.41*	
40 05 19 00-3272	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,092.24	504.72
		For Class 52 Rating, Deduct	*-1,026.03*	
		For Class 54 Rating, Add	*1,408.30*	
		For Class 55 Rating, Add	*2,098.39*	
		For Class 56 Rating, Add	*2,779.15*	
40 05 19 00-3273	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,376.68	507.73
		For Class 52 Rating, Deduct	*-1,056.81*	
		For Class 54 Rating, Add	*1,450.34*	
		For Class 55 Rating, Add	*2,160.91*	
		For Class 56 Rating, Add	*2,861.87*	
40 05 19 00-3274	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,661.12	510.72
		For Class 52 Rating, Deduct	*-1,087.60*	
		For Class 54 Rating, Add	*1,492.38*	
		For Class 55 Rating, Add	*2,223.44*	
		For Class 56 Rating, Add	*2,944.61*	
40 05 19 00-3275	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,945.56	513.74
		For Class 52 Rating, Deduct	*-1,118.39*	
		For Class 54 Rating, Add	*1,534.42*	
		For Class 55 Rating, Add	*2,285.96*	
		For Class 56 Rating, Add	*3,027.34*	
40 05 19 00-3276	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,229.99	516.75
		For Class 52 Rating, Deduct	*-1,149.18*	
		For Class 54 Rating, Add	*1,576.45*	
		For Class 55 Rating, Add	*2,348.48*	
		For Class 56 Rating, Add	*3,110.07*	
40 05 19 00-3277	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,514.43	519.75
		For Class 52 Rating, Deduct	*-1,179.96*	
		For Class 54 Rating, Add	*1,618.49*	
		For Class 55 Rating, Add	*2,411.01*	
		For Class 56 Rating, Add	*3,192.80*	
40 05 19 00-3278	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,798.87	522.75
		For Class 52 Rating, Deduct	*-1,210.75*	
		For Class 54 Rating, Add	*1,660.53*	
		For Class 55 Rating, Add	*2,473.53*	
		For Class 56 Rating, Add	*3,275.53*	
40 05 19 00-3279	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,083.31	525.75
		For Class 52 Rating, Deduct	*-1,241.54*	
		For Class 54 Rating, Add	*1,702.57*	
		For Class 55 Rating, Add	*2,536.05*	
		For Class 56 Rating, Add	*3,358.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3280	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,367.75	528.77
		For Class 52 Rating, Deduct	*-1,272.33*	
		For Class 54 Rating, Add	*1,744.60*	
		For Class 55 Rating, Add	*2,598.58*	
		For Class 56 Rating, Add	*3,440.99*	
40 05 19 00-3281	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,652.18	531.76
		For Class 52 Rating, Deduct	*-1,303.11*	
		For Class 54 Rating, Add	*1,786.64*	
		For Class 55 Rating, Add	*2,661.10*	
		For Class 56 Rating, Add	*3,523.72*	
40 05 19 00-3282	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,936.63	534.77
		For Class 52 Rating, Deduct	*-1,333.90*	
		For Class 54 Rating, Add	*1,828.68*	
		For Class 55 Rating, Add	*2,723.63*	
		For Class 56 Rating, Add	*3,606.45*	

40 05 19 00-3283 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,866.92	504.72
		For Class 52 Rating, Deduct	*-231.24*	
		For Class 54 Rating, Add	*324.51*	
		For Class 55 Rating, Add	*487.14*	
		For Class 56 Rating, Add	*647.68*	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,212.21	507.73
		For Class 52 Rating, Deduct	*-268.72*	
		For Class 54 Rating, Add	*375.67*	
		For Class 55 Rating, Add	*563.23*	
		For Class 56 Rating, Add	*748.36*	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,557.49	510.72
		For Class 52 Rating, Deduct	*-306.20*	
		For Class 54 Rating, Add	*426.83*	
		For Class 55 Rating, Add	*639.33*	
		For Class 56 Rating, Add	*849.03*	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,902.77	513.74
		For Class 52 Rating, Deduct	*-343.68*	
		For Class 54 Rating, Add	*478.00*	
		For Class 55 Rating, Add	*715.42*	
		For Class 56 Rating, Add	*949.71*	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,248.05	516.75
		For Class 52 Rating, Deduct	*-381.16*	
		For Class 54 Rating, Add	*529.16*	
		For Class 55 Rating, Add	*791.51*	
		For Class 56 Rating, Add	*1,050.39*	
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,593.33	519.75
		For Class 52 Rating, Deduct	*-418.64*	
		For Class 54 Rating, Add	*580.33*	
		For Class 55 Rating, Add	*867.60*	
		For Class 56 Rating, Add	*1,151.07*	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,938.62	522.75
		For Class 52 Rating, Deduct	*-456.12*	
		For Class 54 Rating, Add	*631.49*	
		For Class 55 Rating, Add	*943.69*	
		For Class 56 Rating, Add	*1,251.75*	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,283.90	525.75
		For Class 52 Rating, Deduct	*-493.60*	
		For Class 54 Rating, Add	*682.65*	
		For Class 55 Rating, Add	*1,019.79*	
		For Class 56 Rating, Add	*1,352.43*	
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,629.18	528.77
		For Class 52 Rating, Deduct	*-531.08*	
		For Class 54 Rating, Add	*733.82*	
		For Class 55 Rating, Add	*1,095.88*	
		For Class 56 Rating, Add	*1,453.11*	
40 05 19 00-3293	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,974.47	531.76
		For Class 52 Rating, Deduct	*-568.56*	
		For Class 54 Rating, Add	*784.98*	
		For Class 55 Rating, Add	*1,171.97*	
		For Class 56 Rating, Add	*1,553.79*	
40 05 19 00-3294	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,319.76	534.77
		For Class 52 Rating, Deduct	*-606.05*	
		For Class 54 Rating, Add	*836.15*	
		For Class 55 Rating, Add	*1,248.06*	
		For Class 56 Rating, Add	*1,654.47*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,665.04	537.77
		For Class 52 Rating, Deduct	*-643.53*	
		For Class 54 Rating, Add	*887.31*	
		For Class 55 Rating, Add	*1,324.16*	
		For Class 56 Rating, Add	*1,755.15*	
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,010.32	540.78
		For Class 52 Rating, Deduct	*-681.01*	
		For Class 54 Rating, Add	*938.48*	
		For Class 55 Rating, Add	*1,400.25*	
		For Class 56 Rating, Add	*1,855.83*	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,355.60	543.77
		For Class 52 Rating, Deduct	*-718.49*	
		For Class 54 Rating, Add	*989.64*	
		For Class 55 Rating, Add	*1,476.34*	
		For Class 56 Rating, Add	*1,956.51*	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,700.89	546.79
		For Class 52 Rating, Deduct	*-755.97*	
		For Class 54 Rating, Add	*1,040.80*	
		For Class 55 Rating, Add	*1,552.43*	
		For Class 56 Rating, Add	*2,057.19*	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,046.17	549.80
		For Class 52 Rating, Deduct	*-793.45*	
		For Class 54 Rating, Add	*1,091.97*	
		For Class 55 Rating, Add	*1,628.52*	
		For Class 56 Rating, Add	*2,157.87*	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,391.45	552.79
		For Class 52 Rating, Deduct	*-830.93*	
		For Class 54 Rating, Add	*1,143.13*	
		For Class 55 Rating, Add	*1,704.62*	
		For Class 56 Rating, Add	*2,258.55*	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,736.73	555.80
		For Class 52 Rating, Deduct	*-868.41*	
		For Class 54 Rating, Add	*1,194.30*	
		For Class 55 Rating, Add	*1,780.71*	
		For Class 56 Rating, Add	*2,359.23*	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,082.02	558.80
		For Class 52 Rating, Deduct	*-905.89*	
		For Class 54 Rating, Add	*1,245.46*	
		For Class 55 Rating, Add	*1,856.80*	
		For Class 56 Rating, Add	*2,459.91*	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,427.30	561.82
		For Class 52 Rating, Deduct	*-943.37*	
		For Class 54 Rating, Add	*1,296.63*	
		For Class 55 Rating, Add	*1,932.89*	
		For Class 56 Rating, Add	*2,560.58*	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,772.59	564.81
		For Class 52 Rating, Deduct	*-980.85*	
		For Class 54 Rating, Add	*1,347.79*	
		For Class 55 Rating, Add	*2,008.99*	
		For Class 56 Rating, Add	*2,661.27*	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,117.87	567.82
		For Class 52 Rating, Deduct	*-1,018.33*	
		For Class 54 Rating, Add	*1,398.95*	
		For Class 55 Rating, Add	*2,085.08*	
		For Class 56 Rating, Add	*2,761.95*	
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,463.15	570.82
		For Class 52 Rating, Deduct	*-1,055.81*	
		For Class 54 Rating, Add	*1,450.12*	
		For Class 55 Rating, Add	*2,161.17*	
		For Class 56 Rating, Add	*2,862.63*	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,808.43	573.83
		For Class 52 Rating, Deduct	*-1,093.29*	
		For Class 54 Rating, Add	*1,501.28*	
		For Class 55 Rating, Add	*2,237.26*	
		For Class 56 Rating, Add	*2,963.30*	
40 05 19 00-3308	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,153.71	576.82
		For Class 52 Rating, Deduct	*-1,130.77*	
		For Class 54 Rating, Add	*1,552.45*	
		For Class 55 Rating, Add	*2,313.36*	
		For Class 56 Rating, Add	*3,063.98*	
40 05 19 00-3309	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,498.99	579.84
		For Class 52 Rating, Deduct	*-1,168.25*	
		For Class 54 Rating, Add	*1,603.61*	
		For Class 55 Rating, Add	*2,389.45*	
		For Class 56 Rating, Add	*3,164.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3310	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,844.27	582.84
		For Class 52 Rating, Deduct	*-1,205.73*	
		For Class 54 Rating, Add	*1,654.78*	
		For Class 55 Rating, Add	*2,465.54*	
		For Class 56 Rating, Add	*3,265.34*	
40 05 19 00-3311	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,189.56	585.84
		For Class 52 Rating, Deduct	*-1,243.21*	
		For Class 54 Rating, Add	*1,705.94*	
		For Class 55 Rating, Add	*2,541.63*	
		For Class 56 Rating, Add	*3,366.02*	
40 05 19 00-3312	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,534.84	588.84
		For Class 52 Rating, Deduct	*-1,280.69*	
		For Class 54 Rating, Add	*1,757.10*	
		For Class 55 Rating, Add	*2,617.72*	
		For Class 56 Rating, Add	*3,466.70*	
40 05 19 00-3313	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,880.12	591.85
		For Class 52 Rating, Deduct	*-1,318.17*	
		For Class 54 Rating, Add	*1,808.27*	
		For Class 55 Rating, Add	*2,693.82*	
		For Class 56 Rating, Add	*3,567.38*	
40 05 19 00-3314	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,225.40	594.87
		For Class 52 Rating, Deduct	*-1,355.65*	
		For Class 54 Rating, Add	*1,859.43*	
		For Class 55 Rating, Add	*2,769.91*	
		For Class 56 Rating, Add	*3,668.06*	
40 05 19 00-3315	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,570.70	597.86
		For Class 52 Rating, Deduct	*-1,393.13*	
		For Class 54 Rating, Add	*1,910.60*	
		For Class 55 Rating, Add	*2,846.00*	
		For Class 56 Rating, Add	*3,768.74*	
40 05 19 00-3316	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,915.98	600.87
		For Class 52 Rating, Deduct	*-1,430.61*	
		For Class 54 Rating, Add	*1,961.76*	
		For Class 55 Rating, Add	*2,922.09*	
		For Class 56 Rating, Add	*3,869.42*	
40 05 19 00-3317	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,261.26	603.87
		For Class 52 Rating, Deduct	*-1,468.09*	
		For Class 54 Rating, Add	*2,012.93*	
		For Class 55 Rating, Add	*2,998.19*	
		For Class 56 Rating, Add	*3,970.10*	
40 05 19 00-3318	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,606.54	606.87
		For Class 52 Rating, Deduct	*-1,505.57*	
		For Class 54 Rating, Add	*2,064.09*	
		For Class 55 Rating, Add	*3,074.28*	
		For Class 56 Rating, Add	*4,070.78*	
40 05 19 00-3319	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,951.83	609.87
		For Class 52 Rating, Deduct	*-1,543.05*	
		For Class 54 Rating, Add	*2,115.25*	
		For Class 55 Rating, Add	*3,150.37*	
		For Class 56 Rating, Add	*4,171.46*	
40 05 19 00-3320	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,297.11	612.89
		For Class 52 Rating, Deduct	*-1,580.54*	
		For Class 54 Rating, Add	*2,166.42*	
		For Class 55 Rating, Add	*3,226.46*	
		For Class 56 Rating, Add	*4,272.14*	
40 05 19 00-3321	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,642.39	615.89
		For Class 52 Rating, Deduct	*-1,618.02*	
		For Class 54 Rating, Add	*2,217.58*	
		For Class 55 Rating, Add	*3,302.55*	
		For Class 56 Rating, Add	*4,372.82*	

40 05 19 00-3322 16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,353.41	576.82
		For Class 52 Rating, Deduct	*-272.74*	
		For Class 54 Rating, Add	*382.40*	
		For Class 55 Rating, Add	*573.89*	
		For Class 56 Rating, Add	*762.90*	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,753.45	579.84
		For Class 52 Rating, Deduct	*-316.24*	
		For Class 54 Rating, Add	*441.78*	
		For Class 55 Rating, Add	*662.19*	
		For Class 56 Rating, Add	*879.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,153.49	582.84
		For Class 52 Rating, Deduct	*-359.75*	
		For Class 54 Rating, Add	*501.16*	
		For Class 55 Rating, Add	*750.50*	
		For Class 56 Rating, Add	*996.56*	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,553.54	585.84
		For Class 52 Rating, Deduct	*-403.25*	
		For Class 54 Rating, Add	*560.54*	
		For Class 55 Rating, Add	*838.80*	
		For Class 56 Rating, Add	*1,113.40*	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,953.58	588.84
		For Class 52 Rating, Deduct	*-446.75*	
		For Class 54 Rating, Add	*619.91*	
		For Class 55 Rating, Add	*927.10*	
		For Class 56 Rating, Add	*1,230.23*	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,353.62	591.85
		For Class 52 Rating, Deduct	*-490.26*	
		For Class 54 Rating, Add	*679.29*	
		For Class 55 Rating, Add	*1,015.41*	
		For Class 56 Rating, Add	*1,347.06*	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,753.66	594.87
		For Class 52 Rating, Deduct	*-533.76*	
		For Class 54 Rating, Add	*738.67*	
		For Class 55 Rating, Add	*1,103.71*	
		For Class 56 Rating, Add	*1,463.90*	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,153.71	597.86
		For Class 52 Rating, Deduct	*-577.26*	
		For Class 54 Rating, Add	*798.05*	
		For Class 55 Rating, Add	*1,192.01*	
		For Class 56 Rating, Add	*1,580.73*	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,553.76	600.87
		For Class 52 Rating, Deduct	*-620.77*	
		For Class 54 Rating, Add	*857.43*	
		For Class 55 Rating, Add	*1,280.32*	
		For Class 56 Rating, Add	*1,697.57*	
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,953.80	603.87
		For Class 52 Rating, Deduct	*-664.27*	
		For Class 54 Rating, Add	*916.81*	
		For Class 55 Rating, Add	*1,368.62*	
		For Class 56 Rating, Add	*1,814.40*	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,353.84	606.87
		For Class 52 Rating, Deduct	*-707.78*	
		For Class 54 Rating, Add	*976.19*	
		For Class 55 Rating, Add	*1,456.93*	
		For Class 56 Rating, Add	*1,931.23*	
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,753.89	609.87
		For Class 52 Rating, Deduct	*-751.28*	
		For Class 54 Rating, Add	*1,035.56*	
		For Class 55 Rating, Add	*1,545.23*	
		For Class 56 Rating, Add	*2,048.07*	
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,153.93	612.89
		For Class 52 Rating, Deduct	*-794.79*	
		For Class 54 Rating, Add	*1,094.94*	
		For Class 55 Rating, Add	*1,633.53*	
		For Class 56 Rating, Add	*2,164.90*	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,553.97	615.89
		For Class 52 Rating, Deduct	*-838.29*	
		For Class 54 Rating, Add	*1,154.32*	
		For Class 55 Rating, Add	*1,721.84*	
		For Class 56 Rating, Add	*2,281.73*	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,954.01	618.89
		For Class 52 Rating, Deduct	*-881.79*	
		For Class 54 Rating, Add	*1,213.70*	
		For Class 55 Rating, Add	*1,810.14*	
		For Class 56 Rating, Add	*2,398.57*	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,354.06	621.89
		For Class 52 Rating, Deduct	*-925.30*	
		For Class 54 Rating, Add	*1,273.08*	
		For Class 55 Rating, Add	*1,898.44*	
		For Class 56 Rating, Add	*2,515.40*	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,754.10	624.90
		For Class 52 Rating, Deduct	*-968.80*	
		For Class 54 Rating, Add	*1,332.45*	
		For Class 55 Rating, Add	*1,986.75*	
		For Class 56 Rating, Add	*2,632.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3340	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,154.15	627.89
		For Class 52 Rating, Deduct	*-1,012.31*	
		For Class 54 Rating, Add	*1,391.83*	
		For Class 55 Rating, Add	*2,075.05*	
		For Class 56 Rating, Add	*2,749.07*	
40 05 19 00-3341	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,554.19	630.90
		For Class 52 Rating, Deduct	*-1,055.81*	
		For Class 54 Rating, Add	*1,451.21*	
		For Class 55 Rating, Add	*2,163.36*	
		For Class 56 Rating, Add	*2,865.90*	
40 05 19 00-3342	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,954.24	633.92
		For Class 52 Rating, Deduct	*-1,099.31*	
		For Class 54 Rating, Add	*1,510.59*	
		For Class 55 Rating, Add	*2,251.66*	
		For Class 56 Rating, Add	*2,982.74*	
40 05 19 00-3343	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,354.28	636.92
		For Class 52 Rating, Deduct	*-1,142.82*	
		For Class 54 Rating, Add	*1,569.97*	
		For Class 55 Rating, Add	*2,339.96*	
		For Class 56 Rating, Add	*3,099.57*	
40 05 19 00-3344	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,754.32	639.92
		For Class 52 Rating, Deduct	*-1,186.32*	
		For Class 54 Rating, Add	*1,629.35*	
		For Class 55 Rating, Add	*2,428.27*	
		For Class 56 Rating, Add	*3,216.40*	
40 05 19 00-3345	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,154.36	642.92
		For Class 52 Rating, Deduct	*-1,229.83*	
		For Class 54 Rating, Add	*1,688.72*	
		For Class 55 Rating, Add	*2,516.57*	
		For Class 56 Rating, Add	*3,333.24*	
40 05 19 00-3346	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,554.41	645.93
		For Class 52 Rating, Deduct	*-1,273.33*	
		For Class 54 Rating, Add	*1,748.10*	
		For Class 55 Rating, Add	*2,604.87*	
		For Class 56 Rating, Add	*3,450.07*	
40 05 19 00-3347	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,954.44	648.94
		For Class 52 Rating, Deduct	*-1,316.83*	
		For Class 54 Rating, Add	*1,807.48*	
		For Class 55 Rating, Add	*2,693.18*	
		For Class 56 Rating, Add	*3,566.90*	
40 05 19 00-3348	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,354.49	651.94
		For Class 52 Rating, Deduct	*-1,360.34*	
		For Class 54 Rating, Add	*1,866.86*	
		For Class 55 Rating, Add	*2,781.48*	
		For Class 56 Rating, Add	*3,683.74*	
40 05 19 00-3349	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,754.53	654.94
		For Class 52 Rating, Deduct	*-1,403.84*	
		For Class 54 Rating, Add	*1,926.24*	
		For Class 55 Rating, Add	*2,869.79*	
		For Class 56 Rating, Add	*3,800.57*	
40 05 19 00-3350	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,154.57	657.95
		For Class 52 Rating, Deduct	*-1,447.35*	
		For Class 54 Rating, Add	*1,985.62*	
		For Class 55 Rating, Add	*2,958.09*	
		For Class 56 Rating, Add	*3,917.41*	
40 05 19 00-3351	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,554.62	660.94
		For Class 52 Rating, Deduct	*-1,490.85*	
		For Class 54 Rating, Add	*2,044.99*	
		For Class 55 Rating, Add	*3,046.39*	
		For Class 56 Rating, Add	*4,034.24*	
40 05 19 00-3352	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,954.66	663.95
		For Class 52 Rating, Deduct	*-1,534.35*	
		For Class 54 Rating, Add	*2,104.37*	
		For Class 55 Rating, Add	*3,134.70*	
		For Class 56 Rating, Add	*4,151.07*	
40 05 19 00-3353	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,354.70	666.97
		For Class 52 Rating, Deduct	*-1,577.86*	
		For Class 54 Rating, Add	*2,163.75*	
		For Class 55 Rating, Add	*3,223.00*	
		For Class 56 Rating, Add	*4,267.91*	
40 05 19 00-3354	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,754.74	669.97
		For Class 52 Rating, Deduct	*-1,621.36*	
		For Class 54 Rating, Add	*2,223.13*	
		For Class 55 Rating, Add	*3,311.30*	
		For Class 56 Rating, Add	*4,384.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3355	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,154.79	672.97
		For Class 52 Rating, Deduct	*-1,664.87*	
		For Class 54 Rating, Add	*2,282.51*	
		For Class 55 Rating, Add	*3,399.61*	
		For Class 56 Rating, Add	*4,501.57*	
40 05 19 00-3356	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,554.84	675.97
		For Class 52 Rating, Deduct	*-1,708.37*	
		For Class 54 Rating, Add	*2,341.89*	
		For Class 55 Rating, Add	*3,487.91*	
		For Class 56 Rating, Add	*4,618.41*	
40 05 19 00-3357	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,954.88	678.98
		For Class 52 Rating, Deduct	*-1,751.87*	
		For Class 54 Rating, Add	*2,401.26*	
		For Class 55 Rating, Add	*3,576.22*	
		For Class 56 Rating, Add	*4,735.24*	
40 05 19 00-3358	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,354.92	681.97
		For Class 52 Rating, Deduct	*-1,795.38*	
		For Class 54 Rating, Add	*2,460.64*	
		For Class 55 Rating, Add	*3,664.52*	
		For Class 56 Rating, Add	*4,852.08*	
40 05 19 00-3359	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,754.97	684.99
		For Class 52 Rating, Deduct	*-1,838.88*	
		For Class 54 Rating, Add	*2,520.02*	
		For Class 55 Rating, Add	*3,752.82*	
		For Class 56 Rating, Add	*4,968.91*	
40 05 19 00-3360	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,155.01	687.99
		For Class 52 Rating, Deduct	*-1,882.39*	
		For Class 54 Rating, Add	*2,579.40*	
		For Class 55 Rating, Add	*3,841.13*	
		For Class 56 Rating, Add	*5,085.74*	

40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,890.39	650.14
		For Class 52 Rating, Deduct	*-319.59*	
		For Class 54 Rating, Add	*447.62*	
		For Class 55 Rating, Add	*671.53*	
		For Class 56 Rating, Add	*892.54*	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,351.28	653.14
		For Class 52 Rating, Deduct	*-369.78*	
		For Class 54 Rating, Add	*516.13*	
		For Class 55 Rating, Add	*773.41*	
		For Class 56 Rating, Add	*1,027.32*	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,812.17	656.14
		For Class 52 Rating, Deduct	*-419.98*	
		For Class 54 Rating, Add	*584.63*	
		For Class 55 Rating, Add	*875.28*	
		For Class 56 Rating, Add	*1,162.10*	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,273.06	659.15
		For Class 52 Rating, Deduct	*-470.18*	
		For Class 54 Rating, Add	*653.14*	
		For Class 55 Rating, Add	*977.15*	
		For Class 56 Rating, Add	*1,296.89*	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,733.94	662.16
		For Class 52 Rating, Deduct	*-520.37*	
		For Class 54 Rating, Add	*721.64*	
		For Class 55 Rating, Add	*1,079.02*	
		For Class 56 Rating, Add	*1,431.67*	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,194.83	665.15
		For Class 52 Rating, Deduct	*-570.57*	
		For Class 54 Rating, Add	*790.15*	
		For Class 55 Rating, Add	*1,180.89*	
		For Class 56 Rating, Add	*1,566.45*	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,655.73	668.16
		For Class 52 Rating, Deduct	*-620.77*	
		For Class 54 Rating, Add	*858.65*	
		For Class 55 Rating, Add	*1,282.77*	
		For Class 56 Rating, Add	*1,701.24*	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,116.61	671.16
		For Class 52 Rating, Deduct	*-670.97*	
		For Class 54 Rating, Add	*927.16*	
		For Class 55 Rating, Add	*1,384.64*	
		For Class 56 Rating, Add	*1,836.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,577.50	674.18
		For Class 52 Rating, Deduct	*-721.16*	
		For Class 54 Rating, Add	*995.66*	
		For Class 55 Rating, Add	*1,486.51*	
		For Class 56 Rating, Add	*1,970.80*	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,038.38	677.17
		For Class 52 Rating, Deduct	*-771.36*	
		For Class 54 Rating, Add	*1,064.17*	
		For Class 55 Rating, Add	*1,588.38*	
		For Class 56 Rating, Add	*2,105.58*	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,499.27	680.18
		For Class 52 Rating, Deduct	*-821.56*	
		For Class 54 Rating, Add	*1,132.67*	
		For Class 55 Rating, Add	*1,690.25*	
		For Class 56 Rating, Add	*2,240.37*	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,960.17	683.19
		For Class 52 Rating, Deduct	*-871.75*	
		For Class 54 Rating, Add	*1,201.18*	
		For Class 55 Rating, Add	*1,792.13*	
		For Class 56 Rating, Add	*2,375.15*	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,421.05	686.18
		For Class 52 Rating, Deduct	*-921.95*	
		For Class 54 Rating, Add	*1,269.68*	
		For Class 55 Rating, Add	*1,894.00*	
		For Class 56 Rating, Add	*2,509.93*	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,881.94	689.19
		For Class 52 Rating, Deduct	*-972.15*	
		For Class 54 Rating, Add	*1,338.19*	
		For Class 55 Rating, Add	*1,995.87*	
		For Class 56 Rating, Add	*2,644.72*	
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,342.82	692.19
		For Class 52 Rating, Deduct	*-1,022.34*	
		For Class 54 Rating, Add	*1,406.69*	
		For Class 55 Rating, Add	*2,097.74*	
		For Class 56 Rating, Add	*2,779.50*	
40 05 19 00-3377	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,803.72	695.21
		For Class 52 Rating, Deduct	*-1,072.54*	
		For Class 54 Rating, Add	*1,475.20*	
		For Class 55 Rating, Add	*2,199.61*	
		For Class 56 Rating, Add	*2,914.28*	
40 05 19 00-3378	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,264.61	698.20
		For Class 52 Rating, Deduct	*-1,122.74*	
		For Class 54 Rating, Add	*1,543.70*	
		For Class 55 Rating, Add	*2,301.49*	
		For Class 56 Rating, Add	*3,049.07*	
40 05 19 00-3379	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,725.49	701.21
		For Class 52 Rating, Deduct	*-1,172.94*	
		For Class 54 Rating, Add	*1,612.21*	
		For Class 55 Rating, Add	*2,403.36*	
		For Class 56 Rating, Add	*3,183.85*	
40 05 19 00-3380	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,186.38	704.21
		For Class 52 Rating, Deduct	*-1,223.13*	
		For Class 54 Rating, Add	*1,680.71*	
		For Class 55 Rating, Add	*2,505.23*	
		For Class 56 Rating, Add	*3,318.63*	
40 05 19 00-3381	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,647.27	707.21
		For Class 52 Rating, Deduct	*-1,273.33*	
		For Class 54 Rating, Add	*1,749.22*	
		For Class 55 Rating, Add	*2,607.10*	
		For Class 56 Rating, Add	*3,453.41*	
40 05 19 00-3382	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,108.16	710.21
		For Class 52 Rating, Deduct	*-1,323.53*	
		For Class 54 Rating, Add	*1,817.72*	
		For Class 55 Rating, Add	*2,708.98*	
		For Class 56 Rating, Add	*3,588.20*	
40 05 19 00-3383	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,569.05	713.23
		For Class 52 Rating, Deduct	*-1,373.72*	
		For Class 54 Rating, Add	*1,886.23*	
		For Class 55 Rating, Add	*2,810.85*	
		For Class 56 Rating, Add	*3,722.98*	
40 05 19 00-3384	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,029.93	716.24
		For Class 52 Rating, Deduct	*-1,423.92*	
		For Class 54 Rating, Add	*1,954.73*	
		For Class 55 Rating, Add	*2,912.72*	
		For Class 56 Rating, Add	*3,857.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3385	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,490.83	719.23
		For Class 52 Rating, Deduct	*-1,474.12*	
		For Class 54 Rating, Add	*2,023.24*	
		For Class 55 Rating, Add	*3,014.59*	
		For Class 56 Rating, Add	*3,992.55*	
40 05 19 00-3386	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,951.71	722.24
		For Class 52 Rating, Deduct	*-1,524.31*	
		For Class 54 Rating, Add	*2,091.74*	
		For Class 55 Rating, Add	*3,116.46*	
		For Class 56 Rating, Add	*4,127.33*	
40 05 19 00-3387	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,412.60	725.24
		For Class 52 Rating, Deduct	*-1,574.51*	
		For Class 54 Rating, Add	*2,160.25*	
		For Class 55 Rating, Add	*3,218.34*	
		For Class 56 Rating, Add	*4,262.11*	
40 05 19 00-3388	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,873.48	728.26
		For Class 52 Rating, Deduct	*-1,624.71*	
		For Class 54 Rating, Add	*2,228.75*	
		For Class 55 Rating, Add	*3,320.21*	
		For Class 56 Rating, Add	*4,396.90*	
40 05 19 00-3389	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,334.37	731.25
		For Class 52 Rating, Deduct	*-1,674.91*	
		For Class 54 Rating, Add	*2,297.26*	
		For Class 55 Rating, Add	*3,422.08*	
		For Class 56 Rating, Add	*4,531.68*	
40 05 19 00-3390	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,795.26	734.26
		For Class 52 Rating, Deduct	*-1,725.10*	
		For Class 54 Rating, Add	*2,365.76*	
		For Class 55 Rating, Add	*3,523.95*	
		For Class 56 Rating, Add	*4,666.46*	
40 05 19 00-3391	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,256.14	737.26
		For Class 52 Rating, Deduct	*-1,775.30*	
		For Class 54 Rating, Add	*2,434.27*	
		For Class 55 Rating, Add	*3,625.82*	
		For Class 56 Rating, Add	*4,801.24*	
40 05 19 00-3392	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,717.03	740.26
		For Class 52 Rating, Deduct	*-1,825.50*	
		For Class 54 Rating, Add	*2,502.77*	
		For Class 55 Rating, Add	*3,727.70*	
		For Class 56 Rating, Add	*4,936.03*	
40 05 19 00-3393	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,177.93	743.26
		For Class 52 Rating, Deduct	*-1,875.69*	
		For Class 54 Rating, Add	*2,571.28*	
		For Class 55 Rating, Add	*3,829.57*	
		For Class 56 Rating, Add	*5,070.81*	
40 05 19 00-3394	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,638.81	746.28
		For Class 52 Rating, Deduct	*-1,925.89*	
		For Class 54 Rating, Add	*2,639.78*	
		For Class 55 Rating, Add	*3,931.44*	
		For Class 56 Rating, Add	*5,205.59*	
40 05 19 00-3395	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,099.70	749.28
		For Class 52 Rating, Deduct	*-1,976.09*	
		For Class 54 Rating, Add	*2,708.29*	
		For Class 55 Rating, Add	*4,033.31*	
		For Class 56 Rating, Add	*5,340.38*	
40 05 19 00-3396	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,560.58	752.28
		For Class 52 Rating, Deduct	*-2,026.28*	
		For Class 54 Rating, Add	*2,776.79*	
		For Class 55 Rating, Add	*4,135.19*	
		For Class 56 Rating, Add	*5,475.16*	
40 05 19 00-3397	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,021.47	755.28
		For Class 52 Rating, Deduct	*-2,076.48*	
		For Class 54 Rating, Add	*2,845.30*	
		For Class 55 Rating, Add	*4,237.06*	
		For Class 56 Rating, Add	*5,609.94*	
40 05 19 00-3398	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,482.37	758.29
		For Class 52 Rating, Deduct	*-2,126.68*	
		For Class 54 Rating, Add	*2,913.80*	
		For Class 55 Rating, Add	*4,338.93*	
		For Class 56 Rating, Add	*5,744.73*	
40 05 19 00-3399	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,943.25	761.29
		For Class 52 Rating, Deduct	*-2,176.87*	
		For Class 54 Rating, Add	*2,982.31*	
		For Class 55 Rating, Add	*4,440.80*	
		For Class 56 Rating, Add	*5,879.51*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3400		20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*			
40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,531.65	742.07
		For Class 52 Rating, Deduct		*-374.80*	
		For Class 54 Rating, Add		*524.59*	
		For Class 55 Rating, Add		*786.81*	
		For Class 56 Rating, Add		*1,045.63*	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,056.42	745.08
		For Class 52 Rating, Deduct		*-432.03*	
		For Class 54 Rating, Add		*602.68*	
		For Class 55 Rating, Add		*902.93*	
		For Class 56 Rating, Add		*1,199.26*	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,581.20	748.07
		For Class 52 Rating, Deduct		*-489.25*	
		For Class 54 Rating, Add		*680.76*	
		For Class 55 Rating, Add		*1,019.05*	
		For Class 56 Rating, Add		*1,352.89*	
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,105.98	751.08
		For Class 52 Rating, Deduct		*-546.48*	
		For Class 54 Rating, Add		*758.85*	
		For Class 55 Rating, Add		*1,135.17*	
		For Class 56 Rating, Add		*1,506.52*	
40 05 19 00-3405	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,630.75	754.09
		For Class 52 Rating, Deduct		*-603.70*	
		For Class 54 Rating, Add		*836.94*	
		For Class 55 Rating, Add		*1,251.29*	
		For Class 56 Rating, Add		*1,660.15*	
40 05 19 00-3406	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		7,155.52	757.09
		For Class 52 Rating, Deduct		*-660.93*	
		For Class 54 Rating, Add		*915.03*	
		For Class 55 Rating, Add		*1,367.41*	
		For Class 56 Rating, Add		*1,813.78*	
40 05 19 00-3407	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		7,680.31	760.09
		For Class 52 Rating, Deduct		*-718.15*	
		For Class 54 Rating, Add		*993.12*	
		For Class 55 Rating, Add		*1,483.53*	
		For Class 56 Rating, Add		*1,967.41*	
40 05 19 00-3408	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		8,205.08	763.10
		For Class 52 Rating, Deduct		*-775.38*	
		For Class 54 Rating, Add		*1,071.21*	
		For Class 55 Rating, Add		*1,599.65*	
		For Class 56 Rating, Add		*2,121.04*	
40 05 19 00-3409	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		8,729.85	766.10
		For Class 52 Rating, Deduct		*-832.60*	
		For Class 54 Rating, Add		*1,149.29*	
		For Class 55 Rating, Add		*1,715.77*	
		For Class 56 Rating, Add		*2,274.67*	
40 05 19 00-3410	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		9,254.63	769.10
		For Class 52 Rating, Deduct		*-889.83*	
		For Class 54 Rating, Add		*1,227.38*	
		For Class 55 Rating, Add		*1,831.89*	
		For Class 56 Rating, Add		*2,428.30*	
40 05 19 00-3411	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		9,779.41	772.11
		For Class 52 Rating, Deduct		*-947.05*	
		For Class 54 Rating, Add		*1,305.47*	
		For Class 55 Rating, Add		*1,948.00*	
		For Class 56 Rating, Add		*2,581.93*	
40 05 19 00-3412	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		10,304.18	775.12
		For Class 52 Rating, Deduct		*-1,004.27*	
		For Class 54 Rating, Add		*1,383.56*	
		For Class 55 Rating, Add		*2,064.12*	
		For Class 56 Rating, Add		*2,735.56*	
40 05 19 00-3413	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		10,828.96	778.11
		For Class 52 Rating, Deduct		*-1,061.50*	
		For Class 54 Rating, Add		*1,461.65*	
		For Class 55 Rating, Add		*2,180.24*	
		For Class 56 Rating, Add		*2,889.19*	
40 05 19 00-3414	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		11,353.73	781.12
		For Class 52 Rating, Deduct		*-1,118.72*	
		For Class 54 Rating, Add		*1,539.73*	
		For Class 55 Rating, Add		*2,296.36*	
		For Class 56 Rating, Add		*3,042.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,878.51	784.12
		For Class 52 Rating, Deduct	*-1,175.95*	
		For Class 54 Rating, Add	*1,617.82*	
		For Class 55 Rating, Add	*2,412.48*	
		For Class 56 Rating, Add	*3,196.45*	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,403.28	787.14
		For Class 52 Rating, Deduct	*-1,233.17*	
		For Class 54 Rating, Add	*1,695.91*	
		For Class 55 Rating, Add	*2,528.60*	
		For Class 56 Rating, Add	*3,350.08*	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,928.06	790.14
		For Class 52 Rating, Deduct	*-1,290.40*	
		For Class 54 Rating, Add	*1,774.00*	
		For Class 55 Rating, Add	*2,644.72*	
		For Class 56 Rating, Add	*3,503.71*	
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,452.83	793.14
		For Class 52 Rating, Deduct	*-1,347.62*	
		For Class 54 Rating, Add	*1,852.09*	
		For Class 55 Rating, Add	*2,760.84*	
		For Class 56 Rating, Add	*3,657.34*	
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,977.61	796.15
		For Class 52 Rating, Deduct	*-1,404.85*	
		For Class 54 Rating, Add	*1,930.17*	
		For Class 55 Rating, Add	*2,876.96*	
		For Class 56 Rating, Add	*3,810.97*	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,502.38	799.15
		For Class 52 Rating, Deduct	*-1,462.07*	
		For Class 54 Rating, Add	*2,008.26*	
		For Class 55 Rating, Add	*2,993.08*	
		For Class 56 Rating, Add	*3,964.60*	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,027.15	802.15
		For Class 52 Rating, Deduct	*-1,519.29*	
		For Class 54 Rating, Add	*2,086.35*	
		For Class 55 Rating, Add	*3,109.19*	
		For Class 56 Rating, Add	*4,118.23*	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,551.92	805.16
		For Class 52 Rating, Deduct	*-1,576.52*	
		For Class 54 Rating, Add	*2,164.44*	
		For Class 55 Rating, Add	*3,225.31*	
		For Class 56 Rating, Add	*4,271.85*	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,076.70	808.17
		For Class 52 Rating, Deduct	*-1,633.74*	
		For Class 54 Rating, Add	*2,242.53*	
		For Class 55 Rating, Add	*3,341.43*	
		For Class 56 Rating, Add	*4,425.49*	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,601.48	811.16
		For Class 52 Rating, Deduct	*-1,690.97*	
		For Class 54 Rating, Add	*2,320.61*	
		For Class 55 Rating, Add	*3,457.55*	
		For Class 56 Rating, Add	*4,579.12*	
40 05 19 00-3425	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,126.25	814.17
		For Class 52 Rating, Deduct	*-1,748.19*	
		For Class 54 Rating, Add	*2,398.70*	
		For Class 55 Rating, Add	*3,573.67*	
		For Class 56 Rating, Add	*4,732.74*	
40 05 19 00-3426	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,651.02	817.17
		For Class 52 Rating, Deduct	*-1,805.42*	
		For Class 54 Rating, Add	*2,476.79*	
		For Class 55 Rating, Add	*3,689.79*	
		For Class 56 Rating, Add	*4,886.37*	
40 05 19 00-3427	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,175.80	820.19
		For Class 52 Rating, Deduct	*-1,862.64*	
		For Class 54 Rating, Add	*2,554.88*	
		For Class 55 Rating, Add	*3,805.91*	
		For Class 56 Rating, Add	*5,040.00*	
40 05 19 00-3428	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,700.58	823.18
		For Class 52 Rating, Deduct	*-1,919.87*	
		For Class 54 Rating, Add	*2,632.97*	
		For Class 55 Rating, Add	*3,922.03*	
		For Class 56 Rating, Add	*5,193.63*	
40 05 19 00-3429	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,225.35	826.19
		For Class 52 Rating, Deduct	*-1,977.09*	
		For Class 54 Rating, Add	*2,711.05*	
		For Class 55 Rating, Add	*4,038.14*	
		For Class 56 Rating, Add	*5,347.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3430	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,750.13	829.20
		For Class 52 Rating, Deduct	*-2,034.32*	
		For Class 54 Rating, Add	*2,789.14*	
		For Class 55 Rating, Add	*4,154.27*	
		For Class 56 Rating, Add	*5,500.89*	
40 05 19 00-3431	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,274.90	832.19
		For Class 52 Rating, Deduct	*-2,091.54*	
		For Class 54 Rating, Add	*2,867.23*	
		For Class 55 Rating, Add	*4,270.38*	
		For Class 56 Rating, Add	*5,654.52*	
40 05 19 00-3432	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,799.68	835.20
		For Class 52 Rating, Deduct	*-2,148.76*	
		For Class 54 Rating, Add	*2,945.32*	
		For Class 55 Rating, Add	*4,386.50*	
		For Class 56 Rating, Add	*5,808.15*	
40 05 19 00-3433	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,324.46	838.21
		For Class 52 Rating, Deduct	*-2,205.99*	
		For Class 54 Rating, Add	*3,023.41*	
		For Class 55 Rating, Add	*4,502.62*	
		For Class 56 Rating, Add	*5,961.78*	
40 05 19 00-3434	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,849.23	841.22
		For Class 52 Rating, Deduct	*-2,263.21*	
		For Class 54 Rating, Add	*3,101.50*	
		For Class 55 Rating, Add	*4,618.74*	
		For Class 56 Rating, Add	*6,115.41*	
40 05 19 00-3435	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,374.00	844.21
		For Class 52 Rating, Deduct	*-2,320.44*	
		For Class 54 Rating, Add	*3,179.58*	
		For Class 55 Rating, Add	*4,734.86*	
		For Class 56 Rating, Add	*6,269.04*	
40 05 19 00-3436	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,898.79	847.22
		For Class 52 Rating, Deduct	*-2,377.66*	
		For Class 54 Rating, Add	*3,257.67*	
		For Class 55 Rating, Add	*4,850.98*	
		For Class 56 Rating, Add	*6,422.67*	
40 05 19 00-3437	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,423.56	850.22
		For Class 52 Rating, Deduct	*-2,434.89*	
		For Class 54 Rating, Add	*3,335.76*	
		For Class 55 Rating, Add	*4,967.10*	
		For Class 56 Rating, Add	*6,576.30*	
40 05 19 00-3438	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,948.33	853.22
		For Class 52 Rating, Deduct	*-2,492.11*	
		For Class 54 Rating, Add	*3,413.85*	
		For Class 55 Rating, Add	*5,083.22*	
		For Class 56 Rating, Add	*6,729.93*	

40 05 19 00-3439 24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,582.23	877.26
		For Class 52 Rating, Deduct	*-467.84*	
		For Class 54 Rating, Add	*653.91*	
		For Class 55 Rating, Add	*980.33*	
		For Class 56 Rating, Add	*1,302.50*	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,231.74	880.27
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*750.71*	
		For Class 55 Rating, Add	*1,124.27*	
		For Class 56 Rating, Add	*1,492.93*	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,881.24	883.27
		For Class 52 Rating, Deduct	*-609.73*	
		For Class 54 Rating, Add	*847.50*	
		For Class 55 Rating, Add	*1,268.20*	
		For Class 56 Rating, Add	*1,683.35*	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,530.76	886.27
		For Class 52 Rating, Deduct	*-680.67*	
		For Class 54 Rating, Add	*944.30*	
		For Class 55 Rating, Add	*1,412.13*	
		For Class 56 Rating, Add	*1,873.78*	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,180.26	889.27
		For Class 52 Rating, Deduct	*-751.62*	
		For Class 54 Rating, Add	*1,041.10*	
		For Class 55 Rating, Add	*1,556.07*	
		For Class 56 Rating, Add	*2,064.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,829.77	892.29
		For Class 52 Rating, Deduct	*-822.56*	
		For Class 54 Rating, Add	*1,137.90*	
		For Class 55 Rating, Add	*1,700.00*	
		For Class 56 Rating, Add	*2,254.63*	
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,479.27	895.29
		For Class 52 Rating, Deduct	*-893.51*	
		For Class 54 Rating, Add	*1,234.69*	
		For Class 55 Rating, Add	*1,843.94*	
		For Class 56 Rating, Add	*2,445.05*	
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,128.79	898.29
		For Class 52 Rating, Deduct	*-964.45*	
		For Class 54 Rating, Add	*1,331.49*	
		For Class 55 Rating, Add	*1,987.87*	
		For Class 56 Rating, Add	*2,635.48*	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,778.29	901.29
		For Class 52 Rating, Deduct	*-1,035.40*	
		For Class 54 Rating, Add	*1,428.29*	
		For Class 55 Rating, Add	*2,131.80*	
		For Class 56 Rating, Add	*2,825.91*	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,427.80	904.30
		For Class 52 Rating, Deduct	*-1,106.34*	
		For Class 54 Rating, Add	*1,525.09*	
		For Class 55 Rating, Add	*2,275.74*	
		For Class 56 Rating, Add	*3,016.33*	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,077.30	907.29
		For Class 52 Rating, Deduct	*-1,177.29*	
		For Class 54 Rating, Add	*1,621.89*	
		For Class 55 Rating, Add	*2,419.67*	
		For Class 56 Rating, Add	*3,206.76*	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,726.82	910.31
		For Class 52 Rating, Deduct	*-1,248.23*	
		For Class 54 Rating, Add	*1,718.69*	
		For Class 55 Rating, Add	*2,563.61*	
		For Class 56 Rating, Add	*3,397.18*	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,376.32	913.32
		For Class 52 Rating, Deduct	*-1,319.18*	
		For Class 54 Rating, Add	*1,815.48*	
		For Class 55 Rating, Add	*2,707.54*	
		For Class 56 Rating, Add	*3,587.61*	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,025.82	916.32
		For Class 52 Rating, Deduct	*-1,390.12*	
		For Class 54 Rating, Add	*1,912.28*	
		For Class 55 Rating, Add	*2,851.47*	
		For Class 56 Rating, Add	*3,778.03*	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,675.33	919.32
		For Class 52 Rating, Deduct	*-1,461.07*	
		For Class 54 Rating, Add	*2,009.08*	
		For Class 55 Rating, Add	*2,995.41*	
		For Class 56 Rating, Add	*3,968.46*	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,324.84	922.32
		For Class 52 Rating, Deduct	*-1,532.01*	
		For Class 54 Rating, Add	*2,105.88*	
		For Class 55 Rating, Add	*3,139.34*	
		For Class 56 Rating, Add	*4,158.88*	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,974.35	925.34
		For Class 52 Rating, Deduct	*-1,602.96*	
		For Class 54 Rating, Add	*2,202.67*	
		For Class 55 Rating, Add	*3,283.28*	
		For Class 56 Rating, Add	*4,349.31*	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,623.85	928.33
		For Class 52 Rating, Deduct	*-1,673.90*	
		For Class 54 Rating, Add	*2,299.47*	
		For Class 55 Rating, Add	*3,427.21*	
		For Class 56 Rating, Add	*4,539.73*	
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,273.36	931.34
		For Class 52 Rating, Deduct	*-1,744.85*	
		For Class 54 Rating, Add	*2,396.27*	
		For Class 55 Rating, Add	*3,571.15*	
		For Class 56 Rating, Add	*4,730.16*	
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,922.87	934.34
		For Class 52 Rating, Deduct	*-1,815.79*	
		For Class 54 Rating, Add	*2,493.07*	
		For Class 55 Rating, Add	*3,715.08*	
		For Class 56 Rating, Add	*4,920.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3460	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,572.38	937.35
		For Class 52 Rating, Deduct	*-1,886.74*	
		For Class 54 Rating, Add	*2,589.87*	
		For Class 55 Rating, Add	*3,859.01*	
		For Class 56 Rating, Add	*5,111.01*	
40 05 19 00-3461	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,221.88	940.34
		For Class 52 Rating, Deduct	*-1,957.68*	
		For Class 54 Rating, Add	*2,686.66*	
		For Class 55 Rating, Add	*4,002.95*	
		For Class 56 Rating, Add	*5,301.44*	
40 05 19 00-3462	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,871.39	943.36
		For Class 52 Rating, Deduct	*-2,028.63*	
		For Class 54 Rating, Add	*2,783.46*	
		For Class 55 Rating, Add	*4,146.88*	
		For Class 56 Rating, Add	*5,491.86*	
40 05 19 00-3463	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,520.89	946.37
		For Class 52 Rating, Deduct	*-2,099.57*	
		For Class 54 Rating, Add	*2,880.26*	
		For Class 55 Rating, Add	*4,290.82*	
		For Class 56 Rating, Add	*5,682.29*	
40 05 19 00-3464	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,170.41	949.37
		For Class 52 Rating, Deduct	*-2,170.52*	
		For Class 54 Rating, Add	*2,977.06*	
		For Class 55 Rating, Add	*4,434.75*	
		For Class 56 Rating, Add	*5,872.71*	
40 05 19 00-3465	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,819.90	952.37
		For Class 52 Rating, Deduct	*-2,241.46*	
		For Class 54 Rating, Add	*3,073.85*	
		For Class 55 Rating, Add	*4,578.68*	
		For Class 56 Rating, Add	*6,063.14*	
40 05 19 00-3466	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,469.41	955.37
		For Class 52 Rating, Deduct	*-2,312.41*	
		For Class 54 Rating, Add	*3,170.65*	
		For Class 55 Rating, Add	*4,722.62*	
		For Class 56 Rating, Add	*6,253.57*	
40 05 19 00-3467	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,118.91	958.39
		For Class 52 Rating, Deduct	*-2,383.35*	
		For Class 54 Rating, Add	*3,267.45*	
		For Class 55 Rating, Add	*4,866.55*	
		For Class 56 Rating, Add	*6,443.99*	
40 05 19 00-3468	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,768.43	961.38
		For Class 52 Rating, Deduct	*-2,454.30*	
		For Class 54 Rating, Add	*3,364.25*	
		For Class 55 Rating, Add	*5,010.49*	
		For Class 56 Rating, Add	*6,634.42*	
40 05 19 00-3469	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,495.32	1,015.46
		For Class 52 Rating, Deduct	*-2,525.24*	
		For Class 54 Rating, Add	*3,461.97*	
		For Class 55 Rating, Add	*5,156.28*	
		For Class 56 Rating, Add	*6,827.63*	
40 05 19 00-3470	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,144.83	1,018.46
		For Class 52 Rating, Deduct	*-2,596.19*	
		For Class 54 Rating, Add	*3,558.77*	
		For Class 55 Rating, Add	*5,300.21*	
		For Class 56 Rating, Add	*7,018.05*	
40 05 19 00-3471	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,794.33	1,021.47
		For Class 52 Rating, Deduct	*-2,667.13*	
		For Class 54 Rating, Add	*3,655.57*	
		For Class 55 Rating, Add	*5,444.15*	
		For Class 56 Rating, Add	*7,208.48*	
40 05 19 00-3472	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,443.85	1,024.48
		For Class 52 Rating, Deduct	*-2,738.08*	
		For Class 54 Rating, Add	*3,752.37*	
		For Class 55 Rating, Add	*5,588.08*	
		For Class 56 Rating, Add	*7,398.91*	
40 05 19 00-3473	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,093.34	1,027.47
		For Class 52 Rating, Deduct	*-2,809.02*	
		For Class 54 Rating, Add	*3,849.17*	
		For Class 55 Rating, Add	*5,732.02*	
		For Class 56 Rating, Add	*7,589.33*	
40 05 19 00-3474	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,785.09	1,030.49
		For Class 52 Rating, Deduct	*-3,214.61*	
		For Class 54 Rating, Add	*4,402.30*	
		For Class 55 Rating, Add	*6,554.37*	
		For Class 56 Rating, Add	*8,677.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3475	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,392.35	1,033.49
		For Class 52 Rating, Deduct	*-2,950.91*	
		For Class 54 Rating, Add	*4,042.76*	
		For Class 55 Rating, Add	*6,019.88*	
		For Class 56 Rating, Add	*7,970.18*	
40 05 19 00-3476	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,041.87	1,036.49
		For Class 52 Rating, Deduct	*-3,021.86*	
		For Class 54 Rating, Add	*4,139.56*	
		For Class 55 Rating, Add	*6,163.82*	
		For Class 56 Rating, Add	*8,160.61*	
40 05 19 00-3477	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,691.37	1,039.49
		For Class 52 Rating, Deduct	*-3,092.80*	
		For Class 54 Rating, Add	*4,236.36*	
		For Class 55 Rating, Add	*6,307.75*	
		For Class 56 Rating, Add	*8,351.03*	

40 05 19 00-3478 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,462.78	1,237.79
		For Class 52 Rating, Deduct	*-834.61*	
		For Class 54 Rating, Add	*1,160.61*	
		For Class 55 Rating, Add	*1,736.99*	
		For Class 56 Rating, Add	*2,305.78*	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,392.17	1,240.78
		For Class 52 Rating, Deduct	*-936.34*	
		For Class 54 Rating, Add	*1,299.39*	
		For Class 55 Rating, Add	*1,943.34*	
		For Class 56 Rating, Add	*2,578.78*	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,321.56	1,243.79
		For Class 52 Rating, Deduct	*-1,038.07*	
		For Class 54 Rating, Add	*1,438.17*	
		For Class 55 Rating, Add	*2,149.69*	
		For Class 56 Rating, Add	*2,851.77*	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,250.95	1,246.79
		For Class 52 Rating, Deduct	*-1,139.81*	
		For Class 54 Rating, Add	*1,576.95*	
		For Class 55 Rating, Add	*2,356.03*	
		For Class 56 Rating, Add	*3,124.76*	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,180.35	1,249.80
		For Class 52 Rating, Deduct	*-1,241.54*	
		For Class 54 Rating, Add	*1,715.73*	
		For Class 55 Rating, Add	*2,562.38*	
		For Class 56 Rating, Add	*3,397.75*	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,109.74	1,252.79
		For Class 52 Rating, Deduct	*-1,343.27*	
		For Class 54 Rating, Add	*1,854.51*	
		For Class 55 Rating, Add	*2,768.73*	
		For Class 56 Rating, Add	*3,670.74*	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,039.12	1,255.81
		For Class 52 Rating, Deduct	*-1,445.00*	
		For Class 54 Rating, Add	*1,993.29*	
		For Class 55 Rating, Add	*2,975.08*	
		For Class 56 Rating, Add	*3,943.73*	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,968.51	1,258.82
		For Class 52 Rating, Deduct	*-1,546.74*	
		For Class 54 Rating, Add	*2,132.07*	
		For Class 55 Rating, Add	*3,181.43*	
		For Class 56 Rating, Add	*4,216.72*	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,897.91	1,261.81
		For Class 52 Rating, Deduct	*-1,648.47*	
		For Class 54 Rating, Add	*2,270.85*	
		For Class 55 Rating, Add	*3,387.78*	
		For Class 56 Rating, Add	*4,489.72*	
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,827.31	1,264.82
		For Class 52 Rating, Deduct	*-1,750.20*	
		For Class 54 Rating, Add	*2,409.63*	
		For Class 55 Rating, Add	*3,594.13*	
		For Class 56 Rating, Add	*4,762.71*	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,756.70	1,267.82
		For Class 52 Rating, Deduct	*-1,851.93*	
		For Class 54 Rating, Add	*2,548.42*	
		For Class 55 Rating, Add	*3,800.48*	
		For Class 56 Rating, Add	*5,035.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3490	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,686.09	1,270.84
		For Class 52 Rating, Deduct	*-1,953.67*	
		For Class 54 Rating, Add	*2,687.20*	
		For Class 55 Rating, Add	*4,006.83*	
		For Class 56 Rating, Add	*5,308.69*	
40 05 19 00-3491	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,615.49	1,273.83
		For Class 52 Rating, Deduct	*-2,055.40*	
		For Class 54 Rating, Add	*2,825.98*	
		For Class 55 Rating, Add	*4,213.17*	
		For Class 56 Rating, Add	*5,581.69*	
40 05 19 00-3492	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,544.88	1,276.84
		For Class 52 Rating, Deduct	*-2,157.13*	
		For Class 54 Rating, Add	*2,964.76*	
		For Class 55 Rating, Add	*4,419.52*	
		For Class 56 Rating, Add	*5,854.68*	
40 05 19 00-3493	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,474.27	1,279.84
		For Class 52 Rating, Deduct	*-2,258.86*	
		For Class 54 Rating, Add	*3,103.54*	
		For Class 55 Rating, Add	*4,625.87*	
		For Class 56 Rating, Add	*6,127.67*	
40 05 19 00-3494	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,403.66	1,282.84
		For Class 52 Rating, Deduct	*-2,360.60*	
		For Class 54 Rating, Add	*3,242.32*	
		For Class 55 Rating, Add	*4,832.22*	
		For Class 56 Rating, Add	*6,400.66*	
40 05 19 00-3495	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,333.06	1,285.84
		For Class 52 Rating, Deduct	*-2,462.33*	
		For Class 54 Rating, Add	*3,381.10*	
		For Class 55 Rating, Add	*5,038.57*	
		For Class 56 Rating, Add	*6,673.65*	
40 05 19 00-3496	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,262.45	1,288.86
		For Class 52 Rating, Deduct	*-2,564.06*	
		For Class 54 Rating, Add	*3,519.88*	
		For Class 55 Rating, Add	*5,244.92*	
		For Class 56 Rating, Add	*6,946.64*	
40 05 19 00-3497	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,191.84	1,291.86
		For Class 52 Rating, Deduct	*-2,665.79*	
		For Class 54 Rating, Add	*3,658.66*	
		For Class 55 Rating, Add	*5,451.27*	
		For Class 56 Rating, Add	*7,219.64*	
40 05 19 00-3498	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,121.23	1,294.86
		For Class 52 Rating, Deduct	*-2,767.53*	
		For Class 54 Rating, Add	*3,797.44*	
		For Class 55 Rating, Add	*5,657.61*	
		For Class 56 Rating, Add	*7,492.63*	
40 05 19 00-3499	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,050.64	1,297.86
		For Class 52 Rating, Deduct	*-2,869.26*	
		For Class 54 Rating, Add	*3,936.22*	
		For Class 55 Rating, Add	*5,863.97*	
		For Class 56 Rating, Add	*7,765.62*	
40 05 19 00-3500	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,980.03	1,300.87
		For Class 52 Rating, Deduct	*-2,970.99*	
		For Class 54 Rating, Add	*4,075.00*	
		For Class 55 Rating, Add	*6,070.31*	
		For Class 56 Rating, Add	*8,038.61*	
40 05 19 00-3501	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,909.42	1,303.87
		For Class 52 Rating, Deduct	*-3,072.72*	
		For Class 54 Rating, Add	*4,213.78*	
		For Class 55 Rating, Add	*6,276.66*	
		For Class 56 Rating, Add	*8,311.61*	
40 05 19 00-3502	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,838.81	1,306.88
		For Class 52 Rating, Deduct	*-3,174.46*	
		For Class 54 Rating, Add	*4,352.56*	
		For Class 55 Rating, Add	*6,483.01*	
		For Class 56 Rating, Add	*8,584.60*	
40 05 19 00-3503	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,768.20	1,309.89
		For Class 52 Rating, Deduct	*-3,276.19*	
		For Class 54 Rating, Add	*4,491.35*	
		For Class 55 Rating, Add	*6,689.36*	
		For Class 56 Rating, Add	*8,857.59*	
40 05 19 00-3504	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,697.60	1,312.89
		For Class 52 Rating, Deduct	*-3,377.92*	
		For Class 54 Rating, Add	*4,630.13*	
		For Class 55 Rating, Add	*6,895.71*	
		For Class 56 Rating, Add	*9,130.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3505	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,626.99	1,315.89
		For Class 52 Rating, Deduct	*-3,479.65*	
		For Class 54 Rating, Add	*4,768.91*	
		For Class 55 Rating, Add	*7,102.06*	
		For Class 56 Rating, Add	*9,403.57*	
40 05 19 00-3506	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,556.38	1,318.89
		For Class 52 Rating, Deduct	*-3,581.39*	
		For Class 54 Rating, Add	*4,907.69*	
		For Class 55 Rating, Add	*7,308.41*	
		For Class 56 Rating, Add	*9,676.56*	
40 05 19 00-3507	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,485.77	1,321.91
		For Class 52 Rating, Deduct	*-3,683.12*	
		For Class 54 Rating, Add	*5,046.47*	
		For Class 55 Rating, Add	*7,514.75*	
		For Class 56 Rating, Add	*9,949.56*	
40 05 19 00-3508	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,415.17	1,324.91
		For Class 52 Rating, Deduct	*-3,784.85*	
		For Class 54 Rating, Add	*5,185.25*	
		For Class 55 Rating, Add	*7,721.10*	
		For Class 56 Rating, Add	*10,222.55*	
40 05 19 00-3509	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,344.57	1,327.91
		For Class 52 Rating, Deduct	*-3,886.58*	
		For Class 54 Rating, Add	*5,324.03*	
		For Class 55 Rating, Add	*7,927.45*	
		For Class 56 Rating, Add	*10,495.54*	
40 05 19 00-3510	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,273.95	1,330.91
		For Class 52 Rating, Deduct	*-3,988.32*	
		For Class 54 Rating, Add	*5,462.81*	
		For Class 55 Rating, Add	*8,133.80*	
		For Class 56 Rating, Add	*10,768.53*	
40 05 19 00-3511	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,203.34	1,333.92
		For Class 52 Rating, Deduct	*-4,090.05*	
		For Class 54 Rating, Add	*5,601.59*	
		For Class 55 Rating, Add	*8,340.15*	
		For Class 56 Rating, Add	*11,041.53*	
40 05 19 00-3512	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,132.74	1,336.91
		For Class 52 Rating, Deduct	*-4,191.78*	
		For Class 54 Rating, Add	*5,740.37*	
		For Class 55 Rating, Add	*8,546.50*	
		For Class 56 Rating, Add	*11,314.52*	
40 05 19 00-3513	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,062.13	1,339.93
		For Class 52 Rating, Deduct	*-4,293.51*	
		For Class 54 Rating, Add	*5,879.15*	
		For Class 55 Rating, Add	*8,752.85*	
		For Class 56 Rating, Add	*11,587.51*	

40 05 19 00-3514 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,825.34	1,568.26
		For Class 52 Rating, Deduct	*-1,039.41*	
		For Class 54 Rating, Add	*1,445.89*	
		For Class 55 Rating, Add	*2,164.20*	
		For Class 56 Rating, Add	*2,873.06*	
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,071.12	1,571.27
		For Class 52 Rating, Deduct	*-1,175.95*	
		For Class 54 Rating, Add	*1,632.13*	
		For Class 55 Rating, Add	*2,441.10*	
		For Class 56 Rating, Add	*3,239.38*	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,316.92	1,574.26
		For Class 52 Rating, Deduct	*-1,312.48*	
		For Class 54 Rating, Add	*1,818.37*	
		For Class 55 Rating, Add	*2,718.01*	
		For Class 56 Rating, Add	*3,605.71*	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,562.70	1,577.27
		For Class 52 Rating, Deduct	*-1,449.02*	
		For Class 54 Rating, Add	*2,004.61*	
		For Class 55 Rating, Add	*2,994.91*	
		For Class 56 Rating, Add	*3,972.04*	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,808.48	1,580.28
		For Class 52 Rating, Deduct	*-1,585.55*	
		For Class 54 Rating, Add	*2,190.85*	
		For Class 55 Rating, Add	*3,271.82*	
		For Class 56 Rating, Add	*4,338.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,054.27	1,583.28
		For Class 52 Rating, Deduct	*-1,722.09*	
		For Class 54 Rating, Add	*2,377.09*	
		For Class 55 Rating, Add	*3,548.72*	
		For Class 56 Rating, Add	*4,704.69*	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,300.06	1,586.28
		For Class 52 Rating, Deduct	*-1,858.63*	
		For Class 54 Rating, Add	*2,563.33*	
		For Class 55 Rating, Add	*3,825.62*	
		For Class 56 Rating, Add	*5,071.02*	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,545.84	1,589.29
		For Class 52 Rating, Deduct	*-1,995.16*	
		For Class 54 Rating, Add	*2,749.57*	
		For Class 55 Rating, Add	*4,102.53*	
		For Class 56 Rating, Add	*5,437.35*	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,791.63	1,592.29
		For Class 52 Rating, Deduct	*-2,131.70*	
		For Class 54 Rating, Add	*2,935.81*	
		For Class 55 Rating, Add	*4,379.43*	
		For Class 56 Rating, Add	*5,803.68*	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,037.41	1,595.29
		For Class 52 Rating, Deduct	*-2,268.23*	
		For Class 54 Rating, Add	*3,122.05*	
		For Class 55 Rating, Add	*4,656.34*	
		For Class 56 Rating, Add	*6,170.00*	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,283.21	1,598.30
		For Class 52 Rating, Deduct	*-2,404.77*	
		For Class 54 Rating, Add	*3,308.29*	
		For Class 55 Rating, Add	*4,933.24*	
		For Class 56 Rating, Add	*6,536.33*	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,528.99	1,601.31
		For Class 52 Rating, Deduct	*-2,541.30*	
		For Class 54 Rating, Add	*3,494.53*	
		For Class 55 Rating, Add	*5,210.15*	
		For Class 56 Rating, Add	*6,902.66*	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,774.77	1,604.30
		For Class 52 Rating, Deduct	*-2,677.84*	
		For Class 54 Rating, Add	*3,680.77*	
		For Class 55 Rating, Add	*5,487.05*	
		For Class 56 Rating, Add	*7,268.99*	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,020.56	1,607.31
		For Class 52 Rating, Deduct	*-2,814.38*	
		For Class 54 Rating, Add	*3,867.01*	
		For Class 55 Rating, Add	*5,763.96*	
		For Class 56 Rating, Add	*7,635.32*	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,266.34	1,610.31
		For Class 52 Rating, Deduct	*-2,950.91*	
		For Class 54 Rating, Add	*4,053.25*	
		For Class 55 Rating, Add	*6,040.86*	
		For Class 56 Rating, Add	*8,001.64*	
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,512.14	1,613.32
		For Class 52 Rating, Deduct	*-3,087.45*	
		For Class 54 Rating, Add	*4,239.49*	
		For Class 55 Rating, Add	*6,317.77*	
		For Class 56 Rating, Add	*8,367.97*	
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,757.92	1,616.32
		For Class 52 Rating, Deduct	*-3,223.98*	
		For Class 54 Rating, Add	*4,425.73*	
		For Class 55 Rating, Add	*6,594.67*	
		For Class 56 Rating, Add	*8,734.30*	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,003.70	1,619.33
		For Class 52 Rating, Deduct	*-3,360.52*	
		For Class 54 Rating, Add	*4,611.97*	
		For Class 55 Rating, Add	*6,871.57*	
		For Class 56 Rating, Add	*9,100.63*	
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,249.49	1,622.34
		For Class 52 Rating, Deduct	*-3,497.06*	
		For Class 54 Rating, Add	*4,798.21*	
		For Class 55 Rating, Add	*7,148.48*	
		For Class 56 Rating, Add	*9,466.96*	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,495.28	1,625.34
		For Class 52 Rating, Deduct	*-3,633.59*	
		For Class 54 Rating, Add	*4,984.45*	
		For Class 55 Rating, Add	*7,425.38*	
		For Class 56 Rating, Add	*9,833.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3535	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,741.07	1,628.34
		For Class 52 Rating, Deduct	*-3,770.13*	
		For Class 54 Rating, Add	*5,170.69*	
		For Class 55 Rating, Add	*7,702.29*	
		For Class 56 Rating, Add	*10,199.61*	
40 05 19 00-3536	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,986.85	1,631.34
		For Class 52 Rating, Deduct	*-3,906.66*	
		For Class 54 Rating, Add	*5,356.93*	
		For Class 55 Rating, Add	*7,979.19*	
		For Class 56 Rating, Add	*10,565.94*	
40 05 19 00-3537	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,232.63	1,634.36
		For Class 52 Rating, Deduct	*-4,043.20*	
		For Class 54 Rating, Add	*5,543.17*	
		For Class 55 Rating, Add	*8,256.09*	
		For Class 56 Rating, Add	*10,932.27*	
40 05 19 00-3538	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,478.42	1,637.35
		For Class 52 Rating, Deduct	*-4,179.73*	
		For Class 54 Rating, Add	*5,729.41*	
		For Class 55 Rating, Add	*8,533.00*	
		For Class 56 Rating, Add	*11,298.60*	
40 05 19 00-3539	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,724.20	1,640.36
		For Class 52 Rating, Deduct	*-4,316.27*	
		For Class 54 Rating, Add	*5,915.65*	
		For Class 55 Rating, Add	*8,809.90*	
		For Class 56 Rating, Add	*11,664.92*	
40 05 19 00-3540	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,969.99	1,643.36
		For Class 52 Rating, Deduct	*-4,452.81*	
		For Class 54 Rating, Add	*6,101.89*	
		For Class 55 Rating, Add	*9,086.81*	
		For Class 56 Rating, Add	*12,031.25*	
40 05 19 00-3541	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,215.77	1,646.37
		For Class 52 Rating, Deduct	*-4,589.34*	
		For Class 54 Rating, Add	*6,288.13*	
		For Class 55 Rating, Add	*9,363.71*	
		For Class 56 Rating, Add	*12,397.58*	
40 05 19 00-3542	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,461.56	1,649.36
		For Class 52 Rating, Deduct	*-4,725.88*	
		For Class 54 Rating, Add	*6,474.37*	
		For Class 55 Rating, Add	*9,640.62*	
		For Class 56 Rating, Add	*12,763.91*	
40 05 19 00-3543	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,707.35	1,652.38
		For Class 52 Rating, Deduct	*-4,862.41*	
		For Class 54 Rating, Add	*6,660.61*	
		For Class 55 Rating, Add	*9,917.52*	
		For Class 56 Rating, Add	*13,130.24*	
40 05 19 00-3544	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,953.13	1,655.39
		For Class 52 Rating, Deduct	*-4,998.95*	
		For Class 54 Rating, Add	*6,846.84*	
		For Class 55 Rating, Add	*10,194.43*	
		For Class 56 Rating, Add	*13,496.56*	
40 05 19 00-3545	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,198.92	1,658.38
		For Class 52 Rating, Deduct	*-5,135.48*	
		For Class 54 Rating, Add	*7,033.09*	
		For Class 55 Rating, Add	*10,471.33*	
		For Class 56 Rating, Add	*13,862.89*	
40 05 19 00-3546	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,444.71	1,661.39
		For Class 52 Rating, Deduct	*-5,272.02*	
		For Class 54 Rating, Add	*7,219.32*	
		For Class 55 Rating, Add	*10,748.24*	
		For Class 56 Rating, Add	*14,229.22*	
40 05 19 00-3547	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,690.49	1,664.39
		For Class 52 Rating, Deduct	*-5,408.55*	
		For Class 54 Rating, Add	*7,405.56*	
		For Class 55 Rating, Add	*11,025.14*	
		For Class 56 Rating, Add	*14,595.55*	
40 05 19 00-3548	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,936.28	1,667.41
		For Class 52 Rating, Deduct	*-5,545.09*	
		For Class 54 Rating, Add	*7,591.80*	
		For Class 55 Rating, Add	*11,302.04*	
		For Class 56 Rating, Add	*14,961.88*	
40 05 19 00-3549	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,182.06	1,670.40
		For Class 52 Rating, Deduct	*-5,681.63*	
		For Class 54 Rating, Add	*7,778.04*	
		For Class 55 Rating, Add	*11,578.95*	
		For Class 56 Rating, Add	*15,328.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3550		42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3551	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,663.11	1,976.84
		For Class 52 Rating, Deduct	*-1,393.47*	
		For Class 54 Rating, Add	*1,936.13*	
		For Class 55 Rating, Add	*2,896.82*	
		For Class 56 Rating, Add	*3,844.86*	
40 05 19 00-3552	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,499.09	1,979.85
		For Class 52 Rating, Deduct	*-1,594.93*	
		For Class 54 Rating, Add	*2,210.90*	
		For Class 55 Rating, Add	*3,305.34*	
		For Class 56 Rating, Add	*4,385.29*	
40 05 19 00-3553	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,319.85	1,982.85
		For Class 52 Rating, Deduct	*-1,794.71*	
		For Class 54 Rating, Add	*2,483.38*	
		For Class 55 Rating, Add	*3,710.47*	
		For Class 56 Rating, Add	*4,921.24*	
40 05 19 00-3554	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,158.87	1,985.86
		For Class 52 Rating, Deduct	*-1,996.50*	
		For Class 54 Rating, Add	*2,758.61*	
		For Class 55 Rating, Add	*4,119.66*	
		For Class 56 Rating, Add	*5,462.57*	
40 05 19 00-3555	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,985.74	1,988.86
		For Class 52 Rating, Deduct	*-2,196.95*	
		For Class 54 Rating, Add	*3,032.01*	
		For Class 55 Rating, Add	*4,526.15*	
		For Class 56 Rating, Add	*6,000.31*	
40 05 19 00-3556	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,830.84	1,991.86
		For Class 52 Rating, Deduct	*-2,399.41*	
		For Class 54 Rating, Add	*3,308.14*	
		For Class 55 Rating, Add	*4,936.70*	
		For Class 56 Rating, Add	*6,543.44*	
40 05 19 00-3557	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,657.69	1,994.86
		For Class 52 Rating, Deduct	*-2,599.87*	
		For Class 54 Rating, Add	*3,581.54*	
		For Class 55 Rating, Add	*5,343.18*	
		For Class 56 Rating, Add	*7,081.18*	
40 05 19 00-3558	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,505.84	1,997.88
		For Class 52 Rating, Deduct	*-2,802.66*	
		For Class 54 Rating, Add	*3,858.14*	
		For Class 55 Rating, Add	*5,754.41*	
		For Class 56 Rating, Add	*7,625.21*	
40 05 19 00-3559	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,335.74	2,000.88
		For Class 52 Rating, Deduct	*-3,003.45*	
		For Class 54 Rating, Add	*4,131.99*	
		For Class 55 Rating, Add	*6,161.57*	
		For Class 56 Rating, Add	*8,163.85*	
40 05 19 00-3560	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,186.93	2,003.88
		For Class 52 Rating, Deduct	*-3,206.58*	
		For Class 54 Rating, Add	*4,409.05*	
		For Class 55 Rating, Add	*6,573.48*	
		For Class 56 Rating, Add	*8,708.77*	
40 05 19 00-3561	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,016.83	2,006.89
		For Class 52 Rating, Deduct	*-3,407.37*	
		For Class 54 Rating, Add	*4,682.90*	
		For Class 55 Rating, Add	*6,980.65*	
		For Class 56 Rating, Add	*9,247.41*	
40 05 19 00-3562	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,868.02	2,009.89
		For Class 52 Rating, Deduct	*-3,610.50*	
		For Class 54 Rating, Add	*4,959.95*	
		For Class 55 Rating, Add	*7,392.56*	
		For Class 56 Rating, Add	*9,792.34*	
40 05 19 00-3563	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,700.96	2,012.89
		For Class 52 Rating, Deduct	*-3,811.62*	
		For Class 54 Rating, Add	*5,234.26*	
		For Class 55 Rating, Add	*7,800.39*	
		For Class 56 Rating, Add	*10,331.87*	
40 05 19 00-3564	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,536.93	2,015.90
		For Class 52 Rating, Deduct	*-4,013.08*	
		For Class 54 Rating, Add	*5,509.03*	
		For Class 55 Rating, Add	*8,208.91*	
		For Class 56 Rating, Add	*10,872.31*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,385.08	2,018.91
		For Class 52 Rating, Deduct	*-4,215.88*	
		For Class 54 Rating, Add	*5,785.63*	
		For Class 55 Rating, Add	*8,620.14*	
		For Class 56 Rating, Add	*11,416.33*	
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,218.02	2,021.91
		For Class 52 Rating, Deduct	*-4,417.00*	
		For Class 54 Rating, Add	*6,059.94*	
		For Class 55 Rating, Add	*9,027.98*	
		For Class 56 Rating, Add	*11,955.87*	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,072.26	2,024.91
		For Class 52 Rating, Deduct	*-4,620.46*	
		For Class 54 Rating, Add	*6,337.45*	
		For Class 55 Rating, Add	*9,440.57*	
		For Class 56 Rating, Add	*12,501.69*	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,908.24	2,027.91
		For Class 52 Rating, Deduct	*-4,821.92*	
		For Class 54 Rating, Add	*6,612.22*	
		For Class 55 Rating, Add	*9,849.09*	
		For Class 56 Rating, Add	*13,042.13*	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,759.43	2,030.93
		For Class 52 Rating, Deduct	*-5,025.05*	
		For Class 54 Rating, Add	*6,889.27*	
		For Class 55 Rating, Add	*10,261.00*	
		For Class 56 Rating, Add	*13,587.05*	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,595.40	2,033.92
		For Class 52 Rating, Deduct	*-5,226.51*	
		For Class 54 Rating, Add	*7,164.04*	
		For Class 55 Rating, Add	*10,669.52*	
		For Class 56 Rating, Add	*14,127.48*	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,449.65	2,036.93
		For Class 52 Rating, Deduct	*-5,429.97*	
		For Class 54 Rating, Add	*7,441.54*	
		For Class 55 Rating, Add	*11,082.11*	
		For Class 56 Rating, Add	*14,673.31*	
40 05 19 00-3572	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,285.62	2,039.93
		For Class 52 Rating, Deduct	*-5,631.43*	
		For Class 54 Rating, Add	*7,716.31*	
		For Class 55 Rating, Add	*11,490.62*	
		For Class 56 Rating, Add	*15,213.74*	
40 05 19 00-3573	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,139.86	2,042.94
		For Class 52 Rating, Deduct	*-5,834.90*	
		For Class 54 Rating, Add	*7,993.82*	
		For Class 55 Rating, Add	*11,903.21*	
		For Class 56 Rating, Add	*15,759.56*	
40 05 19 00-3574	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,972.79	2,045.93
		For Class 52 Rating, Deduct	*-6,036.02*	
		For Class 54 Rating, Add	*8,268.13*	
		For Class 55 Rating, Add	*12,311.05*	
		For Class 56 Rating, Add	*16,299.10*	
40 05 19 00-3575	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,830.07	2,048.95
		For Class 52 Rating, Deduct	*-6,239.82*	
		For Class 54 Rating, Add	*8,546.10*	
		For Class 55 Rating, Add	*12,724.32*	
		For Class 56 Rating, Add	*16,845.82*	
40 05 19 00-3576	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,666.06	2,051.96
		For Class 52 Rating, Deduct	*-6,441.27*	
		For Class 54 Rating, Add	*8,820.86*	
		For Class 55 Rating, Add	*13,132.84*	
		For Class 56 Rating, Add	*17,386.25*	
40 05 19 00-3577	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,517.25	2,054.95
		For Class 52 Rating, Deduct	*-6,644.40*	
		For Class 54 Rating, Add	*9,097.91*	
		For Class 55 Rating, Add	*13,544.75*	
		For Class 56 Rating, Add	*17,931.17*	
40 05 19 00-3578	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,356.27	2,057.96
		For Class 52 Rating, Deduct	*-6,846.20*	
		For Class 54 Rating, Add	*9,373.14*	
		For Class 55 Rating, Add	*13,953.94*	
		For Class 56 Rating, Add	*18,472.51*	
40 05 19 00-3579	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,833.26	2,060.96
		For Class 52 Rating, Deduct	*-7,008.16*	
		For Class 54 Rating, Add	*9,594.06*	
		For Class 55 Rating, Add	*14,282.41*	
		For Class 56 Rating, Add	*18,907.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3580	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,046.49	2,063.98
		For Class 52 Rating, Deduct	*-7,251.12*	
		For Class 54 Rating, Add	*9,925.42*	
		For Class 55 Rating, Add	*14,775.05*	
		For Class 56 Rating, Add	*19,558.76*	
40 05 19 00-3581	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,879.42	2,066.97
		For Class 52 Rating, Deduct	*-7,452.24*	
		For Class 54 Rating, Add	*10,199.73*	
		For Class 55 Rating, Add	*15,182.89*	
		For Class 56 Rating, Add	*20,098.30*	
40 05 19 00-3582	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,733.65	2,069.98
		For Class 52 Rating, Deduct	*-7,655.71*	
		For Class 54 Rating, Add	*10,477.23*	
		For Class 55 Rating, Add	*15,595.47*	
		For Class 56 Rating, Add	*20,644.12*	
40 05 19 00-3583	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,569.63	2,072.98
		For Class 52 Rating, Deduct	*-7,857.16*	
		For Class 54 Rating, Add	*10,752.00*	
		For Class 55 Rating, Add	*16,003.99*	
		For Class 56 Rating, Add	*21,184.55*	
40 05 19 00-3584	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,426.92	2,075.99
		For Class 52 Rating, Deduct	*-8,060.96*	
		For Class 54 Rating, Add	*11,029.97*	
		For Class 55 Rating, Add	*16,417.26*	
		For Class 56 Rating, Add	*21,731.27*	
40 05 19 00-3585	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,259.85	2,078.98
		For Class 52 Rating, Deduct	*-8,262.08*	
		For Class 54 Rating, Add	*11,304.28*	
		For Class 55 Rating, Add	*16,825.10*	
		For Class 56 Rating, Add	*22,270.81*	

40 05 19 00-3586 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,238.23	2,484.57
		For Class 52 Rating, Deduct	*-1,812.11*	
		For Class 54 Rating, Add	*2,516.23*	
		For Class 55 Rating, Add	*3,763.99*	
		For Class 56 Rating, Add	*4,995.27*	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,877.36	2,487.58
		For Class 52 Rating, Deduct	*-2,101.91*	
		For Class 54 Rating, Add	*2,911.48*	
		For Class 55 Rating, Add	*4,351.61*	
		For Class 56 Rating, Add	*5,772.64*	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,525.63	2,490.58
		For Class 52 Rating, Deduct	*-2,392.72*	
		For Class 54 Rating, Add	*3,308.09*	
		For Class 55 Rating, Add	*4,941.27*	
		For Class 56 Rating, Add	*6,552.70*	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,201.26	2,493.59
		For Class 52 Rating, Deduct	*-2,686.54*	
		For Class 54 Rating, Add	*3,708.80*	
		For Class 55 Rating, Add	*5,537.03*	
		For Class 56 Rating, Add	*7,340.83*	
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,870.81	2,496.58
		For Class 52 Rating, Deduct	*-2,979.69*	
		For Class 54 Rating, Add	*4,108.61*	
		For Class 55 Rating, Add	*6,131.43*	
		For Class 56 Rating, Add	*8,127.17*	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,543.41	2,499.60
		For Class 52 Rating, Deduct	*-3,273.18*	
		For Class 54 Rating, Add	*4,508.87*	
		For Class 55 Rating, Add	*6,726.52*	
		For Class 56 Rating, Add	*8,914.41*	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,234.27	2,502.60
		For Class 52 Rating, Deduct	*-3,568.67*	
		For Class 54 Rating, Add	*4,911.87*	
		For Class 55 Rating, Add	*7,325.67*	
		For Class 56 Rating, Add	*9,707.03*	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,919.03	2,505.60
		For Class 52 Rating, Deduct	*-3,863.49*	
		For Class 54 Rating, Add	*5,313.96*	
		For Class 55 Rating, Add	*7,923.47*	
		For Class 56 Rating, Add	*10,497.85*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,597.71	2,508.60
		For Class 52 Rating, Deduct	*-4,157.65*	
		For Class 54 Rating, Add	*5,715.13*	
		For Class 55 Rating, Add	*8,519.91*	
		For Class 56 Rating, Add	*11,286.89*	
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,300.73	2,511.61
		For Class 52 Rating, Deduct	*-4,454.48*	
		For Class 54 Rating, Add	*6,119.95*	
		For Class 55 Rating, Add	*9,121.77*	
		For Class 56 Rating, Add	*12,083.10*	
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,991.58	2,514.63
		For Class 52 Rating, Deduct	*-4,749.97*	
		For Class 54 Rating, Add	*6,522.95*	
		For Class 55 Rating, Add	*9,720.93*	
		For Class 56 Rating, Add	*12,875.72*	
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,697.64	2,517.62
		For Class 52 Rating, Deduct	*-5,047.14*	
		For Class 54 Rating, Add	*6,928.23*	
		For Class 55 Rating, Add	*10,323.47*	
		For Class 56 Rating, Add	*13,672.83*	
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,385.45	2,520.63
		For Class 52 Rating, Deduct	*-5,342.30*	
		For Class 54 Rating, Add	*7,330.78*	
		For Class 55 Rating, Add	*10,921.95*	
		For Class 56 Rating, Add	*14,464.55*	
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,079.34	2,523.63
		For Class 52 Rating, Deduct	*-5,638.12*	
		For Class 54 Rating, Add	*7,734.23*	
		For Class 55 Rating, Add	*11,521.78*	
		For Class 56 Rating, Add	*15,258.07*	
40 05 19 00-3601	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,788.45	2,526.64
		For Class 52 Rating, Deduct	*-5,935.62*	
		For Class 54 Rating, Add	*8,139.97*	
		For Class 55 Rating, Add	*12,125.00*	
		For Class 56 Rating, Add	*16,056.08*	
40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,482.34	2,529.63
		For Class 52 Rating, Deduct	*-6,231.45*	
		For Class 54 Rating, Add	*8,543.43*	
		For Class 55 Rating, Add	*12,724.84*	
		For Class 56 Rating, Add	*16,849.60*	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,176.23	2,532.65
		For Class 52 Rating, Deduct	*-6,527.28*	
		For Class 54 Rating, Add	*8,946.88*	
		For Class 55 Rating, Add	*13,324.67*	
		For Class 56 Rating, Add	*17,643.12*	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,888.37	2,535.65
		For Class 52 Rating, Deduct	*-6,825.11*	
		For Class 54 Rating, Add	*9,353.07*	
		For Class 55 Rating, Add	*13,928.57*	
		For Class 56 Rating, Add	*18,442.02*	
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,585.32	2,538.65
		For Class 52 Rating, Deduct	*-7,121.28*	
		For Class 54 Rating, Add	*9,756.99*	
		For Class 55 Rating, Add	*14,529.08*	
		For Class 56 Rating, Add	*19,236.44*	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,279.21	2,541.65
		For Class 52 Rating, Deduct	*-7,417.10*	
		For Class 54 Rating, Add	*10,160.44*	
		For Class 55 Rating, Add	*15,128.91*	
		For Class 56 Rating, Add	*20,029.96*	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,997.44	2,544.66
		For Class 52 Rating, Deduct	*-7,715.61*	
		For Class 54 Rating, Add	*10,567.55*	
		For Class 55 Rating, Add	*15,734.17*	
		For Class 56 Rating, Add	*20,830.66*	
40 05 19 00-3608	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,697.40	2,547.67
		For Class 52 Rating, Deduct	*-8,012.10*	
		For Class 54 Rating, Add	*10,971.92*	
		For Class 55 Rating, Add	*16,335.36*	
		For Class 56 Rating, Add	*21,625.97*	
40 05 19 00-3609	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,394.33	2,550.67
		For Class 52 Rating, Deduct	*-8,308.27*	
		For Class 54 Rating, Add	*11,375.83*	
		For Class 55 Rating, Add	*16,935.87*	
		For Class 56 Rating, Add	*22,420.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3610	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,109.53	2,553.67
		For Class 52 Rating, Deduct	*-8,606.44*	
		For Class 54 Rating, Add	*11,782.48*	
		For Class 55 Rating, Add	*17,540.45*	
		For Class 56 Rating, Add	*23,220.19*	
40 05 19 00-3611	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,809.50	2,556.68
		For Class 52 Rating, Deduct	*-8,902.93*	
		For Class 54 Rating, Add	*12,186.85*	
		For Class 55 Rating, Add	*18,141.64*	
		For Class 56 Rating, Add	*24,015.50*	
40 05 19 00-3612	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,506.44	2,559.67
		For Class 52 Rating, Deduct	*-9,199.10*	
		For Class 54 Rating, Add	*12,590.76*	
		For Class 55 Rating, Add	*18,742.15*	
		For Class 56 Rating, Add	*24,809.92*	
40 05 19 00-3613	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	90,224.66	2,562.68
		For Class 52 Rating, Deduct	*-9,497.60*	
		For Class 54 Rating, Add	*12,997.87*	
		For Class 55 Rating, Add	*19,347.41*	
		For Class 56 Rating, Add	*25,610.62*	
40 05 19 00-3614	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	92,924.65	2,565.70
		For Class 52 Rating, Deduct	*-9,794.10*	
		For Class 54 Rating, Add	*13,402.23*	
		For Class 55 Rating, Add	*19,948.60*	
		For Class 56 Rating, Add	*26,405.93*	
40 05 19 00-3615	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	95,305.19	2,568.70
		For Class 52 Rating, Deduct	*-10,055.46*	
		For Class 54 Rating, Add	*13,758.69*	
		For Class 55 Rating, Add	*20,478.56*	
		For Class 56 Rating, Add	*27,107.01*	
40 05 19 00-3616	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	98,345.89	2,571.70
		For Class 52 Rating, Deduct	*-10,389.43*	
		For Class 54 Rating, Add	*14,214.17*	
		For Class 55 Rating, Add	*21,155.73*	
		For Class 56 Rating, Add	*28,002.84*	
40 05 19 00-3617	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	101,042.83	2,574.70
		For Class 52 Rating, Deduct	*-10,685.59*	
		For Class 54 Rating, Add	*14,618.08*	
		For Class 55 Rating, Add	*21,756.24*	
		For Class 56 Rating, Add	*28,797.26*	
40 05 19 00-3618	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	103,767.15	2,577.71
		For Class 52 Rating, Deduct	*-10,984.77*	
		For Class 54 Rating, Add	*15,026.10*	
		For Class 55 Rating, Add	*22,362.86*	
		For Class 56 Rating, Add	*29,599.75*	
40 05 19 00-3619	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	106,464.08	2,580.70
		For Class 52 Rating, Deduct	*-11,280.93*	
		For Class 54 Rating, Add	*15,430.01*	
		For Class 55 Rating, Add	*22,963.37*	
		For Class 56 Rating, Add	*30,394.17*	
40 05 19 00-3620	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	109,161.01	2,583.72
		For Class 52 Rating, Deduct	*-11,577.09*	
		For Class 54 Rating, Add	*15,833.92*	
		For Class 55 Rating, Add	*23,563.88*	
		For Class 56 Rating, Add	*31,188.59*	
40 05 19 00-3621	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	111,885.33	2,586.72
		For Class 52 Rating, Deduct	*-11,876.27*	
		For Class 54 Rating, Add	*16,241.94*	
		For Class 55 Rating, Add	*24,170.49*	
		For Class 56 Rating, Add	*31,991.08*	

40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3623	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	819.23	144.95
40 05 19 00-3624	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,199.58	185.36
40 05 19 00-3625	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,712.18	209.95
40 05 19 00-3626	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,445.68	266.17
40 05 19 00-3627	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,047.23	295.16
40 05 19 00-3628	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,737.53	320.64
40 05 19 00-3629	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,589.67	395.31
40 05 19 00-3630	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,757.53	474.37
40 05 19 00-3631	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,037.29	597.35
40 05 19 00-3632	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,470.93	676.41
40 05 19 00-3633	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,250.62	896.02
40 05 19 00-3634	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	24,099.37	1,014.62
40 05 19 00-3635	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	41,131.77	1,159.57
40 05 19 00-3636	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	54,413.60	1,423.10

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3637		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3638	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	780.60	144.95
40 05 19 00-3639	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,135.76	185.36
40 05 19 00-3640	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,554.30	209.95
40 05 19 00-3641	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,220.62	266.17
40 05 19 00-3642	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,756.66	295.16
40 05 19 00-3643	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,211.81	320.64
40 05 19 00-3644	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,948.06	395.31
40 05 19 00-3645	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,025.22	474.37
40 05 19 00-3646	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,320.10	597.35
40 05 19 00-3647	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,299.21	676.41
40 05 19 00-3648	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	15,865.99	896.02
40 05 19 00-3649	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	23,585.41	1,014.62
40 05 19 00-3650	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	35,659.64	1,159.57
40 05 19 00-3651	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	48,220.92	1,423.10
40 05 19 00-3652		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3653	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	778.92	144.95
40 05 19 00-3654	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,113.92	185.36
40 05 19 00-3655	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,540.86	209.95
40 05 19 00-3656	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,168.55	266.17
40 05 19 00-3657	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,872.55	295.16
40 05 19 00-3658	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,566.21	320.64
40 05 19 00-3659	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,028.68	395.31
40 05 19 00-3660	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,122.64	474.37
40 05 19 00-3661	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,738.32	597.35
40 05 19 00-3662	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,264.98	676.41
40 05 19 00-3663	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	16,037.31	896.02
40 05 19 00-3664	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	23,976.76	1,014.62
40 05 19 00-3665	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	36,440.65	1,159.57
40 05 19 00-3666	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	49,242.12	1,423.10
40 05 19 00-3667		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3668	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	844.42	144.95
40 05 19 00-3669	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,236.53	185.36
40 05 19 00-3670	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,591.25	209.95
40 05 19 00-3671	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,348.27	266.17
40 05 19 00-3672	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,206.79	295.16
40 05 19 00-3673	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,651.87	320.64
40 05 19 00-3674	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,389.80	395.31
40 05 19 00-3675	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,122.64	474.37
40 05 19 00-3676	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,738.32	597.35
40 05 19 00-3677	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,607.62	676.41
40 05 19 00-3678	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	16,205.27	896.02
40 05 19 00-3679	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	24,148.08	1,014.62
40 05 19 00-3680	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	36,620.37	1,159.57
40 05 19 00-3681	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	49,604.91	1,423.10
40 05 19 00-3682		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3683	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,167.29	165.15
40 05 19 00-3684	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,505.05	177.45
40 05 19 00-3685	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,634.76	197.66
40 05 19 00-3686	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,244.67	205.56
40 05 19 00-3687	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,287.04	225.77
40 05 19 00-3688	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,455.16	238.06
40 05 19 00-3689	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,680.86	240.69
40 05 19 00-3690	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,993.42	252.99
40 05 19 00-3691	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,135.11	281.10
40 05 19 00-3692	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,121.07	252.99
40 05 19 00-3693	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,384.93	265.29
40 05 19 00-3694	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,669.38	293.40
40 05 19 00-3695	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,987.62	308.34
40 05 19 00-3696	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,592.51	290.33
40 05 19 00-3697	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,807.65	302.63
40 05 19 00-3698	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,239.91	330.74
40 05 19 00-3699	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,559.16	345.23
40 05 19 00-3700	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,820.32	357.97
40 05 19 00-3701	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,171.40	329.86
40 05 19 00-3702	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,828.28	342.16
40 05 19 00-3703	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,916.21	370.27
40 05 19 00-3704	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,134.70	384.77
40 05 19 00-3705	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,496.62	397.50
40 05 19 00-3706	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,892.47	434.84
40 05 19 00-3707	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,215.22	391.35
40 05 19 00-3708	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,499.24	403.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3709	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,594.93	431.76
40 05 19 00-3710	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,794.93	446.26
40 05 19 00-3711	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,403.76	458.99
40 05 19 00-3712	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,218.47	496.33
40 05 19 00-3713	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,592.45	535.86
40 05 19 00-3714	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,211.69	430.88
40 05 19 00-3715	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,490.66	443.18
40 05 19 00-3716	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,956.52	471.29
40 05 19 00-3717	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,294.24	485.79
40 05 19 00-3718	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,945.07	498.53
40 05 19 00-3719	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,529.02	535.86
40 05 19 00-3720	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,693.06	575.39
40 05 19 00-3721	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,155.39	569.02
40 05 19 00-3722	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,253.15	595.60
40 05 19 00-3723	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,951.01	608.34
40 05 19 00-3724	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,661.98	645.66
40 05 19 00-3725	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,507.30	685.20
40 05 19 00-3726	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,092.76	746.69
40 05 19 00-3727	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,610.54	786.22
40 05 19 00-3728	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,349.52	805.98
40 05 19 00-3729	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,324.15	845.52
40 05 19 00-3730	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,451.25	955.33
40 05 19 00-3731	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,652.81	878.45
40 05 19 00-3732	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,419.82	917.99
40 05 19 00-3733	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,391.37	1,027.79
40 05 19 00-3734	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	46,222.01	1,087.09
40 05 19 00-3735	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	44,211.91	1,060.74
40 05 19 00-3736	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	48,059.97	1,170.54
40 05 19 00-3737	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	49,434.70	1,229.84
40 05 19 00-3738	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	61,325.23	1,302.31

40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	961.99	144.95
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,511.99	185.36
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,242.93	209.95
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,130.96	266.17
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,377.47	295.16
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,131.59	320.64
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,539.69	395.31
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,004.83	474.37
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,687.06	597.35
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,580.27	676.41
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	26,974.87	896.02
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	40,833.22	1,014.62
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	62,899.39	1,159.57

40 05 19 00-3753 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3754	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	2,012.62	165.15
40 05 19 00-3755	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,395.80	177.45
40 05 19 00-3756	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,204.34	197.66
40 05 19 00-3757	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,589.57	205.56
40 05 19 00-3758	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,966.99	225.77
40 05 19 00-3759	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	4,103.77	238.06
40 05 19 00-3760	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,298.75	240.69
40 05 19 00-3761	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,367.87	252.99
40 05 19 00-3762	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,410.47	281.10
40 05 19 00-3763	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,531.62	265.29
40 05 19 00-3764	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	12,139.62	293.40
40 05 19 00-3765	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,869.89	308.34
40 05 19 00-3766	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,651.93	302.63
40 05 19 00-3767	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,549.00	330.74
40 05 19 00-3768	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,507.85	345.23
40 05 19 00-3769	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,395.81	357.97
40 05 19 00-3770	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,322.48	384.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3771	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,425.33	397.50
40 05 19 00-3772	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	17,565.49	434.84
40 05 19 00-3773	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,665.93	458.99
40 05 19 00-3774	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	24,128.48	496.33
40 05 19 00-3775	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,594.34	535.86
40 05 19 00-3776	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	35,956.84	498.53
40 05 19 00-3777	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,741.76	535.86
40 05 19 00-3778	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,530.02	575.39
40 05 19 00-3779	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	29,414.76	569.02

40 05 19 00-3780 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base *(40 05 19 00-2073)*

40 05 19 00-3781	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,009.02	144.95
40 05 19 00-3782	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,419.61	185.36
40 05 19 00-3783	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,305.08	209.95
40 05 19 00-3784	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,083.93	266.17
40 05 19 00-3785	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,120.50	295.16
40 05 19 00-3786	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,884.69	320.64
40 05 19 00-3787	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,953.50	395.31
40 05 19 00-3788	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,373.31	474.37
40 05 19 00-3789	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,526.46	597.35
40 05 19 00-3790	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	13,369.92	676.41
40 05 19 00-3791	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	21,561.52	896.02
40 05 19 00-3792	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	30,686.76	1,014.62
40 05 19 00-3793	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	54,009.27	1,159.57
40 05 19 00-3794	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	60,606.29	1,423.10

40 05 19 00-3795 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees *(40 05 19 00-2073)*

40 05 19 00-3796	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,241.22	232.79
40 05 19 00-3797	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,606.27	286.37
40 05 19 00-3798	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,318.60	319.75
40 05 19 00-3799	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,278.29	415.51
40 05 19 00-3800	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,381.91	453.29
40 05 19 00-3801	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,869.88	487.54
40 05 19 00-3802	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,346.72	614.92
40 05 19 00-3803	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,880.62	702.77
40 05 19 00-3804	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,913.63	887.24
40 05 19 00-3805	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	14,600.06	979.48
40 05 19 00-3806	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	23,990.34	1,352.83
40 05 19 00-3807	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	33,908.88	1,550.48
40 05 19 00-3808	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	72,457.26	1,792.05

40 05 19 00-3809 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees *(40 05 19 00-2073)*

40 05 19 00-3810	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,651.99	260.02
40 05 19 00-3811	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,140.35	265.29
40 05 19 00-3812	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,106.95	298.67
40 05 19 00-3813	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,849.74	293.40
40 05 19 00-3814	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,777.71	326.78
40 05 19 00-3815	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,895.32	347.86
40 05 19 00-3816	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,636.59	308.34
40 05 19 00-3817	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,593.11	341.72
40 05 19 00-3818	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,749.34	362.80
40 05 19 00-3819	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,323.80	430.45
40 05 19 00-3820	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,205.50	320.64
40 05 19 00-3821	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,081.39	354.02
40 05 19 00-3822	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,261.14	375.10
40 05 19 00-3823	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,461.04	442.75
40 05 19 00-3824	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,741.53	466.02
40 05 19 00-3825	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,281.57	357.97
40 05 19 00-3826	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,285.76	391.35
40 05 19 00-3827	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,406.72	412.44
40 05 19 00-3828	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,527.05	480.07
40 05 19 00-3829	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,843.45	503.35
40 05 19 00-3830	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,979.56	524.88
40 05 19 00-3831	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,903.28	430.88
40 05 19 00-3832	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,951.39	451.96
40 05 19 00-3833	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,904.38	519.61
40 05 19 00-3834	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,524.79	542.89
40 05 19 00-3835	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,043.85	564.40
40 05 19 00-3836	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,474.21	654.45
40 05 19 00-3837	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,421.79	492.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3838	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,557.88	513.45
40 05 19 00-3839	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,819.92	581.10
40 05 19 00-3840	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,118.90	604.38
40 05 19 00-3841	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,203.56	625.90
40 05 19 00-3842	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,866.75	715.94
40 05 19 00-3843	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,044.10	764.26
40 05 19 00-3844	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,731.30	531.91
40 05 19 00-3845	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,109.25	552.99
40 05 19 00-3846	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,404.89	620.63
40 05 19 00-3847	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,531.90	643.91
40 05 19 00-3848	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,774.47	665.43
40 05 19 00-3849	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,050.29	755.47
40 05 19 00-3850	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,561.65	803.79
40 05 19 00-3851	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	16,018.04	858.92
40 05 19 00-3852	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,261.45	641.72
40 05 19 00-3853	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,348.82	662.80
40 05 19 00-3854	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,790.59	730.43
40 05 19 00-3855	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,825.86	753.72
40 05 19 00-3856	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,858.48	775.24
40 05 19 00-3857	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,994.90	865.28
40 05 19 00-3858	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,627.42	913.59
40 05 19 00-3859	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,631.71	1,036.58
40 05 19 00-3860	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,364.07	1,089.28
40 05 19 00-3861	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,667.21	918.42
40 05 19 00-3862	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,917.58	935.12
40 05 19 00-3863	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,045.55	983.00
40 05 19 00-3864	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,243.80	1,001.88
40 05 19 00-3865	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,326.85	1,019.01
40 05 19 00-3866	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,534.21	1,082.70
40 05 19 00-3867	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,659.54	1,126.62
40 05 19 00-3868	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,022.68	1,218.86
40 05 19 00-3869	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,603.16	1,264.98
40 05 19 00-3870	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	38,280.64	1,451.65
40 05 19 00-3871	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,038.35	885.48
40 05 19 00-3872	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,133.10	907.01
40 05 19 00-3873	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,387.11	997.05
40 05 19 00-3874	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,520.77	1,045.36
40 05 19 00-3875	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,947.29	1,168.35
40 05 19 00-3876	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,509.20	1,221.06
40 05 19 00-3877	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	54,491.66	1,484.59
40 05 19 00-3878	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	69,553.99	1,622.94
40 05 19 00-3879	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,462.37	1,028.23
40 05 19 00-3880	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,494.98	1,049.76
40 05 19 00-3881	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,809.45	1,139.80
40 05 19 00-3882	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,882.65	1,188.11
40 05 19 00-3883	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,309.17	1,311.09
40 05 19 00-3884	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,812.29	1,363.81
40 05 19 00-3885	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	59,053.07	1,627.34

40 05 19 00-3886 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-2073)*

40 05 19 00-3887	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,338.64	232.79
40 05 19 00-3888	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,890.12	286.37
40 05 19 00-3889	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,798.97	319.75
40 05 19 00-3890	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,188.63	415.51
40 05 19 00-3891	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,644.97	453.29
40 05 19 00-3892	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,362.00	487.54
40 05 19 00-3893	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,797.89	614.92
40 05 19 00-3894	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	9,424.17	702.77
40 05 19 00-3895	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	12,387.68	887.24
40 05 19 00-3896	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	17,828.25	979.48
40 05 19 00-3897	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	29,526.31	1,352.83
40 05 19 00-3898	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	42,038.15	1,550.48

40 05 19 00-3899 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-2073)*

40 05 19 00-3900	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,095.09	232.79
40 05 19 00-3901	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,594.51	286.37
40 05 19 00-3902	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,357.23	319.75
40 05 19 00-3903	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	3,106.97	415.51
40 05 19 00-3904	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,694.32	453.29
40 05 19 00-3905	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	6,283.06	487.54

40 05 19 00-3906 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-2073)*

40 05 19 00-3907	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,407.92	320.64
40 05 19 00-3908	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,979.25	347.43
40 05 19 00-3909	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,056.62	387.40
40 05 19 00-3910	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,553.94	353.13
40 05 19 00-3911	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,725.27	399.70
40 05 19 00-3912	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,785.63	429.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3913	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,354.03	381.26
40 05 19 00-3914	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,621.08	427.81
40 05 19 00-3915	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,911.56	457.67
40 05 19 00-3916	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,707.15	564.85
40 05 19 00-3917	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,383.76	395.74
40 05 19 00-3918	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,551.72	442.30
40 05 19 00-3919	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,842.19	472.17
40 05 19 00-3920	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,688.16	579.34
40 05 19 00-3921	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,337.01	611.41
40 05 19 00-3922	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,479.67	455.04
40 05 19 00-3923	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,770.15	484.91
40 05 19 00-3924	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,271.82	592.08
40 05 19 00-3925	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,763.80	624.15
40 05 19 00-3926	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,051.59	654.45
40 05 19 00-3927	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,538.96	492.37
40 05 19 00-3928	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,876.46	522.24
40 05 19 00-3929	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,379.81	629.42
40 05 19 00-3930	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,918.83	661.47
40 05 19 00-3931	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,851.99	691.78
40 05 19 00-3932	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,768.89	834.53
40 05 19 00-3933	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,872.63	531.91
40 05 19 00-3934	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,210.14	561.77
40 05 19 00-3935	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,616.06	668.94
40 05 19 00-3936	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,155.08	701.01
40 05 19 00-3937	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,274.27	731.32
40 05 19 00-3938	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,932.29	874.07
40 05 19 00-3939	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,309.38	931.16
40 05 19 00-3940	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,838.55	593.40
40 05 19 00-3941	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,199.57	623.26
40 05 19 00-3942	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,571.90	730.43
40 05 19 00-3943	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,146.20	762.50
40 05 19 00-3944	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,299.61	792.81
40 05 19 00-3945	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,304.68	935.56
40 05 19 00-3946	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,705.28	992.65
40 05 19 00-3947	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,722.13	1,177.14
40 05 19 00-3948	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,673.15	632.93
40 05 19 00-3949	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,931.71	662.80
40 05 19 00-3950	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,460.25	769.97
40 05 19 00-3951	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,824.60	802.04
40 05 19 00-3952	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,028.39	832.33
40 05 19 00-3953	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,612.51	975.08
40 05 19 00-3954	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,436.14	1,032.19
40 05 19 00-3955	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,294.75	1,148.81
40 05 19 00-3956	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,970.40	1,282.55
40 05 19 00-3957	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,910.29	911.84
40 05 19 00-3958	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,011.63	942.14
40 05 19 00-3959	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,620.94	1,084.89
40 05 19 00-3960	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,823.34	1,141.99
40 05 19 00-3961	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,720.95	1,326.47
40 05 19 00-3962	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,304.02	1,392.35
40 05 19 00-3963	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,810.05	1,809.62
40 05 19 00-3964	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,269.43	1,160.00
40 05 19 00-3965	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,308.69	1,185.92
40 05 19 00-3966	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,827.69	1,302.31
40 05 19 00-3967	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,018.40	1,355.02
40 05 19 00-3968	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,758.57	1,508.75
40 05 19 00-3969	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,750.34	1,568.05
40 05 19 00-3970	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,355.46	1,908.44
40 05 19 00-3971	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	46,234.46	2,086.33
40 05 19 00-3972	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,557.98	1,216.66
40 05 19 00-3973	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,706.64	1,273.77
40 05 19 00-3974	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,560.56	1,458.24
40 05 19 00-3975	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,617.77	1,524.12
40 05 19 00-3976	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	58,749.56	1,941.39
40 05 19 00-3977	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	79,926.18	2,158.81
40 05 19 00-3978	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,317.15	1,600.99
40 05 19 00-3979	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	60,374.34	1,666.87
40 05 19 00-3980	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	62,729.84	2,084.13

40 05 19 00-3981 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-2073)*

40 05 19 00-3982	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,001.01	165.15
40 05 19 00-3983	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,330.37	177.45
40 05 19 00-3984	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,414.73	197.66
40 05 19 00-3985	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,772.70	205.56
40 05 19 00-3986	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,766.36	225.77
40 05 19 00-3987	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,983.19	238.06
40 05 19 00-3988	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,260.58	220.49
40 05 19 00-3989	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,296.23	240.69
40 05 19 00-3990	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,457.63	252.99
40 05 19 00-3991	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,671.55	281.10
40 05 19 00-3992	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,780.11	252.99
40 05 19 00-3993	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,995.26	265.29
40 05 19 00-3994	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,205.81	293.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3995	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,114.23	308.34
40 05 19 00-3996	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,301.94	290.33
40 05 19 00-3997	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,149.25	302.63
40 05 19 00-3998	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,401.79	330.74
40 05 19 00-3999	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,806.70	345.23
40 05 19 00-4000	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,281.17	357.97
40 05 19 00-4001	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,995.20	342.16
40 05 19 00-4002	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,283.00	370.27
40 05 19 00-4003	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,242.83	384.77
40 05 19 00-4004	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,762.64	397.50
40 05 19 00-4005	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,716.75	434.84
40 05 19 00-4006	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,867.71	403.65
40 05 19 00-4007	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,172.30	431.76
40 05 19 00-4008	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,049.83	446.26
40 05 19 00-4009	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,688.89	458.99
40 05 19 00-4010	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,354.11	496.33
40 05 19 00-4011	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,386.49	535.86
40 05 19 00-4012	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,046.17	471.29
40 05 19 00-4013	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,614.00	485.79
40 05 19 00-4014	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,774.39	498.53
40 05 19 00-4015	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,957.56	535.86
40 05 19 00-4016	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,166.30	575.39
40 05 19 00-4017	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,576.56	569.02
40 05 19 00-4018	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,653.82	645.66
40 05 19 00-4019	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,054.68	685.20
40 05 19 00-4020	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,824.73	746.69
40 05 19 00-4021	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,009.95	786.22
40 05 19 00-4022	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,500.28	704.96
40 05 19 00-4023	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,738.22	744.49
40 05 19 00-4024	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,775.33	805.98
40 05 19 00-4025	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,703.57	845.52
40 05 19 00-4026	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,241.54	955.33
40 05 19 00-4027	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,911.37	917.99
40 05 19 00-4028	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	28,964.98	1,027.79
40 05 19 00-4029	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	32,481.21	1,087.09
40 05 19 00-4030	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	34,314.03	1,060.74
40 05 19 00-4031	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	36,351.48	1,170.54
40 05 19 00-4032	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	40,349.74	1,229.84
40 05 19 00-4033	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	44,910.49	1,302.31

40 05 19 00-4034 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-2073)*

40 05 19 00-4035	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,069.87	165.15
40 05 19 00-4036	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,409.31	177.45
40 05 19 00-4037	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,535.67	197.66
40 05 19 00-4038	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,772.70	205.56
40 05 19 00-4039	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,850.34	225.77
40 05 19 00-4040	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,063.81	238.06
40 05 19 00-4041	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,260.58	220.49
40 05 19 00-4042	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,390.29	240.69
40 05 19 00-4043	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,555.04	252.99
40 05 19 00-4044	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,841.18	281.10
40 05 19 00-4045	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,780.11	252.99
40 05 19 00-4046	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,944.87	265.29
40 05 19 00-4047	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,182.30	293.40
40 05 19 00-4048	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,547.57	308.34
40 05 19 00-4049	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,301.94	290.33
40 05 19 00-4050	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,513.72	302.63
40 05 19 00-4051	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,803.21	330.74
40 05 19 00-4052	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,117.42	345.23
40 05 19 00-4053	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,281.17	357.97
40 05 19 00-4054	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,995.20	342.16
40 05 19 00-4055	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,283.00	370.27
40 05 19 00-4056	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,595.54	384.77
40 05 19 00-4057	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,762.64	397.50
40 05 19 00-4058	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,111.46	434.84
40 05 19 00-4059	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,129.72	403.65
40 05 19 00-4060	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,357.06	431.76
40 05 19 00-4061	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,563.79	446.26
40 05 19 00-4062	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,688.89	458.99
40 05 19 00-4063	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,111.61	496.33
40 05 19 00-4064	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,381.45	535.86
40 05 19 00-4065	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,235.36	443.18
40 05 19 00-4066	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,167.10	471.29
40 05 19 00-4067	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,294.88	485.79
40 05 19 00-4068	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,418.31	498.53
40 05 19 00-4069	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,842.71	535.86
40 05 19 00-4070	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,166.30	575.39
40 05 19 00-4071	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,576.56	569.02
40 05 19 00-4072	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,380.34	608.34
40 05 19 00-4073	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,403.96	645.66
40 05 19 00-4074	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,110.10	685.20
40 05 19 00-4075	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,824.73	746.69
40 05 19 00-4076	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,009.95	786.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4077	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,519.40	704.96
40 05 19 00-4078	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,160.44	744.49
40 05 19 00-4079	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	17,098.45	805.98
40 05 19 00-4080	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,644.78	845.52
40 05 19 00-4081	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,538.83	955.33
40 05 19 00-4082	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,911.37	917.99
40 05 19 00-4083	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	28,964.98	1,027.79
40 05 19 00-4084	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	32,481.21	1,087.09
40 05 19 00-4085	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	36,351.48	1,170.54
40 05 19 00-4086	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	40,349.74	1,229.84
40 05 19 00-4087	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	44,910.49	1,302.31

40 05 19 00-4088 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-2073)*

40 05 19 00-4089	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	494.66	57.10
40 05 19 00-4090	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	752.59	84.33
40 05 19 00-4091	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,004.97	100.14
40 05 19 00-4092	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,461.92	116.84
40 05 19 00-4093	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,937.62	137.04
40 05 19 00-4094	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,670.03	153.73
40 05 19 00-4095	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,225.66	175.69
40 05 19 00-4096	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,341.57	245.96
40 05 19 00-4097	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	5,828.81	307.46
40 05 19 00-4098	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	8,545.45	373.34
40 05 19 00-4099	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	12,387.49	434.84
40 05 19 00-4100	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	23,232.04	478.76
40 05 19 00-4101	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	33,312.30	527.08
40 05 19 00-4102	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	44,410.14	592.96

40 05 19 00-4103 Ductile Iron Bolt Packs *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4104	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.	37.51
		For Zinc Plated, Add	*10.50*
		For Hot Dip Galvanized, Add	*15.00*
40 05 19 00-4105	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	57.88
		For Zinc Plated, Add	*16.21*
		For Hot Dip Galvanized, Add	*23.15*
40 05 19 00-4106	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	62.85
		For Zinc Plated, Add	*17.60*
		For Hot Dip Galvanized, Add	*25.14*
40 05 19 00-4107	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	141.17
		For Zinc Plated, Add	*39.53*
		For Hot Dip Galvanized, Add	*56.47*
40 05 19 00-4108	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	142.41
		For Zinc Plated, Add	*39.87*
		For Hot Dip Galvanized, Add	*56.96*
40 05 19 00-4109	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.	159.55
		For Zinc Plated, Add	*44.67*
		For Hot Dip Galvanized, Add	*63.82*
40 05 19 00-4110	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.	268.23
		For Zinc Plated, Add	*75.10*
		For Hot Dip Galvanized, Add	*107.29*
40 05 19 00-4111	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.	389.66
		For Zinc Plated, Add	*109.10*
		For Hot Dip Galvanized, Add	*155.86*
40 05 19 00-4112	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.	492.00
		For Zinc Plated, Add	*137.76*
		For Hot Dip Galvanized, Add	*196.80*
40 05 19 00-4113	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.	703.96
		For Zinc Plated, Add	*197.11*
		For Hot Dip Galvanized, Add	*281.58*
40 05 19 00-4114	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.	1,112.37
		For Zinc Plated, Add	*311.46*
		For Hot Dip Galvanized, Add	*444.95*
40 05 19 00-4115	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	1,586.82
		For Zinc Plated, Add	*444.31*
		For Hot Dip Galvanized, Add	*634.73*
40 05 19 00-4116	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.	2,041.39
		For Zinc Plated, Add	*571.59*
		For Hot Dip Galvanized, Add	*816.56*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4117	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.	2,495.03	
		For Zinc Plated, Add	*698.61*	
		For Hot Dip Galvanized, Add	*998.01*	

40 05 19 00-4118 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4119 Full Face Flange Styrene Butadiene (SBR) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4120	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	8.24
40 05 19 00-4121	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.48
40 05 19 00-4122	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	14.23
40 05 19 00-4123	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	16.47
40 05 19 00-4124	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	17.97
40 05 19 00-4125	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.95
40 05 19 00-4126	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	36.69
40 05 19 00-4127	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	38.94
40 05 19 00-4128	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	59.90
40 05 19 00-4129	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	64.39
40 05 19 00-4130	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	83.11
40 05 19 00-4131	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	95.09
40 05 19 00-4132	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	101.83
40 05 19 00-4133	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	111.56

40 05 19 00-4134 Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-4118)*

Note: (Acrylonitrile Butadiene)

40 05 19 00-4135	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	25.46
40 05 19 00-4136	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	35.94
40 05 19 00-4137	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	55.41
40 05 19 00-4138	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	60.65
40 05 19 00-4139	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	65.14
40 05 19 00-4140	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	122.80
40 05 19 00-4141	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	151.25
40 05 19 00-4142	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	152.00
40 05 19 00-4143	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	157.99
40 05 19 00-4144	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	166.97
40 05 19 00-4145	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	184.94
40 05 19 00-4146	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	203.66
40 05 19 00-4147	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	289.77
40 05 19 00-4148	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	316.72

40 05 19 00-4149 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4150	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	22.46
40 05 19 00-4151	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.20
40 05 19 00-4152	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	39.68
40 05 19 00-4153	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	46.42
40 05 19 00-4154	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	51.66
40 05 19 00-4155	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	85.36
40 05 19 00-4156	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	102.58
40 05 19 00-4157	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	103.33
40 05 19 00-4158	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	105.57
40 05 19 00-4159	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	122.80
40 05 19 00-4160	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	150.50
40 05 19 00-4161	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	171.46
40 05 19 00-4162	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	245.59
40 05 19 00-4163	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	271.05

40 05 19 00-4164 Full Face Flange Neoprene Gaskets *(40 05 19 00-4118)*

Note: (Polychloroprene)

40 05 19 00-4165	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	26.21
40 05 19 00-4166	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	36.69
40 05 19 00-4167	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	56.16
40 05 19 00-4168	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	60.65
40 05 19 00-4169	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	65.14
40 05 19 00-4170	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	86.86
40 05 19 00-4171	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	152.74
40 05 19 00-4172	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	153.49
40 05 19 00-4173	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	162.48
40 05 19 00-4174	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	164.72
40 05 19 00-4175	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	178.95
40 05 19 00-4176	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	201.41
40 05 19 00-4177	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	292.01
40 05 19 00-4178	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	319.72

40 05 19 00-4179 Full Face Flange FKM Gaskets *(40 05 19 00-4118)*

Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4180	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	141.16
40 05 19 00-4181	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	210.18
40 05 19 00-4182	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	280.76
40 05 19 00-4183	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	338.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4184	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	440.75	
40 05 19 00-4185	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	806.21	
40 05 19 00-4186	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	923.85	
40 05 19 00-4187	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	967.76	
40 05 19 00-4188	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	1,032.07	
40 05 19 00-4189	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	1,427.34	
40 05 19 00-4190	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	1,711.23	
40 05 19 00-4191	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	1,805.34	
40 05 19 00-4192	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	2,250.80	
40 05 19 00-4193	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	2,359.02	

40 05 19 00-4194 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*

40 05 19 00-4195	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	417.01	78.32
40 05 19 00-4196	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	578.74	95.61
40 05 19 00-4197	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	857.20	116.61
40 05 19 00-4198	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,177.67	142.25
40 05 19 00-4199	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,495.27	173.47
40 05 19 00-4200	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,403.68	211.64
40 05 19 00-4201	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,781.69	258.28
40 05 19 00-4202	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,903.72	315.02
40 05 19 00-4203	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,782.71	384.41
40 05 19 00-4204	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,328.06	468.87
40 05 19 00-4205	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,867.42	572.15
40 05 19 00-4206	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	10,212.50	697.92
40 05 19 00-4207	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	26,643.54	851.54
40 05 19 00-4208	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	34,033.32	1,038.82

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe *(40 05 23)*

40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 Lb. Screwed Fittings Assembly *(40 05 23 23)*

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.

40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	32.40	10.63
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*2.87*	
		For Work In Restricted Working Space, Add	*6.41*	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	36.95	12.19
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.01*	
		For Work In Restricted Working Space, Add	*7.62*	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	43.01	13.75
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.52*	
		For Work In Restricted Working Space, Add	*8.84*	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	48.82	16.60
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*4.45*	
		For Work In Restricted Working Space, Add	*9.52*	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	53.59	17.08
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.09*	
		For Work In Restricted Working Space, Add	*10.20*	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	64.85	22.58
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*6.21*	
		For Work In Restricted Working Space, Add	*12.29*	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	91.81	27.83
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*10.68*	
		For Work In Restricted Working Space, Add	*15.22*	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	115.57	32.25
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*13.91*	
		For Work In Restricted Working Space, Add	*18.62*	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	155.78	32.25
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*23.63*	

40 05 23 23-0011 Stainless Steel Tubing And Fittings *(40 05 23 23)*

40 05 23 23-0012 Type 304 Tubing *(40 05 23 23-0011)*

40 05 23 23-0013 0.035" Wall *(40 05 23 23-0012)*

40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	9.06	3.50
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	10.55	4.16
		For Work In Restricted Working Space, Add	*2.50*	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	12.57	4.93
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	19.73	5.58
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	23.29	6.23
		For Work In Restricted Working Space, Add	*3.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	25.78	7.01
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	29.00	8.43
		For Work In Restricted Working Space, Add	*5.03*	

40 05 23 23-0021 0.049" Wall *(40 05 23 23-0012)*

40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	14.58	4.16
		For Work In Restricted Working Space, Add	*2.50*	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	16.32	4.93
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	19.54	5.58
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	24.70	7.01
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	28.39	8.43
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	32.00	9.73
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	36.87	11.03
		For Work In Restricted Working Space, Add	*6.65*	

40 05 23 23-0029 0.065" Wall *(40 05 23 23-0012)*

40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	17.03	4.93
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	19.59	5.58
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	24.18	7.01
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	28.48	8.43
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	33.55	9.73
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	38.51	11.03
		For Work In Restricted Working Space, Add	*6.65*	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	43.40	12.46
		For Work In Restricted Working Space, Add	*7.49*	

40 05 23 23-0037 Type 304 Tube Fittings *(40 05 23 23-0011)*

40 05 23 23-0038 90 Degree Elbows *(40 05 23 23-0037)*

40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	54.45	14.01
		For Work In Restricted Working Space, Add	*8.37*	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	64.00	15.31
		For Work In Restricted Working Space, Add	*9.16*	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	94.61	17.26
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	101.34	19.33
		For Work In Restricted Working Space, Add	*11.62*	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	113.12	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	152.80	23.23
		For Work In Restricted Working Space, Add	*13.91*	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow	193.98	27.64
		For Work In Restricted Working Space, Add	*16.57*	

40 05 23 23-0046 Union Tees *(40 05 23 23-0037)*

40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee	86.00	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee	103.61	23.23
		For Work In Restricted Working Space, Add	*13.91*	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee	139.75	25.96
		For Work In Restricted Working Space, Add	*15.57*	
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	150.86	29.46
		For Work In Restricted Working Space, Add	*17.69*	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	190.81	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	298.33	35.04
		For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee	357.49	41.91
		For Work In Restricted Working Space, Add	*25.12*	

40 05 23 23-0054 Unions *(40 05 23 23-0037)*

40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union	82.48	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union	105.59	23.23
		For Work In Restricted Working Space, Add	*13.91*	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union	141.05	25.96
		For Work In Restricted Working Space, Add	*15.57*	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union	171.26	29.46
		For Work In Restricted Working Space, Add	*17.69*	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union	203.22	31.66
		For Work In Restricted Working Space, Add	*18.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0060	EA	7/8", Type 304, Stainless Steel, Union	308.24	35.04
		For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0061	EA	1", Type 304, Stainless Steel, Union	329.43	41.91
		For Work In Restricted Working Space, Add	*25.12*	

40 05 23 23-0062 Male Connectors *(40 05 23 23-0037)*

40 05 23 23-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	41.88	14.01
		For Work In Restricted Working Space, Add	*8.37*	
40 05 23 23-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	51.64	15.31
		For Work In Restricted Working Space, Add	*9.16*	
40 05 23 23-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	66.18	17.26
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 23-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	74.54	19.33
		For Work In Restricted Working Space, Add	*11.62*	
40 05 23 23-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	89.30	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	131.91	23.23
		For Work In Restricted Working Space, Add	*13.91*	
40 05 23 23-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	139.18	27.64
		For Work In Restricted Working Space, Add	*16.57*	

40 05 23 23-0070 Type 304 Valves *(40 05 23 23-0011)*

40 05 23 23-0071 Gate Valves *(40 05 23 23-0070)*

40 05 23 23-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	235.14	20.90
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	395.65	24.53
		For Work In Restricted Working Space, Add	*11.93*	
40 05 23 23-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	411.09	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	455.76	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0076	EA	1" Gate Valve, Stainless Steel Type 304	419.00	41.91
		For Work In Restricted Working Space, Add	*25.12*	

40 05 23 23-0077 Globe Valves *(40 05 23 23-0070)*

40 05 23 23-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	238.37	20.90
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	157.84	24.53
		For Work In Restricted Working Space, Add	*11.93*	
40 05 23 23-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	283.18	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	315.28	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0082	EA	1" Globe Valve, Stainless Steel Type 304	459.71	41.91
		For Work In Restricted Working Space, Add	*25.12*	

40 05 23 23-0083 Check Valves *(40 05 23 23-0070)*

40 05 23 23-0084	EA	1/4" Check Valve, Stainless Steel Type 304	333.40	20.90
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0085	EA	3/8" Check Valve, Stainless Steel Type 304	335.40	24.53
		For Work In Restricted Working Space, Add	*11.93*	
40 05 23 23-0086	EA	1/2" Check Valve, Stainless Steel Type 304	220.46	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0087	EA	3/4" Check Valve, Stainless Steel Type 304	230.94	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0088	EA	1" Check Valve, Stainless Steel Type 304	256.15	41.91
		For Work In Restricted Working Space, Add	*25.12*	

40 05 23 23-0089 Plug Valves *(40 05 23 23-0070)*

40 05 23 23-0090	EA	1/2" Plug Valve, Stainless Steel Type 304	515.61	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0091	EA	3/4" Plug Valve, Stainless Steel Type 304	564.61	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0092	EA	1" Plug Valve, Stainless Steel Type 304	639.59	41.91
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304	887.79	47.37
		For Work In Restricted Working Space, Add	*28.42*	
40 05 23 23-0094	EA	2" Plug Valve, Stainless Steel Type 304	1,156.24	64.88
		For Work In Restricted Working Space, Add	*38.93*	

40 05 23 23-0095 Type 316 Tubing *(40 05 23 23-0011)*

40 05 23 23-0096 0.035" Wall *(40 05 23 23-0095)*

40 05 23 23-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	9.38	3.50
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 23-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	12.12	4.16
		For Work In Restricted Working Space, Add	*2.50*	
40 05 23 23-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	13.53	4.93
		For Work In Restricted Working Space, Add	*2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	22.27	5.58
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 23-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	25.26	6.23
		For Work In Restricted Working Space, Add	*3.76*	
40 05 23 23-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	31.83	7.01
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall	33.69	8.43
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0104		**0.049" Wall** *(40 05 23 23-0095)*		
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	15.94	4.16
		For Work In Restricted Working Space, Add	*2.50*	
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	17.75	4.93
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	20.88	5.58
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	27.16	7.01
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	31.45	8.43
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	39.88	9.73
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall	41.01	11.03
		For Work In Restricted Working Space, Add	*6.65*	
40 05 23 23-0112		**0.065" Wall** *(40 05 23 23-0095)*		
40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	18.64	4.93
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	20.83	5.58
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	26.12	7.01
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	31.15	8.43
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	37.65	9.73
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	41.55	11.03
		For Work In Restricted Working Space, Add	*6.65*	
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	48.30	12.46
		For Work In Restricted Working Space, Add	*7.49*	
40 05 23 23-0120		**Type 316 Tube Fittings** *(40 05 23 23-0011)*		
40 05 23 23-0121		**90 Degree Elbows** *(40 05 23 23-0120)*		
40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	73.61	14.01
		For Work In Restricted Working Space, Add	*8.37*	
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	88.17	15.31
		For Work In Restricted Working Space, Add	*9.16*	
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	137.93	17.26
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	146.54	19.33
		For Work In Restricted Working Space, Add	*11.62*	
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	164.56	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	229.66	23.23
		For Work In Restricted Working Space, Add	*13.91*	
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	294.16	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0129		**Union Tees** *(40 05 23 23-0120)*		
40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316	117.87	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316	144.96	23.23
		For Work In Restricted Working Space, Add	*13.91*	
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316	203.18	25.96
		For Work In Restricted Working Space, Add	*15.57*	
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316	217.20	29.46
		For Work In Restricted Working Space, Add	*17.69*	
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316	282.87	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316	463.08	35.04
		For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316	555.15	41.91
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0137		**Unions** *(40 05 23 23-0120)*		
40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316	77.63	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316	98.51	23.23
		For Work In Restricted Working Space, Add	*13.91*	
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316	130.40	25.96
		For Work In Restricted Working Space, Add	*15.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316	157.84	29.46
		For Work In Restricted Working Space, Add	*17.69*	
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316	186.50	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316	279.78	35.04
		For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316	300.06	41.91
		For Work In Restricted Working Space, Add	*25.12*	

40 05 23 23-0145 Male Connectors *(40 05 23 23-0120)*

40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	51.75	14.01
		For Work In Restricted Working Space, Add	*8.37*	
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	66.56	15.31
		For Work In Restricted Working Space, Add	*9.16*	
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	88.50	17.26
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	99.84	19.33
		For Work In Restricted Working Space, Add	*11.62*	
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	122.83	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	192.40	23.23
		For Work In Restricted Working Space, Add	*13.91*	
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	198.54	27.64
		For Work In Restricted Working Space, Add	*16.57*	

40 05 23 23-0153 Type 316 Valves *(40 05 23 23-0011)*

40 05 23 23-0154 Gate Valves *(40 05 23 23-0153)*

40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	298.86	20.90
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	510.55	24.53
		For Work In Restricted Working Space, Add	*11.93*	
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	525.99	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	582.48	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316	527.25	41.91
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	724.38	43.47
		For Work In Restricted Working Space, Add	*26.08*	
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	1,163.94	47.37
		For Work In Restricted Working Space, Add	*28.42*	
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316	1,384.32	64.88
		For Work In Restricted Working Space, Add	*38.93*	
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	2,054.85	207.75
		For Work In Restricted Working Space, Add	*124.61*	

40 05 23 23-0164 Globe Valves *(40 05 23 23-0153)*

40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	303.14	20.90
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	195.97	24.53
		For Work In Restricted Working Space, Add	*11.93*	
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	356.79	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	396.64	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316	581.10	41.91
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	725.80	43.21
		For Work In Restricted Working Space, Add	*25.89*	
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	1,206.71	47.37
		For Work In Restricted Working Space, Add	*28.42*	
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316	1,427.09	64.88
		For Work In Restricted Working Space, Add	*38.93*	
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,783.98	207.75
		For Work In Restricted Working Space, Add	*124.61*	

40 05 23 23-0174 Check Valves *(40 05 23 23-0153)*

40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316	428.84	20.90
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316	430.84	24.53
		For Work In Restricted Working Space, Add	*11.93*	
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316	273.82	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316	285.06	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316	311.82	41.91
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	431.66	43.47
		For Work In Restricted Working Space, Add	*26.08*	
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	964.35	47.37
		For Work In Restricted Working Space, Add	*28.42*	
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316	1,170.48	64.88
		For Work In Restricted Working Space, Add	*38.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	2,316.21	207.75
		For Work In Restricted Working Space, Add	*124.61*	

40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined *(40 05 23 23-0153)*

40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	460.50	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	537.97	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	686.08	41.91
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,094.03	47.37
		For Work In Restricted Working Space, Add	*28.42*	
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,528.81	64.88
		For Work In Restricted Working Space, Add	*38.93*	

40 05 23 23-0190 Diaphragm Valves, Teflon Lined *(40 05 23 23-0153)*

40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	610.39	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	701.75	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	849.86	41.91
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,324.42	47.37
		For Work In Restricted Working Space, Add	*28.42*	
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,803.61	64.88
		For Work In Restricted Working Space, Add	*38.93*	

40 05 23 23-0196 Strainers *(40 05 23 23-0153)*

40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316	611.84	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316	732.28	31.80
		For Work In Restricted Working Space, Add	*19.08*	
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316	958.10	42.17
		For Work In Restricted Working Space, Add	*25.31*	
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	1,190.11	43.47
		For Work In Restricted Working Space, Add	*26.09*	
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,494.12	47.37
		For Work In Restricted Working Space, Add	*28.42*	
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316	2,154.89	64.88
		For Work In Restricted Working Space, Add	*38.93*	
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	2,961.55	86.30
		For Work In Restricted Working Space, Add	*51.78*	
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316	4,312.63	129.77
		For Work In Restricted Working Space, Add	*77.86*	
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316	5,518.22	207.62
		For Work In Restricted Working Space, Add	*124.57*	

40 05 23 23-0206 Plug Valves *(40 05 23 23-0153)*

40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	652.07	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	713.20	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316	804.36	41.91
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	1,122.87	47.37
		For Work In Restricted Working Space, Add	*28.42*	
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316	1,460.50	64.88
		For Work In Restricted Working Space, Add	*38.93*	

40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place *(40 05 23 23-0011)*

Note: For use when connecting pipe to an existing in-place system.

40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	25.95
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	28.02
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	31.52
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	33.08
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	35.02
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	37.61
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	40.22
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	44.10
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	47.99
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	51.89
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	55.78
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	60.97
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	66.15
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	71.35
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	76.53
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	80.43
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	84.31
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	89.51

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0231		Stainless Steel Pipe And Fittings *(40 05 23 23)*		
40 05 23 23-0232		Type 304, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings *(40 05 23 23-0231)*		
40 05 23 23-0233		Type 304, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0232)*		
40 05 23 23-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	16.57	5.58
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 23-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	20.47	7.01
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	25.04	8.43
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	29.88	9.73
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	34.43	11.03
		For Work In Restricted Working Space, Add	*6.65*	
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	43.85	14.01
		For Work In Restricted Working Space, Add	*8.37*	
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	57.88	16.61
		For Work In Restricted Working Space, Add	*9.98*	
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	72.76	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	98.00	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0243		150#, Type 304 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0232)*		
40 05 23 23-0244	EA	1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	45.19	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0245	EA	3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	59.98	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	77.08	35.04
		For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	107.97	48.01
		For Work In Restricted Working Space, Add	*28.84*	
40 05 23 23-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	128.62	56.44
		For Work In Restricted Working Space, Add	*33.85*	
40 05 23 23-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	156.62	68.26
		For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	261.90	108.10
		For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	337.17	139.50
		For Work In Restricted Working Space, Add	*83.72*	
40 05 23 23-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	459.44	172.98
		For Work In Restricted Working Space, Add	*103.81*	
40 05 23 23-0253		150#, Type 304 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0232)*		
40 05 23 23-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	45.96	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	61.22	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	77.47	35.04
		For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	107.82	48.01
		For Work In Restricted Working Space, Add	*28.84*	
40 05 23 23-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	126.79	56.44
		For Work In Restricted Working Space, Add	*33.85*	
40 05 23 23-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	156.20	68.26
		For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	270.21	108.10
		For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	353.38	139.50
		For Work In Restricted Working Space, Add	*83.72*	
40 05 23 23-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	478.32	172.98
		For Work In Restricted Working Space, Add	*103.81*	
40 05 23 23-0263		150#, Type 304 Stainless Steel Threaded Tees *(40 05 23 23-0232)*		
40 05 23 23-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee	67.83	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee	90.90	41.91
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee	112.95	51.91
		For Work In Restricted Working Space, Add	*31.14*	
40 05 23 23-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee	162.35	72.15
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee	184.81	81.10
		For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee	245.30	108.10
		For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee	374.92	156.37
		For Work In Restricted Working Space, Add	*93.81*	
40 05 23 23-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee	508.28	209.31
		For Work In Restricted Working Space, Add	*125.58*	
40 05 23 23-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee	681.04	259.53
		For Work In Restricted Working Space, Add	*155.72*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0273		150#, Type 304 Stainless Steel Threaded Reducers *(40 05 23 23-0232)*			
40 05 23 23-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer		59.41	27.64
		For Work In Restricted Working Space, Add		*16.57*	
40 05 23 23-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer		75.86	35.04
		For Work In Restricted Working Space, Add		*21.04*	
40 05 23 23-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer		104.49	48.01
		For Work In Restricted Working Space, Add		*28.84*	
40 05 23 23-0277	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer		124.89	56.44
		For Work In Restricted Working Space, Add		*33.85*	
40 05 23 23-0278	EA	2", 150#, Type 304 Stainless Steel Threaded Reducer		156.71	68.26
		For Work In Restricted Working Space, Add		*40.98*	
40 05 23 23-0279	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer		259.44	108.10
		For Work In Restricted Working Space, Add		*64.88*	
40 05 23 23-0280	EA	3", 150#, Type 304 Stainless Steel Threaded Reducer		340.52	139.50
		For Work In Restricted Working Space, Add		*83.72*	
40 05 23 23-0281	EA	4", 150#, Type 304 Stainless Steel Threaded Reducer		447.85	172.98
		For Work In Restricted Working Space, Add		*103.81*	
40 05 23 23-0282		150#, Type 304 Stainless Steel Threaded Caps *(40 05 23 23-0232)*			
40 05 23 23-0283	EA	1/2", 150#, Type 304 Stainless Steel Threaded Cap		23.15	10.51
		For Work In Restricted Working Space, Add		*6.28*	
40 05 23 23-0284	EA	3/4", 150#, Type 304 Stainless Steel Threaded Cap		30.69	14.01
		For Work In Restricted Working Space, Add		*8.37*	
40 05 23 23-0285	EA	1", 150#, Type 304 Stainless Steel Threaded Cap		38.76	17.26
		For Work In Restricted Working Space, Add		*10.38*	
40 05 23 23-0286	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Cap		56.51	24.53
		For Work In Restricted Working Space, Add		*14.69*	
40 05 23 23-0287	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Cap		65.11	27.64
		For Work In Restricted Working Space, Add		*16.57*	
40 05 23 23-0288	EA	2", 150#, Type 304 Stainless Steel Threaded Cap		82.74	35.04
		For Work In Restricted Working Space, Add		*21.04*	
40 05 23 23-0289	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Cap		126.55	51.91
		For Work In Restricted Working Space, Add		*31.14*	
40 05 23 23-0290	EA	3", 150#, Type 304 Stainless Steel Threaded Cap		168.03	68.26
		For Work In Restricted Working Space, Add		*40.98*	
40 05 23 23-0291	EA	4", 150#, Type 304 Stainless Steel Threaded Cap		226.22	86.55
		For Work In Restricted Working Space, Add		*51.91*	
40 05 23 23-0292		150#, Type 304 Stainless Steel Threaded Unions *(40 05 23 23-0232)*			
40 05 23 23-0293	EA	1/2", 150#, Type 304 Stainless Steel Threaded Union		72.65	31.66
		For Work In Restricted Working Space, Add		*18.99*	
40 05 23 23-0294	EA	3/4", 150#, Type 304 Stainless Steel Threaded Union		95.57	41.91
		For Work In Restricted Working Space, Add		*25.12*	
40 05 23 23-0295	EA	1", 150#, Type 304 Stainless Steel Threaded Union		121.71	51.91
		For Work In Restricted Working Space, Add		*31.14*	
40 05 23 23-0296	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Union		175.23	72.15
		For Work In Restricted Working Space, Add		*43.25*	
40 05 23 23-0297	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Union		197.30	81.10
		For Work In Restricted Working Space, Add		*48.66*	
40 05 23 23-0298	EA	2", 150#, Type 304 Stainless Steel Threaded Union		258.31	108.10
		For Work In Restricted Working Space, Add		*64.88*	
40 05 23 23-0299	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Union		438.25	162.21
		For Work In Restricted Working Space, Add		*97.33*	
40 05 23 23-0300	EA	3", 150#, Type 304 Stainless Steel Threaded Union		561.97	209.31
		For Work In Restricted Working Space, Add		*125.59*	
40 05 23 23-0301	EA	4", 150#, Type 304 Stainless Steel Threaded Union		578.77	173.04
		For Work In Restricted Working Space, Add		*103.83*	
40 05 23 23-0302		150#, Type 304 Stainless Steel Threaded Couplings *(40 05 23 23-0232)*			
40 05 23 23-0303	EA	1/2", 150#, Type 304 Stainless Steel Threaded Coupling		44.87	20.90
		For Work In Restricted Working Space, Add		*12.56*	
40 05 23 23-0304	EA	3/4", 150#, Type 304 Stainless Steel Threaded Coupling		59.56	27.64
		For Work In Restricted Working Space, Add		*16.57*	
40 05 23 23-0305	EA	1", 150#, Type 304 Stainless Steel Threaded Coupling		76.74	35.04
		For Work In Restricted Working Space, Add		*21.04*	
40 05 23 23-0306	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling		106.61	48.01
		For Work In Restricted Working Space, Add		*28.84*	
40 05 23 23-0307	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling		125.29	56.44
		For Work In Restricted Working Space, Add		*33.85*	
40 05 23 23-0308	EA	2", 150#, Type 304 Stainless Steel Threaded Coupling		154.15	68.26
		For Work In Restricted Working Space, Add		*40.98*	
40 05 23 23-0309	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling		254.81	108.10
		For Work In Restricted Working Space, Add		*64.88*	
40 05 23 23-0310	EA	3", 150#, Type 304 Stainless Steel Threaded Coupling		328.86	139.50
		For Work In Restricted Working Space, Add		*83.72*	
40 05 23 23-0311	EA	4", 150#, Type 304 Stainless Steel Threaded Coupling		423.44	172.98
		For Work In Restricted Working Space, Add		*103.81*	
40 05 23 23-0312		Type 316, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings *(40 05 23 23-0231)*			
40 05 23 23-0313		Type 316, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0312)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	19.44	5.58
		For Work In Restricted Working Space, Add	*3.34*	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	23.30	7.01
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	29.11	8.43
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	35.20	9.73
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	40.73	11.03
		For Work In Restricted Working Space, Add	*6.65*	
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	52.28	14.01
		For Work In Restricted Working Space, Add	*8.37*	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	69.67	16.61
		For Work In Restricted Working Space, Add	*9.98*	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	90.34	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	120.88	27.64
		For Work In Restricted Working Space, Add	*16.57*	

40 05 23 23-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0324	EA	1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	46.20	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0325	EA	3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	61.48	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0326	EA	1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	78.00	35.04
		For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0327	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	109.62	48.01
		For Work In Restricted Working Space, Add	*28.84*	
40 05 23 23-0328	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	130.82	56.44
		For Work In Restricted Working Space, Add	*33.85*	
40 05 23 23-0329	EA	2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	159.33	68.26
		For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0330	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	266.23	108.10
		For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-0331	EA	3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	347.79	139.50
		For Work In Restricted Working Space, Add	*83.72*	
40 05 23 23-0332	EA	4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	472.34	172.98
		For Work In Restricted Working Space, Add	*103.81*	

40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0334	EA	1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	47.01	20.90
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0335	EA	3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	61.99	27.64
		For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0336	EA	1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	78.60	35.04
		For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0337	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	109.45	48.01
		For Work In Restricted Working Space, Add	*28.84*	
40 05 23 23-0338	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	128.69	56.44
		For Work In Restricted Working Space, Add	*33.85*	
40 05 23 23-0339	EA	2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	158.74	68.26
		For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0340	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	274.28	108.10
		For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-0341	EA	3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	362.78	139.50
		For Work In Restricted Working Space, Add	*83.72*	
40 05 23 23-0342	EA	4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	503.67	172.98
		For Work In Restricted Working Space, Add	*103.81*	

40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees *(40 05 23 23-0312)*

40 05 23 23-0344	EA	1/2", 150#, Type 316 Stainless Steel Threaded Tee	68.90	31.66
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0345	EA	3/4", 150#, Type 316 Stainless Steel Threaded Tee	91.98	41.91
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0346	EA	1", 150#, Type 316 Stainless Steel Threaded Tee	114.17	51.91
		For Work In Restricted Working Space, Add	*31.14*	
40 05 23 23-0347	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Tee	164.83	72.15
		For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0348	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Tee	187.26	81.10
		For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0349	EA	2", 150#, Type 316 Stainless Steel Threaded Tee	248.53	108.10
		For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-0350	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Tee	388.10	156.37
		For Work In Restricted Working Space, Add	*93.81*	
40 05 23 23-0351	EA	3", 150#, Type 316 Stainless Steel Threaded Tee	526.24	209.31
		For Work In Restricted Working Space, Add	*125.58*	
40 05 23 23-0352	EA	4", 150#, Type 316 Stainless Steel Threaded Tee	694.43	259.53
		For Work In Restricted Working Space, Add	*155.72*	

40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers *(40 05 23 23-0312)*

40 05 23 23-0354	EA	3/4", 150#, Type 316 Stainless Steel Threaded Reducer	60.32	27.64
		For Work In Restricted Working Space, Add	*16.57*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0355		EA	1", 150#, Type 316 Stainless Steel Threaded Reducer	78.58	35.04
			For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0356		EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer	105.00	48.01
			For Work In Restricted Working Space, Add	*28.84*	
40 05 23 23-0357		EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	127.55	56.44
			For Work In Restricted Working Space, Add	*33.85*	
40 05 23 23-0358		EA	2", 150#, Type 316 Stainless Steel Threaded Reducer	161.38	68.26
			For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0359		EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	270.08	108.10
			For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-0360		EA	3", 150#, Type 316 Stainless Steel Threaded Reducer	352.27	139.50
			For Work In Restricted Working Space, Add	*83.72*	
40 05 23 23-0361		EA	4", 150#, Type 316 Stainless Steel Threaded Reducer	467.43	172.98
			For Work In Restricted Working Space, Add	*103.81*	

40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps *(40 05 23 23-0312)*

40 05 23 23-0363		EA	1/2", 150#, Type 316 Stainless Steel Threaded Cap	23.75	10.51
			For Work In Restricted Working Space, Add	*6.28*	
40 05 23 23-0364		EA	3/4", 150#, Type 316 Stainless Steel Threaded Cap	31.13	14.01
			For Work In Restricted Working Space, Add	*8.37*	
40 05 23 23-0365		EA	1", 150#, Type 316 Stainless Steel Threaded Cap	39.55	17.26
			For Work In Restricted Working Space, Add	*10.38*	
40 05 23 23-0366		EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Cap	58.71	24.53
			For Work In Restricted Working Space, Add	*14.69*	
40 05 23 23-0367		EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Cap	67.71	27.64
			For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0368		EA	2", 150#, Type 316 Stainless Steel Threaded Cap	86.14	35.04
			For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0369		EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Cap	132.17	51.91
			For Work In Restricted Working Space, Add	*31.14*	
40 05 23 23-0370		EA	3", 150#, Type 316 Stainless Steel Threaded Cap	173.73	68.26
			For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0371		EA	4", 150#, Type 316 Stainless Steel Threaded Cap	237.54	86.55
			For Work In Restricted Working Space, Add	*51.91*	

40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions *(40 05 23 23-0312)*

40 05 23 23-0373		EA	1/2", 150#, Type 316 Stainless Steel Threaded Union	73.94	31.66
			For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0374		EA	3/4", 150#, Type 316 Stainless Steel Threaded Union	100.42	41.91
			For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-0375		EA	1", 150#, Type 316 Stainless Steel Threaded Union	124.16	51.91
			For Work In Restricted Working Space, Add	*31.14*	
40 05 23 23-0376		EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Union	179.40	72.15
			For Work In Restricted Working Space, Add	*43.25*	
40 05 23 23-0377		EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Union	202.17	81.10
			For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0378		EA	2", 150#, Type 316 Stainless Steel Threaded Union	263.95	108.10
			For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-0379		EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Union	446.90	162.21
			For Work In Restricted Working Space, Add	*97.33*	
40 05 23 23-0380		EA	3", 150#, Type 316 Stainless Steel Threaded Union	588.93	209.31
			For Work In Restricted Working Space, Add	*125.59*	
40 05 23 23-0381		EA	4", 150#, Type 316 Stainless Steel Threaded Union	636.22	173.04
			For Work In Restricted Working Space, Add	*103.83*	

40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings *(40 05 23 23-0312)*

40 05 23 23-0383		EA	1/2", 150#, Type 316 Stainless Steel Threaded Coupling	46.90	20.90
			For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-0384		EA	3/4", 150#, Type 316 Stainless Steel Threaded Coupling	60.50	27.64
			For Work In Restricted Working Space, Add	*16.57*	
40 05 23 23-0385		EA	1", 150#, Type 316 Stainless Steel Threaded Coupling	77.64	35.04
			For Work In Restricted Working Space, Add	*21.04*	
40 05 23 23-0386		EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling	108.04	48.01
			For Work In Restricted Working Space, Add	*28.84*	
40 05 23 23-0387		EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	127.00	56.44
			For Work In Restricted Working Space, Add	*33.85*	
40 05 23 23-0388		EA	2", 150#, Type 316 Stainless Steel Threaded Coupling	156.52	68.26
			For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0389		EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	263.09	108.10
			For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-0390		EA	3", 150#, Type 316 Stainless Steel Threaded Coupling	339.54	139.50
			For Work In Restricted Working Space, Add	*83.72*	
40 05 23 23-0391		EA	4", 150#, Type 316 Stainless Steel Threaded Coupling	439.45	172.98
			For Work In Restricted Working Space, Add	*103.81*	

40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0392)*

40 05 23 23-0394		LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	17.92	5.45
			For Work In Restricted Working Space, Add	*3.27*	
40 05 23 23-0395		LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	21.45	6.66
			For Work In Restricted Working Space, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	27.73	7.87
		For Work In Restricted Working Space, Add	*4.69*	
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	34.01	9.80
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	37.93	11.02
		For Work In Restricted Working Space, Add	*6.60*	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	46.94	13.68
		For Work In Restricted Working Space, Add	*8.18*	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	55.62	15.62
		For Work In Restricted Working Space, Add	*9.35*	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	65.06	17.56
		For Work In Restricted Working Space, Add	*10.52*	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	80.86	20.82
		For Work In Restricted Working Space, Add	*12.46*	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	115.93	27.36
		For Work In Restricted Working Space, Add	*16.36*	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	195.68	47.46
		For Work In Restricted Working Space, Add	*30.50*	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	244.22	52.18
		For Work In Restricted Working Space, Add	*33.54*	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	289.28	58.02
		For Work In Restricted Working Space, Add	*37.28*	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	351.74	65.23
		For Work In Restricted Working Space, Add	*41.93*	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	389.15	74.54
		For Work In Restricted Working Space, Add	*47.92*	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	438.35	86.97
		For Work In Restricted Working Space, Add	*55.91*	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	597.48	104.37
		For Work In Restricted Working Space, Add	*67.09*	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	775.36	130.45
		For Work In Restricted Working Space, Add	*83.87*	

40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	143.17	62.09
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	151.66	65.91
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	167.07	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	182.32	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	201.38	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	225.01	96.99
		For Work In Restricted Working Space, Add	*64.66*	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	292.04	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	342.54	145.49
		For Work In Restricted Working Space, Add	*96.99*	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	418.43	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	567.70	217.53
		For Work In Restricted Working Space, Add	*145.02*	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	953.41	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,396.79	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,108.69	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,491.19	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,920.54	956.62
		For Work In Restricted Working Space, Add	*637.75*	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,688.96	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	5,144.44	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	7,382.77	2,396.11
		For Work In Restricted Working Space, Add	*1,597.40*	

40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	144.70	62.09
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	153.19	65.91
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	168.90	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	184.76	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	201.68	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	225.01	96.99
		For Work In Restricted Working Space, Add	*64.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	290.51	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	339.79	145.49
		For Work In Restricted Working Space, Add	*96.99*	
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	413.24	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	540.52	217.53
		For Work In Restricted Working Space, Add	*145.02*	
40 05 23 23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	900.97	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,303.44	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,960.90	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,309.79	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,696.66	956.62
		For Work In Restricted Working Space, Add	*637.75*	
40 05 23 23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,394.96	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	4,747.73	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	6,820.02	2,396.11
		For Work In Restricted Working Space, Add	*1,597.40*	

40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 23-0392)*

40 05 23 23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	192.19	78.92
		For Work In Restricted Working Space, Add	*52.62*	
40 05 23 23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	232.09	96.89
		For Work In Restricted Working Space, Add	*64.59*	
40 05 23 23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	258.70	108.85
		For Work In Restricted Working Space, Add	*72.57*	
40 05 23 23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	294.51	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	312.90	133.24
		For Work In Restricted Working Space, Add	*88.83*	
40 05 23 23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	340.98	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	437.82	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	517.94	218.23
		For Work In Restricted Working Space, Add	*145.49*	
40 05 23 23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	593.74	244.92
		For Work In Restricted Working Space, Add	*163.28*	
40 05 23 23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	857.33	326.55
		For Work In Restricted Working Space, Add	*217.71*	
40 05 23 23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	1,375.35	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	2,108.69	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	2,706.95	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	3,325.55	1,079.80
		For Work In Restricted Working Space, Add	*719.86*	
40 05 23 23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	4,029.94	1,317.24
		For Work In Restricted Working Space, Add	*878.15*	
40 05 23 23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	5,128.14	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	6,851.58	2,206.95
		For Work In Restricted Working Space, Add	*1,471.30*	
40 05 23 23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	10,279.44	3,354.56
		For Work In Restricted Working Space, Add	*2,236.37*	

40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0392)*

40 05 23 23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	176.46	65.93
		For Work In Restricted Working Space, Add	*43.96*	
40 05 23 23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	209.48	80.80
		For Work In Restricted Working Space, Add	*53.87*	
40 05 23 23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	256.38	90.79
		For Work In Restricted Working Space, Add	*60.52*	
40 05 23 23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	267.55	103.49
		For Work In Restricted Working Space, Add	*68.99*	
40 05 23 23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	281.04	111.20
		For Work In Restricted Working Space, Add	*74.14*	
40 05 23 23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	361.26	121.19
		For Work In Restricted Working Space, Add	*80.80*	
40 05 23 23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	426.07	145.26
		For Work In Restricted Working Space, Add	*96.85*	
40 05 23 23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	525.65	181.57
		For Work In Restricted Working Space, Add	*121.04*	
40 05 23 23-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	686.43	207.46
		For Work In Restricted Working Space, Add	*138.31*	
40 05 23 23-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,261.97	299.52
		For Work In Restricted Working Space, Add	*199.67*	
40 05 23 23-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,064.08	399.36
		For Work In Restricted Working Space, Add	*266.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,954.11	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,582.90	719.66
		For Work In Restricted Working Space, Add	*479.78*	
40 05 23 23-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	4,435.07	877.85
		For Work In Restricted Working Space, Add	*585.23*	
40 05 23 23-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	5,724.50	1,118.19
		For Work In Restricted Working Space, Add	*745.46*	
40 05 23 23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	8,121.00	1,471.29
		For Work In Restricted Working Space, Add	*980.87*	
40 05 23 23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	12,692.12	2,234.39
		For Work In Restricted Working Space, Add	*1,489.59*	

40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0392)*

40 05 23 23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	143.62	59.96
		For Work In Restricted Working Space, Add	*39.97*	
40 05 23 23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	158.03	65.34
		For Work In Restricted Working Space, Add	*43.56*	
40 05 23 23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	175.18	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	186.73	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	203.82	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	272.02	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	307.68	124.02
		For Work In Restricted Working Space, Add	*82.68*	
40 05 23 23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	359.67	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	463.68	185.01
		For Work In Restricted Working Space, Add	*123.35*	
40 05 23 23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	723.35	287.53
		For Work In Restricted Working Space, Add	*191.69*	
40 05 23 23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	919.11	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,235.48	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,752.43	628.98
		For Work In Restricted Working Space, Add	*419.32*	
40 05 23 23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,046.13	716.78
		For Work In Restricted Working Space, Add	*477.86*	
40 05 23 23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,521.57	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	3,529.36	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	5,100.71	1,797.09
		For Work In Restricted Working Space, Add	*1,198.06*	
40 05 23 23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	172.34	59.96
		For Work In Restricted Working Space, Add	*39.97*	
40 05 23 23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	179.10	65.34
		For Work In Restricted Working Space, Add	*43.56*	
40 05 23 23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	189.61	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	213.00	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	222.76	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	292.79	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	328.14	124.02
		For Work In Restricted Working Space, Add	*82.68*	
40 05 23 23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	375.49	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	520.80	185.01
		For Work In Restricted Working Space, Add	*123.35*	
40 05 23 23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	845.78	287.53
		For Work In Restricted Working Space, Add	*191.69*	
40 05 23 23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,157.93	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,456.16	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,261.51	628.98
		For Work In Restricted Working Space, Add	*419.32*	
40 05 23 23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,629.45	716.78
		For Work In Restricted Working Space, Add	*477.86*	
40 05 23 23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	3,233.49	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	4,670.18	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	6,612.64	1,797.09
		For Work In Restricted Working Space, Add	*1,198.06*	

40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0392)*

40 05 23 23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	78.47	31.05
		For Work In Restricted Working Space, Add	*20.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	86.06	32.95
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	94.54	36.21
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	104.06	39.48
		For Work In Restricted Working Space, Add	*26.31*	
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	111.84	43.59
		For Work In Restricted Working Space, Add	*29.06*	
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	120.89	48.50
		For Work In Restricted Working Space, Add	*32.33*	
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	156.87	62.07
		For Work In Restricted Working Space, Add	*41.38*	
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	177.84	72.74
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	214.26	87.07
		For Work In Restricted Working Space, Add	*58.05*	
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	275.99	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	460.39	179.71
		For Work In Restricted Working Space, Add	*119.81*	
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	613.09	239.62
		For Work In Restricted Working Space, Add	*159.74*	
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	903.78	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	1,060.59	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	1,229.00	478.31
		For Work In Restricted Working Space, Add	*318.88*	
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	1,551.77	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	2,144.14	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	3,156.58	1,198.04
		For Work In Restricted Working Space, Add	*798.71*	

40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0541)*

40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	19.65	5.45
		For Work In Restricted Working Space, Add	*3.27*	
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	23.90	6.66
		For Work In Restricted Working Space, Add	*4.00*	
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	29.05	7.87
		For Work In Restricted Working Space, Add	*4.69*	
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	36.31	9.68
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	41.67	10.89
		For Work In Restricted Working Space, Add	*6.60*	
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	53.10	13.92
		For Work In Restricted Working Space, Add	*8.18*	
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	65.02	15.74
		For Work In Restricted Working Space, Add	*9.35*	
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	64.90	17.56
		For Work In Restricted Working Space, Add	*10.52*	
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	101.82	20.58
		For Work In Restricted Working Space, Add	*12.46*	
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	155.27	27.24
		For Work In Restricted Working Space, Add	*16.36*	
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	274.36	47.22
		For Work In Restricted Working Space, Add	*30.50*	
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	342.09	52.18
		For Work In Restricted Working Space, Add	*33.54*	
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	421.69	57.78
		For Work In Restricted Working Space, Add	*37.28*	

40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	144.39	62.09
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	152.88	65.91
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	167.98	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	182.98	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	201.99	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	227.15	96.99
		For Work In Restricted Working Space, Add	*64.66*	
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	299.98	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	354.15	145.49
		For Work In Restricted Working Space, Add	*96.99*	
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	437.98	174.13
		For Work In Restricted Working Space, Add	*116.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	692.62	217.53
		For Work In Restricted Working Space, Add	*145.02*	
40 05 23 23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,123.63	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,742.16	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,556.64	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,034.62	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,618.65	956.62
		For Work In Restricted Working Space, Add	*637.75*	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	4,658.97	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	6,341.70	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	9,090.86	2,396.11
		For Work In Restricted Working Space, Add	*1,597.40*	

40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	146.53	62.09
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	155.02	65.91
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	169.51	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	184.54	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	203.51	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	227.47	96.99
		For Work In Restricted Working Space, Add	*64.66*	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	299.98	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	345.60	145.49
		For Work In Restricted Working Space, Add	*96.99*	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	442.56	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	588.47	217.53
		For Work In Restricted Working Space, Add	*145.02*	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,014.44	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,469.37	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,154.22	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,446.12	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,917.97	956.62
		For Work In Restricted Working Space, Add	*637.75*	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,681.45	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	5,022.68	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	7,286.87	2,396.11
		For Work In Restricted Working Space, Add	*1,597.40*	

40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0541)*

40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	193.41	78.92
		For Work In Restricted Working Space, Add	*52.62*	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	233.31	96.89
		For Work In Restricted Working Space, Add	*64.59*	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	259.92	108.85
		For Work In Restricted Working Space, Add	*72.57*	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	297.62	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	314.12	133.24
		For Work In Restricted Working Space, Add	*88.83*	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	342.51	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	441.95	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	524.35	218.23
		For Work In Restricted Working Space, Add	*145.49*	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	600.76	244.92
		For Work In Restricted Working Space, Add	*163.28*	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	905.89	326.55
		For Work In Restricted Working Space, Add	*217.71*	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,519.50	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	2,551.05	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	3,173.38	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	4,265.42	1,079.80
		For Work In Restricted Working Space, Add	*719.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	5,402.10	1,317.24
		For Work In Restricted Working Space, Add	*878.15*	
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	6,991.19	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	9,036.89	2,206.95
		For Work In Restricted Working Space, Add	*1,471.30*	
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	13,828.65	3,354.56
		For Work In Restricted Working Space, Add	*2,236.37*	

40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0541)*

40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	180.43	65.93
		For Work In Restricted Working Space, Add	*43.96*	
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	213.45	80.80
		For Work In Restricted Working Space, Add	*53.87*	
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	275.49	90.79
		For Work In Restricted Working Space, Add	*60.52*	
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	273.35	103.49
		For Work In Restricted Working Space, Add	*68.99*	
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	281.04	111.20
		For Work In Restricted Working Space, Add	*74.14*	
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	341.74	121.19
		For Work In Restricted Working Space, Add	*80.80*	
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	383.00	145.26
		For Work In Restricted Working Space, Add	*96.85*	
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	503.05	181.57
		For Work In Restricted Working Space, Add	*121.04*	
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	690.09	207.46
		For Work In Restricted Working Space, Add	*138.31*	
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,132.33	299.52
		For Work In Restricted Working Space, Add	*199.67*	
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,104.65	399.36
		For Work In Restricted Working Space, Add	*266.24*	
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,035.26	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,469.04	719.66
		For Work In Restricted Working Space, Add	*479.78*	
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,292.47	877.85
		For Work In Restricted Working Space, Add	*585.23*	
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	5,538.55	1,118.19
		For Work In Restricted Working Space, Add	*745.46*	
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	7,842.53	1,471.29
		For Work In Restricted Working Space, Add	*980.87*	
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	12,248.61	2,234.39
		For Work In Restricted Working Space, Add	*1,489.59*	

40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0541)*

40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	146.68	59.96
		For Work In Restricted Working Space, Add	*39.97*	
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	161.08	65.34
		For Work In Restricted Working Space, Add	*43.56*	
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	175.40	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	189.79	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	205.65	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	272.02	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	296.68	124.02
		For Work In Restricted Working Space, Add	*82.68*	
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	344.03	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	466.13	185.01
		For Work In Restricted Working Space, Add	*123.35*	
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	775.21	287.53
		For Work In Restricted Working Space, Add	*191.69*	
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,008.18	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,314.97	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,930.83	628.98
		For Work In Restricted Working Space, Add	*419.32*	
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,270.39	716.78
		For Work In Restricted Working Space, Add	*477.86*	
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,975.71	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	4,065.04	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	5,655.46	1,797.09
		For Work In Restricted Working Space, Add	*1,198.06*	
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	173.58	59.96
		For Work In Restricted Working Space, Add	*39.97*	
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	185.52	65.34
		For Work In Restricted Working Space, Add	*43.56*	
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	211.61	72.44
		For Work In Restricted Working Space, Add	*48.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	224.30	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	240.17	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	292.79	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	366.02	124.02
		For Work In Restricted Working Space, Add	*82.68*	
40 05 23 23-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	401.15	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	546.15	185.01
		For Work In Restricted Working Space, Add	*123.35*	
40 05 23 23-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	848.44	287.53
		For Work In Restricted Working Space, Add	*191.69*	
40 05 23 23-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,155.62	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,576.23	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,571.20	628.98
		For Work In Restricted Working Space, Add	*419.32*	
40 05 23 23-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,916.69	716.78
		For Work In Restricted Working Space, Add	*477.86*	
40 05 23 23-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,811.83	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	4,955.60	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	7,877.73	1,797.09
		For Work In Restricted Working Space, Add	*1,198.06*	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0541)*

40 05 23 23-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	79.38	31.05
		For Work In Restricted Working Space, Add	*20.70*	
40 05 23 23-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	85.14	32.95
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	95.46	36.21
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	108.15	39.48
		For Work In Restricted Working Space, Add	*26.31*	
40 05 23 23-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	115.81	43.59
		For Work In Restricted Working Space, Add	*29.06*	
40 05 23 23-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	120.59	48.50
		For Work In Restricted Working Space, Add	*32.33*	
40 05 23 23-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	154.81	62.07
		For Work In Restricted Working Space, Add	*41.38*	
40 05 23 23-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	179.06	72.74
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	217.92	87.07
		For Work In Restricted Working Space, Add	*58.05*	
40 05 23 23-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	298.59	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	496.68	179.71
		For Work In Restricted Working Space, Add	*119.81*	
40 05 23 23-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	664.41	239.62
		For Work In Restricted Working Space, Add	*159.74*	
40 05 23 23-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	1,001.57	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	1,150.17	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	1,352.23	478.31
		For Work In Restricted Working Space, Add	*318.88*	
40 05 23 23-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,697.83	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	2,338.92	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	3,482.24	1,198.04
		For Work In Restricted Working Space, Add	*798.71*	

40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0685)*

40 05 23 23-0687	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	20.11	5.45
		For Work In Restricted Working Space, Add	*3.27*	
40 05 23 23-0688	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	23.99	6.66
		For Work In Restricted Working Space, Add	*4.00*	
40 05 23 23-0689	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	31.52	7.87
		For Work In Restricted Working Space, Add	*4.69*	
40 05 23 23-0690	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	38.53	9.80
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 23-0691	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	42.90	11.02
		For Work In Restricted Working Space, Add	*6.60*	
40 05 23 23-0692	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	53.08	13.68
		For Work In Restricted Working Space, Add	*8.18*	
40 05 23 23-0693	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	63.26	15.62
		For Work In Restricted Working Space, Add	*9.35*	
40 05 23 23-0694	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	74.43	17.56
		For Work In Restricted Working Space, Add	*10.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	93.14	20.82
		For Work In Restricted Working Space, Add	*12.46*	
40 05 23 23-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	135.10	27.36
		For Work In Restricted Working Space, Add	*16.36*	
40 05 23 23-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	225.04	47.46
		For Work In Restricted Working Space, Add	*30.50*	
40 05 23 23-0698	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	285.57	52.18
		For Work In Restricted Working Space, Add	*33.54*	
40 05 23 23-0699	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	340.82	58.02
		For Work In Restricted Working Space, Add	*37.28*	
40 05 23 23-0700	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	417.94	65.23
		For Work In Restricted Working Space, Add	*41.93*	
40 05 23 23-0701	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	460.80	74.54
		For Work In Restricted Working Space, Add	*47.92*	
40 05 23 23-0702	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	517.05	86.97
		For Work In Restricted Working Space, Add	*55.91*	
40 05 23 23-0703	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	714.22	104.37
		For Work In Restricted Working Space, Add	*67.09*	
40 05 23 23-0704	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	930.20	130.45
		For Work In Restricted Working Space, Add	*83.87*	
40 05 23 23-0705		**Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows** *(40 05 23 23-0685)*		
40 05 23 23-0706	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	144.70	62.09
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-0707	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	153.19	65.91
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-0708	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	168.90	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0709	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	184.98	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0710	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	203.21	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0711	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	227.15	96.99
		For Work In Restricted Working Space, Add	*64.66*	
40 05 23 23-0712	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	296.01	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0713	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	348.35	145.49
		For Work In Restricted Working Space, Add	*96.99*	
40 05 23 23-0714	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	427.29	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0715	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	590.91	217.53
		For Work In Restricted Working Space, Add	*145.02*	
40 05 23 23-0716	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	996.63	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0717	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,496.72	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0718	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,244.93	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0719	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,619.39	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0720	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,123.32	956.62
		For Work In Restricted Working Space, Add	*637.75*	
40 05 23 23-0721	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,932.12	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0722	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	5,491.80	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0723	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	7,898.93	2,396.11
		For Work In Restricted Working Space, Add	*1,597.40*	
40 05 23 23-0724		**Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows** *(40 05 23 23-0685)*		
40 05 23 23-0725	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	146.53	62.09
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-0726	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	155.02	65.91
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-0727	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	170.73	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0728	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	187.43	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0729	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	203.21	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0730	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	227.15	96.99
		For Work In Restricted Working Space, Add	*64.66*	
40 05 23 23-0731	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	294.18	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0732	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	345.60	145.49
		For Work In Restricted Working Space, Add	*96.99*	
40 05 23 23-0733	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	420.87	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0734	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	553.04	217.53
		For Work In Restricted Working Space, Add	*145.02*	
40 05 23 23-0735	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	928.67	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0736	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,469.37	479.21
		For Work In Restricted Working Space, Add	*319.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0737	EA	12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,154.22	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0738	EA	14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,534.39	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0739	EA	16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,967.47	956.62
		For Work In Restricted Working Space, Add	*637.75*	
40 05 23 23-0740	EA	18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	3,748.59	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0741	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	5,326.89	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0742	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	7,679.29	2,396.11
		For Work In Restricted Working Space, Add	*1,597.40*	

40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees *(40 05 23 23-0685)*

40 05 23 23-0744	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee	196.16	78.92
		For Work In Restricted Working Space, Add	*52.62*	
40 05 23 23-0745	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee	236.06	96.89
		For Work In Restricted Working Space, Add	*64.59*	
40 05 23 23-0746	EA	1", Type 316, Schedule 10 Stainless Steel Tee	262.67	108.85
		For Work In Restricted Working Space, Add	*72.57*	
40 05 23 23-0747	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee	301.84	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0748	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee	318.70	133.24
		For Work In Restricted Working Space, Add	*88.83*	
40 05 23 23-0749	EA	2", Type 316, Schedule 10 Stainless Steel Tee	346.17	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0750	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee	421.18	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0751	EA	3", Type 316, Schedule 10 Stainless Steel Tee	528.02	218.23
		For Work In Restricted Working Space, Add	*145.49*	
40 05 23 23-0752	EA	4", Type 316, Schedule 10 Stainless Steel Tee	607.48	244.92
		For Work In Restricted Working Space, Add	*163.28*	
40 05 23 23-0753	EA	6", Type 316, Schedule 10 Stainless Steel Tee	896.73	326.55
		For Work In Restricted Working Space, Add	*217.71*	
40 05 23 23-0754	EA	8", Type 316, Schedule 10 Stainless Steel Tee	1,478.91	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0755	EA	10", Type 316, Schedule 10 Stainless Steel Tee	2,307.60	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0756	EA	12", Type 316, Schedule 10 Stainless Steel Tee	2,970.50	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0757	EA	14", Type 316, Schedule 10 Stainless Steel Tee	3,814.23	1,079.80
		For Work In Restricted Working Space, Add	*719.86*	
40 05 23 23-0758	EA	16", Type 316, Schedule 10 Stainless Steel Tee	4,503.20	1,317.24
		For Work In Restricted Working Space, Add	*878.15*	
40 05 23 23-0759	EA	18", Type 316, Schedule 10 Stainless Steel Tee	5,723.60	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0760	EA	20", Type 316, Schedule 10 Stainless Steel Tee	7,719.92	2,206.95
		For Work In Restricted Working Space, Add	*1,471.30*	
40 05 23 23-0761	EA	24", Type 316, Schedule 10 Stainless Steel Tee	11,041.03	3,354.56
		For Work In Restricted Working Space, Add	*2,236.37*	

40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0685)*

40 05 23 23-0763	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	185.93	65.93
		For Work In Restricted Working Space, Add	*43.96*	
40 05 23 23-0764	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	220.78	80.80
		For Work In Restricted Working Space, Add	*53.87*	
40 05 23 23-0765	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	270.16	90.79
		For Work In Restricted Working Space, Add	*60.52*	
40 05 23 23-0766	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	277.02	103.49
		For Work In Restricted Working Space, Add	*68.99*	
40 05 23 23-0767	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	294.18	111.20
		For Work In Restricted Working Space, Add	*74.14*	
40 05 23 23-0768	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	400.97	121.19
		For Work In Restricted Working Space, Add	*80.80*	
40 05 23 23-0769	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	390.33	145.26
		For Work In Restricted Working Space, Add	*96.85*	
40 05 23 23-0770	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	525.65	181.57
		For Work In Restricted Working Space, Add	*121.04*	
40 05 23 23-0771	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	742.93	207.46
		For Work In Restricted Working Space, Add	*138.31*	
40 05 23 23-0772	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,426.25	299.52
		For Work In Restricted Working Space, Add	*199.67*	
40 05 23 23-0773	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,611.99	399.36
		For Work In Restricted Working Space, Add	*266.24*	
40 05 23 23-0774	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,420.87	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-0775	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,892.14	719.66
		For Work In Restricted Working Space, Add	*479.78*	
40 05 23 23-0776	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	4,822.36	877.85
		For Work In Restricted Working Space, Add	*585.23*	
40 05 23 23-0777	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	6,229.54	1,118.19
		For Work In Restricted Working Space, Add	*745.46*	
40 05 23 23-0778	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	8,877.31	1,471.29
		For Work In Restricted Working Space, Add	*980.87*	
40 05 23 23-0779	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	13,896.70	2,234.39
		For Work In Restricted Working Space, Add	*1,489.59*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0780		**Type 316, Schedule 10 Stainless Steel Butt Weld Reducers** *(40 05 23 23-0685)*		
40 05 23 23-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	146.37	59.96
		For Work In Restricted Working Space, Add	*39.97*	
40 05 23 23-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	161.39	65.34
		For Work In Restricted Working Space, Add	*43.56*	
40 05 23 23-0783	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	180.06	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0784	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	188.87	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0785	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	205.65	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0786	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	270.74	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0787	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	315.01	124.02
		For Work In Restricted Working Space, Add	*82.68*	
40 05 23 23-0788	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	346.21	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0789	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	478.65	185.01
		For Work In Restricted Working Space, Add	*123.35*	
40 05 23 23-0790	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	739.00	287.53
		For Work In Restricted Working Space, Add	*191.69*	
40 05 23 23-0791	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	955.74	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0792	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,278.70	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0793	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,811.95	628.98
		For Work In Restricted Working Space, Add	*419.32*	
40 05 23 23-0794	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,102.49	716.78
		For Work In Restricted Working Space, Add	*477.86*	
40 05 23 23-0795	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,604.42	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0796	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,657.37	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0797	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	5,327.67	1,797.09
		For Work In Restricted Working Space, Add	*1,198.06*	
40 05 23 23-0798	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	170.11	59.96
		For Work In Restricted Working Space, Add	*39.97*	
40 05 23 23-0799	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	189.58	65.34
		For Work In Restricted Working Space, Add	*43.56*	
40 05 23 23-0800	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	213.49	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0801	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	227.96	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0802	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	229.78	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0803	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	304.09	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0804	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	349.22	124.02
		For Work In Restricted Working Space, Add	*82.68*	
40 05 23 23-0805	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	392.60	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0806	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	558.37	185.01
		For Work In Restricted Working Space, Add	*123.35*	
40 05 23 23-0807	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	911.76	287.53
		For Work In Restricted Working Space, Add	*191.69*	
40 05 23 23-0808	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,253.27	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0809	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,587.44	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0810	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,397.43	628.98
		For Work In Restricted Working Space, Add	*419.32*	
40 05 23 23-0811	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,810.13	716.78
		For Work In Restricted Working Space, Add	*477.86*	
40 05 23 23-0812	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,483.60	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0813	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	5,063.46	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0814	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	6,997.51	1,797.09
		For Work In Restricted Working Space, Add	*1,198.06*	
40 05 23 23-0815		**Type 316, Schedule 10 Stainless Steel Butt Weld Caps** *(40 05 23 23-0685)*		
40 05 23 23-0816	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	82.44	31.05
		For Work In Restricted Working Space, Add	*20.70*	
40 05 23 23-0817	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	91.25	32.95
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0818	EA	1", Type 316, Schedule 10 Stainless Steel Cap	100.04	36.21
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0819	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	109.37	39.48
		For Work In Restricted Working Space, Add	*26.31*	
40 05 23 23-0820	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	118.25	43.59
		For Work In Restricted Working Space, Add	*29.06*	
40 05 23 23-0821	EA	2", Type 316, Schedule 10 Stainless Steel Cap	124.56	48.50
		For Work In Restricted Working Space, Add	*32.33*	
40 05 23 23-0822	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	155.70	62.07
		For Work In Restricted Working Space, Add	*41.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0823	EA	3", Type 316, Schedule 10 Stainless Steel Cap	184.25	72.74
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-0824	EA	4", Type 316, Schedule 10 Stainless Steel Cap	220.67	87.07
		For Work In Restricted Working Space, Add	*58.05*	
40 05 23 23-0825	EA	6", Type 316, Schedule 10 Stainless Steel Cap	287.29	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0826	EA	8", Type 316, Schedule 10 Stainless Steel Cap	480.51	179.71
		For Work In Restricted Working Space, Add	*119.81*	
40 05 23 23-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap	637.53	239.62
		For Work In Restricted Working Space, Add	*159.74*	
40 05 23 23-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap	939.51	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap	1,092.81	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap	1,256.23	478.31
		For Work In Restricted Working Space, Add	*318.88*	
40 05 23 23-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap	1,582.98	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap	2,193.92	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap	3,309.83	1,198.04
		For Work In Restricted Working Space, Add	*798.71*	

40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0834)*

40 05 23 23-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	22.57	5.45
		For Work In Restricted Working Space, Add	*3.27*	
40 05 23 23-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	27.44	6.66
		For Work In Restricted Working Space, Add	*4.00*	
40 05 23 23-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	33.55	7.87
		For Work In Restricted Working Space, Add	*4.69*	
40 05 23 23-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	41.93	9.68
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 23-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	48.25	10.89
		For Work In Restricted Working Space, Add	*6.60*	
40 05 23 23-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	61.75	13.92
		For Work In Restricted Working Space, Add	*8.18*	
40 05 23 23-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	76.35	15.74
		For Work In Restricted Working Space, Add	*9.35*	
40 05 23 23-0843	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	74.87	17.56
		For Work In Restricted Working Space, Add	*10.52*	
40 05 23 23-0844	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	122.00	20.58
		For Work In Restricted Working Space, Add	*12.46*	
40 05 23 23-0845	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	188.97	27.24
		For Work In Restricted Working Space, Add	*16.36*	
40 05 23 23-0846	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	332.13	47.22
		For Work In Restricted Working Space, Add	*30.50*	
40 05 23 23-0847	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	419.12	52.18
		For Work In Restricted Working Space, Add	*33.54*	
40 05 23 23-0848	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	521.19	57.78
		For Work In Restricted Working Space, Add	*37.28*	

40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0850	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	146.23	62.09
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-0851	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	154.72	65.91
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-0852	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	170.43	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0853	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	185.65	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0854	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	204.74	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0855	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	230.81	96.99
		For Work In Restricted Working Space, Add	*64.66*	
40 05 23 23-0856	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	307.31	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0857	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	364.23	145.49
		For Work In Restricted Working Space, Add	*96.99*	
40 05 23 23-0858	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	462.11	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0859	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	713.08	217.53
		For Work In Restricted Working Space, Add	*145.02*	
40 05 23 23-0860	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,230.49	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0861	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,008.01	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0862	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,863.43	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0863	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,203.17	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0864	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,885.46	956.62
		For Work In Restricted Working Space, Add	*637.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,960.00	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	6,700.76	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	9,723.80	2,396.11
		For Work In Restricted Working Space, Add	*1,597.40*	

40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0869	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	149.28	62.09
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-0870	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	157.77	65.91
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-0871	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	172.26	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0872	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	186.54	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0873	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	206.57	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0874	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	230.81	96.99
		For Work In Restricted Working Space, Add	*64.66*	
40 05 23 23-0875	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	307.31	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0876	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	352.32	145.49
		For Work In Restricted Working Space, Add	*96.99*	
40 05 23 23-0877	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	439.50	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0878	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	620.23	217.53
		For Work In Restricted Working Space, Add	*145.02*	
40 05 23 23-0879	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,066.90	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0880	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,631.00	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0881	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,358.72	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0882	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,680.81	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,028.48	956.62
		For Work In Restricted Working Space, Add	*637.75*	
40 05 23 23-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,893.12	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	5,293.43	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	7,844.36	2,396.11
		For Work In Restricted Working Space, Add	*1,597.40*	

40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0834)*

40 05 23 23-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	197.99	78.92
		For Work In Restricted Working Space, Add	*52.62*	
40 05 23 23-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	237.89	96.89
		For Work In Restricted Working Space, Add	*64.59*	
40 05 23 23-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee	264.50	108.85
		For Work In Restricted Working Space, Add	*72.57*	
40 05 23 23-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	304.50	124.14
		For Work In Restricted Working Space, Add	*82.76*	
40 05 23 23-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	318.70	133.24
		For Work In Restricted Working Space, Add	*88.83*	
40 05 23 23-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee	347.39	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	432.06	174.13
		For Work In Restricted Working Space, Add	*116.09*	
40 05 23 23-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee	533.82	218.23
		For Work In Restricted Working Space, Add	*145.49*	
40 05 23 23-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee	617.56	244.92
		For Work In Restricted Working Space, Add	*163.28*	
40 05 23 23-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee	968.51	326.55
		For Work In Restricted Working Space, Add	*217.71*	
40 05 23 23-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,663.32	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee	2,794.48	718.83
		For Work In Restricted Working Space, Add	*479.22*	
40 05 23 23-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee	3,437.27	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee	4,912.25	1,079.80
		For Work In Restricted Working Space, Add	*719.86*	
40 05 23 23-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee	6,085.48	1,317.24
		For Work In Restricted Working Space, Add	*878.15*	
40 05 23 23-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee	7,880.52	1,677.28
		For Work In Restricted Working Space, Add	*1,118.18*	
40 05 23 23-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee	10,239.89	2,206.95
		For Work In Restricted Working Space, Add	*1,471.30*	
40 05 23 23-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee	14,680.58	3,354.56
		For Work In Restricted Working Space, Add	*2,236.37*	

40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0834)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0907	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	191.73	65.93
		For Work In Restricted Working Space, Add	*43.96*	
40 05 23 23-0908	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	224.75	80.80
		For Work In Restricted Working Space, Add	*53.87*	
40 05 23 23-0909	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	294.59	90.79
		For Work In Restricted Working Space, Add	*60.52*	
40 05 23 23-0910	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	286.48	103.49
		For Work In Restricted Working Space, Add	*68.99*	
40 05 23 23-0911	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	294.18	111.20
		For Work In Restricted Working Space, Add	*74.14*	
40 05 23 23-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	402.80	121.19
		For Work In Restricted Working Space, Add	*80.80*	
40 05 23 23-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	403.46	145.26
		For Work In Restricted Working Space, Add	*96.85*	
40 05 23 23-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	538.79	181.57
		For Work In Restricted Working Space, Add	*121.04*	
40 05 23 23-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	751.18	207.46
		For Work In Restricted Working Space, Add	*138.31*	
40 05 23 23-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,263.96	299.52
		For Work In Restricted Working Space, Add	*199.67*	
40 05 23 23-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,652.57	399.36
		For Work In Restricted Working Space, Add	*266.24*	
40 05 23 23-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,502.02	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,981.18	719.66
		For Work In Restricted Working Space, Add	*479.78*	
40 05 23 23-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,933.87	877.85
		For Work In Restricted Working Space, Add	*585.23*	
40 05 23 23-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	6,374.96	1,118.19
		For Work In Restricted Working Space, Add	*745.46*	
40 05 23 23-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	9,095.08	1,471.29
		For Work In Restricted Working Space, Add	*980.87*	
40 05 23 23-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	14,243.53	2,234.39
		For Work In Restricted Working Space, Add	*1,489.59*	

40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0834)*

40 05 23 23-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	151.26	59.96
		For Work In Restricted Working Space, Add	*39.97*	
40 05 23 23-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	166.27	65.34
		For Work In Restricted Working Space, Add	*43.56*	
40 05 23 23-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	182.28	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	194.37	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	209.01	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	281.49	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	303.10	124.02
		For Work In Restricted Working Space, Add	*82.68*	
40 05 23 23-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	350.45	145.32
		For Work In Restricted Working Space, Add	*96.89*	
40 05 23 23-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	480.79	185.01
		For Work In Restricted Working Space, Add	*123.35*	
40 05 23 23-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	802.91	287.53
		For Work In Restricted Working Space, Add	*191.69*	
40 05 23 23-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,076.14	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,365.12	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,976.56	628.98
		For Work In Restricted Working Space, Add	*419.32*	
40 05 23 23-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,277.69	716.78
		For Work In Restricted Working Space, Add	*477.86*	
40 05 23 23-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,042.03	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	4,125.47	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	5,918.75	1,797.09
		For Work In Restricted Working Space, Add	*1,198.06*	
40 05 23 23-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	185.77	59.96
		For Work In Restricted Working Space, Add	*39.97*	
40 05 23 23-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	197.73	65.34
		For Work In Restricted Working Space, Add	*43.56*	
40 05 23 23-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	229.38	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	237.43	78.95
		For Work In Restricted Working Space, Add	*52.63*	
40 05 23 23-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	254.83	87.18
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	304.09	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	391.37	124.02
		For Work In Restricted Working Space, Add	*82.68*	
40 05 23 23-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	426.20	145.32
		For Work In Restricted Working Space, Add	*96.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	605.10	185.01
		For Work In Restricted Working Space, Add	*123.35*	
40 05 23 23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	895.93	287.53
		For Work In Restricted Working Space, Add	*191.69*	
40 05 23 23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,280.64	359.43
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,774.15	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,663.78	628.98
		For Work In Restricted Working Space, Add	*419.32*	
40 05 23 23-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,068.82	716.78
		For Work In Restricted Working Space, Add	*477.86*	
40 05 23 23-0956	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	4,123.51	898.54
		For Work In Restricted Working Space, Add	*599.03*	
40 05 23 23-0957	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	5,302.11	1,198.07
		For Work In Restricted Working Space, Add	*798.71*	
40 05 23 23-0958	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	7,948.76	1,797.09
		For Work In Restricted Working Space, Add	*1,198.06*	

40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0834)*

40 05 23 23-0960	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	83.05	31.05
		For Work In Restricted Working Space, Add	*20.70*	
40 05 23 23-0961	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	90.95	32.95
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-0962	EA	1", Type 316, Schedule 40 Stainless Steel Cap	100.65	36.21
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-0963	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	115.03	39.48
		For Work In Restricted Working Space, Add	*26.31*	
40 05 23 23-0964	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	113.67	43.59
		For Work In Restricted Working Space, Add	*29.06*	
40 05 23 23-0965	EA	2", Type 316, Schedule 40 Stainless Steel Cap	128.83	48.50
		For Work In Restricted Working Space, Add	*32.33*	
40 05 23 23-0966	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	161.25	62.07
		For Work In Restricted Working Space, Add	*41.38*	
40 05 23 23-0967	EA	3", Type 316, Schedule 40 Stainless Steel Cap	185.17	72.74
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-0968	EA	4", Type 316, Schedule 40 Stainless Steel Cap	227.39	87.07
		For Work In Restricted Working Space, Add	*58.05*	
40 05 23 23-0969	EA	6", Type 316, Schedule 40 Stainless Steel Cap	315.39	108.94
		For Work In Restricted Working Space, Add	*72.63*	
40 05 23 23-0970	EA	8", Type 316, Schedule 40 Stainless Steel Cap	533.29	179.71
		For Work In Restricted Working Space, Add	*119.81*	
40 05 23 23-0971	EA	10", Type 316, Schedule 40 Stainless Steel Cap	715.20	239.62
		For Work In Restricted Working Space, Add	*159.74*	
40 05 23 23-0972	EA	12", Type 316, Schedule 40 Stainless Steel Cap	1,066.55	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-0973	EA	14", Type 316, Schedule 40 Stainless Steel Cap	1,215.93	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-0974	EA	16", Type 316, Schedule 40 Stainless Steel Cap	1,366.50	478.31
		For Work In Restricted Working Space, Add	*318.88*	
40 05 23 23-0975	EA	18", Type 316, Schedule 40 Stainless Steel Cap	1,744.45	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-0976	EA	20", Type 316, Schedule 40 Stainless Steel Cap	2,397.19	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-0977	EA	24", Type 316, Schedule 40 Stainless Steel Cap	3,705.69	1,198.04
		For Work In Restricted Working Space, Add	*798.71*	

40 05 23 23-0978 Valves *(40 05 23 23-0231)*

40 05 23 23-0979 Gate Valves, Class 150 *(40 05 23 23-0978)*

40 05 23 23-0980	EA	1/2" Gate Valve, Stainless Steel, Flanged	710.73	62.28
		For Work In Restricted Working Space, Add	*23.36*	
		For Class 200, Deduct	*-169.29*	
		For Class 300, Add	*594.90*	
40 05 23 23-0981	EA	3/4" Gate Valve, Stainless Steel, Flanged	772.07	64.88
		For Work In Restricted Working Space, Add	*27.25*	
		For Class 200, Deduct	*-182.23*	
		For Class 300, Add	*640.36*	
40 05 23 23-0982	EA	1" Gate Valve, Stainless Steel, Flanged	951.28	97.32
		For Work In Restricted Working Space, Add	*36.73*	
		For Class 200, Deduct	*-221.72*	
		For Class 300, Add	*779.13*	
40 05 23 23-0983	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	1,199.73	113.54
		For Work In Restricted Working Space, Add	*42.32*	
		For Class 200, Deduct	*-283.20*	
		For Class 300, Add	*995.16*	
40 05 23 23-0984	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	1,352.23	142.93
		For Work In Restricted Working Space, Add	*53.60*	
		For Class 200, Deduct	*-313.93*	
		For Class 300, Add	*1,103.16*	
40 05 23 23-0985	EA	2" Gate Valve, Stainless Steel, Flanged	1,605.11	172.98
		For Work In Restricted Working Space, Add	*64.88*	
		For Class 200, Deduct	*-371.51*	
		For Class 300, Add	*1,305.50*	
40 05 23 23-0986	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	2,307.95	188.16
		For Work In Restricted Working Space, Add	*70.78*	
		For Class 300, Add	*1,947.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0987	EA	3" Gate Valve, Stainless Steel, Flanged	2,599.19	220.61
		For Work In Restricted Working Space, Add	*82.83*	
		For Class 300, Add	*2,183.71*	
40 05 23 23-0988	EA	4" Gate Valve, Stainless Steel, Flanged	3,435.25	369.83
		For Work In Restricted Working Space, Add	*139.04*	
		For Class 300, Add	*2,793.49*	
40 05 23 23-0989	EA	6" Gate Valve, Stainless Steel, Flanged	5,751.74	467.16
		For Work In Restricted Working Space, Add	*175.81*	
		For Class 300, Add	*4,855.76*	
40 05 23 23-0990	EA	8" Gate Valve, Stainless Steel, Flanged	12,562.67	596.92
		For Work In Restricted Working Space, Add	*222.45*	
		For Class 300, Add	*11,111.89*	
40 05 23 23-0991	EA	10" Gate Valve, Stainless Steel, Flanged	17,708.61	726.69
		For Work In Restricted Working Space, Add	*272.51*	
		For Class 300, Add	*15,792.24*	
40 05 23 23-0992	EA	12" Gate Valve, Stainless Steel, Flanged	26,668.98	882.40
		For Work In Restricted Working Space, Add	*330.31*	
		For Class 300, Add	*24,033.86*	

40 05 23 23-0993 Globe Valves, Class 150 *(40 05 23 23-0978)*

40 05 23 23-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged	971.88	62.28
		For Work In Restricted Working Space, Add	*23.36*	
		For Class 200, Deduct	*-239.15*	
		For Class 300, Add	*840.38*	
40 05 23 23-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged	1,075.55	64.88
		For Work In Restricted Working Space, Add	*27.25*	
		For Class 200, Deduct	*-263.41*	
		For Class 300, Add	*925.63*	
40 05 23 23-0996	EA	1" Globe Valve, Stainless Steel, Flanged	1,340.35	97.32
		For Work In Restricted Working Space, Add	*36.73*	
		For Class 200, Deduct	*-325.80*	
		For Class 300, Add	*1,144.85*	
40 05 23 23-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,992.60	142.93
		For Work In Restricted Working Space, Add	*53.60*	
		For Class 200, Deduct	*-485.23*	
		For Class 300, Add	*1,705.10*	
40 05 23 23-0998	EA	2" Globe Valve, Stainless Steel, Flanged	2,431.89	172.98
		For Work In Restricted Working Space, Add	*64.88*	
		For Class 200, Deduct	*-592.68*	
		For Class 300, Add	*2,082.67*	
40 05 23 23-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	4,900.38	188.16
		For Work In Restricted Working Space, Add	*70.78*	
		For Class 300, Add	*4,384.58*	
40 05 23 23-1000	EA	3" Globe Valve, Stainless Steel, Flanged	5,070.11	220.61
		For Work In Restricted Working Space, Add	*82.83*	
		For Class 300, Add	*4,506.38*	
40 05 23 23-1001	EA	4" Globe Valve, Stainless Steel, Flanged	6,034.86	369.83
		For Work In Restricted Working Space, Add	*139.04*	
		For Class 300, Add	*5,237.13*	
40 05 23 23-1002	EA	6" Globe Valve, Stainless Steel, Flanged	11,145.81	467.16
		For Work In Restricted Working Space, Add	*175.81*	
		For Class 300, Add	*9,926.18*	

40 05 23 23-1003 Check Valves, Class 150 *(40 05 23 23-0978)*

40 05 23 23-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged	2,208.52	188.16
		For Work In Restricted Working Space, Add	*70.78*	
		For Class 300, Add	*1,854.23*	
40 05 23 23-1005	EA	3" Check Valve, Stainless Steel, Flanged	2,310.19	220.61
		For Work In Restricted Working Space, Add	*82.83*	
		For Class 300, Add	*1,912.05*	
40 05 23 23-1006	EA	4" Check Valve, Stainless Steel, Flanged	3,629.11	369.83
		For Work In Restricted Working Space, Add	*139.04*	
		For Class 300, Add	*2,975.72*	
40 05 23 23-1007	EA	6" Check Valve, Stainless Steel, Flanged	6,243.82	467.16
		For Work In Restricted Working Space, Add	*175.81*	
		For Class 300, Add	*5,318.31*	
40 05 23 23-1008	EA	8" Check Valve, Stainless Steel, Flanged	10,979.38	596.92
		For Work In Restricted Working Space, Add	*222.45*	
		For Class 300, Add	*9,623.60*	

40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings *(40 05 23 23-0231)*

40 05 23 23-1010	EA	1/2", Stainless Steel Thread-o-let Fitting	99.25	37.67
		For Work In Restricted Working Space, Add	*25.12*	
40 05 23 23-1011	EA	3/4", Stainless Steel Thread-o-let Fitting	131.03	50.23
		For Work In Restricted Working Space, Add	*33.49*	
40 05 23 23-1012	EA	1", Stainless Steel Thread-o-let Fitting	161.53	62.28
		For Work In Restricted Working Space, Add	*41.53*	
40 05 23 23-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting	231.73	88.14
		For Work In Restricted Working Space, Add	*58.76*	
40 05 23 23-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting	256.74	99.40
		For Work In Restricted Working Space, Add	*66.26*	
40 05 23 23-1015	EA	2", Stainless Steel Thread-o-let Fitting	321.40	126.27
		For Work In Restricted Working Space, Add	*84.17*	
40 05 23 23-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting	569.52	194.65
		For Work In Restricted Working Space, Add	*129.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1017	EA	3", Stainless Steel Thread-o-let Fitting	760.99	248.49
		For Work In Restricted Working Space, Add	*165.66*	
40 05 23 23-1018	EA	4", Stainless Steel Thread-o-let Fitting	1,000.94	311.43
		For Work In Restricted Working Space, Add	*207.62*	

40 05 23 23-1019 Stainless Steel Flanges *(40 05 23 23-0231)*

40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1021	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	75.95	20.94
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-1022	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	93.69	27.91
		For Work In Restricted Working Space, Add	*16.74*	
40 05 23 23-1023	EA	1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	111.64	34.60
		For Work In Restricted Working Space, Add	*20.76*	
40 05 23 23-1024	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	151.73	48.98
		For Work In Restricted Working Space, Add	*29.38*	
40 05 23 23-1025	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	164.24	55.22
		For Work In Restricted Working Space, Add	*33.13*	
40 05 23 23-1026	EA	2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	210.77	70.13
		For Work In Restricted Working Space, Add	*42.09*	
40 05 23 23-1027	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	314.77	108.10
		For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-1028	EA	3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	379.13	220.61
		For Work In Restricted Working Space, Add	*82.83*	
40 05 23 23-1029	EA	4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	486.96	172.98
		For Work In Restricted Working Space, Add	*103.81*	

40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1031	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	95.66	20.94
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-1032	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	109.61	27.91
		For Work In Restricted Working Space, Add	*16.74*	
40 05 23 23-1033	EA	1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	123.01	34.60
		For Work In Restricted Working Space, Add	*20.76*	
40 05 23 23-1034	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	180.54	48.98
		For Work In Restricted Working Space, Add	*29.38*	
40 05 23 23-1035	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	193.05	55.22
		For Work In Restricted Working Space, Add	*33.13*	
40 05 23 23-1036	EA	2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	240.31	70.13
		For Work In Restricted Working Space, Add	*42.09*	
40 05 23 23-1037	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	380.70	108.10
		For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-1038	EA	3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	446.55	220.61
		For Work In Restricted Working Space, Add	*82.83*	
40 05 23 23-1039	EA	4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	590.77	172.98
		For Work In Restricted Working Space, Add	*103.81*	

40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1041	EA	1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	103.09	31.03
		For Work In Restricted Working Space, Add	*20.70*	
40 05 23 23-1042	EA	3/4", 150#, Type 304 Stainless Steel Weld Neck Flange	111.11	32.95
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-1043	EA	1", 150#, Type 304 Stainless Steel Weld Neck Flange	124.43	36.21
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-1044	EA	1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange	150.70	39.50
		For Work In Restricted Working Space, Add	*26.34*	
40 05 23 23-1045	EA	1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	159.68	43.54
		For Work In Restricted Working Space, Add	*29.03*	
40 05 23 23-1046	EA	2", 150#, Type 304 Stainless Steel Weld Neck Flange	177.51	48.51
		For Work In Restricted Working Space, Add	*32.34*	
40 05 23 23-1047	EA	2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	243.18	62.02
		For Work In Restricted Working Space, Add	*41.35*	
40 05 23 23-1048	EA	3", 150#, Type 304 Stainless Steel Weld Neck Flange	276.55	72.61
		For Work In Restricted Working Space, Add	*48.41*	
40 05 23 23-1049	EA	4", 150#, Type 304 Stainless Steel Weld Neck Flange	353.99	87.00
		For Work In Restricted Working Space, Add	*58.01*	
40 05 23 23-1050	EA	6", 150#, Type 304 Stainless Steel Weld Neck Flange	518.89	108.71
		For Work In Restricted Working Space, Add	*72.48*	
40 05 23 23-1051	EA	8", 150#, Type 304 Stainless Steel Weld Neck Flange	869.08	179.71
		For Work In Restricted Working Space, Add	*119.81*	
40 05 23 23-1052	EA	10", 150#, Type 304 Stainless Steel Weld Neck Flange	1,225.68	239.61
		For Work In Restricted Working Space, Add	*159.74*	
40 05 23 23-1053	EA	12", 150#, Type 304 Stainless Steel Weld Neck Flange	1,880.57	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-1054	EA	14", 150#, Type 304 Stainless Steel Weld Neck Flange	2,337.71	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-1055	EA	16", 150#, Type 304 Stainless Steel Weld Neck Flange	2,897.50	478.31
		For Work In Restricted Working Space, Add	*318.88*	
40 05 23 23-1056	EA	18", 150#, Type 304 Stainless Steel Weld Neck Flange	3,559.80	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-1057	EA	20", 150#, Type 304 Stainless Steel Weld Neck Flange	4,640.19	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-1058	EA	24", 150#, Type 304 Stainless Steel Weld Neck Flange	6,596.96	1,198.04
		For Work In Restricted Working Space, Add	*798.71*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 05 23 23-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1060	EA	1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	126.59	31.03
		For Work In Restricted Working Space, Add	*20.70*	
40 05 23 23-1061	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	130.82	32.95
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-1062	EA	1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	138.09	36.21
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-1063	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	177.17	39.50
		For Work In Restricted Working Space, Add	*26.34*	
40 05 23 23-1064	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	186.15	43.54
		For Work In Restricted Working Space, Add	*29.03*	
40 05 23 23-1065	EA	2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	200.23	48.51
		For Work In Restricted Working Space, Add	*32.34*	
40 05 23 23-1066	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	282.55	62.02
		For Work In Restricted Working Space, Add	*41.35*	
40 05 23 23-1067	EA	3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	320.48	72.61
		For Work In Restricted Working Space, Add	*48.41*	
40 05 23 23-1068	EA	4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	457.00	87.00
		For Work In Restricted Working Space, Add	*58.01*	
40 05 23 23-1069	EA	6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	635.55	108.71
		For Work In Restricted Working Space, Add	*72.48*	
40 05 23 23-1070	EA	8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,160.00	179.71
		For Work In Restricted Working Space, Add	*119.81*	
40 05 23 23-1071	EA	10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,609.81	239.61
		For Work In Restricted Working Space, Add	*159.74*	
40 05 23 23-1072	EA	12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	2,368.51	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-1073	EA	14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	3,109.03	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-1074	EA	16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	3,819.92	478.31
		For Work In Restricted Working Space, Add	*318.88*	
40 05 23 23-1075	EA	18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	4,873.29	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-1076	EA	20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	6,320.74	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-1077	EA	24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	9,192.48	1,198.04
		For Work In Restricted Working Space, Add	*798.71*	

40 05 23 23-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1079	EA	1/2", 150#, Type 304 Stainless Steel Slip-On Flange	168.28	62.08
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-1080	EA	3/4", 150#, Type 304 Stainless Steel Slip-On Flange	177.54	65.90
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-1081	EA	1", 150#, Type 304 Stainless Steel Slip-On Flange	195.07	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-1082	EA	1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange	221.80	79.01
		For Work In Restricted Working Space, Add	*52.67*	
40 05 23 23-1083	EA	1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	239.74	87.08
		For Work In Restricted Working Space, Add	*58.06*	
40 05 23 23-1084	EA	2", 150#, Type 304 Stainless Steel Slip-On Flange	275.46	97.00
		For Work In Restricted Working Space, Add	*64.67*	
40 05 23 23-1085	EA	2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	359.78	124.04
		For Work In Restricted Working Space, Add	*82.70*	
40 05 23 23-1086	EA	3", 150#, Type 304 Stainless Steel Slip-On Flange	412.95	145.23
		For Work In Restricted Working Space, Add	*96.83*	
40 05 23 23-1087	EA	4", 150#, Type 304 Stainless Steel Slip-On Flange	509.48	174.03
		For Work In Restricted Working Space, Add	*116.02*	
40 05 23 23-1088	EA	6", 150#, Type 304 Stainless Steel Slip-On Flange	670.33	217.42
		For Work In Restricted Working Space, Add	*144.95*	
40 05 23 23-1089	EA	8", 150#, Type 304 Stainless Steel Slip-On Flange	1,152.53	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-1090	EA	10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,614.21	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-1091	EA	12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,408.82	718.82
		For Work In Restricted Working Space, Add	*479.22*	

40 05 23 23-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1093	EA	1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange	183.44	62.08
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-1094	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	191.93	65.90
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-1095	EA	1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	206.44	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-1096	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	245.30	79.01
		For Work In Restricted Working Space, Add	*52.67*	
40 05 23 23-1097	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	263.24	87.08
		For Work In Restricted Working Space, Add	*58.06*	
40 05 23 23-1098	EA	2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	291.34	97.00
		For Work In Restricted Working Space, Add	*64.67*	
40 05 23 23-1099	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	418.90	124.04
		For Work In Restricted Working Space, Add	*82.70*	
40 05 23 23-1100	EA	3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	472.03	145.23
		For Work In Restricted Working Space, Add	*96.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1101	EA	4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	591.29	174.03
		For Work In Restricted Working Space, Add	*116.02*	
40 05 23 23-1102	EA	6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	901.40	217.42
		For Work In Restricted Working Space, Add	*144.95*	
40 05 23 23-1103	EA	8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,385.86	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-1104	EA	10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,990.00	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-1105	EA	12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,892.20	718.82
		For Work In Restricted Working Space, Add	*479.22*	

40 05 23 23-1106 150#, Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1107	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	59.92	12.40
		For Work In Restricted Working Space, Add	*8.28*	
40 05 23 23-1108	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	62.63	13.17
		For Work In Restricted Working Space, Add	*8.79*	
40 05 23 23-1109	EA	1", 150#, Type 304 Stainless Steel Raised Face Blind Flange	67.81	14.48
		For Work In Restricted Working Space, Add	*9.66*	
40 05 23 23-1110	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	86.61	16.13
		For Work In Restricted Working Space, Add	*10.75*	
40 05 23 23-1111	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	99.19	21.79
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-1112	EA	2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	116.66	24.19
		For Work In Restricted Working Space, Add	*16.13*	
40 05 23 23-1113	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	158.50	31.09
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-1114	EA	3", 150#, Type 304 Stainless Steel Raised Face Blind Flange	195.33	43.58
		For Work In Restricted Working Space, Add	*29.05*	
40 05 23 23-1115	EA	4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	299.25	72.60
		For Work In Restricted Working Space, Add	*48.41*	
40 05 23 23-1116	EA	6", 150#, Type 304 Stainless Steel Raised Face Blind Flange	409.00	93.36
		For Work In Restricted Working Space, Add	*62.24*	
40 05 23 23-1117	EA	8", 150#, Type 304 Stainless Steel Raised Face Blind Flange	617.46	111.81
		For Work In Restricted Working Space, Add	*74.55*	
40 05 23 23-1118	EA	10", 150#, Type 304 Stainless Steel Raised Face Blind Flange	939.13	134.18
		For Work In Restricted Working Space, Add	*89.45*	
40 05 23 23-1119	EA	12", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,240.20	167.73
		For Work In Restricted Working Space, Add	*111.82*	
40 05 23 23-1120	EA	14", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,575.61	209.66
		For Work In Restricted Working Space, Add	*139.77*	
40 05 23 23-1121	EA	16", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,024.37	239.15
		For Work In Restricted Working Space, Add	*159.44*	
40 05 23 23-1122	EA	18", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,398.00	299.52
		For Work In Restricted Working Space, Add	*199.68*	
40 05 23 23-1123	EA	20", 150#, Type 304 Stainless Steel Raised Face Blind Flange	3,191.14	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-1124	EA	24", 150#, Type 304 Stainless Steel Raised Face Blind Flange	4,644.30	599.02
		For Work In Restricted Working Space, Add	*399.35*	

40 05 23 23-1125 300#, Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1126	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	75.34	12.40
		For Work In Restricted Working Space, Add	*8.28*	
40 05 23 23-1127	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	77.05	13.17
		For Work In Restricted Working Space, Add	*8.79*	
40 05 23 23-1128	EA	1", 300#, Type 304 Stainless Steel Raised Face Blind Flange	79.94	14.48
		For Work In Restricted Working Space, Add	*9.66*	
40 05 23 23-1129	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	100.99	16.13
		For Work In Restricted Working Space, Add	*10.75*	
40 05 23 23-1130	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	113.57	21.79
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-1131	EA	2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	124.23	24.19
		For Work In Restricted Working Space, Add	*16.13*	
40 05 23 23-1132	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	211.54	31.09
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-1133	EA	3", 300#, Type 304 Stainless Steel Raised Face Blind Flange	244.96	43.58
		For Work In Restricted Working Space, Add	*29.05*	
40 05 23 23-1134	EA	4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	361.35	72.60
		For Work In Restricted Working Space, Add	*48.41*	
40 05 23 23-1135	EA	6", 300#, Type 304 Stainless Steel Raised Face Blind Flange	665.06	93.36
		For Work In Restricted Working Space, Add	*62.24*	
40 05 23 23-1136	EA	8", 300#, Type 304 Stainless Steel Raised Face Blind Flange	923.53	111.81
		For Work In Restricted Working Space, Add	*74.55*	
40 05 23 23-1137	EA	10", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,311.86	134.18
		For Work In Restricted Working Space, Add	*89.45*	
40 05 23 23-1138	EA	12", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,812.20	167.73
		For Work In Restricted Working Space, Add	*111.82*	
40 05 23 23-1139	EA	14", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,529.64	209.66
		For Work In Restricted Working Space, Add	*139.77*	
40 05 23 23-1140	EA	16", 300#, Type 304 Stainless Steel Raised Face Blind Flange	3,228.87	239.15
		For Work In Restricted Working Space, Add	*159.44*	
40 05 23 23-1141	EA	18", 300#, Type 304 Stainless Steel Raised Face Blind Flange	4,210.76	299.52
		For Work In Restricted Working Space, Add	*199.68*	
40 05 23 23-1142	EA	20", 300#, Type 304 Stainless Steel Raised Face Blind Flange	5,341.88	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-1143	EA	24", 300#, Type 304 Stainless Steel Raised Face Blind Flange	8,181.74	599.02
		For Work In Restricted Working Space, Add	*399.35*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 05 23 23-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1145	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	89.61	20.94
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-1146	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	111.14	27.91
		For Work In Restricted Working Space, Add	*16.74*	
40 05 23 23-1147	EA	1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	128.29	34.60
		For Work In Restricted Working Space, Add	*20.76*	
40 05 23 23-1148	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	176.71	48.98
		For Work In Restricted Working Space, Add	*29.38*	
40 05 23 23-1149	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	189.22	55.22
		For Work In Restricted Working Space, Add	*33.13*	
40 05 23 23-1150	EA	2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	238.05	70.13
		For Work In Restricted Working Space, Add	*42.09*	
40 05 23 23-1151	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	354.18	108.10
		For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-1152	EA	3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	429.91	220.61
		For Work In Restricted Working Space, Add	*82.83*	
40 05 23 23-1153	EA	4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	558.17	172.98
		For Work In Restricted Working Space, Add	*103.81*	

40 05 23 23-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1155	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	115.36	20.94
		For Work In Restricted Working Space, Add	*12.56*	
40 05 23 23-1156	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	129.31	27.91
		For Work In Restricted Working Space, Add	*16.74*	
40 05 23 23-1157	EA	1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	142.71	34.60
		For Work In Restricted Working Space, Add	*20.76*	
40 05 23 23-1158	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	218.42	48.98
		For Work In Restricted Working Space, Add	*29.38*	
40 05 23 23-1159	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	230.93	55.22
		For Work In Restricted Working Space, Add	*33.13*	
40 05 23 23-1160	EA	2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	273.64	70.13
		For Work In Restricted Working Space, Add	*42.09*	
40 05 23 23-1161	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	455.69	108.10
		For Work In Restricted Working Space, Add	*64.88*	
40 05 23 23-1162	EA	3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	523.08	220.61
		For Work In Restricted Working Space, Add	*82.83*	
40 05 23 23-1163	EA	4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	712.72	172.98
		For Work In Restricted Working Space, Add	*103.81*	

40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1165	EA	1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	120.50	31.03
		For Work In Restricted Working Space, Add	*20.70*	
40 05 23 23-1166	EA	3/4", 150#, Type 316 Stainless Steel Weld Neck Flange	128.56	32.95
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-1167	EA	1", 150#, Type 316 Stainless Steel Weld Neck Flange	144.13	36.21
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-1168	EA	1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange	176.45	39.50
		For Work In Restricted Working Space, Add	*26.34*	
40 05 23 23-1169	EA	1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	185.43	43.54
		For Work In Restricted Working Space, Add	*29.03*	
40 05 23 23-1170	EA	2", 150#, Type 316 Stainless Steel Weld Neck Flange	204.02	48.51
		For Work In Restricted Working Space, Add	*32.34*	
40 05 23 23-1171	EA	2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	287.83	62.02
		For Work In Restricted Working Space, Add	*41.35*	
40 05 23 23-1172	EA	3", 150#, Type 316 Stainless Steel Weld Neck Flange	316.69	72.61
		For Work In Restricted Working Space, Add	*48.41*	
40 05 23 23-1173	EA	4", 150#, Type 316 Stainless Steel Weld Neck Flange	422.18	87.00
		For Work In Restricted Working Space, Add	*58.01*	
40 05 23 23-1174	EA	6", 150#, Type 316 Stainless Steel Weld Neck Flange	637.08	108.71
		For Work In Restricted Working Space, Add	*72.48*	
40 05 23 23-1175	EA	8", 150#, Type 316 Stainless Steel Weld Neck Flange	1,051.68	179.71
		For Work In Restricted Working Space, Add	*119.81*	
40 05 23 23-1176	EA	10", 150#, Type 316 Stainless Steel Weld Neck Flange	1,530.26	239.61
		For Work In Restricted Working Space, Add	*159.74*	
40 05 23 23-1177	EA	12", 150#, Type 316 Stainless Steel Weld Neck Flange	2,282.91	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-1178	EA	14", 150#, Type 316 Stainless Steel Weld Neck Flange	2,670.93	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-1179	EA	16", 150#, Type 316 Stainless Steel Weld Neck Flange	3,332.33	478.31
		For Work In Restricted Working Space, Add	*318.88*	
40 05 23 23-1180	EA	18", 150#, Type 316 Stainless Steel Weld Neck Flange	4,088.02	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-1181	EA	20", 150#, Type 316 Stainless Steel Weld Neck Flange	5,298.28	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-1182	EA	24", 150#, Type 316 Stainless Steel Weld Neck Flange	7,529.52	1,198.04
		For Work In Restricted Working Space, Add	*798.71*	

40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1184	EA	1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	149.32	31.03
		For Work In Restricted Working Space, Add	*20.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1185	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	153.55	32.95
		For Work In Restricted Working Space, Add	*21.97*	
40 05 23 23-1186	EA	1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	160.82	36.21
		For Work In Restricted Working Space, Add	*24.15*	
40 05 23 23-1187	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	208.28	39.50
		For Work In Restricted Working Space, Add	*26.34*	
40 05 23 23-1188	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	217.26	43.54
		For Work In Restricted Working Space, Add	*29.03*	
40 05 23 23-1189	EA	2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	238.12	48.51
		For Work In Restricted Working Space, Add	*32.34*	
40 05 23 23-1190	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	347.72	62.02
		For Work In Restricted Working Space, Add	*41.35*	
40 05 23 23-1191	EA	3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	381.85	72.61
		For Work In Restricted Working Space, Add	*48.41*	
40 05 23 23-1192	EA	4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	570.64	87.00
		For Work In Restricted Working Space, Add	*58.01*	
40 05 23 23-1193	EA	6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	916.63	108.71
		For Work In Restricted Working Space, Add	*72.48*	
40 05 23 23-1194	EA	8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,447.17	179.71
		For Work In Restricted Working Space, Add	*119.81*	
40 05 23 23-1195	EA	10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,074.98	239.61
		For Work In Restricted Working Space, Add	*159.74*	
40 05 23 23-1196	EA	12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	3,051.86	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-1197	EA	14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	4,102.94	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-1198	EA	16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	5,078.50	478.31
		For Work In Restricted Working Space, Add	*318.88*	
40 05 23 23-1199	EA	18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	6,490.29	599.02
		For Work In Restricted Working Space, Add	*399.35*	
40 05 23 23-1200	EA	20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	8,355.43	838.64
		For Work In Restricted Working Space, Add	*559.10*	
40 05 23 23-1201	EA	24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	12,173.51	1,198.04
		For Work In Restricted Working Space, Add	*798.71*	

40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1203	EA	1/2", 150#, Type 316 Stainless Steel Slip-On Flange	177.39	62.08
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-1204	EA	3/4", 150#, Type 316 Stainless Steel Slip-On Flange	191.20	65.90
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-1205	EA	1", 150#, Type 316 Stainless Steel Slip-On Flange	210.72	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-1206	EA	1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange	278.89	79.01
		For Work In Restricted Working Space, Add	*52.67*	
40 05 23 23-1207	EA	1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	257.92	87.08
		For Work In Restricted Working Space, Add	*58.06*	
40 05 23 23-1208	EA	2", 150#, Type 316 Stainless Steel Slip-On Flange	279.98	97.00
		For Work In Restricted Working Space, Add	*64.67*	
40 05 23 23-1209	EA	2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	356.76	124.04
		For Work In Restricted Working Space, Add	*82.70*	
40 05 23 23-1210	EA	3", 150#, Type 316 Stainless Steel Slip-On Flange	438.70	145.23
		For Work In Restricted Working Space, Add	*96.83*	
40 05 23 23-1211	EA	4", 150#, Type 316 Stainless Steel Slip-On Flange	564.00	174.03
		For Work In Restricted Working Space, Add	*116.02*	
40 05 23 23-1212	EA	6", 150#, Type 316 Stainless Steel Slip-On Flange	751.37	217.42
		For Work In Restricted Working Space, Add	*144.95*	
40 05 23 23-1213	EA	8", 150#, Type 316 Stainless Steel Slip-On Flange	1,319.94	359.41
		For Work In Restricted Working Space, Add	*239.61*	
40 05 23 23-1214	EA	10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,843.03	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-1215	EA	12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,714.89	718.82
		For Work In Restricted Working Space, Add	*479.22*	

40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1217	EA	1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange	198.59	62.08
		For Work In Restricted Working Space, Add	*41.39*	
40 05 23 23-1218	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	207.08	65.90
		For Work In Restricted Working Space, Add	*43.94*	
40 05 23 23-1219	EA	1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	221.59	72.44
		For Work In Restricted Working Space, Add	*48.29*	
40 05 23 23-1220	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	274.84	79.01
		For Work In Restricted Working Space, Add	*52.67*	
40 05 23 23-1221	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	292.78	87.08
		For Work In Restricted Working Space, Add	*58.06*	
40 05 23 23-1222	EA	2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	319.27	97.00
		For Work In Restricted Working Space, Add	*64.67*	
40 05 23 23-1223	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	484.79	124.04
		For Work In Restricted Working Space, Add	*82.70*	
40 05 23 23-1224	EA	3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	539.45	145.23
		For Work In Restricted Working Space, Add	*96.83*	
40 05 23 23-1225	EA	4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	695.82	174.03
		For Work In Restricted Working Space, Add	*116.02*	
40 05 23 23-1226	EA	6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,053.69	217.42
		For Work In Restricted Working Space, Add	*144.95*	
40 05 23 23-1227	EA	8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,542.71	359.41
		For Work In Restricted Working Space, Add	*239.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,500.62	479.21
		For Work In Restricted Working Space, Add	*319.48*	
40 05 23 23-1229	EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	3,342.22	718.82
		For Work In Restricted Working Space, Add	*479.22*	

40 05 23 23-1230 150#, Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1231	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	67.00	12.40
		For Work In Restricted Working Space, Add	*8.28*	
40 05 23 23-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	75.52	13.17
		For Work In Restricted Working Space, Add	*8.79*	
40 05 23 23-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	85.22	14.48
		For Work In Restricted Working Space, Add	*9.66*	
40 05 23 23-1234	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	100.23	16.13
		For Work In Restricted Working Space, Add	*10.75*	
40 05 23 23-1235	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	112.81	21.79
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-1236	EA	2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	139.38	24.19
		For Work In Restricted Working Space, Add	*16.13*	
40 05 23 23-1237	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	194.13	31.09
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-1238	EA	3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	234.74	43.58
		For Work In Restricted Working Space, Add	*29.05*	
40 05 23 23-1239	EA	4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	365.91	72.60
		For Work In Restricted Working Space, Add	*48.41*	
40 05 23 23-1240	EA	6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	515.84	93.36
		For Work In Restricted Working Space, Add	*62.24*	
40 05 23 23-1241	EA	8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	872.76	111.81
		For Work In Restricted Working Space, Add	*74.55*	
40 05 23 23-1242	EA	10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,140.67	134.18
		For Work In Restricted Working Space, Add	*89.45*	
40 05 23 23-1243	EA	12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,821.31	167.73
		For Work In Restricted Working Space, Add	*111.82*	
40 05 23 23-1244	EA	14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,170.56	209.66
		For Work In Restricted Working Space, Add	*139.77*	
40 05 23 23-1245	EA	16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,824.77	239.15
		For Work In Restricted Working Space, Add	*159.44*	
40 05 23 23-1246	EA	18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,326.81	299.52
		For Work In Restricted Working Space, Add	*199.68*	
40 05 23 23-1247	EA	20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	4,402.44	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-1248	EA	24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	6,420.60	599.02
		For Work In Restricted Working Space, Add	*399.35*	

40 05 23 23-1249 300#, Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1250	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	101.09	12.40
		For Work In Restricted Working Space, Add	*8.28*	
40 05 23 23-1251	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	102.80	13.17
		For Work In Restricted Working Space, Add	*8.79*	
40 05 23 23-1252	EA	1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	105.69	14.48
		For Work In Restricted Working Space, Add	*9.66*	
40 05 23 23-1253	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	156.32	16.13
		For Work In Restricted Working Space, Add	*10.75*	
40 05 23 23-1254	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	168.90	21.79
		For Work In Restricted Working Space, Add	*14.52*	
40 05 23 23-1255	EA	2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	187.10	24.19
		For Work In Restricted Working Space, Add	*16.13*	
40 05 23 23-1256	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	308.53	31.09
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-1257	EA	3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	343.83	43.58
		For Work In Restricted Working Space, Add	*29.05*	
40 05 23 23-1258	EA	4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	528.03	72.60
		For Work In Restricted Working Space, Add	*48.41*	
40 05 23 23-1259	EA	6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	949.21	93.36
		For Work In Restricted Working Space, Add	*62.24*	
40 05 23 23-1260	EA	8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,217.51	111.81
		For Work In Restricted Working Space, Add	*74.55*	
40 05 23 23-1261	EA	10", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,166.47	134.18
		For Work In Restricted Working Space, Add	*89.45*	
40 05 23 23-1262	EA	12", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,643.32	167.73
		For Work In Restricted Working Space, Add	*111.82*	
40 05 23 23-1263	EA	14", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,806.20	209.66
		For Work In Restricted Working Space, Add	*139.77*	
40 05 23 23-1264	EA	16", 300#, Type 316 Stainless Steel Raised Face Blind Flange	4,897.40	239.15
		For Work In Restricted Working Space, Add	*159.44*	
40 05 23 23-1265	EA	18", 300#, Type 316 Stainless Steel Raised Face Blind Flange	6,403.68	299.52
		For Work In Restricted Working Space, Add	*199.68*	
40 05 23 23-1266	EA	20", 300#, Type 316 Stainless Steel Raised Face Blind Flange	8,069.78	419.31
		For Work In Restricted Working Space, Add	*279.55*	
40 05 23 23-1267	EA	24", 300#, Type 316 Stainless Steel Raised Face Blind Flange	12,419.27	599.02
		For Work In Restricted Working Space, Add	*399.35*	

40 05 23 23-1268 Type 316 Seamless Annealed Tubing *(40 05 23 23)*

Note: For high-pressure air (8000 PSIG working pressure).

40 05 23 23-1269 Type 316 Seamless Annealed Tubing *(40 05 23 23-1268)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1270	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	20.47	
40 05 23 23-1271	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	24.85	
40 05 23 23-1272	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	29.91	
40 05 23 23-1273		Type 316 Seamless Annealed Tubing Fittings *(40 05 23 23-1268)*		
		Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1274	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	70.83	
40 05 23 23-1275	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	71.71	
40 05 23 23-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	109.70	
40 05 23 23-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	70.10	
40 05 23 23-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	115.73	
40 05 23 23-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	87.33	
40 05 23 23-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	108.50	
40 05 23 23-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	167.06	
40 05 23 23-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	106.29	
40 05 23 23-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	164.07	
40 05 23 23-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	104.12	
40 05 23 23-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	134.67	
40 05 23 23-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	223.03	
40 05 23 23-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	184.18	
40 05 23 23-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	226.83	
40 05 23 23-1289		Valves For High Pressure Air (5,000 PSIG) *(40 05 23 23-1268)*		
40 05 23 23-1290		Needle Valves *(40 05 23 23-1289)*		
40 05 23 23-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	421.20	
40 05 23 23-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	669.77	
40 05 23 23-1293		Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 23-1289)*		
40 05 23 23-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	403.90	
40 05 23 23-1295		Other Valves Working Pressure 6,000 PSI *(40 05 23 23-1289)*		
40 05 23 23-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,681.20	
40 05 23 23-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	420.21	
40 05 23 23-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	80.38	

40 05 31 Thermoplastic Process Pipe *(40 05)*

40 05 31 43 Polypropylene Process Pipe *(40 05 31)*

40 05 31 43-0001		Polypropylene (PP) Lined Steel Piping System *(40 05 31 43)*		
40 05 31 43-0002		Polypropylene (PP) Lined Pipe And Fittings *(40 05 31 43-0001)*		
40 05 31 43-0003		Pipe *(40 05 31 43-0002)*		
40 05 31 43-0004	LF	3/4" Polypropylene (PP) Lined Pipe	95.78	2.51
40 05 31 43-0005	LF	1" Polypropylene (PP) Lined Pipe	96.20	2.75
40 05 31 43-0006	LF	1-1/4" Polypropylene (PP) Lined Pipe	130.12	2.99
40 05 31 43-0007	LF	1-1/2" Polypropylene (PP) Lined Pipe	130.24	2.99
40 05 31 43-0008	LF	2" Polypropylene (PP) Lined Pipe	125.17	3.58
40 05 31 43-0009	LF	2-1/2" Polypropylene (PP) Lined Pipe	183.48	4.30
40 05 31 43-0010	LF	3" Polypropylene (PP) Lined Pipe	219.09	5.13
40 05 31 43-0011	LF	4" Polypropylene (PP) Lined Pipe	323.08	7.76
40 05 31 43-0012	LF	6" Polypropylene (PP) Lined Pipe	556.38	10.27
40 05 31 43-0013	LF	8" Polypropylene (PP) Lined Pipe	863.50	12.30
40 05 31 43-0014		90 Degree Elbows *(40 05 31 43-0002)*		
40 05 31 43-0015	EA	3/4" 90 Degree Elbow, Polypropylene (PP) Lined	733.79	10.27
40 05 31 43-0016	EA	1" 90 Degree Elbow, Polypropylene (PP) Lined	739.95	12.78
40 05 31 43-0017	EA	1-1/4" 90 Degree Elbow, Polypropylene (PP) Lined	776.23	18.04
40 05 31 43-0018	EA	1-1/2" 90 Degree Elbow, Polypropylene (PP) Lined	781.98	20.30
40 05 31 43-0019	EA	2" 90 Degree Elbow, Polypropylene (PP) Lined	901.11	25.80
40 05 31 43-0020	EA	2-1/2" 90 Degree Elbow, Polypropylene (PP) Lined	1,142.89	38.22
40 05 31 43-0021	EA	3" 90 Degree Elbow, Polypropylene (PP) Lined	1,383.85	50.29
40 05 31 43-0022	EA	4" 90 Degree Elbow, Polypropylene (PP) Lined	2,046.37	59.72
40 05 31 43-0023	EA	6" 90 Degree Elbow, Polypropylene (PP) Lined	3,180.90	68.21
40 05 31 43-0024	EA	8" 90 Degree Elbow, Polypropylene (PP) Lined	4,977.39	86.00
40 05 31 43-0025		45 Degree Elbows *(40 05 31 43-0002)*		
40 05 31 43-0026	EA	3/4" 45 Degree Elbow, Polypropylene (PP) Lined	648.38	10.27
40 05 31 43-0027	EA	1" 45 Degree Elbow, Polypropylene (PP) Lined	654.54	12.78
40 05 31 43-0028	EA	1-1/4" 45 Degree Elbow, Polypropylene (PP) Lined	743.45	18.04
40 05 31 43-0029	EA	1-1/2" 45 Degree Elbow, Polypropylene (PP) Lined	749.20	20.30
40 05 31 43-0030	EA	2" 45 Degree Elbow, Polypropylene (PP) Lined	862.71	25.80
40 05 31 43-0031	EA	2-1/2" 45 Degree Elbow, Polypropylene (PP) Lined	1,155.16	38.22
40 05 31 43-0032	EA	3" 45 Degree Elbow, Polypropylene (PP) Lined	1,443.36	50.29
40 05 31 43-0033	EA	4" 45 Degree Elbow, Polypropylene (PP) Lined	1,893.54	59.72
40 05 31 43-0034	EA	6" 45 Degree Elbow, Polypropylene (PP) Lined	3,290.97	68.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 43-0035	EA	8" 45 Degree Elbow, Polypropylene (PP) Lined	5,015.47	79.67
40 05 31 43-0036		**Tees** *(40 05 31 43-0002)*		
40 05 31 43-0037	EA	3/4" Tee, Polypropylene (PP) Lined	990.41	15.41
40 05 31 43-0038	EA	1" Tee, Polypropylene (PP) Lined	1,002.70	20.30
40 05 31 43-0039	EA	1-1/4" Tee, Polypropylene (PP) Lined	1,183.16	25.80
40 05 31 43-0040	EA	1-1/2" Tee, Polypropylene (PP) Lined	1,195.66	30.81
40 05 31 43-0041	EA	2" Tee, Polypropylene (PP) Lined	1,367.42	38.22
40 05 31 43-0042	EA	2-1/2" Tee, Polypropylene (PP) Lined	1,607.33	50.29
40 05 31 43-0043	EA	3" Tee, Polypropylene (PP) Lined	1,840.65	59.72
40 05 31 43-0044	EA	4" Tee, Polypropylene (PP) Lined	2,404.00	79.67
40 05 31 43-0045	EA	6" Tee, Polypropylene (PP) Lined	3,276.43	102.72
40 05 31 43-0046	EA	8" Tee, Polypropylene (PP) Lined	6,212.49	127.32
40 05 31 43-0047		**Crosses** *(40 05 31 43-0002)*		
40 05 31 43-0048	EA	3/4" Cross, Polypropylene (PP) Lined	1,414.62	20.54
40 05 31 43-0049	EA	1" Cross, Polypropylene (PP) Lined	1,427.73	25.80
40 05 31 43-0050	EA	1-1/4" Cross, Polypropylene (PP) Lined	1,743.99	36.31
40 05 31 43-0051	EA	1-1/2" Cross, Polypropylene (PP) Lined	1,754.88	40.61
40 05 31 43-0052	EA	2" Cross, Polypropylene (PP) Lined	1,985.62	51.60
40 05 31 43-0053	EA	2-1/2" Cross, Polypropylene (PP) Lined	2,307.79	76.44
40 05 31 43-0054	EA	3" Cross, Polypropylene (PP) Lined	3,058.62	100.33
40 05 31 43-0055	EA	4" Cross, Polypropylene (PP) Lined	3,434.32	119.44
40 05 31 43-0056	EA	6" Cross, Polypropylene (PP) Lined	5,989.70	136.64
40 05 31 43-0057	EA	8" Cross, Polypropylene (PP) Lined	7,578.03	159.45
40 05 31 43-0058		**Reducers** *(40 05 31 43-0002)*		
40 05 31 43-0059	EA	1" Reducer, Polypropylene (PP) Lined	1,304.86	12.78
40 05 31 43-0060	EA	1-1/4" Reducer, Polypropylene (PP) Lined	1,318.08	18.04
40 05 31 43-0061	EA	1-1/2" Reducer, Polypropylene (PP) Lined	1,323.83	20.30
40 05 31 43-0062	EA	2" Reducer, Polypropylene (PP) Lined	1,559.71	25.80
40 05 31 43-0063	EA	2-1/2" Reducer, Polypropylene (PP) Lined	1,804.29	38.22
40 05 31 43-0064	EA	3" Reducer, Polypropylene (PP) Lined	2,013.89	50.29
40 05 31 43-0065	EA	4" Reducer, Polypropylene (PP) Lined	2,626.98	59.72
40 05 31 43-0066	EA	6" Reducer, Polypropylene (PP) Lined	3,626.56	68.21
40 05 31 43-0067	EA	8" Reducer, Polypropylene (PP) Lined	5,863.54	79.67
40 05 31 43-0068		**Unions** *(40 05 31 43-0002)*		
40 05 31 43-0069	EA	3/4" Union, Polypropylene (PP) Lined	1,077.75	15.41
40 05 31 43-0070	EA	1" Union, Polypropylene (PP) Lined	1,238.49	20.30
40 05 31 43-0071	EA	1-1/4" Union, Polypropylene (PP) Lined	2,418.68	25.80
40 05 31 43-0072	EA	1-1/2" Union, Polypropylene (PP) Lined	2,740.84	30.81
40 05 31 43-0073	EA	2" Union, Polypropylene (PP) Lined	3,705.23	38.22
40 05 31 43-0074	EA	2-1/2" Union, Polypropylene (PP) Lined	5,385.41	50.29
40 05 31 43-0075	EA	3" Union, Polypropylene (PP) Lined	6,872.38	59.72
40 05 31 43-0076	EA	4" Union, Polypropylene (PP) Lined	10,663.28	79.67
40 05 31 43-0077	EA	6" Union, Polypropylene (PP) Lined	14,284.08	102.72
40 05 31 43-0078	EA	8" Union, Polypropylene (PP) Lined	23,460.97	127.32
40 05 31 43-0079		**Blind Flanges** *(40 05 31 43-0002)*		
40 05 31 43-0080	EA	3/4" Blind Flanges, Polypropylene (PP) Lined	213.14	15.41
40 05 31 43-0081	EA	1" Blind Flange, Polypropylene (PP) Lined	225.43	20.30
40 05 31 43-0082	EA	1-1/4" Blind Flange, Polypropylene (PP) Lined	255.54	25.80
40 05 31 43-0083	EA	1-1/2" Blind Flange, Polypropylene (PP) Lined	268.04	30.81
40 05 31 43-0084	EA	2" Blind Flange, Polypropylene (PP) Lined	308.35	38.22
40 05 31 43-0085	EA	2-1/2" Blind Flange, Polypropylene (PP) Lined	387.64	50.29
40 05 31 43-0086	EA	3" Blind Flange, Polypropylene (PP) Lined	460.33	59.72
40 05 31 43-0087	EA	4" Blind Flange, Polypropylene (PP) Lined	581.02	79.67
40 05 31 43-0088	EA	6" Blind Flange, Polypropylene (PP) Lined	867.87	102.72
40 05 31 43-0089	EA	8" Blind Flange, Polypropylene (PP) Lined	1,284.13	127.32
40 05 31 43-0090		**Filler Flanges** *(40 05 31 43-0002)*		
40 05 31 43-0091	EA	1" Filler Flange, Polypropylene (PP) Lined	787.44	20.30
40 05 31 43-0092	EA	1-1/4" Filler Flange, Polypropylene (PP) Lined	986.70	25.80
40 05 31 43-0093	EA	1-1/2" Filler Flange, Polypropylene (PP) Lined	1,102.87	30.81
40 05 31 43-0094	EA	2" Filler Flange, Polypropylene (PP) Lined	1,263.23	38.22
40 05 31 43-0095	EA	2-1/2" Filler Flange, Polypropylene (PP) Lined	1,462.56	50.29
40 05 31 43-0096	EA	3" Filler Flange, Polypropylene (PP) Lined	1,655.29	59.72
40 05 31 43-0097	EA	4" Filler Flange, Polypropylene (PP) Lined	2,059.72	79.67
40 05 31 43-0098	EA	6" Filler Flange, Polypropylene (PP) Lined	2,815.82	102.72
40 05 31 43-0099	EA	8" Filler Flange, Polypropylene (PP) Lined	3,946.88	127.32
40 05 31 43-0100		**Polypropylene (PP) Lined Gate Valves** *(40 05 31 43-0001)*		
40 05 31 43-0101	EA	1" Flanged Gate Valve, Polypropylene (PP) Lined	1,999.89	100.58
40 05 31 43-0102	EA	1-1/4" Flanged Gate Valve, Polypropylene (PP) Lined	2,256.90	113.16
40 05 31 43-0103	EA	1-1/2" Flanged Gate Valve, Polypropylene (PP) Lined	2,546.97	125.41
40 05 31 43-0104	EA	2" Flanged Gate Valve, Polypropylene (PP) Lined	3,021.88	159.21

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 43-0105	EA	2-1/2" Flanged Gate Valve, Polypropylene (PP) Lined	3,981.54	181.27
40 05 31 43-0106	EA	3" Flanged Gate Valve, Polypropylene (PP) Lined	4,941.19	203.30
40 05 31 43-0107	EA	4" Flanged Gate Valve, Polypropylene (PP) Lined	6,270.54	341.25
40 05 31 43-0108	EA	6" Flanged Gate Valve, Polypropylene (PP) Lined	10,118.47	431.53
40 05 31 43-0109	EA	8" Flanged Gate Valve, Polypropylene (PP) Lined	21,209.08	546.01
40 05 31 43-0110		Polypropylene (PP) Lined Check Valves *(40 05 31 43-0001)*		
40 05 31 43-0111	EA	1" Flanged Check Valve, Polypropylene (PP) Lined	2,262.75	100.58
40 05 31 43-0112	EA	1-1/4" Flanged Check Valve, Polypropylene (PP) Lined	2,553.59	113.16
40 05 31 43-0113	EA	1-1/2" Flanged Check Valve, Polypropylene (PP) Lined	2,882.14	125.41
40 05 31 43-0114	EA	2" Flanged Check Valve, Polypropylene (PP) Lined	3,417.79	159.21
40 05 31 43-0115	EA	2-1/2" Flanged Check Valve, Polypropylene (PP) Lined	4,508.17	181.27
40 05 31 43-0116	EA	3" Flanged Check Valve, Polypropylene (PP) Lined	5,598.56	203.30
40 05 31 43-0117	EA	4" Flanged Check Valve, Polypropylene (PP) Lined	7,090.15	341.25
40 05 31 43-0118	EA	6" Flanged Check Valve, Polypropylene (PP) Lined	11,461.94	431.53
40 05 31 43-0119	EA	8" Flanged Check Valve, Polypropylene (PP) Lined	24,087.95	546.01
40 05 31 43-0120		Polypropylene (PP) Lined Plug Valves *(40 05 31 43-0001)*		
40 05 31 43-0121	EA	1" Flanged Plug Valve, Polypropylene (PP) Lined	1,985.25	100.58
40 05 31 43-0122	EA	1-1/4" Flanged Plug Valve, Polypropylene (PP) Lined	2,241.61	113.16
40 05 31 43-0123	EA	1-1/2" Flanged Plug Valve, Polypropylene (PP) Lined	2,527.14	125.41
40 05 31 43-0124	EA	2" Flanged Plug Valve, Polypropylene (PP) Lined	2,999.29	159.21
40 05 31 43-0125	EA	2-1/2" Flanged Plug Valve, Polypropylene (PP) Lined	3,952.94	181.27
40 05 31 43-0126	EA	3" Flanged Plug Valve, Polypropylene (PP) Lined	4,906.58	203.30
40 05 31 43-0127	EA	4" Flanged Plug Valve, Polypropylene (PP) Lined	6,227.56	341.25
40 05 31 43-0128	EA	6" Flanged Plug Valve, Polypropylene (PP) Lined	10,048.49	431.53
40 05 31 43-0129	EA	8" Flanged Plug Valve, Polypropylene (PP) Lined	19,926.74	546.01
40 05 31 53		**PVDF Process Pipe** *(40 05 31)*		
40 05 31 53-0001		Polyvinylidene Fluoride (PVDF) Kynar Lined Steel Piping System *(40 05 31 53)*		
40 05 31 53-0002		Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe And Fittings *(40 05 31 53-0001)*		
40 05 31 53-0003		Pipe *(40 05 31 53-0002)*		
40 05 31 53-0004	LF	3/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	90.73	2.51
40 05 31 53-0005	LF	1" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	91.15	2.75
40 05 31 53-0006	LF	1-1/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	102.16	2.99
40 05 31 53-0007	LF	1-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	102.28	2.99
40 05 31 53-0008	LF	2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	112.67	3.58
40 05 31 53-0009	LF	2-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	144.72	4.30
40 05 31 53-0010	LF	3" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	175.75	5.13
40 05 31 53-0011	LF	4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	246.08	7.76
40 05 31 53-0012	LF	6" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	394.98	10.27
40 05 31 53-0013	LF	8" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	613.64	12.30
40 05 31 53-0014		90 Degree Elbows *(40 05 31 53-0002)*		
40 05 31 53-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	508.87	10.27
40 05 31 53-0016	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	515.03	12.78
40 05 31 53-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	636.94	18.04
40 05 31 53-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	642.69	20.30
40 05 31 53-0019	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	764.08	25.80
40 05 31 53-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	924.36	38.22
40 05 31 53-0021	EA	3" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,075.02	50.29
40 05 31 53-0022	EA	4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,671.09	59.72
40 05 31 53-0023	EA	6" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,684.13	68.21
40 05 31 53-0024	EA	8" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,429.22	86.00
40 05 31 53-0025		45 Degree Elbows *(40 05 31 53-0002)*		
40 05 31 53-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	610.01	10.27
40 05 31 53-0027	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	616.17	12.78
40 05 31 53-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	682.34	18.04
40 05 31 53-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	688.09	20.30
40 05 31 53-0030	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	831.13	25.80
40 05 31 53-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	960.72	38.22
40 05 31 53-0032	EA	3" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,216.80	50.29
40 05 31 53-0033	EA	4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,742.37	59.72
40 05 31 53-0034	EA	6" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,877.38	68.21
40 05 31 53-0035	EA	8" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,788.32	79.67
40 05 31 53-0036		Tees *(40 05 31 53-0002)*		
40 05 31 53-0037	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	818.15	15.41
40 05 31 53-0038	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	830.44	20.30
40 05 31 53-0039	EA	1-1/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	930.52	25.80
40 05 31 53-0040	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	943.02	30.81
40 05 31 53-0041	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,142.45	38.22
40 05 31 53-0042	EA	2-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,472.07	50.29
40 05 31 53-0043	EA	3" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,524.77	59.72
40 05 31 53-0044	EA	4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,301.94	79.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 53-0045	EA	6" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,520.23	102.72
40 05 31 53-0046	EA	8" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,294.62	127.32
40 05 31 53-0047		**Crosses** *(40 05 31 53-0002)*		
40 05 31 53-0048	EA	3/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,143.23	20.54
40 05 31 53-0049	EA	1" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,156.35	25.80
40 05 31 53-0050	EA	1-1/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,349.28	36.31
40 05 31 53-0051	EA	1-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,360.15	40.61
40 05 31 53-0052	EA	2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,682.52	51.60
40 05 31 53-0053	EA	2-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,940.52	76.44
40 05 31 53-0054	EA	3" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,329.44	100.33
40 05 31 53-0055	EA	4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,521.40	119.44
40 05 31 53-0056	EA	6" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,402.48	136.64
40 05 31 53-0057	EA	8" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,831.60	159.45
40 05 31 53-0058		**Reducers** *(40 05 31 53-0002)*		
40 05 31 53-0059	EA	1" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	787.37	12.78
40 05 31 53-0060	EA	1-1/4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	800.59	18.04
40 05 31 53-0061	EA	1-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	806.34	20.30
40 05 31 53-0062	EA	2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	839.16	25.80
40 05 31 53-0063	EA	2-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	919.04	38.22
40 05 31 53-0064	EA	3" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,103.61	50.29
40 05 31 53-0065	EA	4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,408.31	59.72
40 05 31 53-0066	EA	6" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,297.60	68.21
40 05 31 53-0067	EA	8" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,456.52	79.67
40 05 31 53-0068		**Unions** *(40 05 31 53-0002)*		
40 05 31 53-0069	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,136.30	15.41
40 05 31 53-0070	EA	1" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,305.40	20.30
40 05 31 53-0071	EA	1-1/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,551.31	25.80
40 05 31 53-0072	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,890.92	30.81
40 05 31 53-0073	EA	2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,908.59	38.22
40 05 31 53-0074	EA	2-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,681.73	50.29
40 05 31 53-0075	EA	3" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	7,251.15	59.72
40 05 31 53-0076	EA	4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	11,252.81	79.67
40 05 31 53-0077	EA	6" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	15,074.23	102.72
40 05 31 53-0078	EA	8" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	24,764.77	127.32
40 05 31 53-0079		**Blind Flanges** *(40 05 31 53-0002)*		
40 05 31 53-0080	EA	3/4" Blind Flanges, Polyvinylidene Fluoride (PVDF) Kynar Lined	169.48	15.41
40 05 31 53-0081	EA	1" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	181.77	20.30
40 05 31 53-0082	EA	1-1/4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	207.79	25.80
40 05 31 53-0083	EA	1-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	220.29	30.81
40 05 31 53-0084	EA	2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	255.15	38.22
40 05 31 53-0085	EA	2-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	322.16	50.29
40 05 31 53-0086	EA	3" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	382.57	59.72
40 05 31 53-0087	EA	4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	485.53	79.67
40 05 31 53-0088	EA	6" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	715.09	102.72
40 05 31 53-0089	EA	8" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,042.68	127.32
40 05 31 53-0090		**Filler Flanges** *(40 05 31 53-0002)*		
40 05 31 53-0091	EA	1" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	439.59	20.30
40 05 31 53-0092	EA	1-1/4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	498.35	25.80
40 05 31 53-0093	EA	1-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	559.96	30.81
40 05 31 53-0094	EA	2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	684.85	38.22
40 05 31 53-0095	EA	2-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	854.17	50.29
40 05 31 53-0096	EA	3" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,020.98	59.72
40 05 31 53-0097	EA	4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,299.91	79.67
40 05 31 53-0098	EA	6" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,635.87	102.72
40 05 31 53-0099	EA	8" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,503.65	127.32
40 05 31 53-0100		**Polyvinylidene Fluoride (PVDF) Kynar Lined Gate Valves** *(40 05 31 53-0001)*		
40 05 31 53-0101	EA	1" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,105.48	100.58
40 05 31 53-0102	EA	1-1/4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,376.08	113.16
40 05 31 53-0103	EA	1-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,681.60	125.41
40 05 31 53-0104	EA	2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,180.91	159.26
40 05 31 53-0105	EA	2-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,193.08	181.27
40 05 31 53-0106	EA	3" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,205.25	203.30
40 05 31 53-0107	EA	4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,599.77	341.25
40 05 31 53-0108	EA	6" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	10,658.14	431.53
40 05 31 53-0109	EA	8" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	22,365.51	546.01
40 05 31 53-0110		**Polyvinylidene Fluoride (PVDF) Kynar Lined Check Valves** *(40 05 31 53-0001)*		
40 05 31 53-0111	EA	1" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,383.14	100.58
40 05 31 53-0112	EA	1-1/4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,689.49	113.16
40 05 31 53-0113	EA	1-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,035.66	125.41
40 05 31 53-0114	EA	2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,599.12	159.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 53-0115	EA	2-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,749.39	181.27
40 05 31 53-0116	EA	3" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,899.65	203.30
40 05 31 53-0117	EA	4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	7,465.57	341.25
40 05 31 53-0118	EA	6" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	12,077.30	431.53
40 05 31 53-0119	EA	8" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	25,406.56	546.01
40 05 31 53-0120		Polyvinylidene Fluoride (PVDF) Kynar Lined Plug Valves *(40 05 31 53-0001)*		
40 05 31 53-0121	EA	1" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,090.02	100.58
40 05 31 53-0122	EA	1-1/4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,359.93	113.16
40 05 31 53-0123	EA	1-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,660.66	125.41
40 05 31 53-0124	EA	2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,157.05	159.26
40 05 31 53-0125	EA	2-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,162.87	181.27
40 05 31 53-0126	EA	3" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,168.69	203.30
40 05 31 53-0127	EA	4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,554.37	341.25
40 05 31 53-0128	EA	6" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	10,584.21	431.53
40 05 31 53-0129	EA	8" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	21,010.93	546.01
40 05 31 56		**Polyvinylidene Chloride (PVDC) Process Pipe** *(40 05 31)*		
40 05 31 56-0001		Polyvinylidene Chloride (PVDC) Saran Lined Steel Piping System *(40 05 31 56)*		
40 05 31 56-0002		Polyvinylidene Chloride (PVDC) Saran Lined Pipe And Fittings *(40 05 31 56-0001)*		
40 05 31 56-0003		Pipe *(40 05 31 56-0002)*		
40 05 31 56-0004	LF	3/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	62.62	2.51
40 05 31 56-0005	LF	1" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	63.04	2.75
40 05 31 56-0006	LF	1-1/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	70.56	2.99
40 05 31 56-0007	LF	1-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	70.68	2.99
40 05 31 56-0008	LF	2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	78.09	3.58
40 05 31 56-0009	LF	2-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	101.59	4.30
40 05 31 56-0010	LF	3" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	121.44	5.13
40 05 31 56-0011	LF	4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	170.48	7.76
40 05 31 56-0012	LF	6" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	271.89	10.27
40 05 31 56-0013	LF	8" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	419.30	12.30
40 05 31 56-0014		90 Degree Elbows *(40 05 31 56-0002)*		
40 05 31 56-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	445.84	10.27
40 05 31 56-0016	EA	1" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	452.00	12.78
40 05 31 56-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	559.72	18.04
40 05 31 56-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	565.47	20.30
40 05 31 56-0019	EA	2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	672.84	25.80
40 05 31 56-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	816.24	38.22
40 05 31 56-0021	EA	3" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	951.18	50.29
40 05 31 56-0022	EA	4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,472.61	59.72
40 05 31 56-0023	EA	6" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	2,356.26	68.21
40 05 31 56-0024	EA	8" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	3,879.52	86.00
40 05 31 56-0025		45 Degree Elbows *(40 05 31 56-0002)*		
40 05 31 56-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	533.79	10.27
40 05 31 56-0027	EA	1" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	539.95	12.78
40 05 31 56-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	599.23	18.04
40 05 31 56-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	604.98	20.30
40 05 31 56-0030	EA	2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	731.12	25.80
40 05 31 56-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	847.88	38.22
40 05 31 56-0032	EA	3" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,074.45	50.29
40 05 31 56-0033	EA	4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,534.59	59.72
40 05 31 56-0034	EA	6" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	2,524.32	68.21
40 05 31 56-0035	EA	8" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	3,320.16	79.67
40 05 31 56-0036		Tees *(40 05 31 56-0002)*		
40 05 31 56-0037	EA	3/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	717.44	15.41
40 05 31 56-0038	EA	1" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	728.73	20.30
40 05 31 56-0039	EA	1-1/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	817.55	25.80
40 05 31 56-0040	EA	1-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	830.05	30.81
40 05 31 56-0041	EA	2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,005.90	38.22
40 05 31 56-0042	EA	2-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,296.47	50.29
40 05 31 56-0043	EA	3" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,345.36	59.72
40 05 31 56-0044	EA	4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	2,027.63	79.67
40 05 31 56-0045	EA	6" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	3,094.54	102.72
40 05 31 56-0046	EA	8" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	4,645.52	127.32
40 05 31 56-0047		Crosses *(40 05 31 56-0002)*		
40 05 31 56-0048	EA	3/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,000.79	20.54
40 05 31 56-0049	EA	1" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,013.91	25.80
40 05 31 56-0050	EA	1-1/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,185.10	36.31
40 05 31 56-0051	EA	1-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,195.97	40.61
40 05 31 56-0052	EA	2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,479.89	51.60
40 05 31 56-0053	EA	2-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,712.31	76.44
40 05 31 56-0054	EA	3" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	2,058.32	100.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 56-0055	EA	4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	3,101.03	119.44
40 05 31 56-0056	EA	6" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	4,742.38	136.64
40 05 31 56-0057	EA	8" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	9,828.81	159.45
40 05 31 56-0058		**Reducers** *(40 05 31 56-0002)*		
40 05 31 56-0059	EA	1" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	655.98	12.78
40 05 31 56-0060	EA	1-1/4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	702.03	18.04
40 05 31 56-0061	EA	1-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	707.78	20.30
40 05 31 56-0062	EA	2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	738.10	25.80
40 05 31 56-0063	EA	2-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	919.04	38.22
40 05 31 56-0064	EA	3" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	976.06	50.29
40 05 31 56-0065	EA	4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	1,244.09	59.72
40 05 31 56-0066	EA	6" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	2,020.15	68.21
40 05 31 56-0067	EA	8" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	3,031.62	79.67
40 05 31 56-0068		**Unions** *(40 05 31 56-0002)*		
40 05 31 56-0069	EA	3/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	989.93	15.41
40 05 31 56-0070	EA	1" Union, Polyvinylidene Chloride (PVDC) Saran Lined	1,138.12	20.30
40 05 31 56-0071	EA	1-1/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	2,219.74	25.80
40 05 31 56-0072	EA	1-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	2,515.74	30.81
40 05 31 56-0073	EA	2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	3,400.18	38.22
40 05 31 56-0074	EA	2-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	4,940.93	50.29
40 05 31 56-0075	EA	3" Union, Polyvinylidene Chloride (PVDC) Saran Lined	6,304.24	59.72
40 05 31 56-0076	EA	4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	9,778.98	79.67
40 05 31 56-0077	EA	6" Union, Polyvinylidene Chloride (PVDC) Saran Lined	13,098.57	102.72
40 05 31 56-0078	EA	8" Union, Polyvinylidene Chloride (PVDC) Saran Lined	21,505.25	127.32
40 05 31 56-0079		**Blind Flanges** *(40 05 31 56-0002)*		
40 05 31 56-0080	EA	3/4" Blind Flanges, Polyvinylidene Chloride (PVDC) Saran Lined	152.02	15.41
40 05 31 56-0081	EA	1" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	164.31	20.30
40 05 31 56-0082	EA	1-1/4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	188.69	25.80
40 05 31 56-0083	EA	1-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	201.19	30.81
40 05 31 56-0084	EA	2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	233.87	38.22
40 05 31 56-0085	EA	2-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	295.97	50.29
40 05 31 56-0086	EA	3" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	351.47	59.72
40 05 31 56-0087	EA	4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	447.34	79.67
40 05 31 56-0088	EA	6" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	653.98	102.72
40 05 31 56-0089	EA	8" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	946.10	127.32
40 05 31 56-0090		**Filler Flanges** *(40 05 31 56-0002)*		
40 05 31 56-0091	EA	1" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	387.76	20.30
40 05 31 56-0092	EA	1-1/4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	440.51	25.80
40 05 31 56-0093	EA	1-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	495.57	30.81
40 05 31 56-0094	EA	2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	606.27	38.22
40 05 31 56-0095	EA	2-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	757.04	50.29
40 05 31 56-0096	EA	3" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	904.76	59.72
40 05 31 56-0097	EA	4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,153.13	79.67
40 05 31 56-0098	EA	6" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,451.98	102.72
40 05 31 56-0099	EA	8" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	2,212.27	127.32
40 05 31 56-0100		**Polyvinylidene Chloride (PVDC) Saran Lined Gate Valves** *(40 05 31 56-0001)*		
40 05 31 56-0101	EA	1" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	1,841.51	100.58
40 05 31 56-0102	EA	1-1/4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,078.13	113.16
40 05 31 56-0103	EA	1-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,345.01	125.41
40 05 31 56-0104	EA	2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,783.34	159.26
40 05 31 56-0105	EA	2-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,664.22	181.27
40 05 31 56-0106	EA	3" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,545.10	203.30
40 05 31 56-0107	EA	4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,776.68	341.25
40 05 31 56-0108	EA	6" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	9,308.97	431.53
40 05 31 56-0109	EA	8" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	19,474.44	546.01
40 05 31 56-0110		**Polyvinylidene Chloride (PVDC) Saran Lined Check Valves** *(40 05 31 56-0001)*		
40 05 31 56-0111	EA	1" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,082.15	100.58
40 05 31 56-0112	EA	1-1/4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,349.75	113.16
40 05 31 56-0113	EA	1-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,651.86	125.41
40 05 31 56-0114	EA	2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,145.78	159.26
40 05 31 56-0115	EA	2-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,146.35	181.27
40 05 31 56-0116	EA	3" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,146.92	203.30
40 05 31 56-0117	EA	4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	6,527.03	341.25
40 05 31 56-0118	EA	6" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	10,538.91	431.53
40 05 31 56-0119	EA	8" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	22,110.02	546.01
40 05 31 56-0120		**Polyvinylidene Chloride (PVDC) Saran Lined Plug Valves** *(40 05 31 56-0001)*		
40 05 31 56-0121	EA	1" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	1,828.11	100.58
40 05 31 56-0122	EA	1-1/4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,064.13	113.16
40 05 31 56-0123	EA	1-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,326.86	125.41
40 05 31 56-0124	EA	2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,762.65	159.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 56-0125	EA	2-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,638.03	181.27
40 05 31 56-0126	EA	3" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,513.42	203.30
40 05 31 56-0127	EA	4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,737.34	341.25
40 05 31 56-0128	EA	6" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	9,244.91	431.53
40 05 31 56-0129	EA	8" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	18,300.47	546.01

40 05 38 PTFE Process Pipe *(40 05)*

40 05 38 00-0001 Polytetrafluoroethylene (PTFE) Lined Steel Piping System *(40 05 38)*

40 05 38 00-0002 Polytetrafluoroethylene (PTFE) Lined Pipe And Fittings *(40 05 38 00-0001)*

40 05 38 00-0003 Polytetrafluoroethylene (PTFE) Lined Pipe *(40 05 38 00-0002)*

40 05 38 00-0004	LF	3/4" Polytetrafluoroethylene (PTFE) Lined Pipe	177.41	2.51
40 05 38 00-0005	LF	1" Polytetrafluoroethylene (PTFE) Lined Pipe	265.13	2.75
40 05 38 00-0006	LF	1-1/4" Polytetrafluoroethylene (PTFE) Lined Pipe	296.10	2.99
40 05 38 00-0007	LF	1-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe	326.67	2.99
40 05 38 00-0008	LF	2" Polytetrafluoroethylene (PTFE) Lined Pipe	357.64	3.58
40 05 38 00-0009	LF	2-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe	471.91	4.30
40 05 38 00-0010	LF	3" Polytetrafluoroethylene (PTFE) Lined Pipe	567.11	5.13
40 05 38 00-0011	LF	4" Polytetrafluoroethylene (PTFE) Lined Pipe	817.44	7.76
40 05 38 00-0012	LF	6" Polytetrafluoroethylene (PTFE) Lined Pipe	1,531.67	10.27
40 05 38 00-0013	LF	8" Polytetrafluoroethylene (PTFE) Lined Pipe	2,737.03	12.30

40 05 38 00-0014 90 Degree Elbows *(40 05 38 00-0002)*

40 05 38 00-0015	EA	3/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,198.83	10.27
40 05 38 00-0016	EA	1" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,204.99	12.78
40 05 38 00-0017	EA	1-1/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,256.40	18.04
40 05 38 00-0018	EA	1-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,262.15	20.30
40 05 38 00-0019	EA	2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,450.50	25.80
40 05 38 00-0020	EA	2-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,830.70	38.22
40 05 38 00-0021	EA	3" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,210.09	50.29
40 05 38 00-0022	EA	4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	3,292.22	59.72
40 05 38 00-0023	EA	6" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	5,157.82	68.21
40 05 38 00-0024	EA	8" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	8,104.99	86.00

40 05 38 00-0025 45 Degree Elbows *(40 05 38 00-0002)*

40 05 38 00-0026	EA	3/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,013.31	10.27
40 05 38 00-0027	EA	1" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,019.47	12.78
40 05 38 00-0028	EA	1-1/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,152.73	18.04
40 05 38 00-0029	EA	1-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,158.48	20.30
40 05 38 00-0030	EA	2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,330.46	25.80
40 05 38 00-0031	EA	2-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,776.14	38.22
40 05 38 00-0032	EA	3" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,215.55	50.29
40 05 38 00-0033	EA	4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,915.73	59.72
40 05 38 00-0034	EA	6" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	5,119.63	68.21
40 05 38 00-0035	EA	8" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	7,838.09	79.67

40 05 38 00-0036 Tees *(40 05 38 00-0002)*

40 05 38 00-0037	EA	3/4" Tee, Polytetrafluoroethylene (PTFE) Lined	1,970.11	15.41
40 05 38 00-0038	EA	1" Tee, Polytetrafluoroethylene (PTFE) Lined	1,982.40	20.30
40 05 38 00-0039	EA	1-1/4" Tee, Polytetrafluoroethylene (PTFE) Lined	2,334.44	25.80
40 05 38 00-0040	EA	1-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined	2,346.94	30.81
40 05 38 00-0041	EA	2" Tee, Polytetrafluoroethylene (PTFE) Lined	2,676.45	38.22
40 05 38 00-0042	EA	2-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined	3,132.23	50.29
40 05 38 00-0043	EA	3" Tee, Polytetrafluoroethylene (PTFE) Lined	3,581.41	59.72
40 05 38 00-0044	EA	4" Tee, Polytetrafluoroethylene (PTFE) Lined	4,673.36	79.67
40 05 38 00-0045	EA	6" Tee, Polytetrafluoroethylene (PTFE) Lined	6,384.34	102.72
40 05 38 00-0046	EA	8" Tee, Polytetrafluoroethylene (PTFE) Lined	12,278.87	127.32

40 05 38 00-0047 Crosses *(40 05 38 00-0002)*

40 05 38 00-0048	EA	3/4" Cross, Polytetrafluoroethylene (PTFE) Lined	2,795.97	20.54
40 05 38 00-0049	EA	1" Cross, Polytetrafluoroethylene (PTFE) Lined	2,809.08	25.80
40 05 38 00-0050	EA	1-1/4" Cross, Polytetrafluoroethylene (PTFE) Lined	3,419.19	36.31
40 05 38 00-0051	EA	1-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined	3,430.08	40.61
40 05 38 00-0052	EA	2" Cross, Polytetrafluoroethylene (PTFE) Lined	3,866.79	51.60
40 05 38 00-0053	EA	2-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined	4,452.60	76.44
40 05 38 00-0054	EA	3" Cross, Polytetrafluoroethylene (PTFE) Lined	5,903.72	100.33
40 05 38 00-0055	EA	4" Cross, Polytetrafluoroethylene (PTFE) Lined	6,611.71	119.44
40 05 38 00-0056	EA	6" Cross, Polytetrafluoroethylene (PTFE) Lined	11,712.84	136.64
40 05 38 00-0057	EA	8" Cross, Polytetrafluoroethylene (PTFE) Lined	14,852.80	159.45

40 05 38 00-0058 Reducers *(40 05 38 00-0002)*

40 05 38 00-0059	EA	1" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,657.87	12.78
40 05 38 00-0060	EA	1-1/4" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,671.09	18.04
40 05 38 00-0061	EA	1-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,676.84	20.30
40 05 38 00-0062	EA	2" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,974.32	25.80
40 05 38 00-0063	EA	2-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,278.13	38.22
40 05 38 00-0064	EA	3" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,537.48	50.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 38 00-0065	EA	4" Reducer, Polytetrafluoroethylene (PTFE) Lined	3,314.05	59.72
40 05 38 00-0066	EA	6" Reducer, Polytetrafluoroethylene (PTFE) Lined	4,584.89	68.21
40 05 38 00-0067	EA	8" Reducer, Polytetrafluoroethylene (PTFE) Lined	7,434.32	79.67
40 05 38 00-0068		**Unions** *(40 05 38 00-0002)*		
40 05 38 00-0069	EA	3/4" Union, Polytetrafluoroethylene (PTFE) Lined	1,502.22	15.41
40 05 38 00-0070	EA	1" Union, Polytetrafluoroethylene (PTFE) Lined	1,723.60	20.30
40 05 38 00-0071	EA	1-1/4" Union, Polytetrafluoroethylene (PTFE) Lined	3,380.22	25.80
40 05 38 00-0072	EA	1-1/2" Union, Polytetrafluoroethylene (PTFE) Lined	3,828.87	30.81
40 05 38 00-0073	EA	2" Union, Polytetrafluoroethylene (PTFE) Lined	5,179.60	38.22
40 05 38 00-0074	EA	2-1/2" Union, Polytetrafluoroethylene (PTFE) Lined	7,533.74	50.29
40 05 38 00-0075	EA	3" Union, Polytetrafluoroethylene (PTFE) Lined	9,618.43	59.72
40 05 38 00-0076	EA	4" Union, Polytetrafluoroethylene (PTFE) Lined	14,937.39	79.67
40 05 38 00-0077	EA	6" Union, Polytetrafluoroethylene (PTFE) Lined	20,013.50	102.72
40 05 38 00-0078	EA	8" Union, Polytetrafluoroethylene (PTFE) Lined	32,913.59	127.32
40 05 38 00-0079		**Blind Flanges** *(40 05 38 00-0002)*		
40 05 38 00-0080	EA	3/4" Blind Flanges, Polytetrafluoroethylene (PTFE) Lined	213.14	15.41
40 05 38 00-0081	EA	1" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	225.43	20.30
40 05 38 00-0082	EA	1-1/4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	255.54	25.80
40 05 38 00-0083	EA	1-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	268.04	30.81
40 05 38 00-0084	EA	2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	308.35	38.22
40 05 38 00-0085	EA	2-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	387.64	50.29
40 05 38 00-0086	EA	3" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	460.33	59.72
40 05 38 00-0087	EA	4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	581.02	79.67
40 05 38 00-0088	EA	6" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	867.87	102.72
40 05 38 00-0089	EA	8" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	1,284.13	127.32
40 05 38 00-0090		**Filler Flanges** *(40 05 38 00-0002)*		
40 05 38 00-0091	EA	1" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	569.18	20.30
40 05 38 00-0092	EA	1-1/4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	642.94	25.80
40 05 38 00-0093	EA	1-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	720.92	30.81
40 05 38 00-0094	EA	2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	881.28	38.22
40 05 38 00-0095	EA	2-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,096.98	50.29
40 05 38 00-0096	EA	3" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,311.53	59.72
40 05 38 00-0097	EA	4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,666.85	79.67
40 05 38 00-0098	EA	6" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	2,095.57	102.72
40 05 38 00-0099	EA	8" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	3,232.08	127.32
40 05 38 00-0100		**Polytetrafluoroethylene (PTFE) Lined Gate Valves** *(40 05 38 00-0001)*		
40 05 38 00-0101	EA	1" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	2,765.40	100.58
40 05 38 00-0102	EA	1-1/4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	3,120.96	113.16
40 05 38 00-0103	EA	1-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	3,523.09	125.41
40 05 38 00-0104	EA	2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	4,174.87	159.26
40 05 38 00-0105	EA	2-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	5,515.25	181.27
40 05 38 00-0106	EA	3" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	6,855.63	203.30
40 05 38 00-0107	EA	4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	8,657.50	341.25
40 05 38 00-0108	EA	6" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	14,031.04	431.53
40 05 38 00-0109	EA	8" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	29,593.16	546.01
40 05 38 00-0110		**Polytetrafluoroethylene (PTFE) Lined Check Valves** *(40 05 38 00-0001)*		
40 05 38 00-0111	EA	1" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,135.61	100.58
40 05 38 00-0112	EA	1-1/4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,538.84	113.16
40 05 38 00-0113	EA	1-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,995.16	125.41
40 05 38 00-0114	EA	2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	4,732.47	159.26
40 05 38 00-0115	EA	2-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	6,256.98	181.27
40 05 38 00-0116	EA	3" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	7,781.49	203.30
40 05 38 00-0117	EA	4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	9,811.90	341.25
40 05 38 00-0118	EA	6" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	15,923.26	431.53
40 05 38 00-0119	EA	8" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	33,647.91	546.01
40 05 38 00-0120		**Polytetrafluoroethylene (PTFE) Lined Plug Valves** *(40 05 38 00-0001)*		
40 05 38 00-0121	EA	1" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	2,744.76	100.58
40 05 38 00-0122	EA	1-1/4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	3,099.42	113.16
40 05 38 00-0123	EA	1-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	3,495.16	125.41
40 05 38 00-0124	EA	2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	4,143.04	159.26
40 05 38 00-0125	EA	2-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	5,474.96	181.27
40 05 38 00-0126	EA	3" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	6,806.87	203.30
40 05 38 00-0127	EA	4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	8,596.97	341.25
40 05 38 00-0128	EA	6" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	13,932.48	431.53
40 05 38 00-0129	EA	8" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	27,787.06	546.01

40 05 41 Glass Process Pipe *(40 05)*

40 05 41 00-0001 Glass Pressure Pipe *(40 05 41)*

40 05 41 00-0002 Glass Pipe, Beaded Joints *(40 05 41 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0003	LF	1/2" Glass Pipe, Pressure	49.44	17.92
		For Work In Restricted Working Space, Add	*10.75*	
40 05 41 00-0004	LF	3/4" Glass Pipe, Pressure	59.33	21.50
		For Work In Restricted Working Space, Add	*12.90*	
40 05 41 00-0005	LF	1" Glass Pipe, Pressure	69.00	23.89
		For Work In Restricted Working Space, Add	*14.33*	
40 05 41 00-0006	LF	1-1/2" Glass Pipe, Pressure	91.10	32.25
		For Work In Restricted Working Space, Add	*19.35*	
40 05 41 00-0007	LF	2" Glass Pipe, Pressure	111.64	38.22
		For Work In Restricted Working Space, Add	*22.93*	
40 05 41 00-0008	LF	3" Glass Pipe, Pressure	138.66	44.19
		For Work In Restricted Working Space, Add	*26.52*	
40 05 41 00-0009	LF	4" Glass Pipe, Pressure	189.85	59.72
		For Work In Restricted Working Space, Add	*35.83*	
40 05 41 00-0010	LF	6" Glass Pipe, Pressure	269.63	71.67
		For Work In Restricted Working Space, Add	*43.00*	

40 05 41 00-0011 Glass 90 Degree Elbows *(40 05 41 00-0001)*

40 05 41 00-0012	EA	1/2" 90 Degree Elbow, Glass, Pressure	222.90	95.55
		For Work In Restricted Working Space, Add	*57.33*	
40 05 41 00-0013	EA	3/4" 90 Degree Elbow, Glass, Pressure	240.50	101.52
		For Work In Restricted Working Space, Add	*60.92*	
40 05 41 00-0014	EA	1" 90 Degree Elbow, Glass, Pressure	264.00	107.49
		For Work In Restricted Working Space, Add	*64.50*	
40 05 41 00-0015	EA	1-1/2" 90 Degree Elbow, Glass, Pressure	291.14	119.44
		For Work In Restricted Working Space, Add	*71.66*	
40 05 41 00-0016	EA	2" 90 Degree Elbow, Glass, Pressure	332.47	131.39
		For Work In Restricted Working Space, Add	*78.84*	
40 05 41 00-0017	EA	3" 90 Degree Elbow, Glass, Pressure	421.59	155.27
		For Work In Restricted Working Space, Add	*93.16*	
40 05 41 00-0018	EA	4" 90 Degree Elbow, Glass, Pressure	488.99	167.21
		For Work In Restricted Working Space, Add	*100.31*	
40 05 41 00-0019	EA	6" 90 Degree Elbow, Glass, Pressure	785.09	191.11
		For Work In Restricted Working Space, Add	*114.67*	

40 05 41 00-0020 Glass 45 Degree Elbows *(40 05 41 00-0001)*

40 05 41 00-0021	EA	1/2" 45 Degree Elbow, Glass, Pressure	221.63	95.55
		For Work In Restricted Working Space, Add	*57.33*	
40 05 41 00-0022	EA	3/4" 45 Degree Elbow, Glass, Pressure	239.02	101.52
		For Work In Restricted Working Space, Add	*60.92*	
40 05 41 00-0023	EA	1" 45 Degree Elbow, Glass, Pressure	262.02	107.49
		For Work In Restricted Working Space, Add	*64.49*	
40 05 41 00-0024	EA	1-1/2" 45 Degree Elbow, Glass, Pressure	289.05	119.44
		For Work In Restricted Working Space, Add	*71.66*	
40 05 41 00-0025	EA	2" 45 Degree Elbow, Glass, Pressure	329.64	131.39
		For Work In Restricted Working Space, Add	*78.82*	
40 05 41 00-0026	EA	3" 45 Degree Elbow, Glass, Pressure	417.17	155.27
		For Work In Restricted Working Space, Add	*93.17*	
40 05 41 00-0027	EA	4" 45 Degree Elbow, Glass, Pressure	482.80	167.21
		For Work In Restricted Working Space, Add	*100.31*	
40 05 41 00-0028	EA	6" 45 Degree Elbow, Glass, Pressure	768.83	191.11
		For Work In Restricted Working Space, Add	*114.63*	

40 05 41 00-0029 Glass Tees *(40 05 41 00-0001)*

40 05 41 00-0030	EA	1/2" Tee, Glass, Pressure	341.14	143.33
		For Work In Restricted Working Space, Add	*86.01*	
40 05 41 00-0031	EA	3/4" Tee, Glass, Pressure	365.73	155.27
		For Work In Restricted Working Space, Add	*93.17*	
40 05 41 00-0032	EA	1" Tee, Glass, Pressure	395.35	167.21
		For Work In Restricted Working Space, Add	*100.31*	
40 05 41 00-0033	EA	1-1/2" Tee, Glass, Pressure	447.53	179.16
		For Work In Restricted Working Space, Add	*107.48*	
40 05 41 00-0034	EA	2" Tee, Glass, Pressure	498.72	197.08
		For Work In Restricted Working Space, Add	*118.26*	
40 05 41 00-0035	EA	3" Tee, Glass, Pressure	606.24	238.88
		For Work In Restricted Working Space, Add	*143.33*	
40 05 41 00-0036	EA	4" Tee, Glass, Pressure	717.01	250.71
		For Work In Restricted Working Space, Add	*150.43*	
40 05 41 00-0037	EA	6" Tee, Glass, Pressure	949.86	286.54
		For Work In Restricted Working Space, Add	*171.94*	

40 05 41 00-0038 Glass Couplings, Vitron Liner *(40 05 41 00-0001)*

40 05 41 00-0039	EA	1/2" Coupling, Vitron Liner, Glass	45.73
40 05 41 00-0040	EA	3/4" Coupling, Vitron Liner, Glass	52.26
40 05 41 00-0041	EA	1" Coupling, Vitron Liner, Glass	60.97
40 05 41 00-0042	EA	1-1/2" Coupling, Vitron Liner, Glass	69.68
40 05 41 00-0043	EA	2" Coupling, Vitron Liner, Glass	83.84
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass	153.52
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass	185.10
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass	370.19

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